

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061620\
 Data File : VN061831.D
 Acq On : 16 Jun 2020 17:02
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Jun 17 00:52:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 00:50:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	164181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	291213	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	261414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	106645	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	2292	1.16	ug/l	0.00
Spiked Amount			Recovery	=	2.32%	
35) Dibromofluoromethane	7.54	113	1747	1.14	ug/l	0.00
Spiked Amount			Recovery	=	2.28%	
50) Toluene-d8	10.06	98	7181	1.05	ug/l	0.00
Spiked Amount			Recovery	=	2.10%	
62) 4-Bromofluorobenzene	12.38	95	2415	0.97	ug/l	0.00
Spiked Amount			Recovery	=	1.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	1291	0.729	ug/l	93
3) Chloromethane	2.03	50	2296	1.114	ug/l	98
4) Vinyl Chloride	2.16	62	2223	0.805	ug/l	100
5) Bromomethane	2.54	94	2681	1.617	ug/l	91
6) Chloroethane	2.67	64	1723	0.960	ug/l	92
7) Trichlorofluoromethane	2.99	101	3150	0.896	ug/l	98
8) Diethyl Ether	3.36	74	402	0.365	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	3.71	101	695	0.435	ug/l #	49
10) Methyl Iodide	3.91	142	1155	0.541	ug/l #	42
11) Tert butyl alcohol	4.73	59	353	1.314	ug/l #	74
12) 1,1-Dichloroethene	3.70	96	1502	0.884	ug/l	92
13) Acrolein	3.58	56	862	7.226	ug/l #	54
14) Allyl chloride	4.27	41	1944	0.875	ug/l	94
15) Acrylonitrile	4.94	53	3065	4.168	ug/l #	86
16) Acetone	3.78	43	3824	5.451	ug/l	99
17) Carbon Disulfide	4.01	76	4848	1.229	ug/l	96
18) Methyl Acetate	4.29	43	1880	1.048	ug/l #	64
19) Methyl tert-butyl Ether	4.98	73	4930	0.857	ug/l	100
20) Methylene Chloride	4.49	84	1167	0.480	ug/l	90
21) trans-1,2-Dichloroethene	4.98	96	1175	0.611	ug/l #	58
22) Diisopropyl ether	5.90	45	4447	0.911	ug/l #	77
23) Vinyl Acetate	5.85	43	16265	4.187	ug/l	97
24) 1,1-Dichloroethane	5.80	63	2018	0.648	ug/l #	82
25) 2-Butanone	6.78	43	4375	4.668	ug/l	96
26) 2,2-Dichloropropane	6.78	77	2934	1.039	ug/l	81
27) cis-1,2-Dichloroethene	6.77	96	899	0.416	ug/l #	1
28) Bromochloromethane	7.15	49	1459	1.072	ug/l #	77
29) Tetrahydrofuran	7.17	42	2792	4.528	ug/l #	83
30) Chloroform	7.33	83	3601	1.052	ug/l	99
31) Cyclohexane	7.62	56	5658	2.035	ug/l #	44
32) 1,1,1-Trichloroethane	7.53	97	2957	0.957	ug/l #	51
36) 1,1-Dichloropropene	7.75	75	2597	0.996	ug/l	87
37) Ethyl Acetate	6.88	43	1889	0.909	ug/l #	65
38) Carbon Tetrachloride	7.72	117	1135	0.452	ug/l	91

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Jun 17 00:52:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 00:50:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	2476	0.783	ug/l	98
40) Benzene	8.00	78	7538	0.939	ug/l	91
41) Methacrylonitrile	7.13	41	863	0.907	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	2635	0.977	ug/l #	73
43) Isopropyl Acetate	8.12	43	2811	0.754	ug/l #	61
44) Trichloroethene	8.80	130	2020	0.845	ug/l	95
45) 1,2-Dichloropropane	9.08	63	1713	0.893	ug/l	94
46) Dibromomethane	9.17	93	1253	0.863	ug/l	95
47) Bromodichloromethane	9.37	83	2633	0.915	ug/l #	95
48) Methyl methacrylate	9.16	41	834	0.495	ug/l #	66
49) 1,4-Dioxane	9.16	88	592	20.918	ug/l #	59
51) 4-Methyl-2-Pentanone	9.95	43	7941	3.765	ug/l	100
52) Toluene	10.12	92	4113	0.788	ug/l	93
53) t-1,3-Dichloropropene	10.36	75	2427	0.783	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	2798	0.836	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	1668	0.804	ug/l #	90
56) Ethyl methacrylate	10.41	69	1871	0.651	ug/l	98
57) 1,3-Dichloropropane	10.68	76	2886	0.864	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.67	63	4377	3.620	ug/l	95
59) 2-Hexanone	10.72	43	5483	3.619	ug/l	91
60) Dibromochloromethane	10.87	129	1916	0.821	ug/l	94
61) 1,2-Dibromoethane	10.98	107	1773	0.823	ug/l	95
64) Tetrachloroethene	10.60	164	1504	0.643	ug/l	92
65) Chlorobenzene	11.41	112	5746	1.054	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	1697	0.841	ug/l #	63
67) Ethyl Benzene	11.49	91	8315	0.881	ug/l	99
68) m/p-Xylenes	11.59	106	6001	1.609	ug/l	95
69) o-Xylene	11.92	106	2763	0.779	ug/l	98
70) Styrene	11.94	104	4344	0.739	ug/l	98
71) Bromoform	12.10	173	1209	0.786	ug/l #	83
73) Isopropylbenzene	12.22	105	6730	0.859	ug/l	97
74) N-amyl acetate	12.05	43	1755	0.710	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.48	83	2791	1.252	ug/l #	95
76) 1,2,3-Trichloropropane	12.53	75	2755	1.404	ug/l #	100
77) Bromobenzene	12.51	156	1942	0.980	ug/l	93
78) n-propylbenzene	12.57	91	8194	0.935	ug/l	93
79) 2-Chlorotoluene	12.65	91	5114	0.979	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	5325	0.814	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.28	75	549	0.720	ug/l #	70
82) 4-Chlorotoluene	12.75	91	4981	0.907	ug/l	98
83) tert-Butylbenzene	12.97	119	4811	0.837	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	4707	0.724	ug/l	93
85) sec-Butylbenzene	13.15	105	6018	0.812	ug/l	100
86) p-Isopropyltoluene	13.26	119	4850	0.712	ug/l	94
87) 1,3-Dichlorobenzene	13.26	146	3527	0.998	ug/l	97
88) 1,4-Dichlorobenzene	13.26	146	3527	0.981	ug/l	97
89) n-Butylbenzene	13.59	91	4525	0.796	ug/l	97
90) Hexachloroethane	13.84	117	960	1.161	ug/l	87
91) 1,2-Dichlorobenzene	13.63	146	3036	0.898	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	14.25	75	312	0.704	ug/l	83

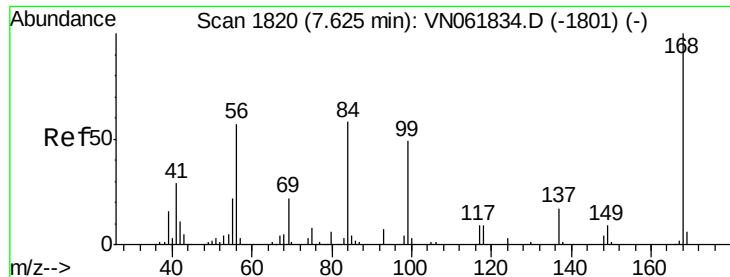
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061620\
Data File : VN061831.D
Acq On : 16 Jun 2020 17:02
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Jun 17 00:52:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 17 00:50:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	1342	0.701	ug/l	91
94) Hexachlorobutadiene	14.98	225	639	0.785	ug/l	90
95) Naphthalene	15.11	128	3448	0.599	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.28	180	1355	0.720	ug/l	90

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

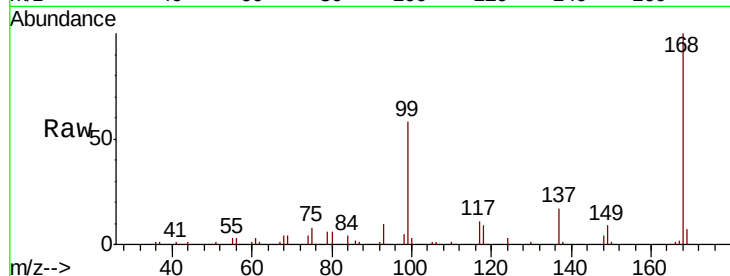
VSTDIC001

Tot Ion:168 Resp: 164181

Ion Ratio Lower Upper

168 100

99 58.4 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.62

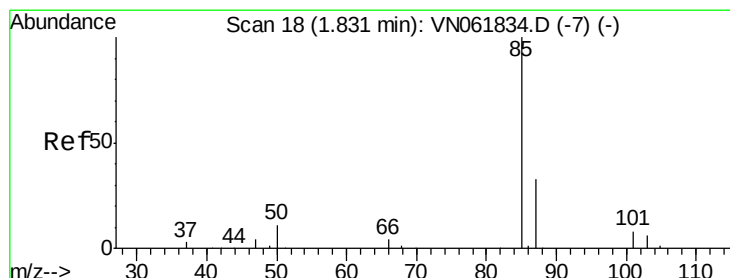
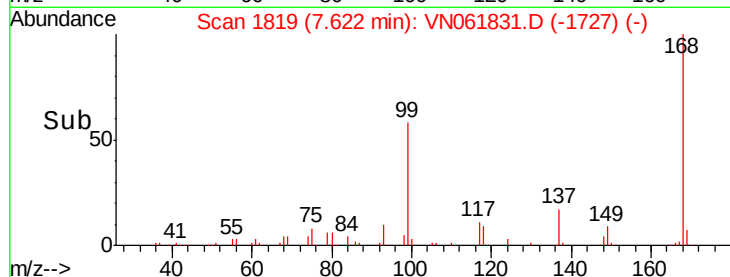
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 0.729 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061831.D

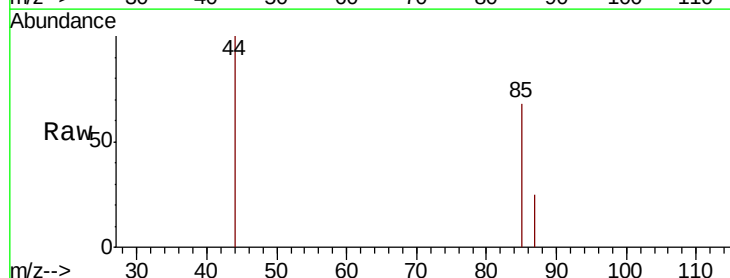
Acq: 16 Jun 2020 17:02

Tgt Ion: 85 Resp: 1291

Ion Ratio Lower Upper

85 100

87 37.1 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

1000

800

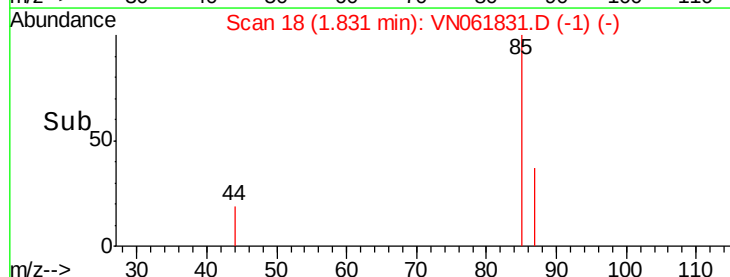
600

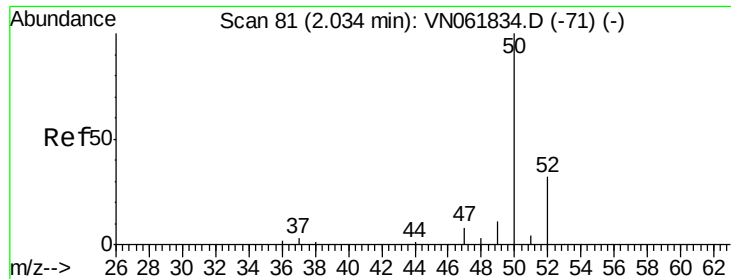
400

200

0

Time--> 1.80 1.82 1.84 1.86

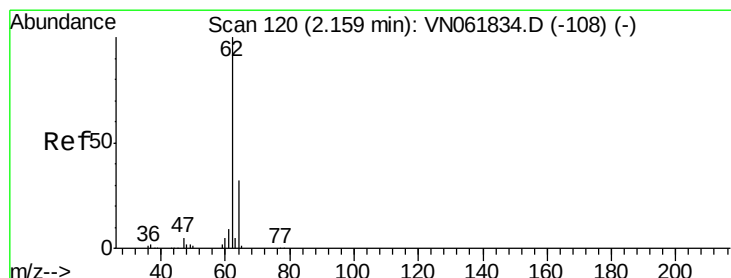
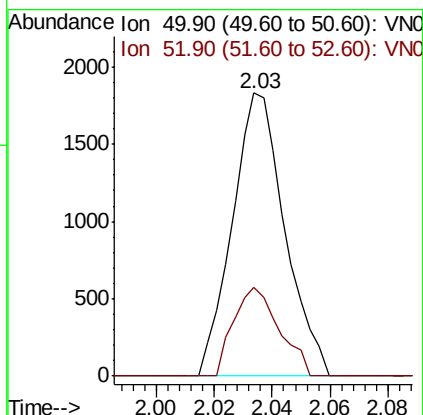
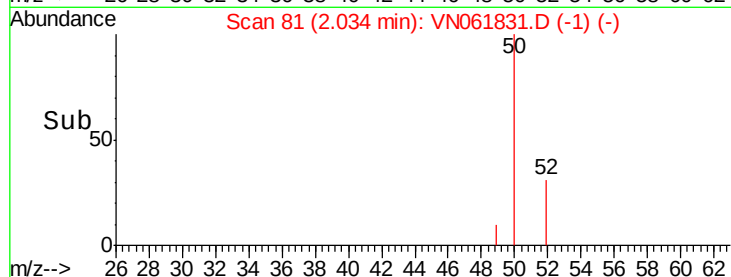
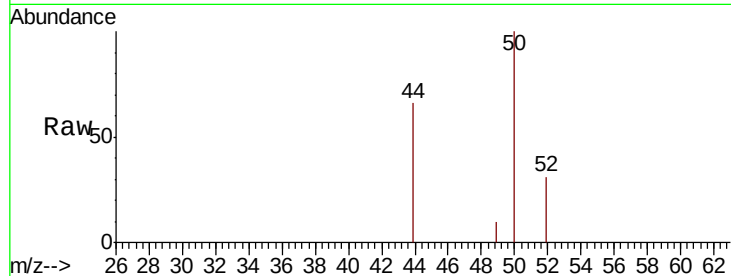




#3
Chloromethane
Concen: 1.114 ug/l
RT: 2.03 min Scan# 81
Delta R.T. -0.00 min
Lab File: VN061831.D
Acq: 16 Jun 2020 17:02

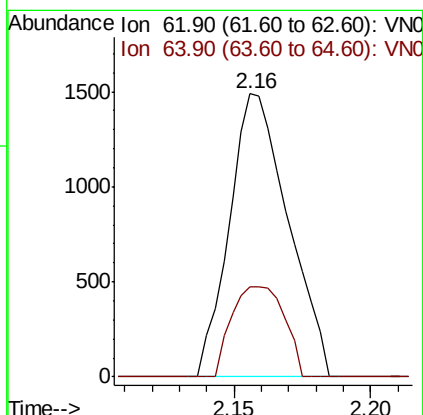
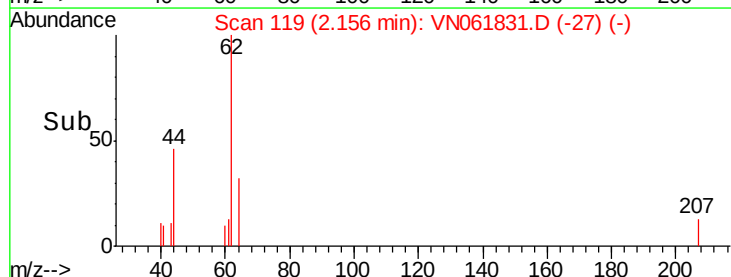
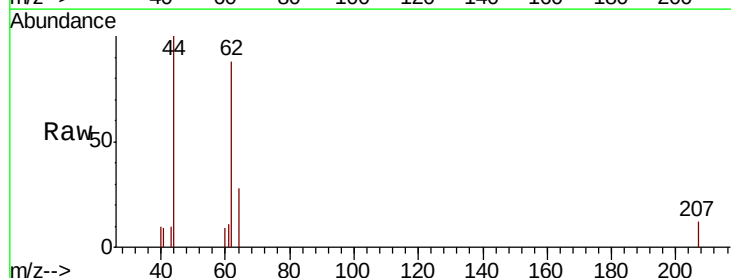
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

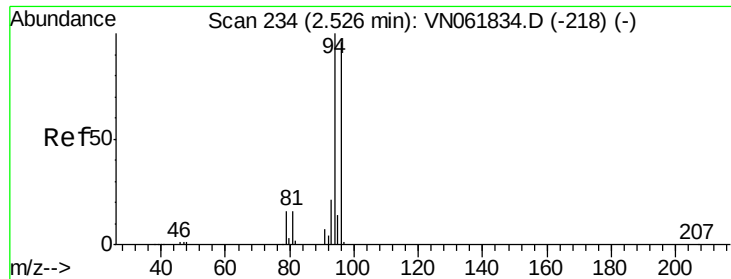
Tot Ion: 50 Resp: 2296
Ion Ratio Lower Upper
50 100
52 31.3 26.0 39.0



#4
Vinyl Chloride
Concen: 0.805 ug/l
RT: 2.16 min Scan# 119
Delta R.T. -0.00 min
Lab File: VN061831.D
Acq: 16 Jun 2020 17:02

Tgt Ion: 62 Resp: 2223
Ion Ratio Lower Upper
62 100
64 31.9 25.5 38.3





#5

Bromomethane

Concen: 1.617 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.02 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

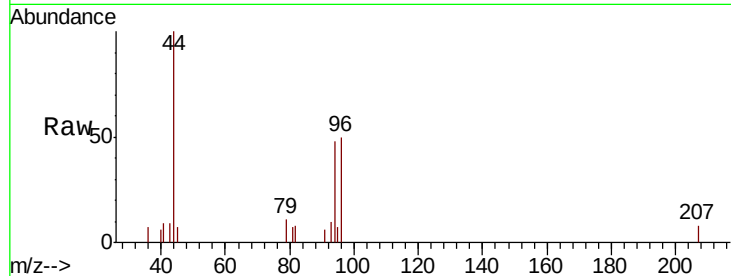
VSTDIC001

Tot Ion: 94 Resp: 2681

Ion Ratio Lower Upper

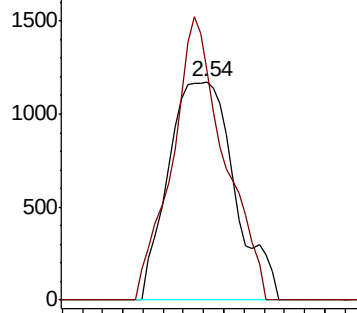
94 100

96 104.7 76.7 115.1

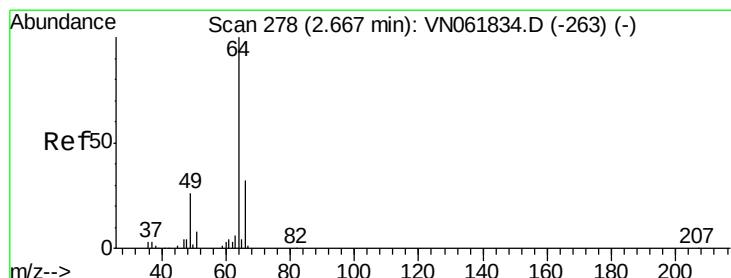
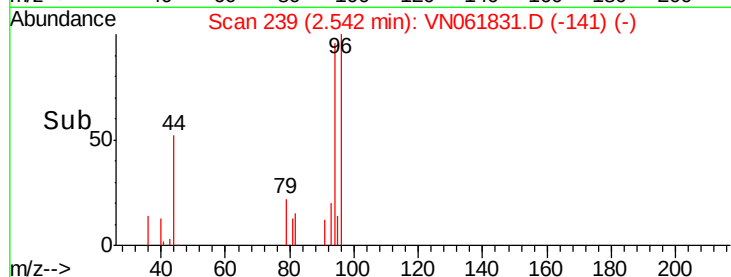


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 0.960 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.01 min

Lab File: VN061831.D

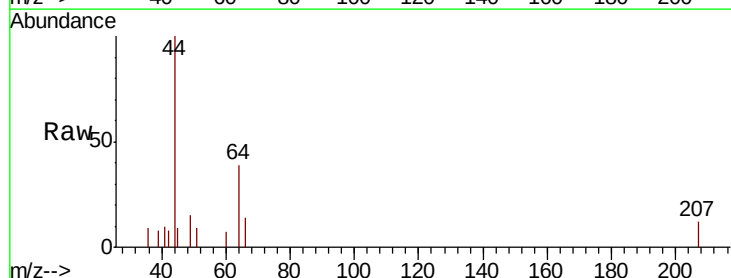
Acq: 16 Jun 2020 17:02

Tgt Ion: 64 Resp: 1723

Ion Ratio Lower Upper

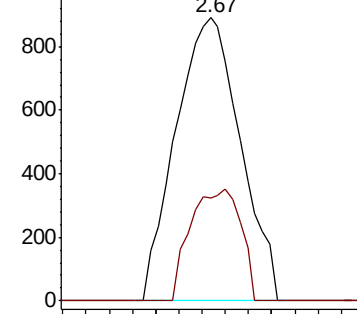
64 100

66 36.5 25.4 38.2

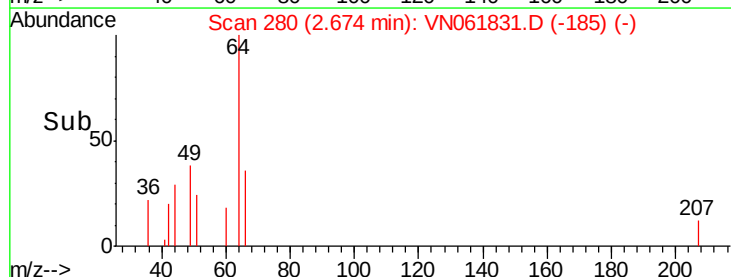


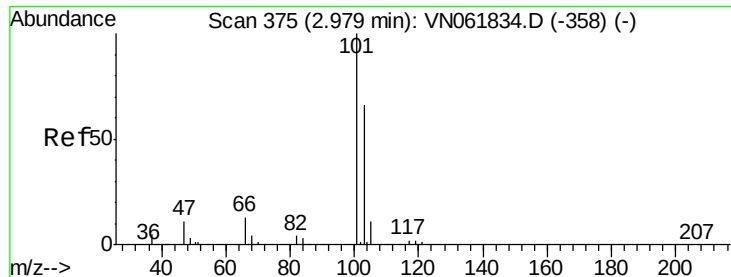
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->



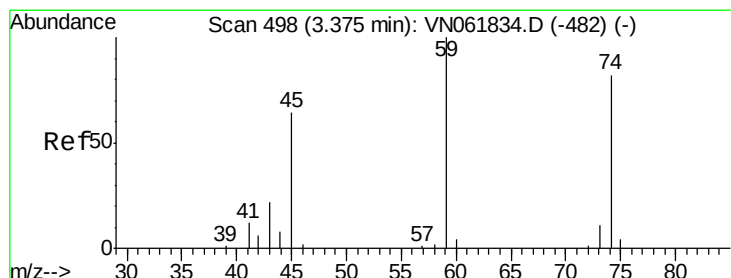
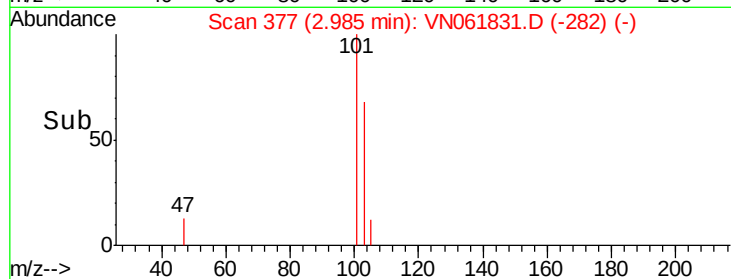
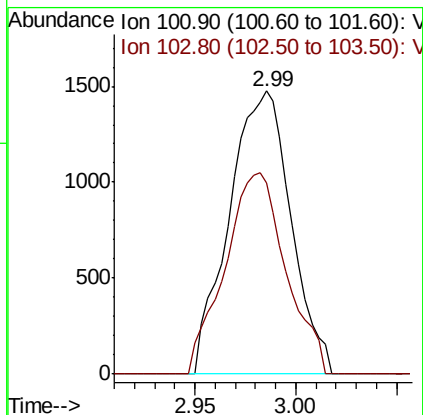
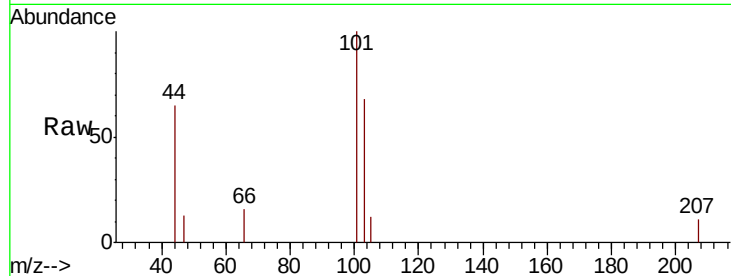


#7

Trichlorofluoromethane
 Concen: 0.896 ug/l
 RT: 2.99 min Scan# 377
 Delta R.T. 0.01 min
 Lab File: VN061831.D
 Acq: 16 Jun 2020 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

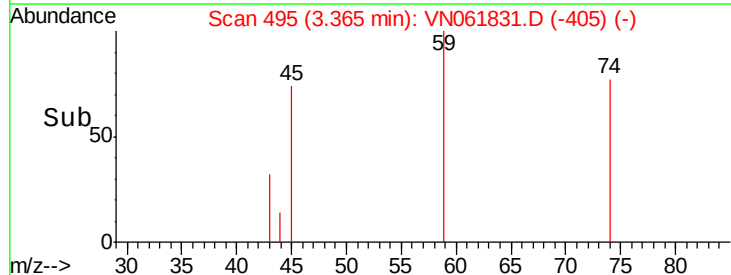
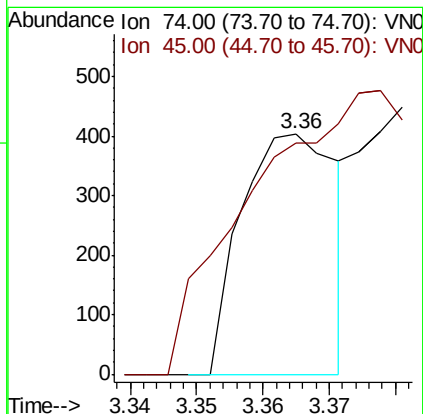
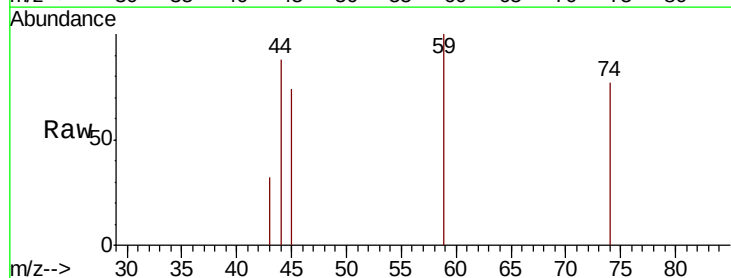
Tot Ion:101 Resp: 3150
 Ion Ratio Lower Upper
 101 100
 103 67.7 52.8 79.2

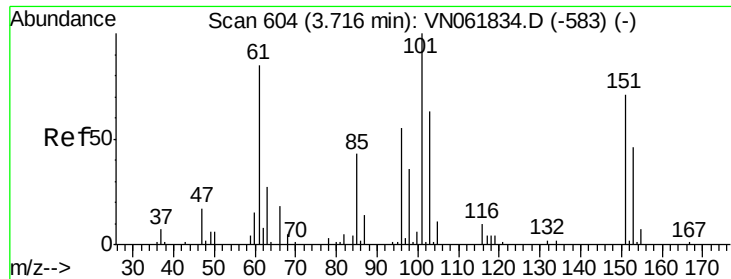


#8

Diethyl Ether
 Concen: 0.365 ug/l
 RT: 3.36 min Scan# 495
 Delta R.T. -0.01 min
 Lab File: VN061831.D
 Acq: 16 Jun 2020 17:02

Tgt Ion: 74 Resp: 402
 Ion Ratio Lower Upper
 74 100
 45 243.8 39.1 117.3#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.435 ug/l

RT: 3.71 min Scan# 602

Delta R.T. -0.01 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

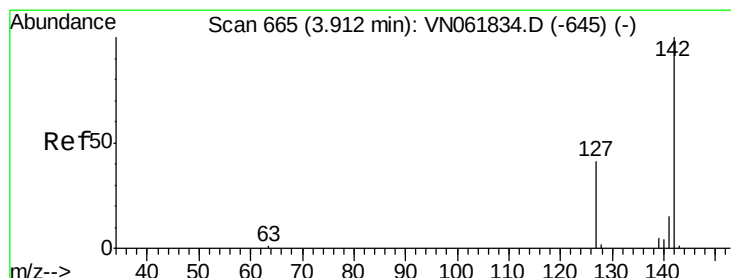
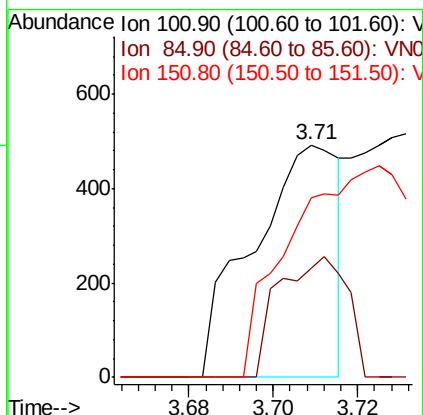
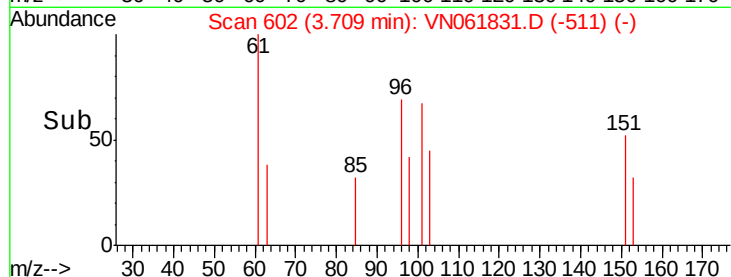
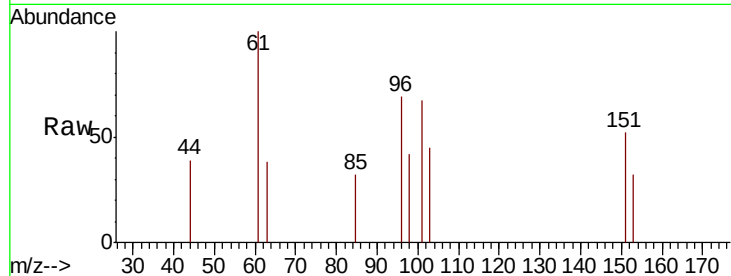
Tot Ion:101 Resp: 695

Ion Ratio Lower Upper

101 100

85 41.4 35.0 52.6

151 140.4 59.2 88.8#



#10

Methyl Iodide

Concen: 0.541 ug/l

RT: 3.91 min Scan# 665

Delta R.T. -0.00 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

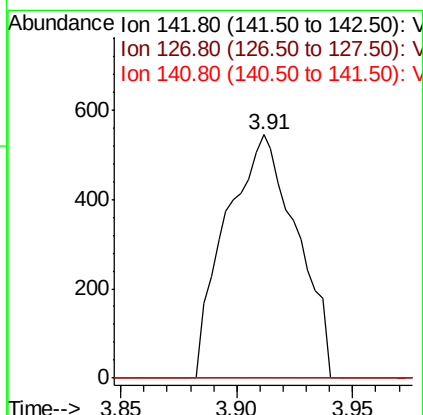
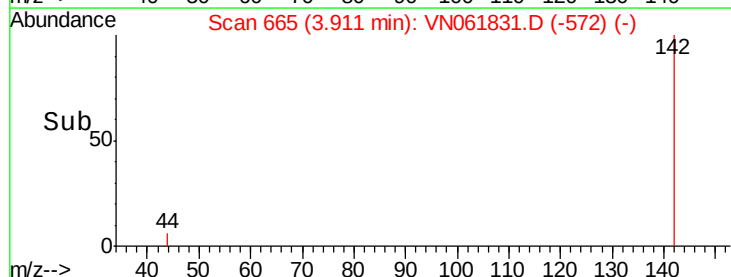
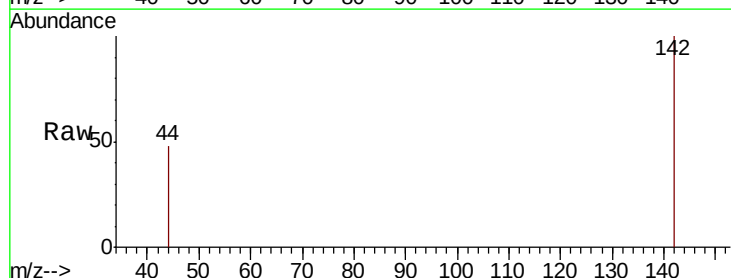
Tgt Ion:142 Resp: 1155

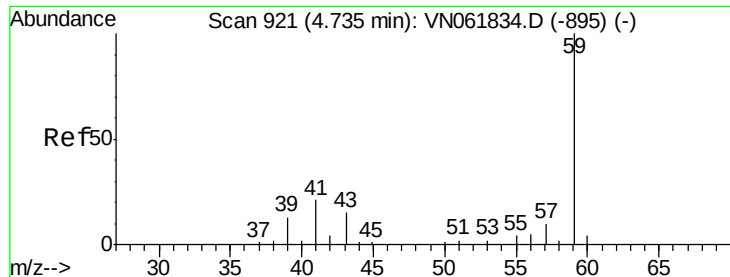
Ion Ratio Lower Upper

142 100

127 0.0 33.4 50.0#

141 0.0 11.3 16.9#

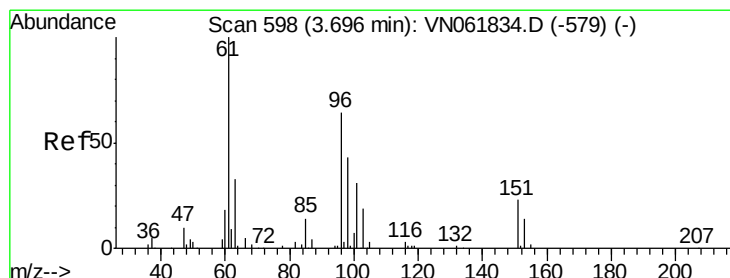
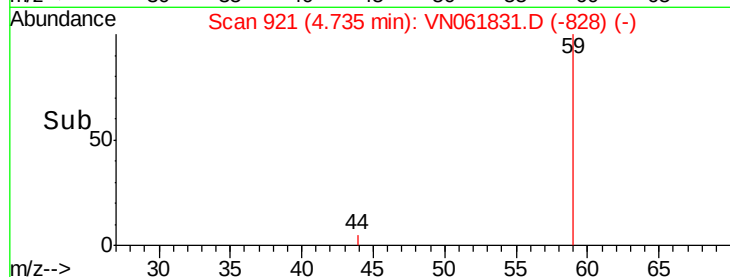
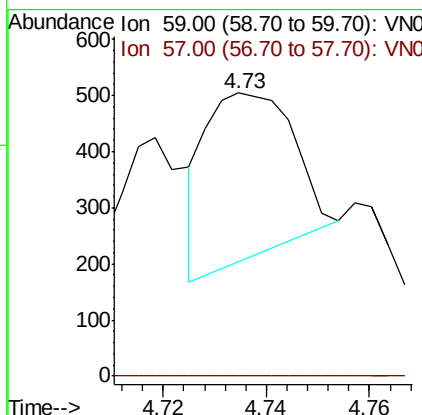
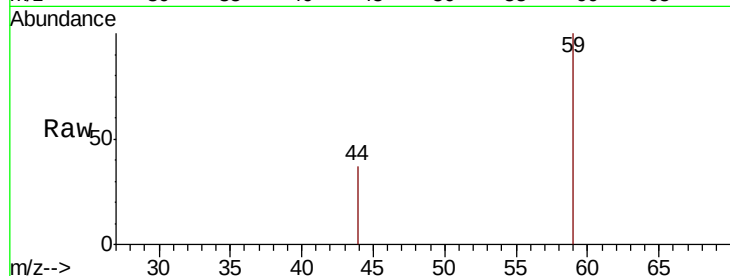




#11
Tert butyl alcohol
Concen: 1.314 ug/l
RT: 4.73 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN061831.D
Acq: 16 Jun 2020 17:02

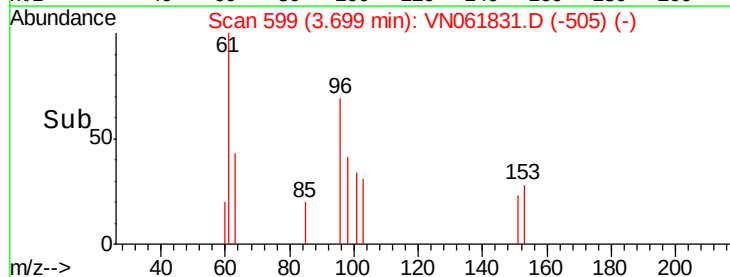
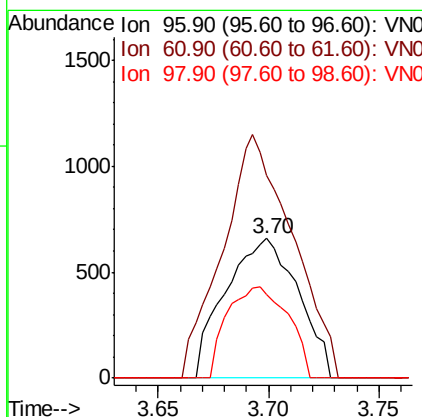
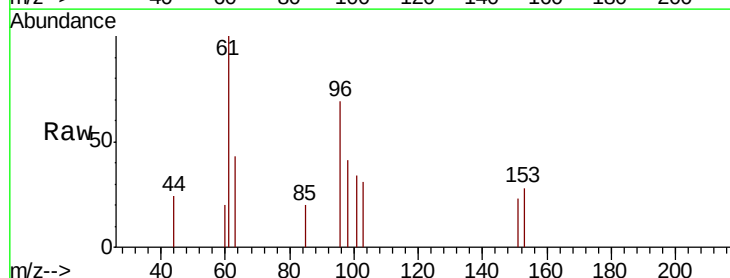
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

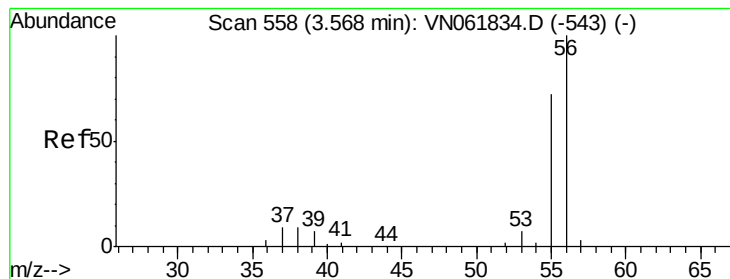
Tot Ion: 59 Resp: 353
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



#12
1,1-Dichloroethene
Concen: 0.884 ug/l
RT: 3.70 min Scan# 599
Delta R.T. 0.00 min
Lab File: VN061831.D
Acq: 16 Jun 2020 17:02

Tgt Ion: 96 Resp: 1502
Ion Ratio Lower Upper
96 100
61 144.8 124.3 186.5
98 59.8 53.1 79.7





#13

Acrolein

Concen: 7.226 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.01 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

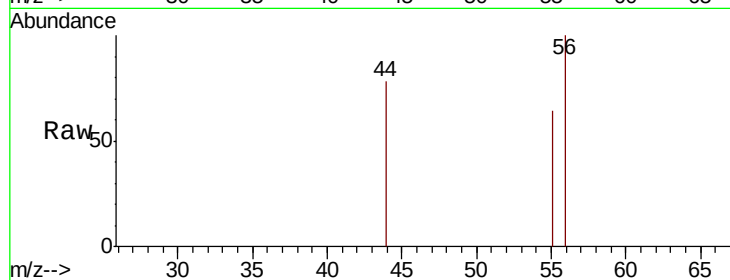
VSTDIC001

Tot Ion: 56 Resp: 862

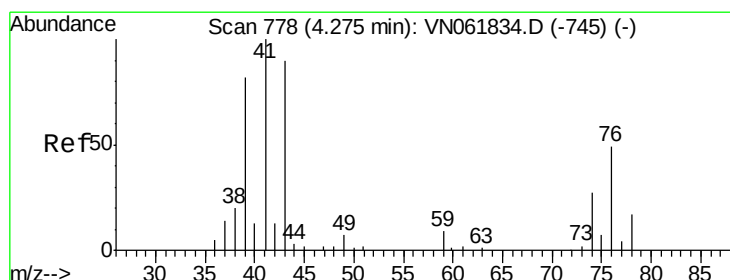
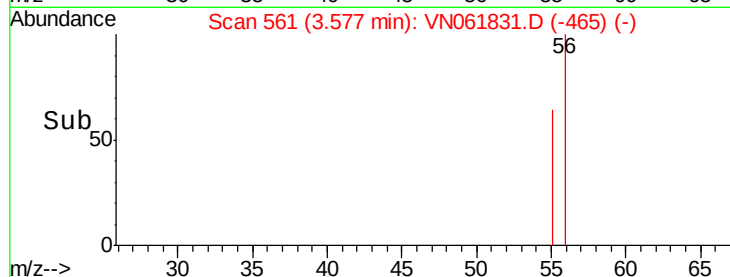
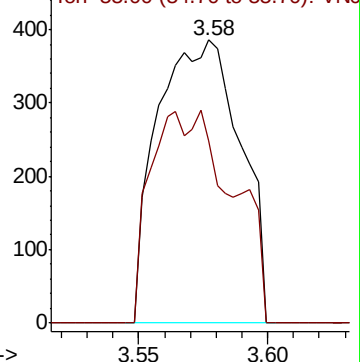
Ion Ratio Lower Upper

56 100

55 32.6 56.2 84.4#



Abundance Ion 56.00 (55.70 to 56.70): VN061831.D (-543) (-)



#14

Allyl chloride

Concen: 0.875 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

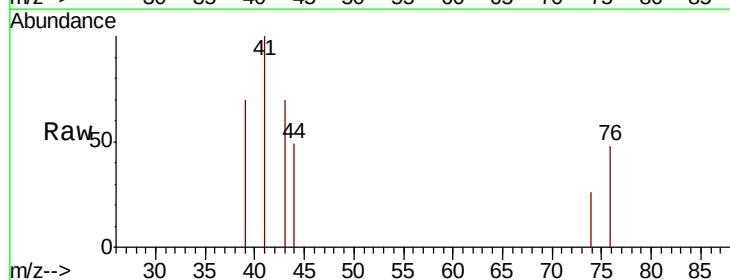
Tgt Ion: 41 Resp: 1944

Ion Ratio Lower Upper

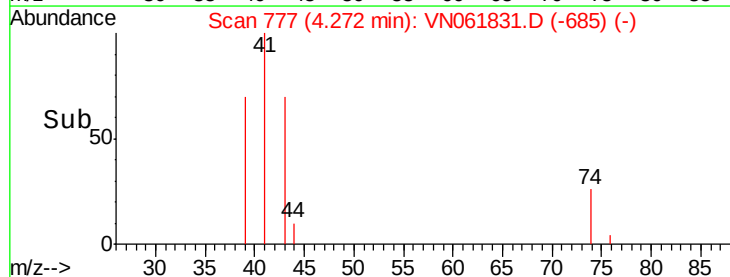
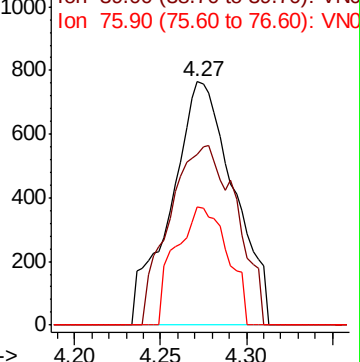
41 100

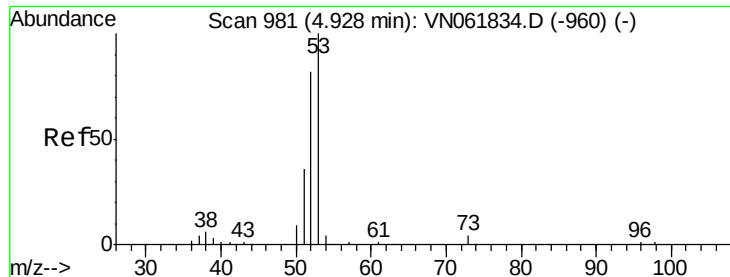
39 78.6 60.2 90.2

76 39.8 36.3 54.5



Abundance Ion 41.00 (40.70 to 41.70): VN061831.D (-745) (-)





#15

Acrylonitrile

Concen: 4.168 ug/l

RT: 4.94 min Scan# 985

Delta R.T. 0.01 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

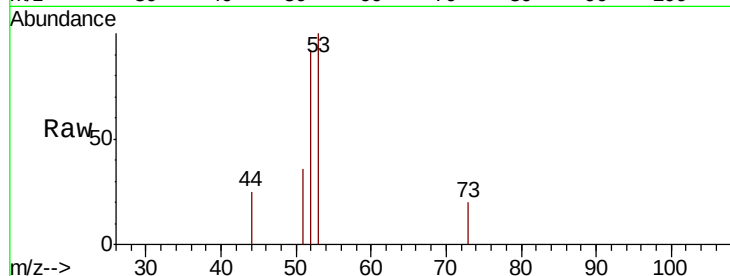
Tot Ion: 53 Resp: 3065

Ion Ratio Lower Upper

53 100

52 85.4 65.2 97.8

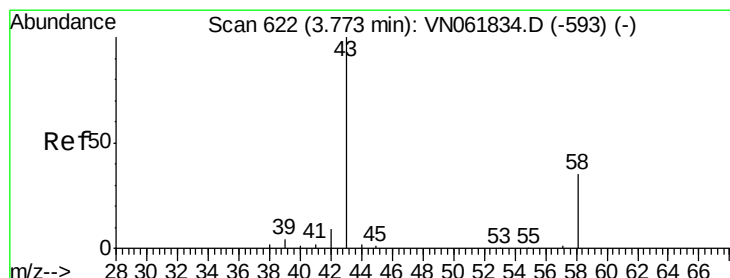
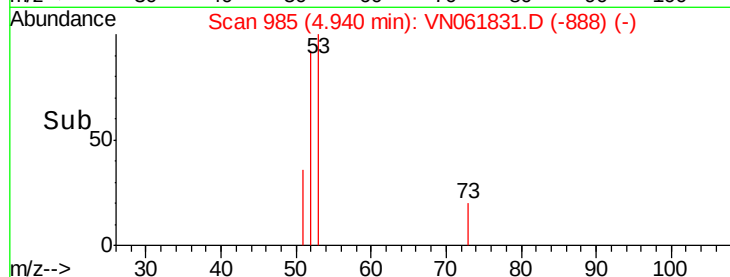
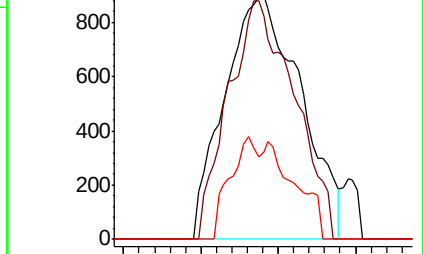
51 15.5 29.3 43.9#



Abundance Ion 53.00 (52.70 to 53.70): VN061831.D (-960) (-)

Ion 52.00 (51.70 to 52.70): VN061831.D (-960) (-)

Ion 51.00 (50.70 to 51.70): VN061831.D (-960) (-)



#16

Acetone

Concen: 5.451 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061831.D

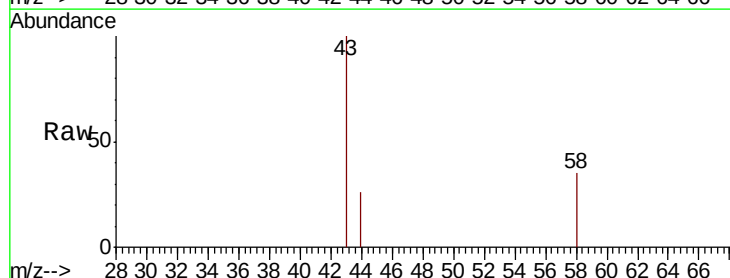
Acq: 16 Jun 2020 17:02

Tgt Ion: 43 Resp: 3824

Ion Ratio Lower Upper

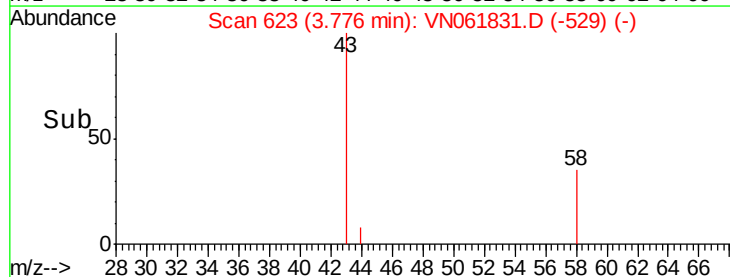
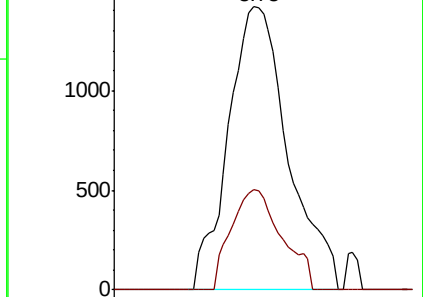
43 100

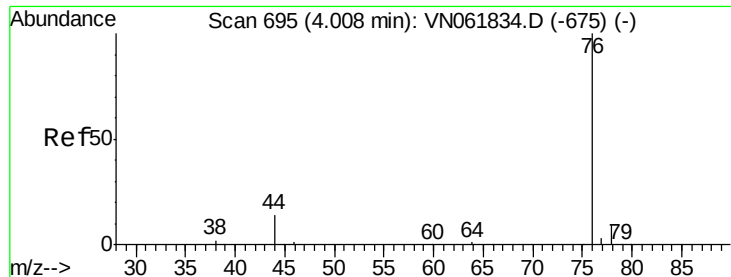
58 35.3 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VN061831.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN061831.D (-529) (-)





#17

Carbon Disulfide

Concen: 1.229 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

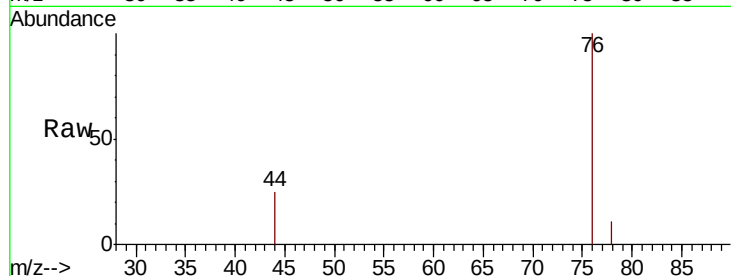
VSTDIC001

Tot Ion: 76 Resp: 4848

Ion Ratio Lower Upper

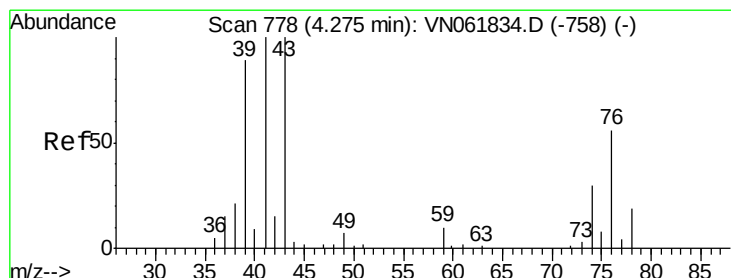
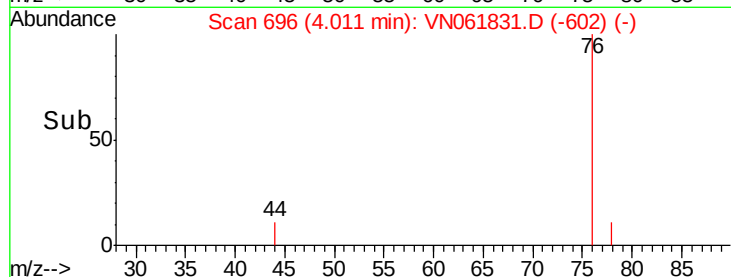
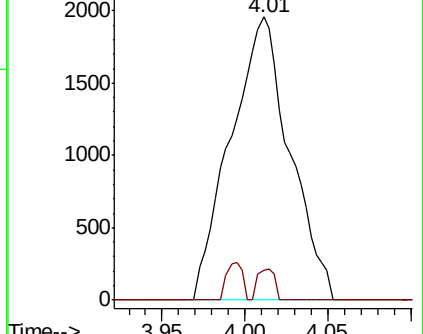
76 100

78 10.7 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN061831.D (-675) (-)

Ion 77.90 (77.60 to 78.60): VN061831.D (-675) (-)



#18

Methyl Acetate

Concen: 1.048 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.02 min

Lab File: VN061831.D

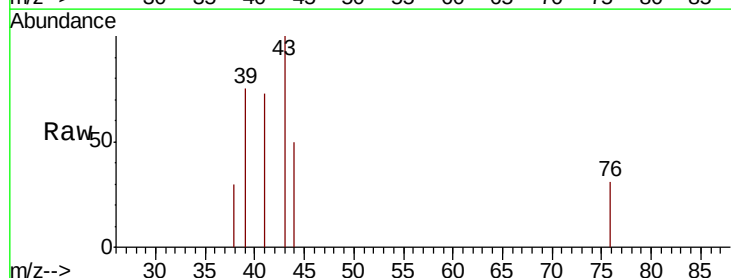
Acq: 16 Jun 2020 17:02

Tgt Ion: 43 Resp: 1880

Ion Ratio Lower Upper

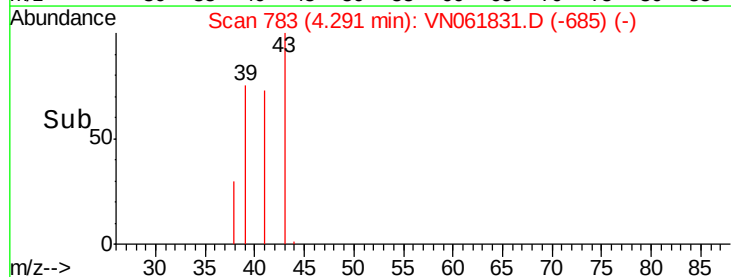
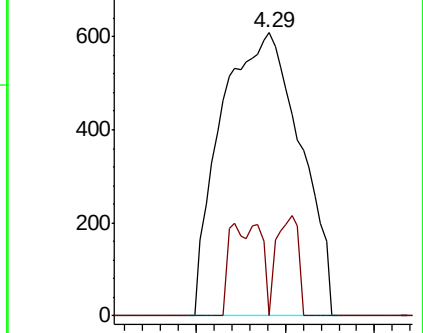
43 100

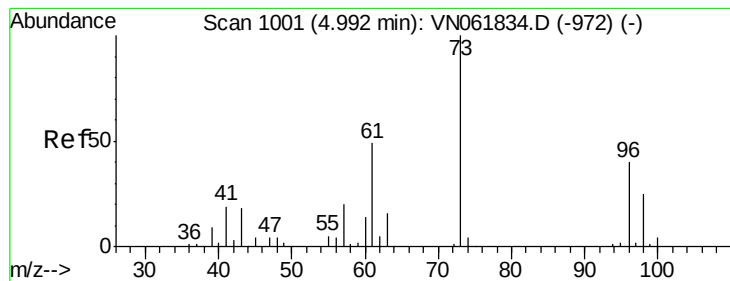
74 9.8 23.0 34.4#



Abundance Ion 43.00 (42.70 to 43.70): VN061831.D (-685) (-)

Ion 74.00 (73.70 to 74.70): VN061831.D (-685) (-)



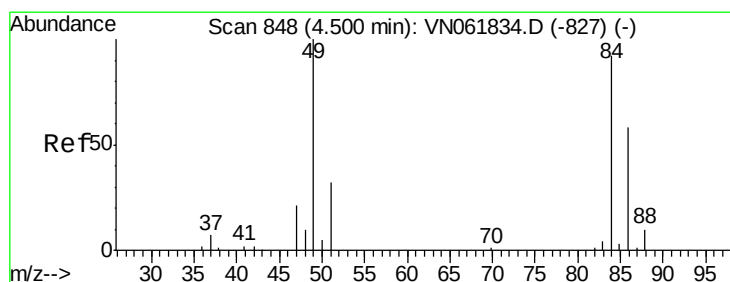
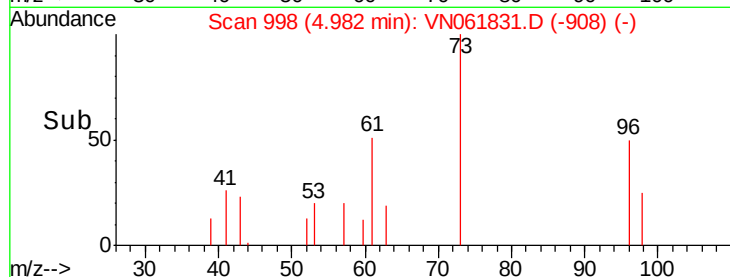
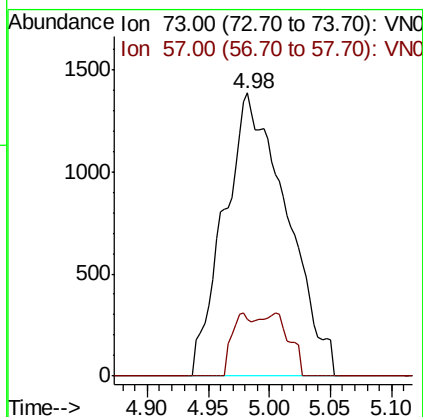
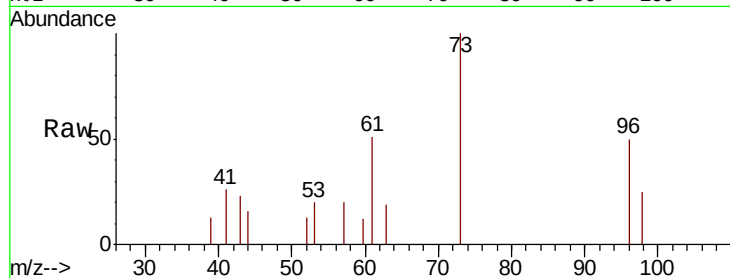


#19

Methyl tert-butyl Ether
 Concen: 0.857 ug/l
 RT: 4.98 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: VN061831.D
 Acq: 16 Jun 2020 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

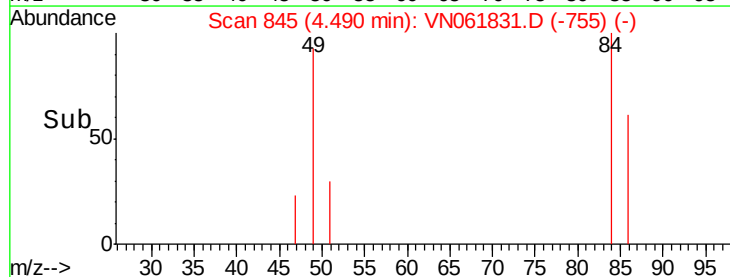
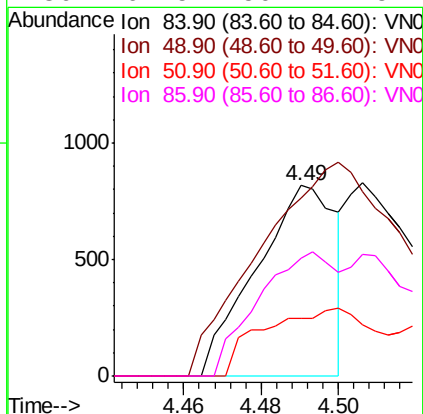
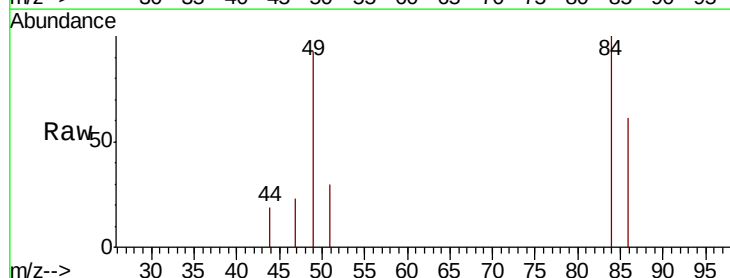
Tot Ion: 73 Resp: 4930
 Ion Ratio Lower Upper
 73 100
 57 20.1 16.2 24.4

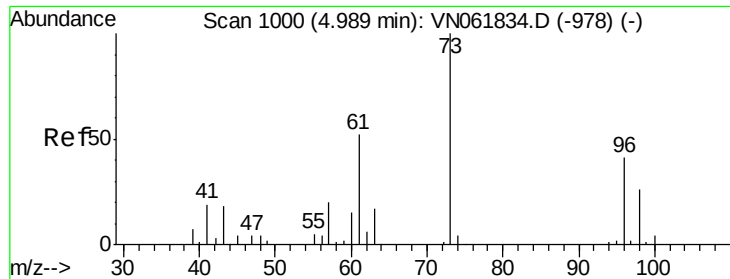


#20

Methylene Chloride
 Concen: 0.480 ug/l
 RT: 4.49 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: VN061831.D
 Acq: 16 Jun 2020 17:02

Tgt Ion: 84 Resp: 1167
 Ion Ratio Lower Upper
 84 100
 49 93.2 87.0 130.4
 51 30.1 27.8 41.6
 86 61.5 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 0.611 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

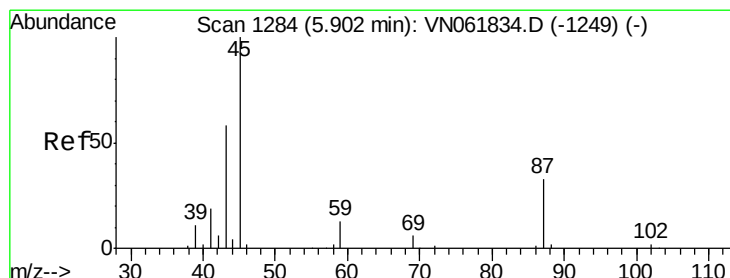
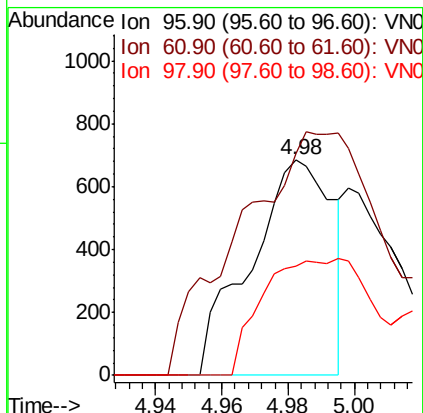
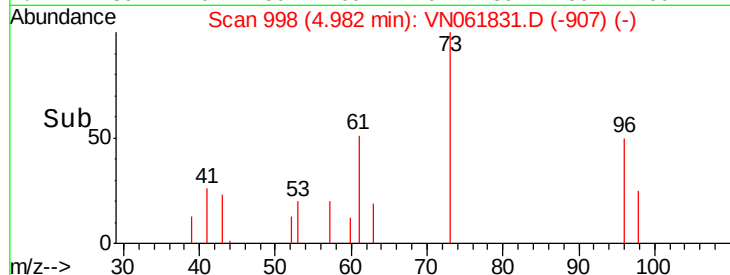
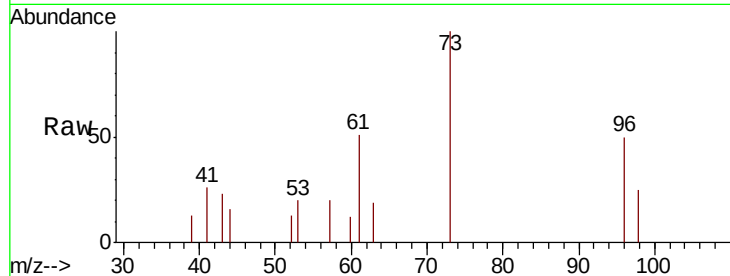
Tot Ion: 96 Resp: 1175

Ion Ratio Lower Upper

96 100

61 64.2 102.2 153.4#

98 50.8 51.2 76.8#



#22

Diisopropyl ether

Concen: 0.911 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

Tgt Ion: 45 Resp: 4447

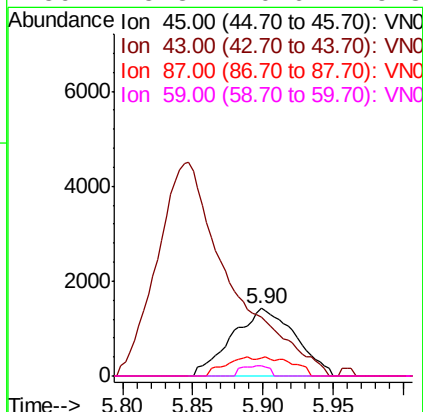
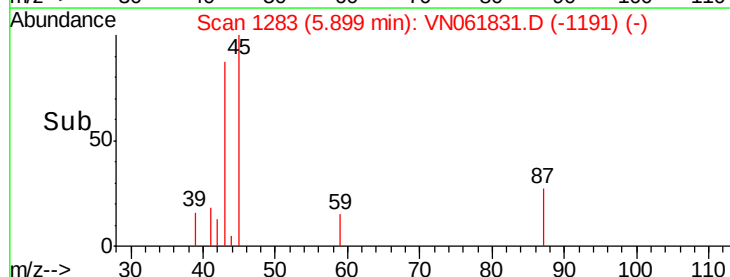
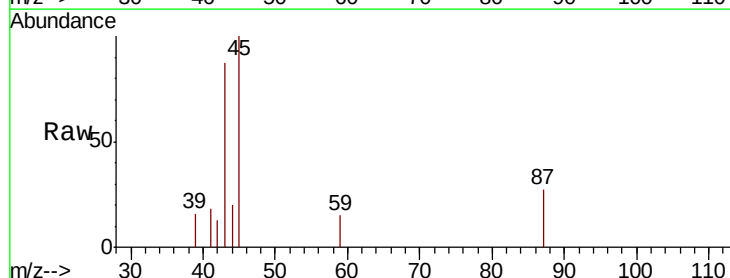
Ion Ratio Lower Upper

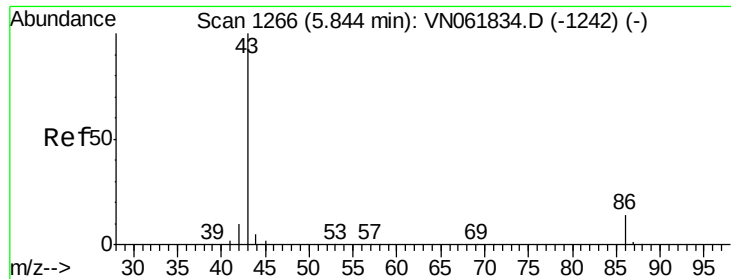
45 100

43 87.2 49.4 74.2#

87 26.9 27.4 41.0#

59 15.3 10.6 15.8





#23

Vinyl Acetate

Concen: 4.187 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

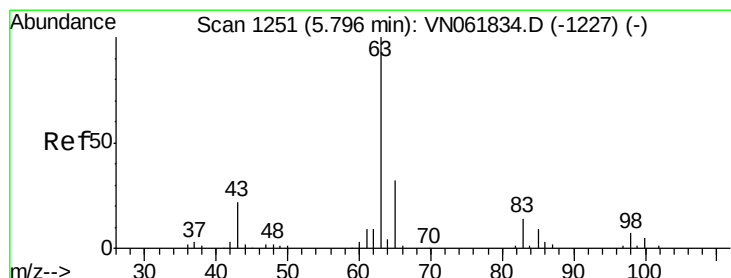
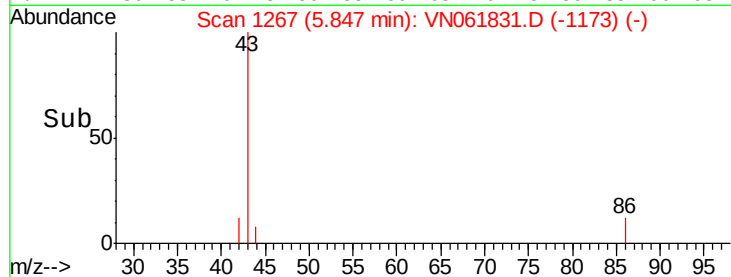
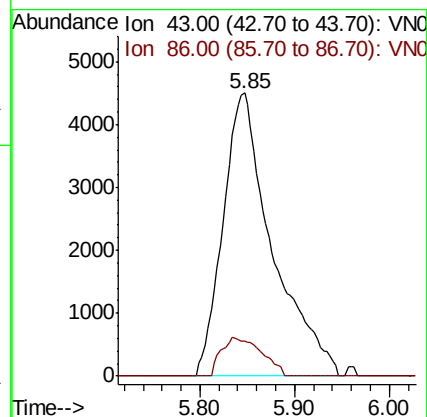
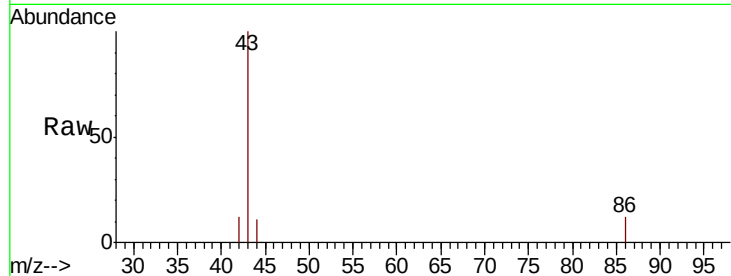
VSTDIC001

Tot Ion: 43 Resp: 16265

Ion Ratio Lower Upper

43 100

86 12.2 10.9 16.3



#24

1,1-Dichloroethane

Concen: 0.648 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

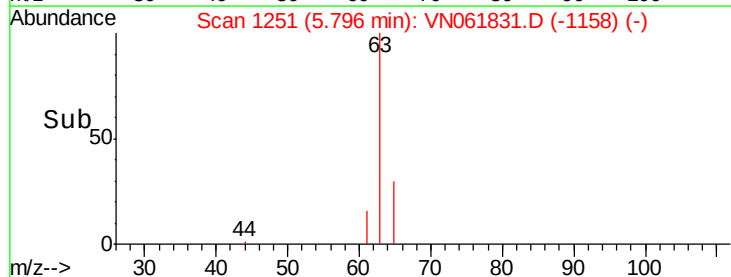
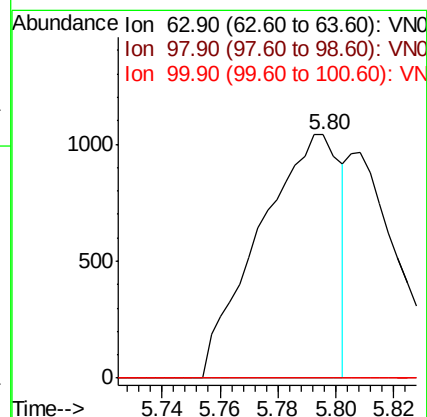
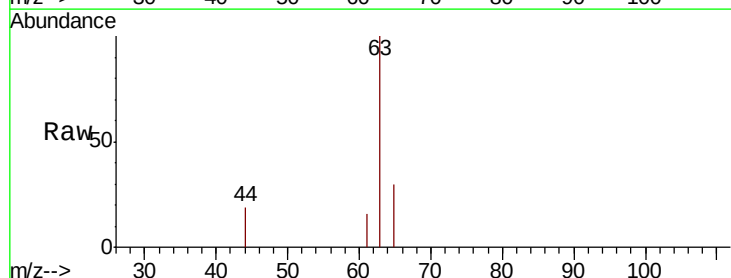
Tgt Ion: 63 Resp: 2018

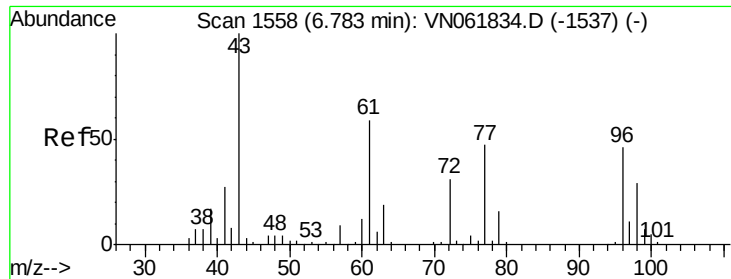
Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.4#

100 0.0 2.5 7.4#





#25

2-Butanone

Concen: 4.668 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

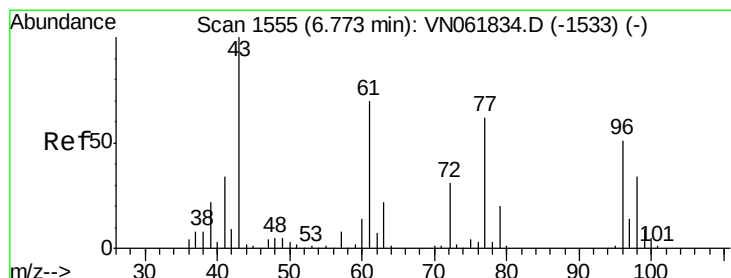
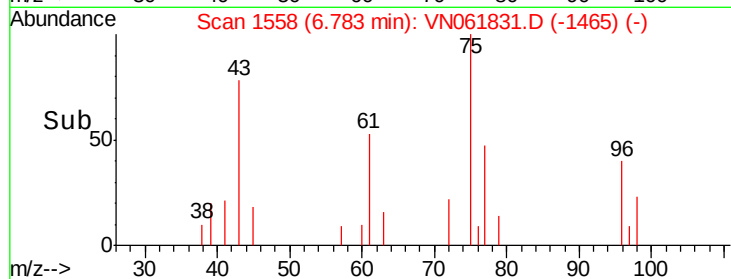
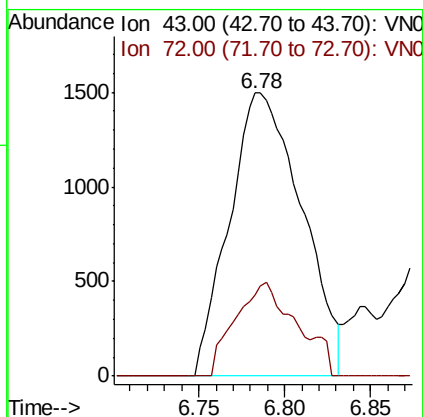
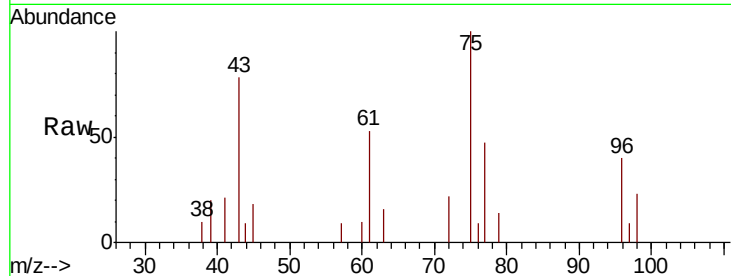
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 43 Resp: 4375

Ion Ratio Lower Upper

43 100

72 28.7 24.6 37.0



#26

2,2-Dichloropropane

Concen: 1.039 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.01 min

Lab File: VN061831.D

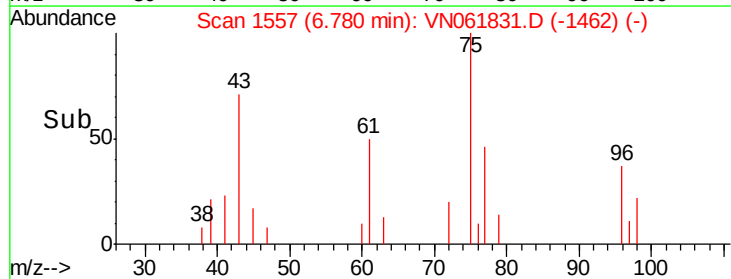
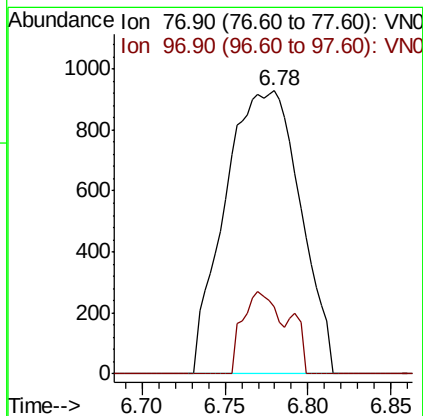
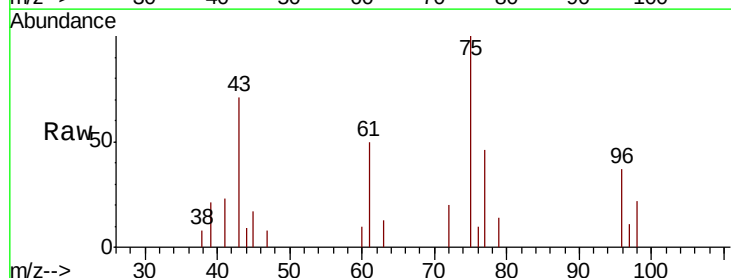
Acq: 16 Jun 2020 17:02

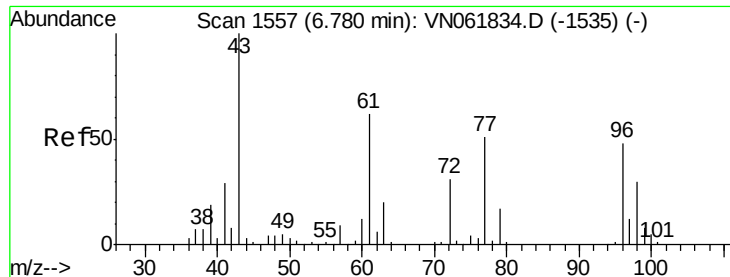
Tgt Ion: 77 Resp: 2934

Ion Ratio Lower Upper

77 100

97 13.8 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 0.416 ug/l

RT: 6.77 min Scan# 1553

Delta R.T. -0.01 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

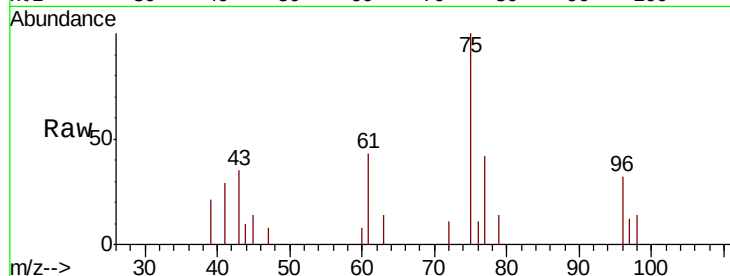
Tot Ion: 96 Resp: 899

Ion Ratio Lower Upper

96 100

61 316.0 0.0 265.6#

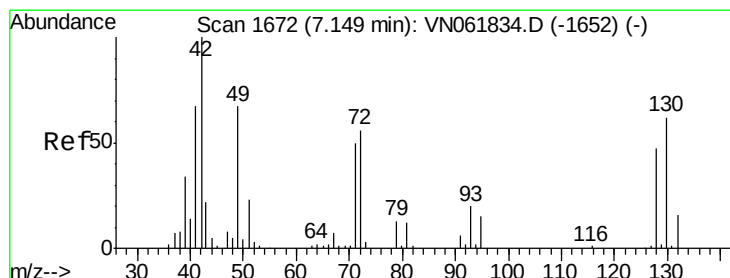
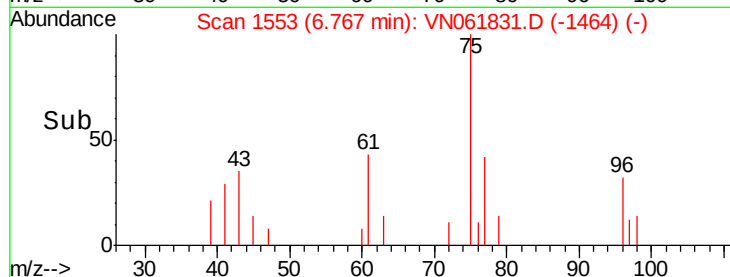
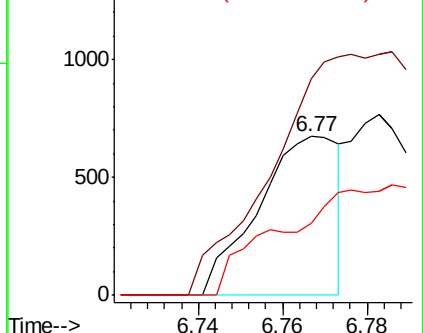
98 138.7 0.0 128.2#



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 1.072 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

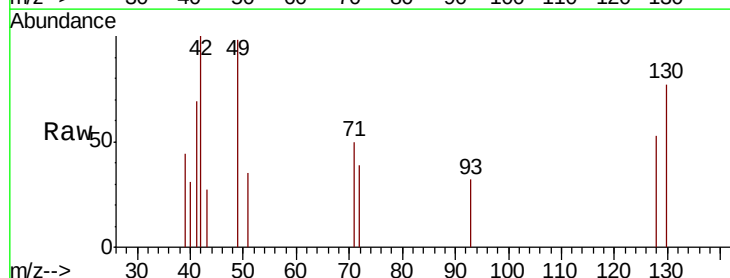
Tgt Ion: 49 Resp: 1459

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

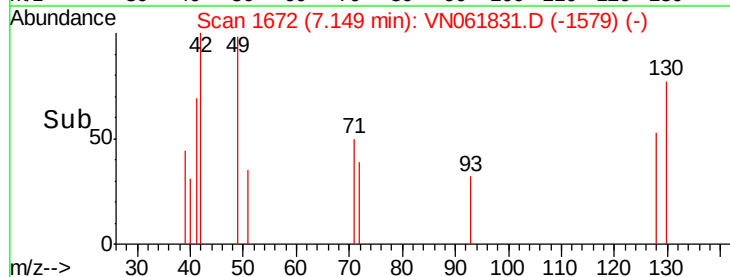
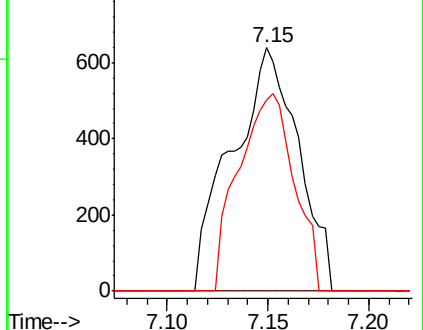
130 68.5 72.2 108.2#

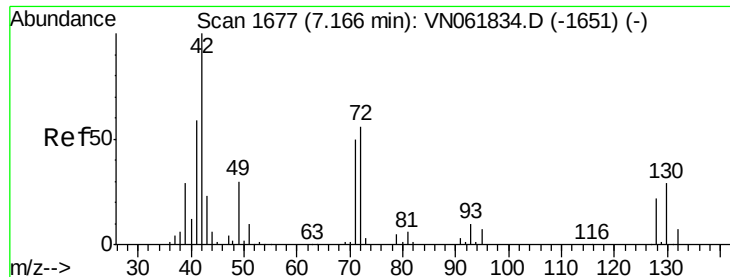


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

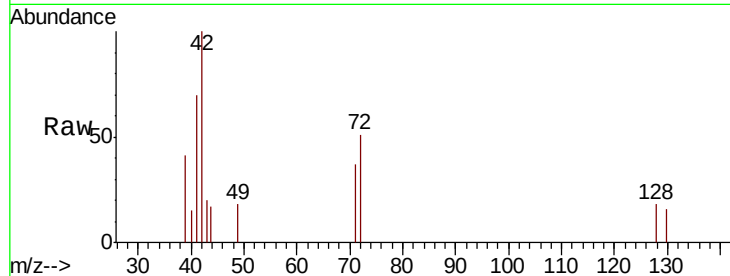




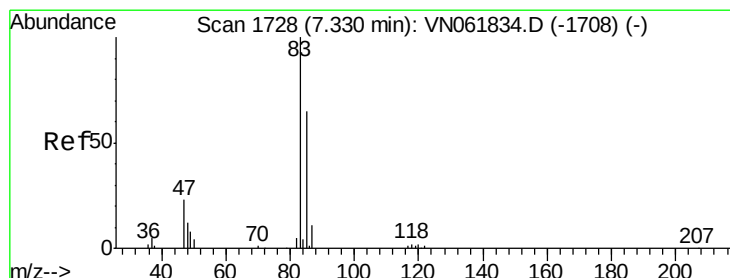
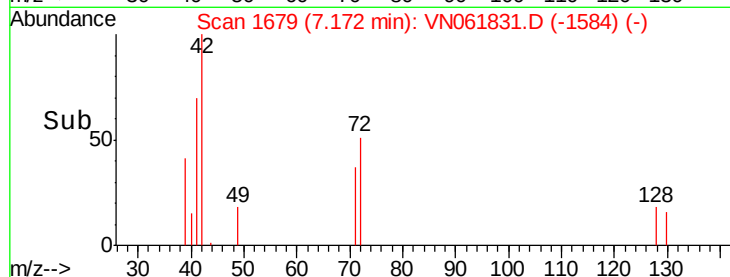
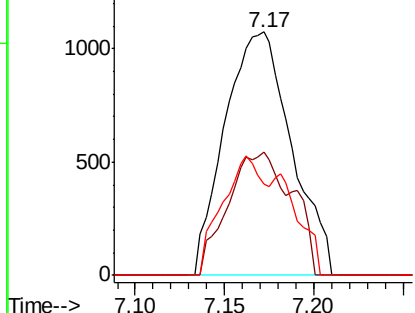
#29
Tetrahydrofuran
Concen: 4.528 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.01 min
Lab File: VN061831.D
Acq: 16 Jun 2020 17:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 42 Resp: 2792
Ion Ratio Lower Upper
42 100
72 48.7 44.0 66.0
71 31.6 40.0 60.0#

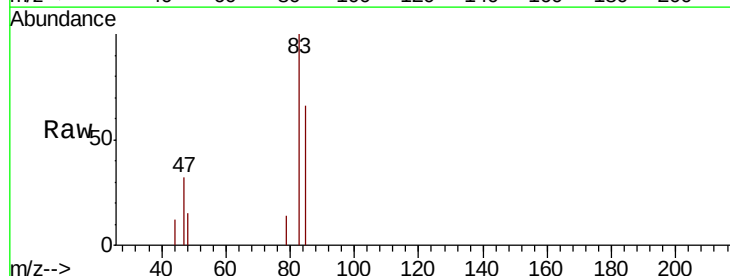


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

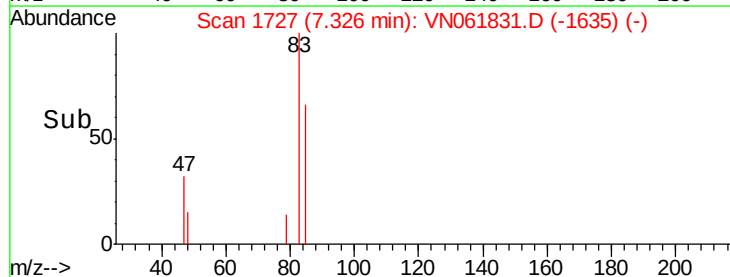
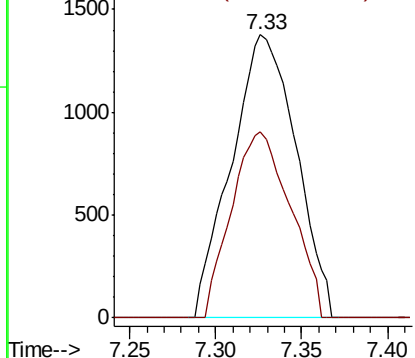


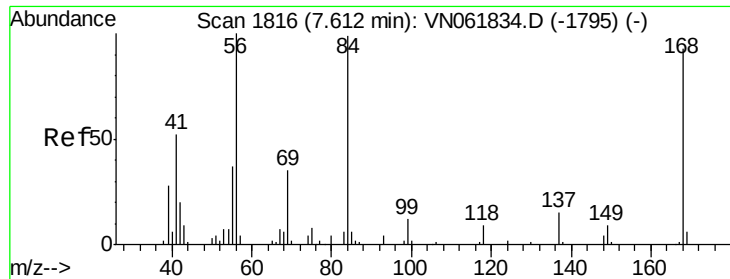
#30
Chloroform
Concen: 1.052 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061831.D
Acq: 16 Jun 2020 17:02

Tgt Ion: 83 Resp: 3601
Ion Ratio Lower Upper
83 100
85 65.6 52.0 78.0



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

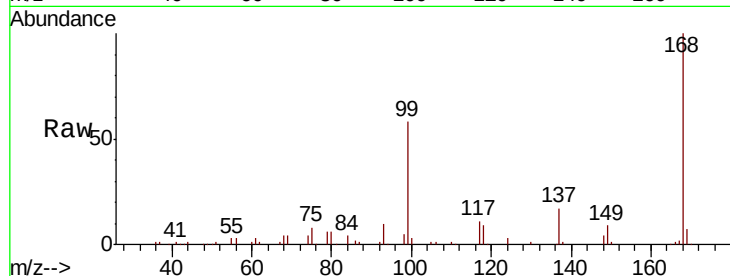




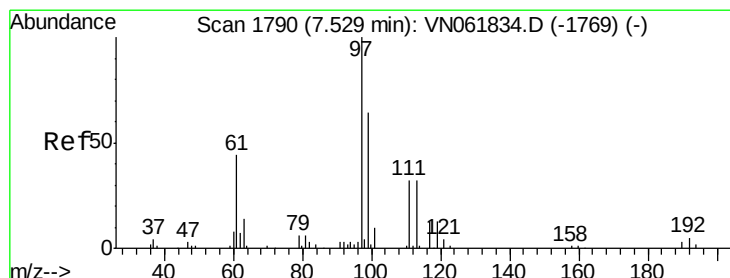
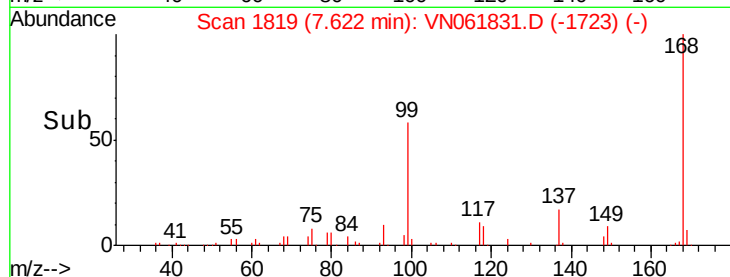
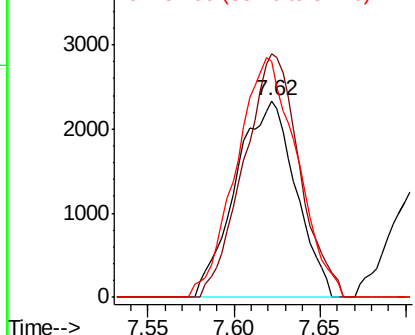
#31
Cyclohexane
Concen: 2.035 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN061831.D
Acq: 16 Jun 2020 17:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 56 Resp: 5658
Ion Ratio Lower Upper
56 100
69 124.0 27.7 41.5#
84 120.3 79.1 118.7#

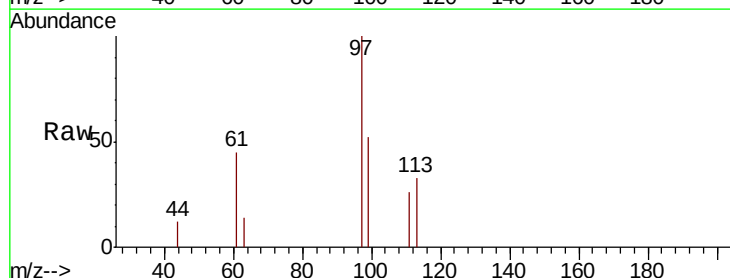


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

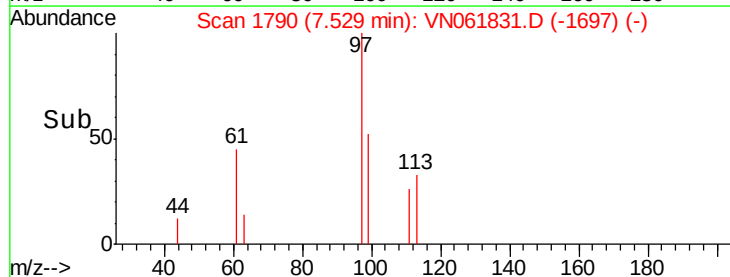
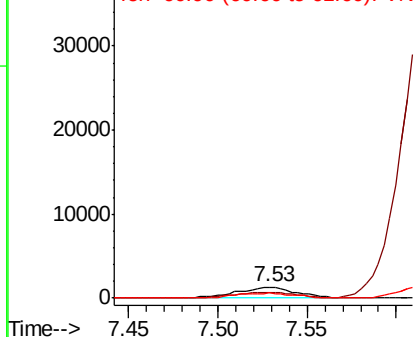


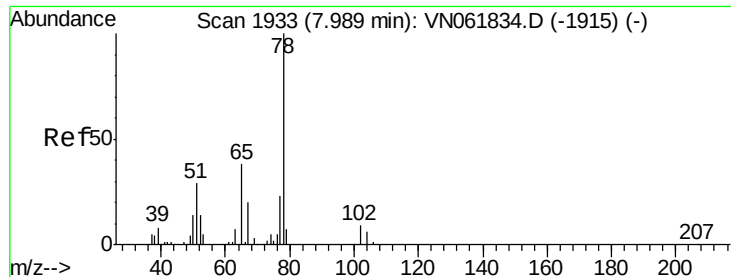
#32
1,1,1-Trichloroethane
Concen: 0.957 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VN061831.D
Acq: 16 Jun 2020 17:02

Tgt Ion: 97 Resp: 2957
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 43.3 35.1 52.7



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

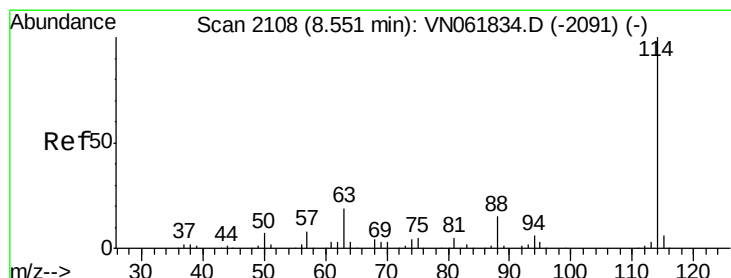
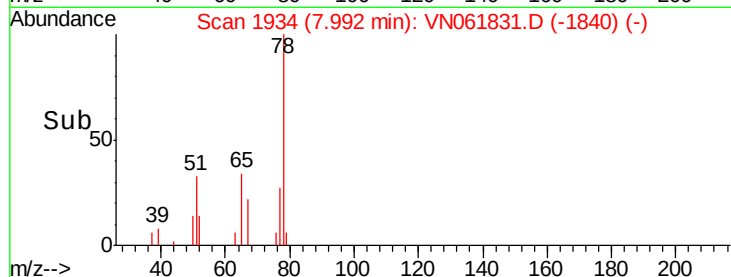
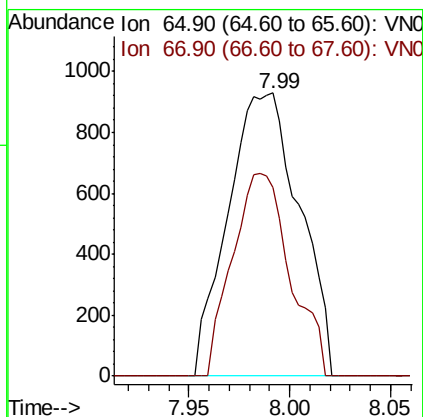
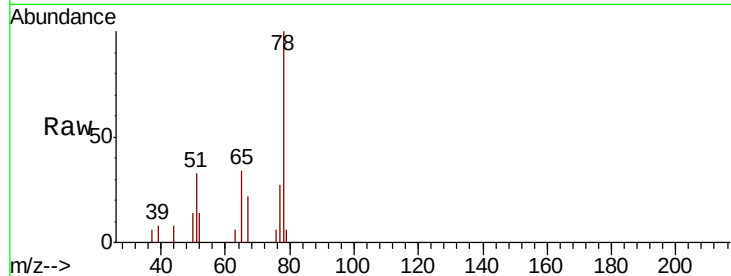




#33
 1,2-Dichloroethane-d4
 Concen: 1.156 ug/l
 RT: 7.99 min Scan# 1934
 Delta R.T. 0.00 min
 Lab File: VN061831.D
 Acq: 16 Jun 2020 17:02

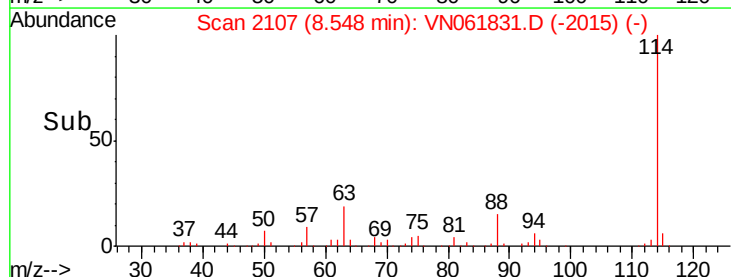
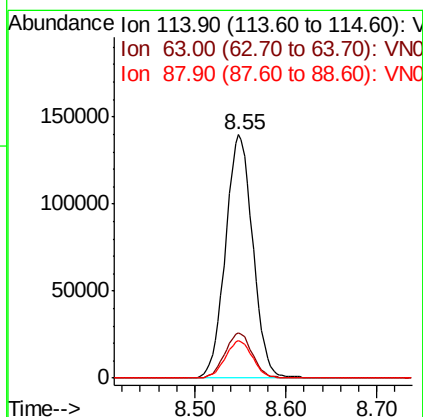
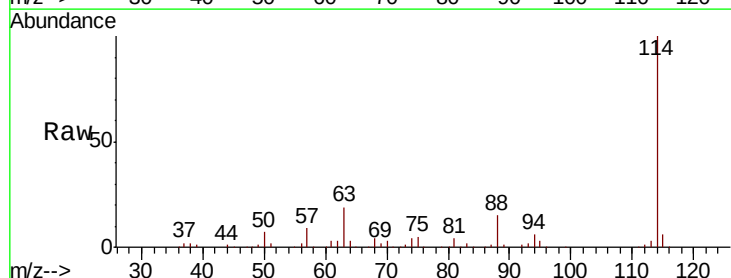
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

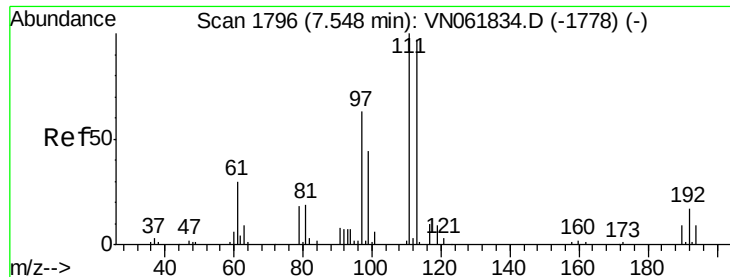
Tot Ion: 65 Resp: 2292
 Ion Ratio Lower Upper
 65 100
 67 58.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061831.D
 Acq: 16 Jun 2020 17:02

Tgt Ion: 114 Resp: 291213
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 37.6
 88 15.4 0.0 31.0





#35

Dibromofluoromethane

Concen: 1.136 ug/l

RT: 7.54 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

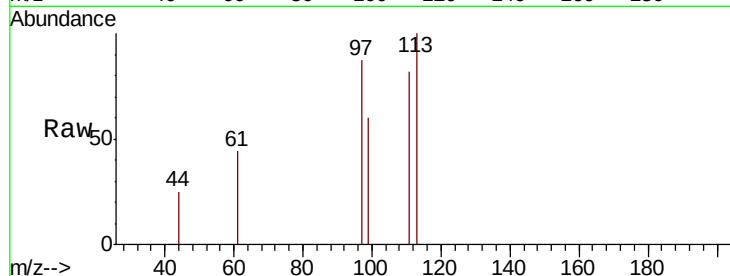
Tot Ion:113 Resp: 1747

Ion Ratio Lower Upper

113 100

111 105.7 83.7 125.5

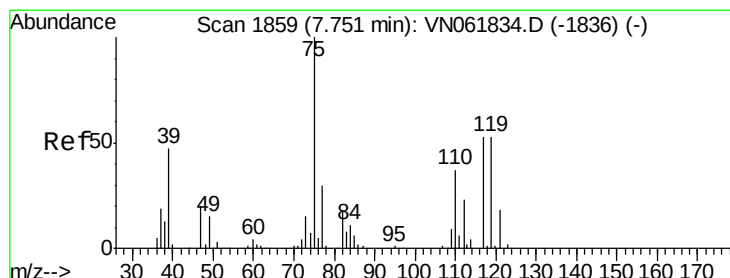
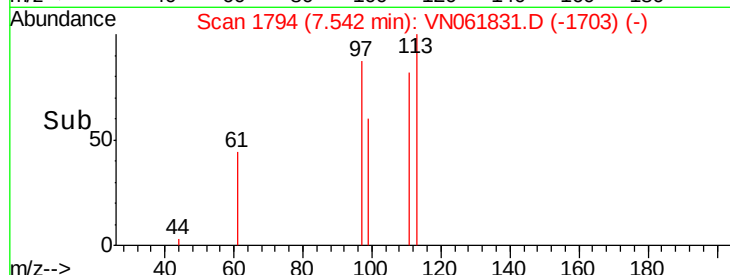
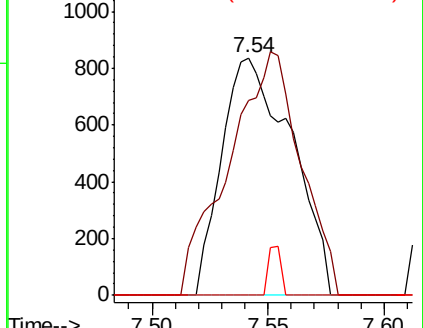
192 3.7 13.9 20.9#



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: 0.996 ug/l

RT: 7.75 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

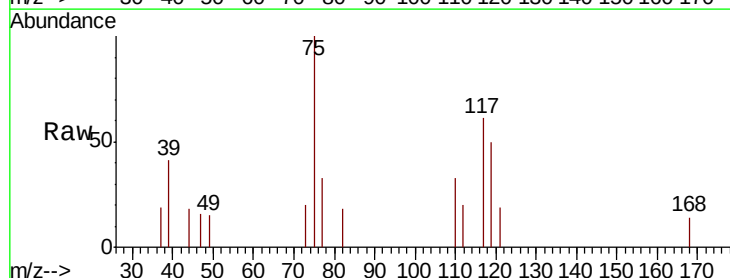
Tgt Ion: 75 Resp: 2597

Ion Ratio Lower Upper

75 100

110 25.2 18.2 54.6

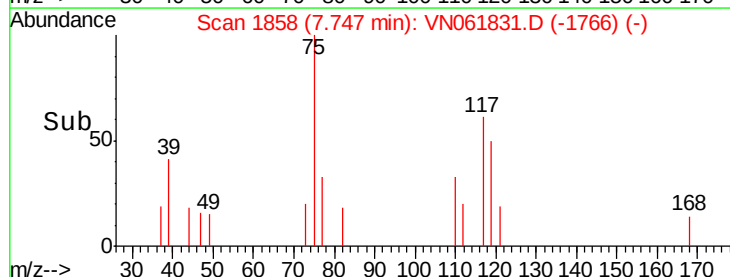
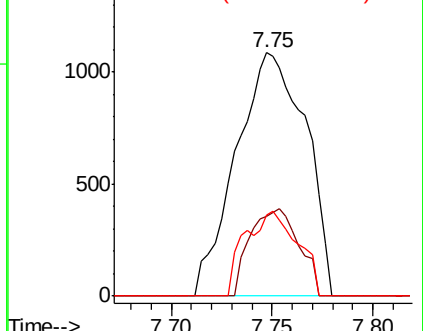
77 26.6 24.2 36.4

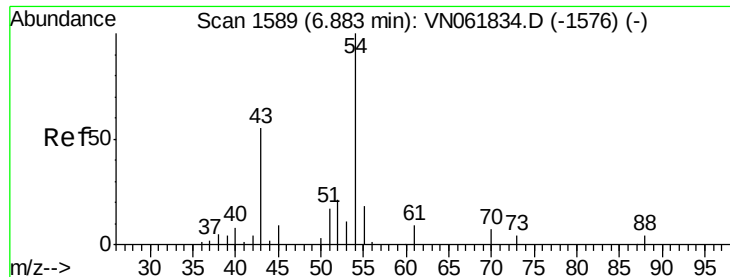


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

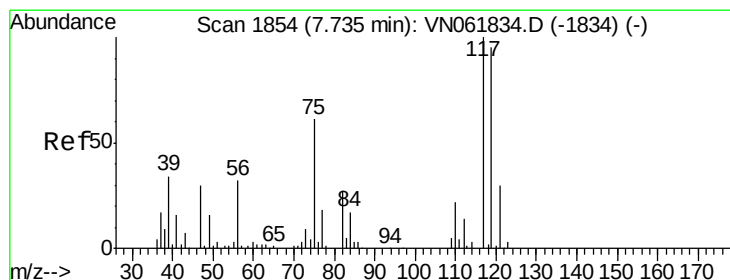
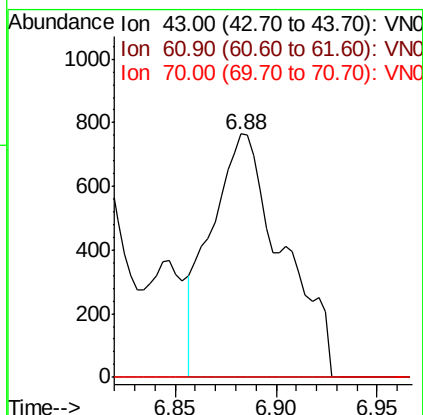
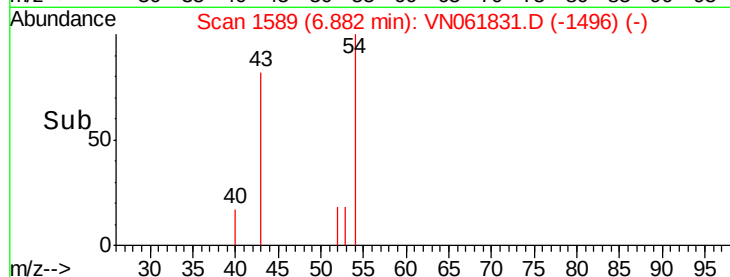
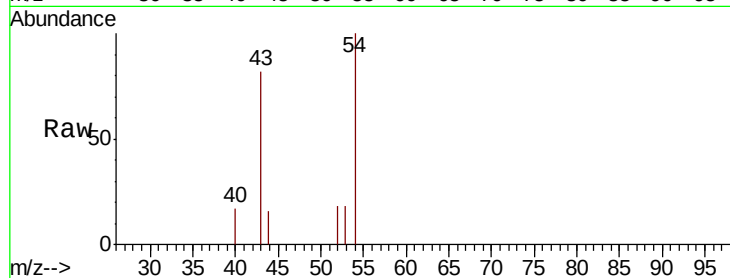




#37
Ethyl Acetate
Concen: 0.909 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN061831.D
Acq: 16 Jun 2020 17:02

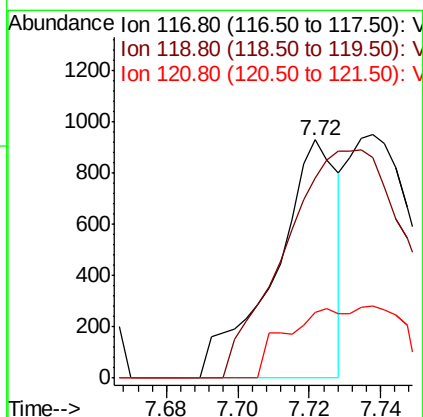
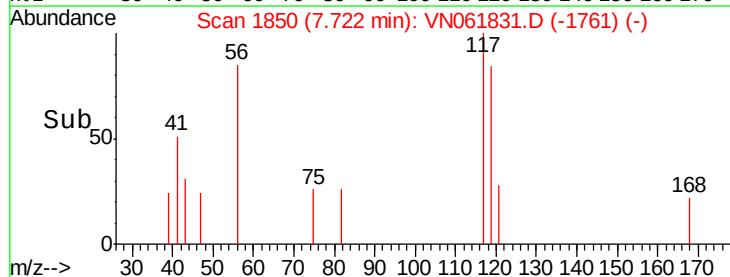
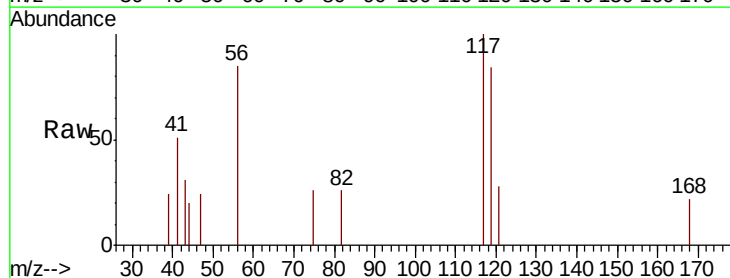
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

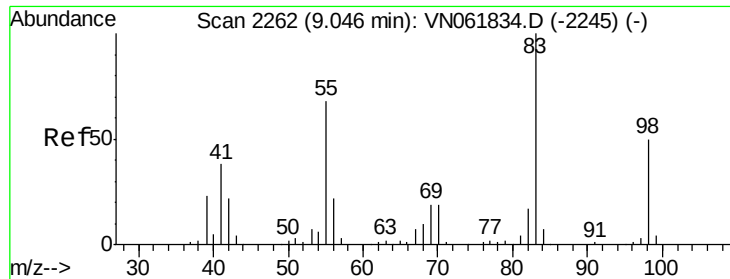
Tot Ion: 43 Resp: 1889
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.4#
70 0.0 9.4 14.2#



#38
Carbon Tetrachloride
Concen: 0.452 ug/l
RT: 7.72 min Scan# 1850
Delta R.T. -0.01 min
Lab File: VN061831.D
Acq: 16 Jun 2020 17:02

Tgt Ion: 117 Resp: 1135
Ion Ratio Lower Upper
117 100
119 84.1 75.8 113.6
121 27.8 23.8 35.6

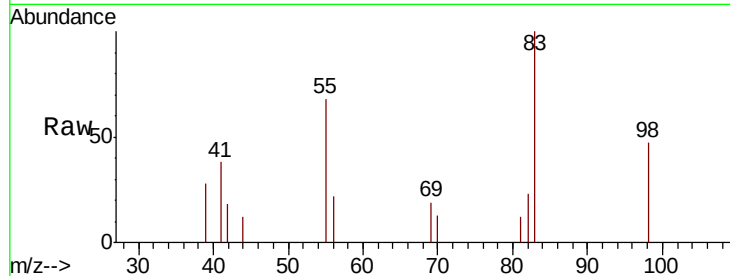




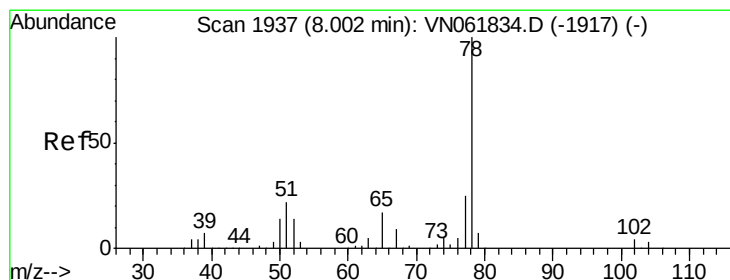
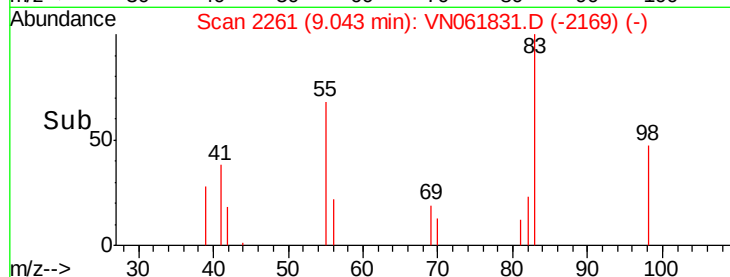
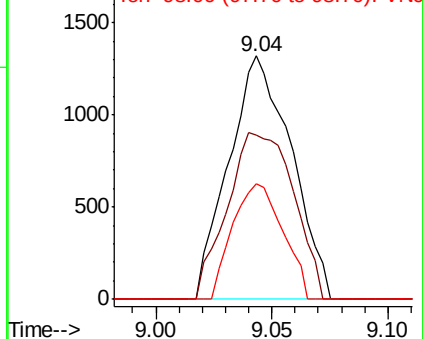
#39
Methylvlcyclohexane
Concen: 0.783 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN061831.D
Acq: 16 Jun 2020 17:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 83 Resp: 2476
Ion Ratio Lower Upper
83 100
55 67.6 54.2 81.4
98 47.3 39.8 59.6

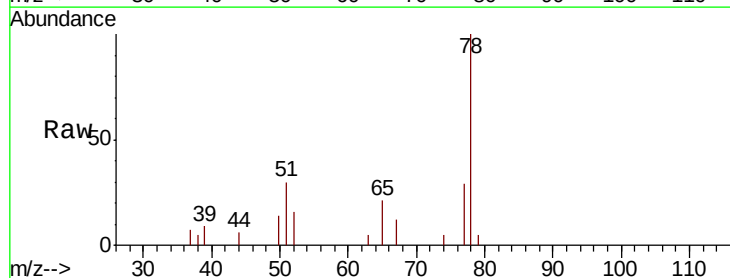


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

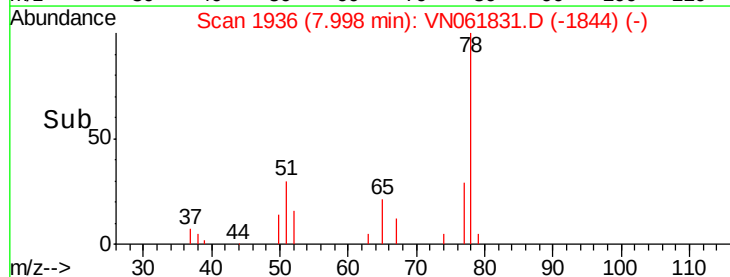
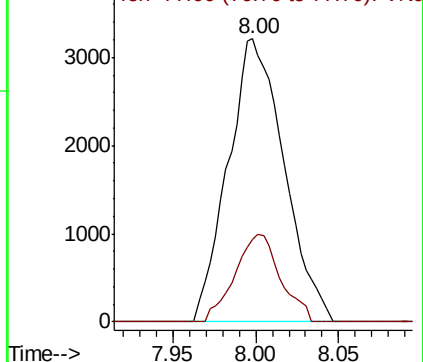


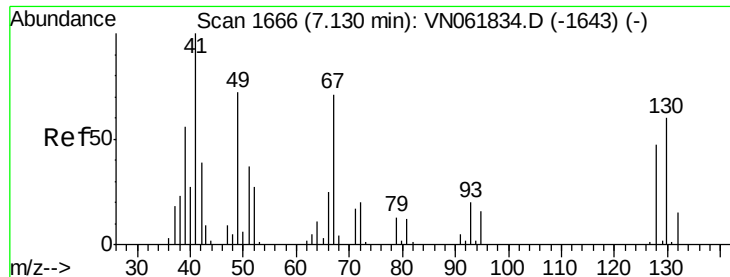
#40
Benzene
Concen: 0.939 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061831.D
Acq: 16 Jun 2020 17:02

Tgt Ion: 78 Resp: 7538
Ion Ratio Lower Upper
78 100
77 29.0 19.7 29.5



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 0.907 ug/l

RT: 7.13 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 41 Resp: 863

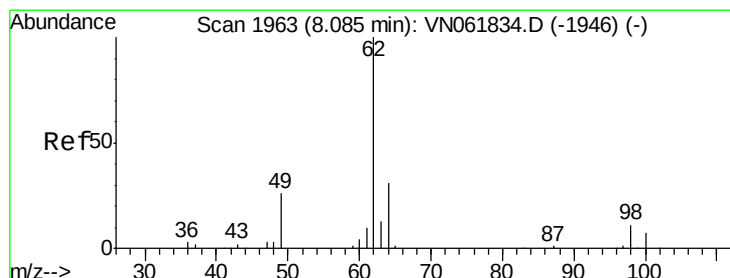
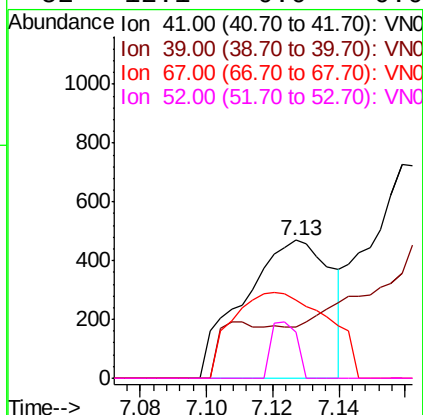
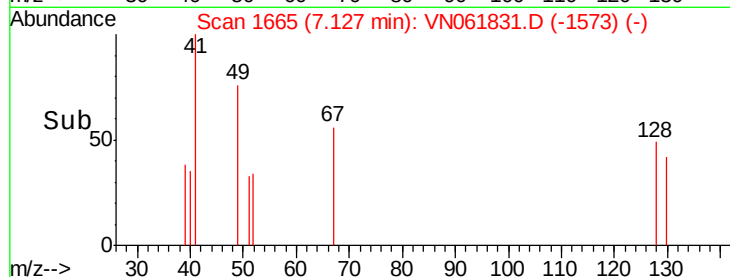
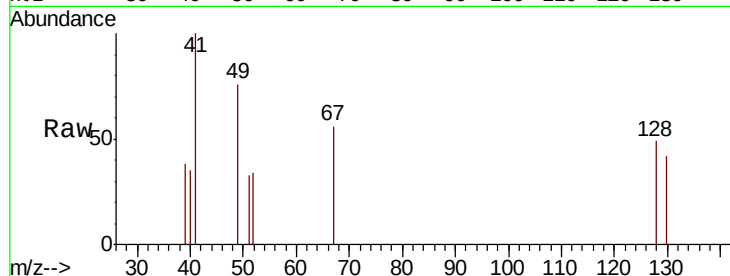
Ion Ratio Lower Upper

41 100

39 20.0 0.0 0.0#

67 67.4 0.0 0.0#

52 12.1 0.0 0.0#



#42

1,2-Dichloroethane

Concen: 0.977 ug/l

RT: 8.08 min Scan# 1962

Delta R.T. -0.00 min

Lab File: VN061831.D

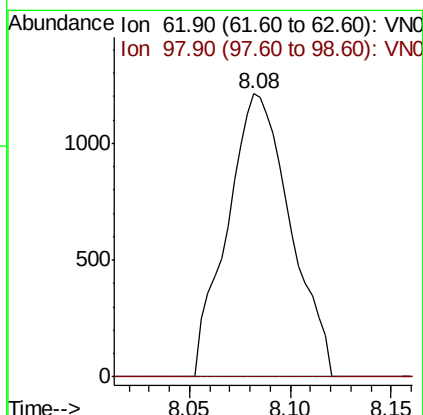
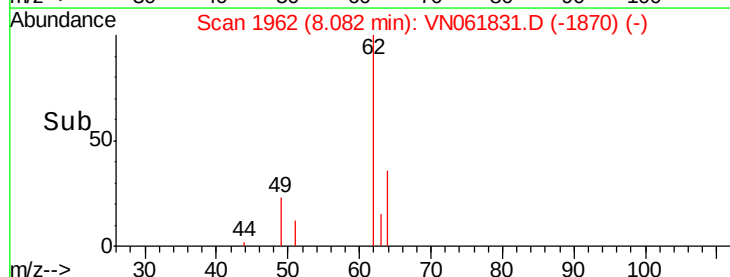
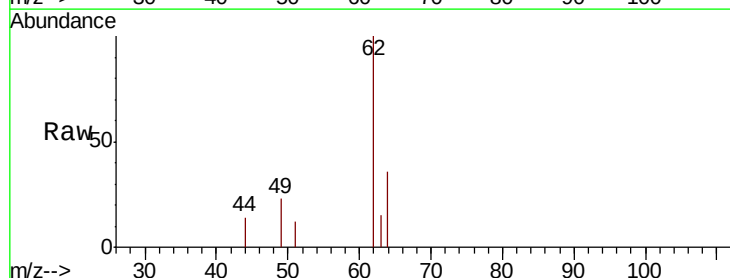
Acq: 16 Jun 2020 17:02

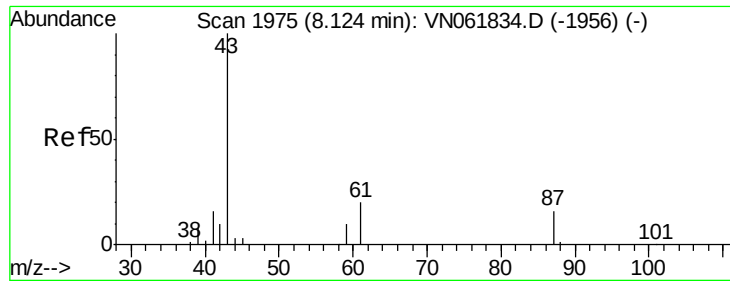
Tgt Ion: 62 Resp: 2635

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.4





#43

Isopropyl Acetate

Concen: 0.754 ug/l

RT: 8.12 min Scan# 1974

Delta R.T. -0.00 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

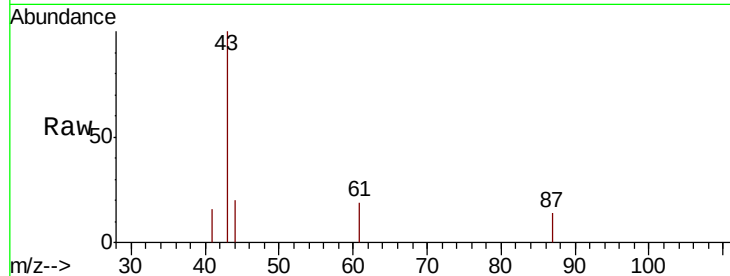
Tot Ion: 43 Resp: 2811

Ion Ratio Lower Upper

43 100

61 8.0 24.0 36.0#

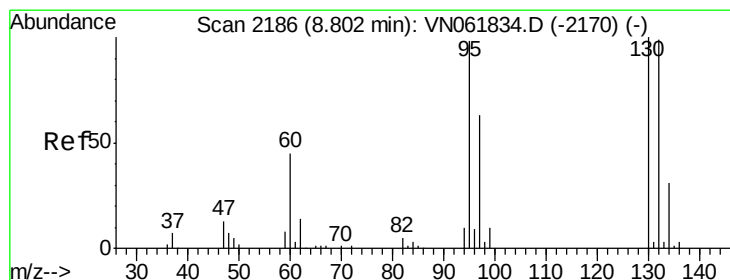
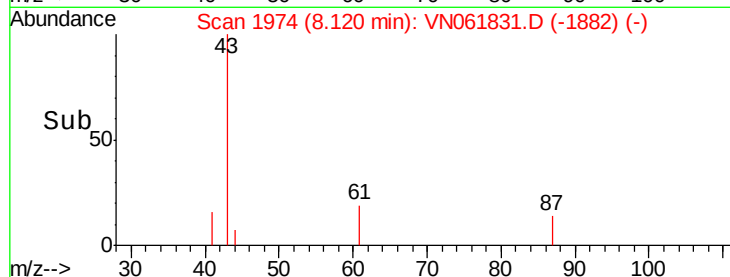
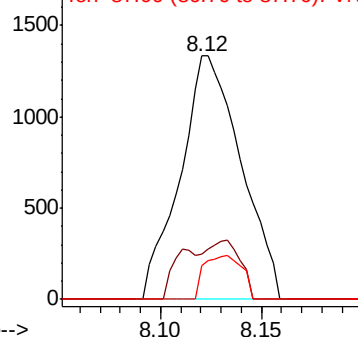
87 0.0 12.5 18.7#



Abundance Ion 43.00 (42.70 to 43.70): VN061831.D (-1956) (-)

Ion 61.00 (60.70 to 61.70): VN061831.D (-1956) (-)

Ion 87.00 (86.70 to 87.70): VN061831.D (-1956) (-)



#44

Trichloroethene

Concen: 0.845 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061831.D

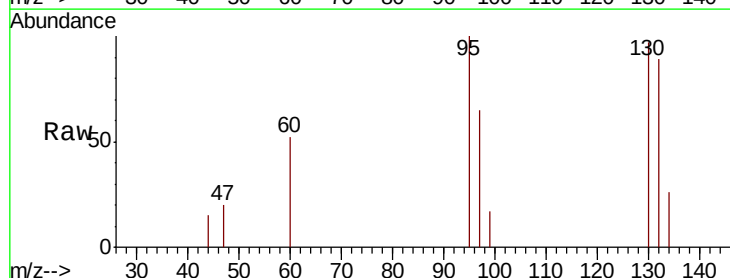
Acq: 16 Jun 2020 17:02

Tgt Ion: 130 Resp: 2020

Ion Ratio Lower Upper

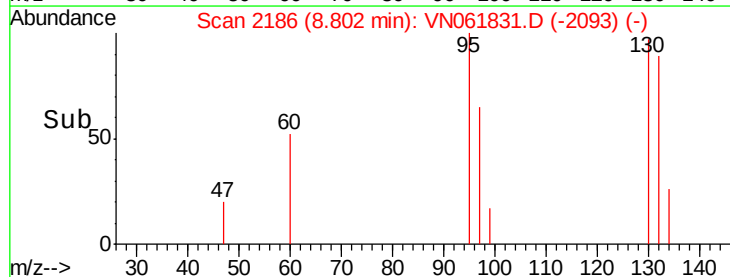
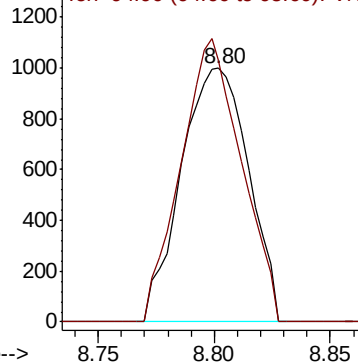
130 100

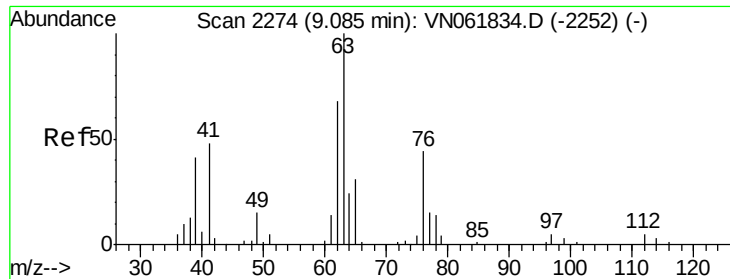
95 103.0 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): VN061831.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN061831.D (-2093) (-)

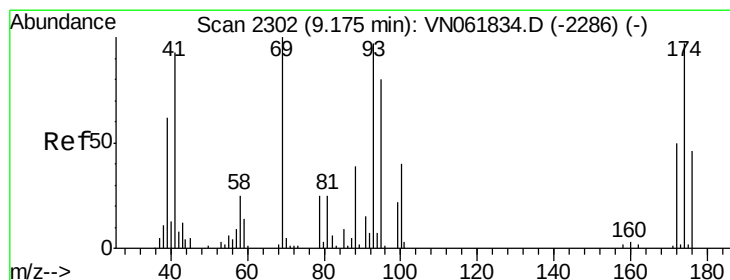
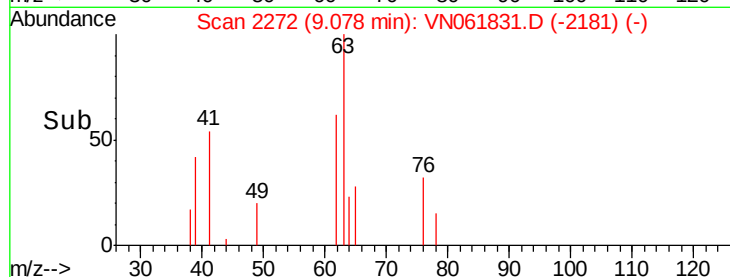
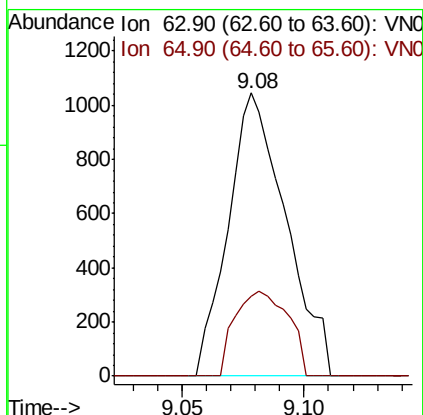
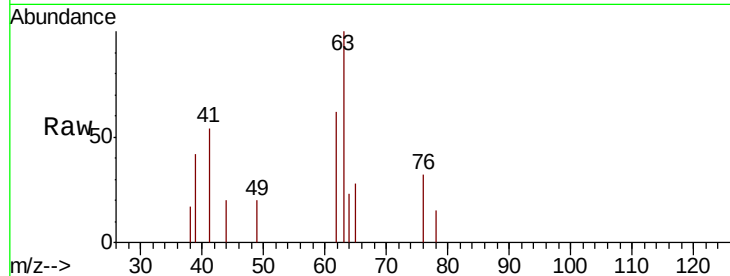




#45
 1,2-Dichloropropane
 Concen: 0.893 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: VN061831.D
 Acq: 16 Jun 2020 17:02

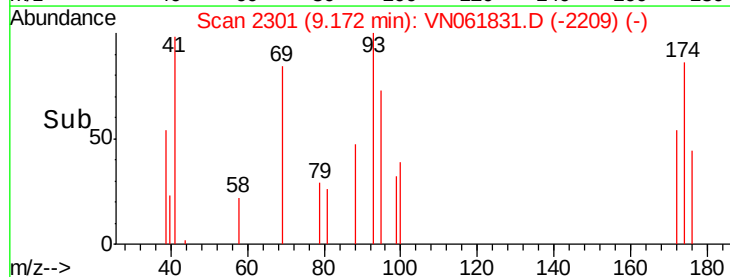
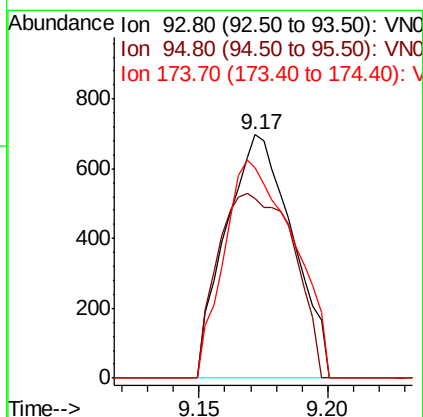
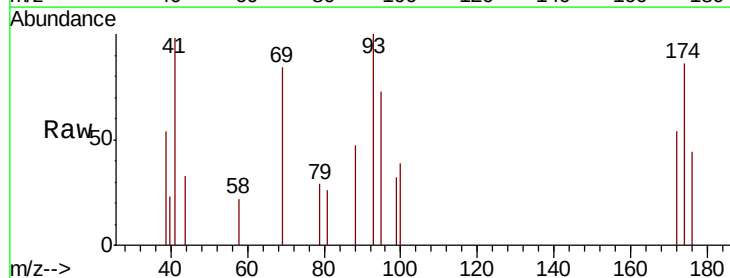
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

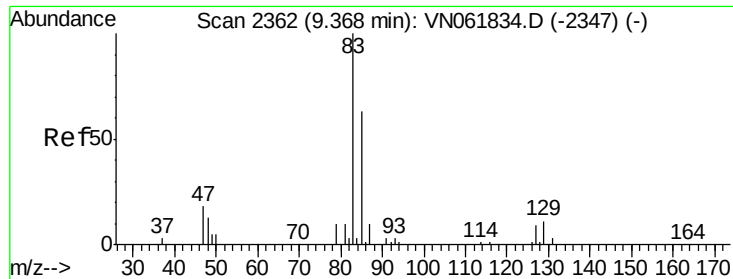
Tot Ion: 63 Resp: 1713
 Ion Ratio Lower Upper
 63 100
 65 28.2 25.1 37.7



#46
 Dibromomethane
 Concen: 0.863 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN061831.D
 Acq: 16 Jun 2020 17:02

Tgt Ion: 93 Resp: 1253
 Ion Ratio Lower Upper
 93 100
 95 86.7 65.8 98.6
 174 93.6 78.5 117.7





#47

Bromodichloromethane

Concen: 0.915 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

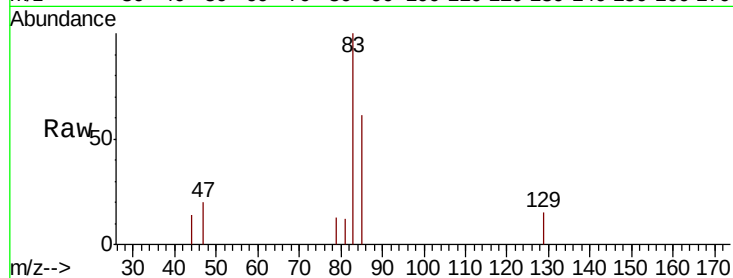
Tot Ion: 83 Resp: 2633

Ion Ratio Lower Upper

83 100

85 61.3 50.8 76.2

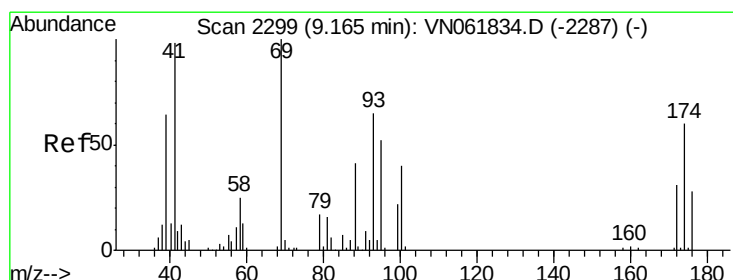
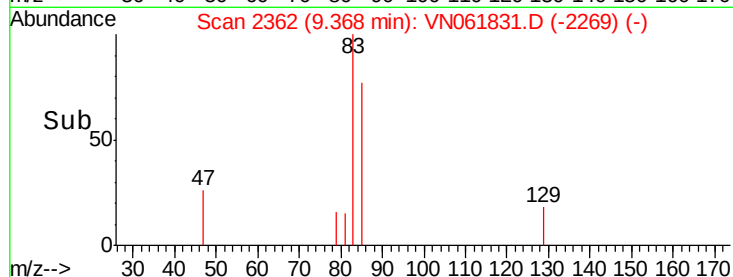
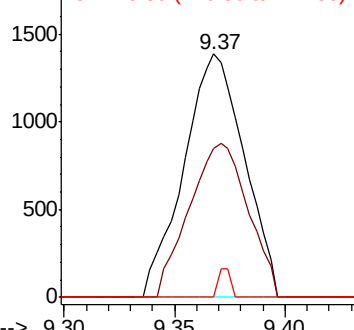
127 0.0 7.0 10.4#



Abundance Ion 82.90 (82.60 to 83.60): VN061831.D (-2347) (-)

Ion 84.90 (84.60 to 85.60): VN061831.D (-2347) (-)

Ion 126.80 (126.50 to 127.50): VN061831.D (-2347) (-)



#48

Methyl methacrylate

Concen: 0.495 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.00 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

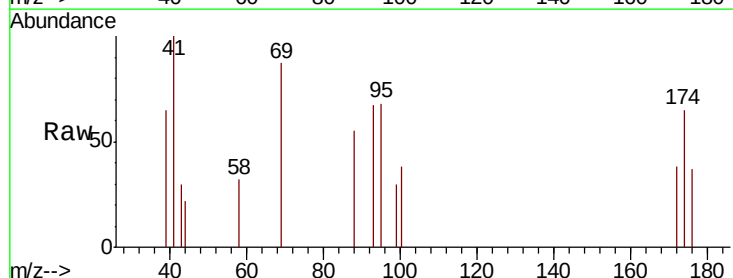
Tgt Ion: 41 Resp: 834

Ion Ratio Lower Upper

41 100

69 134.3 83.0 124.4#

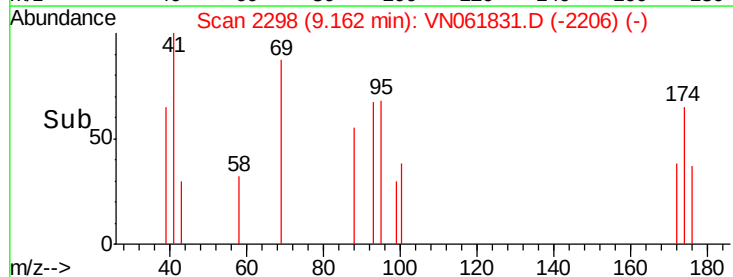
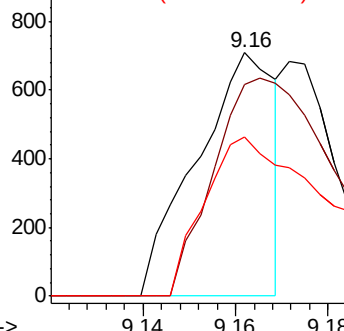
39 101.9 55.1 82.7#

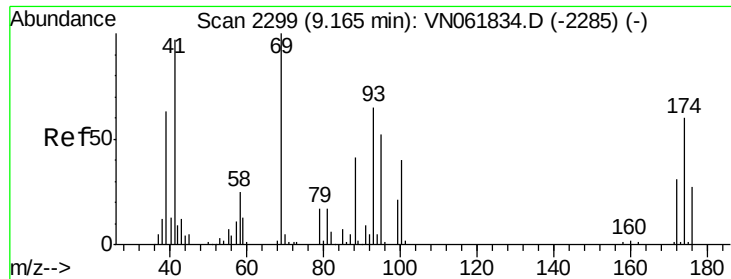


Abundance Ion 41.00 (40.70 to 41.70): VN061831.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061831.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061831.D (-2206) (-)





#49

1,4-Dioxane

Concen: 20.918 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.00 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

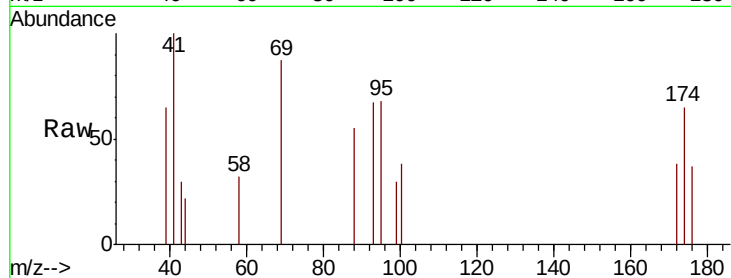
Tot Ion: 88 Resp: 592

Ion Ratio Lower Upper

88 100

43 23.6 23.4 35.2

58 19.9 49.8 74.6#

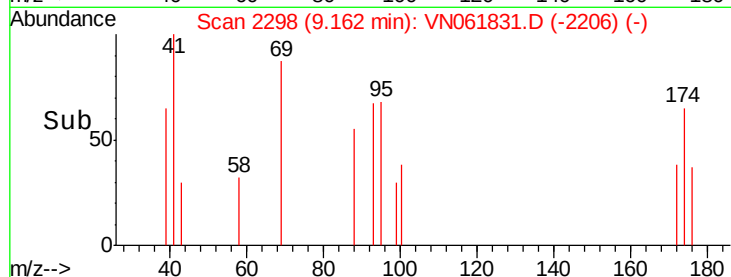


Abundance Ion 88.00 (87.70 to 88.70): VN061831.D (-2285) (-)

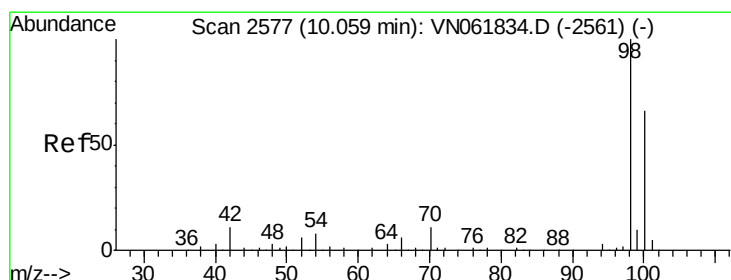
Ion 43.00 (42.70 to 43.70): VN061831.D (-2285) (-)

Ion 58.00 (57.70 to 58.70): VN061831.D (-2285) (-)

Time-->



Time-->



#50

Toluene-d8

Concen: 1.046 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061831.D

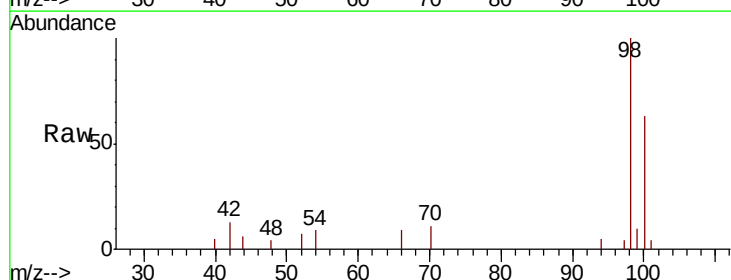
Acq: 16 Jun 2020 17:02

Tgt Ion: 98 Resp: 7181

Ion Ratio Lower Upper

98 100

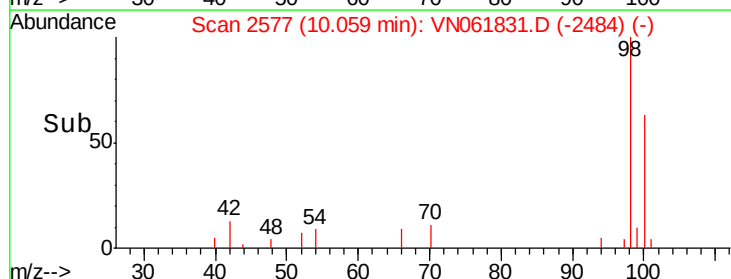
100 67.4 52.7 79.1



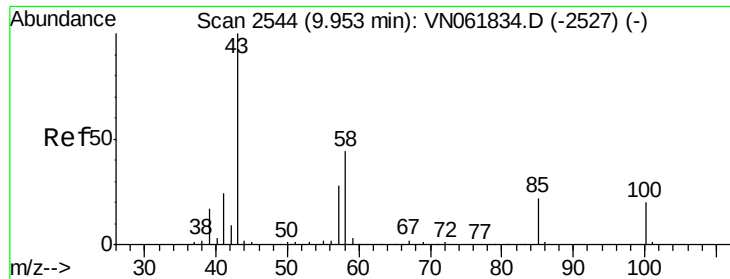
Abundance Ion 98.00 (97.70 to 98.70): VN061831.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN061831.D (-2561) (-)

Time-->



Time-->



#51

4-Methyl-2-Pentanone

Concen: 3.765 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

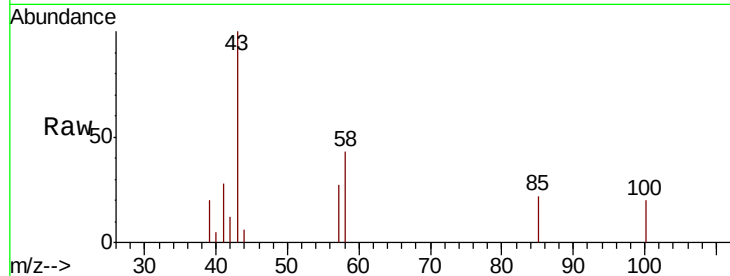
VSTDIC001

Tot Ion: 43 Resp: 7941

Ion Ratio Lower Upper

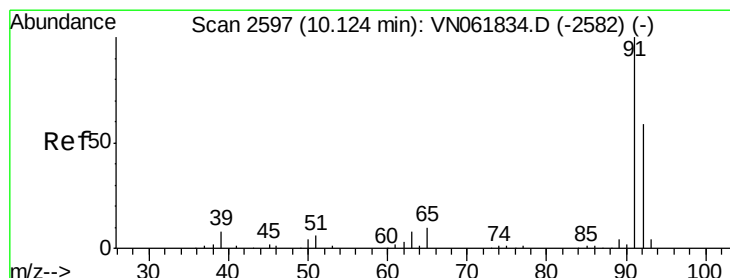
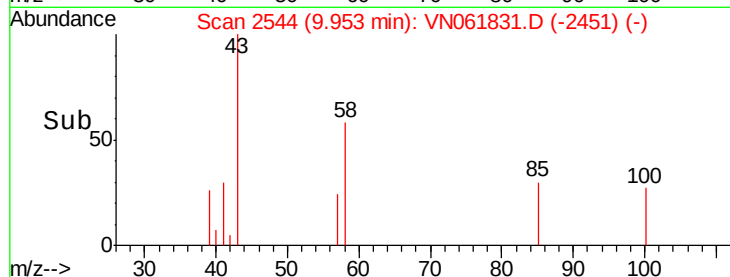
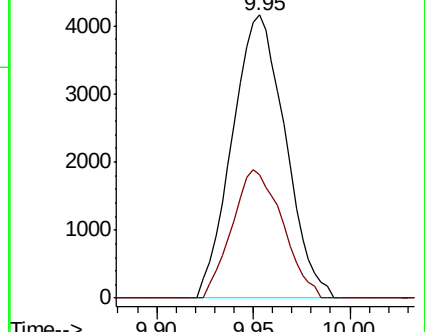
43 100

58 43.2 34.6 52.0



Abundance Ion 43.00 (42.70 to 43.70): VN061831.D (-2527) (-)

Ion 58.00 (57.70 to 58.70): VN061831.D (-2527) (-)



#52

Toluene

Concen: 0.788 ug/l

RT: 10.12 min Scan# 2596

Delta R.T. -0.00 min

Lab File: VN061831.D

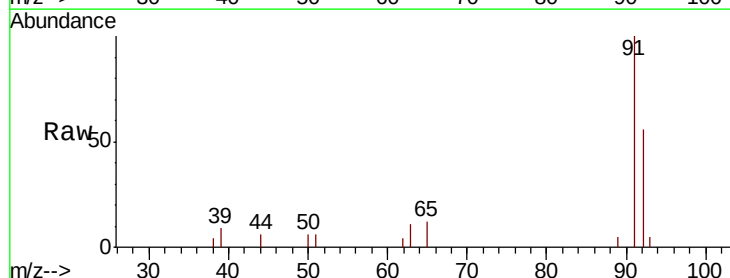
Acq: 16 Jun 2020 17:02

Tgt Ion: 92 Resp: 4113

Ion Ratio Lower Upper

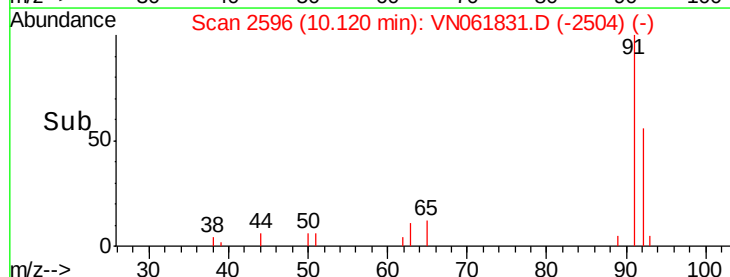
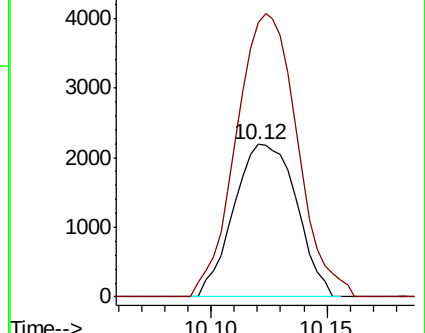
92 100

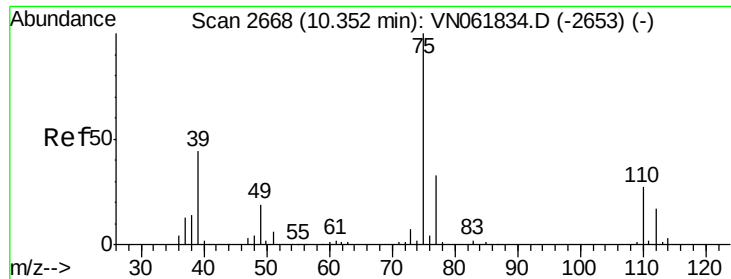
91 180.7 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN061831.D (-2596) (-)

Ion 91.00 (90.70 to 91.70): VN061831.D (-2596) (-)





#53

t-1,3-Dichloropropene

Concen: 0.783 ug/l

RT: 10.36 min Scan# 2670

Delta R.T. 0.01 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

Instrument :

MSVOA_N

ClientSampled :

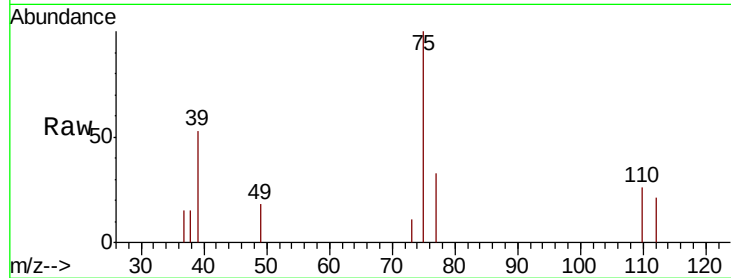
VSTDIC001

Tot Ion: 75 Resp: 2427

Ion Ratio Lower Upper

75 100

77 32.8 26.3 39.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.36

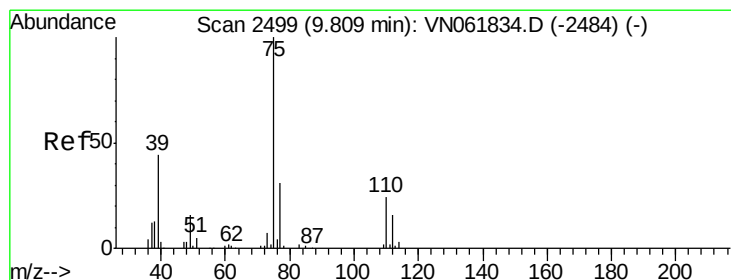
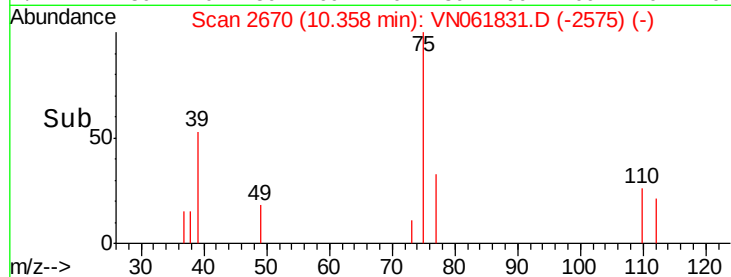
1500

1000

500

0

Time--> 10.30 10.35 10.40



#54

cis-1,3-Dichloropropene

Concen: 0.836 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

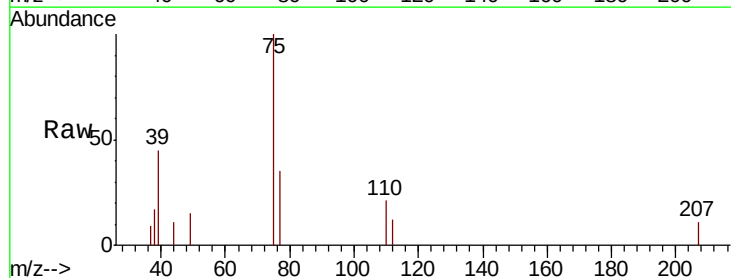
Tgt Ion: 75 Resp: 2798

Ion Ratio Lower Upper

75 100

77 34.7 24.8 37.2

39 44.5 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.81

2000

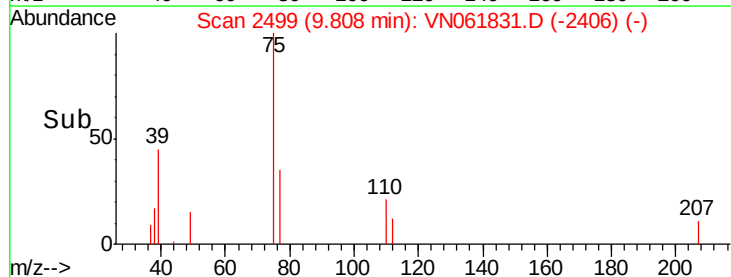
1500

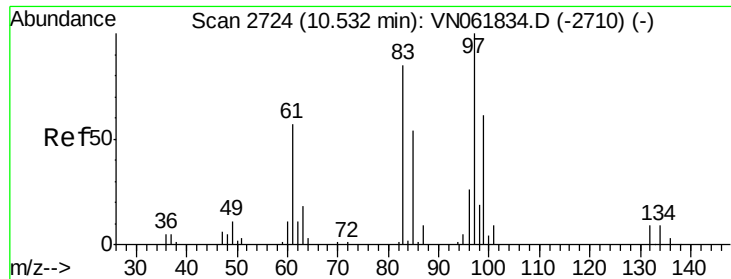
1000

500

0

Time--> 9.75 9.80 9.85

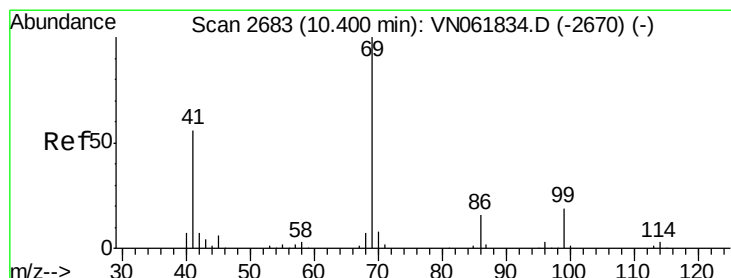
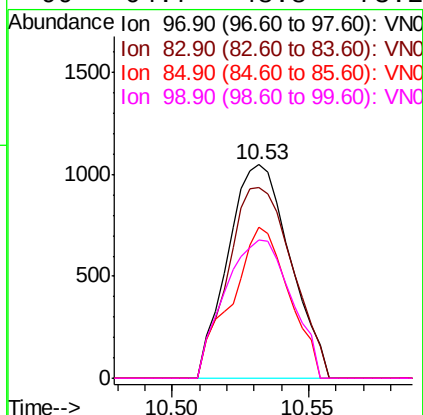
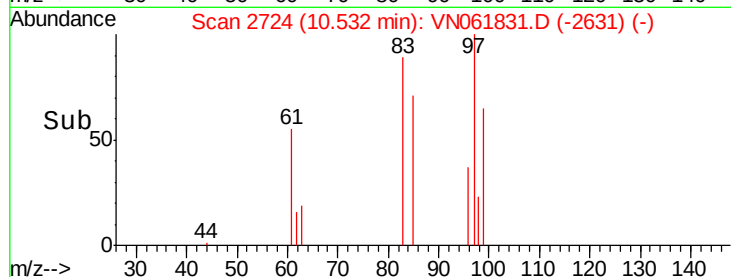
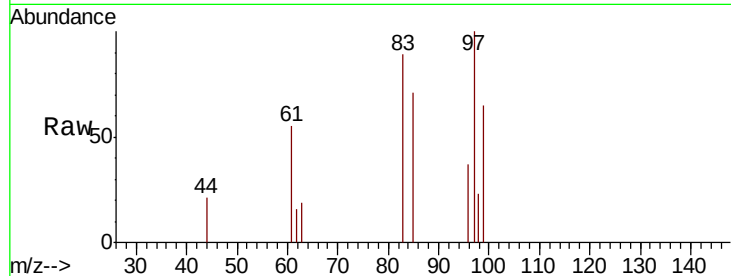




#55
1,1,2-Trichloroethane
Concen: 0.804 ug/l
RT: 10.53 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VN061831.D
Acq: 16 Jun 2020 17:02

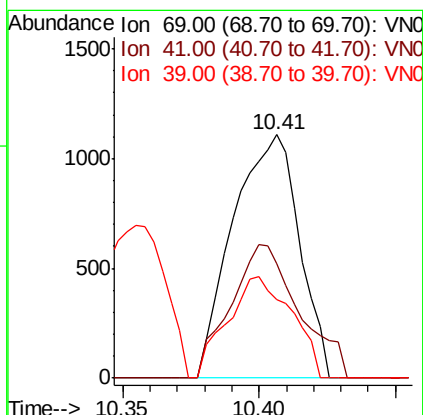
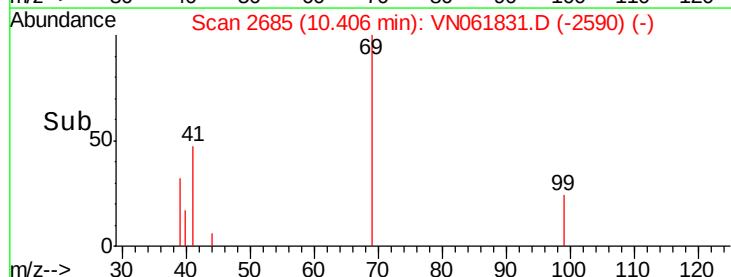
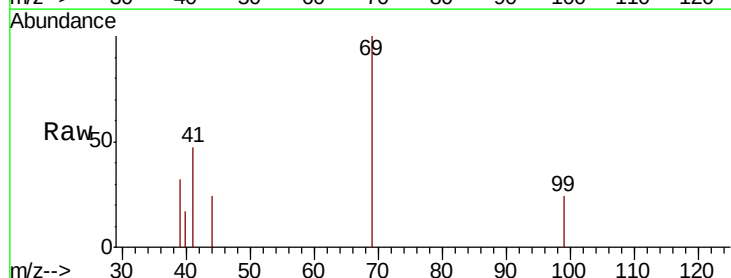
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

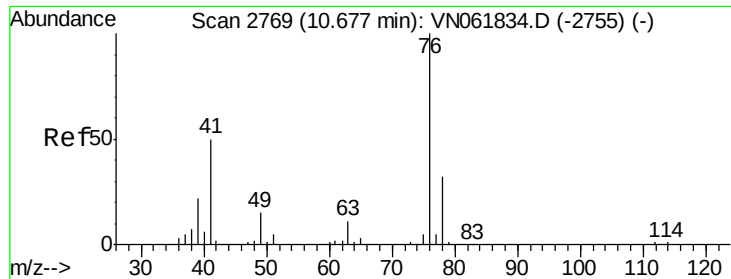
Tot Ion: 97 Resp: 1668
Ion Ratio Lower Upper
97 100
83 89.2 67.7 101.5
85 70.8 43.4 65.0#
99 64.7 48.8 73.2



#56
Ethyl methacrylate
Concen: 0.651 ug/l
RT: 10.41 min Scan# 2685
Delta R.T. 0.01 min
Lab File: VN061831.D
Acq: 16 Jun 2020 17:02

Tgt Ion: 69 Resp: 1871
Ion Ratio Lower Upper
69 100
41 56.5 44.9 67.3
39 40.6 30.0 45.0

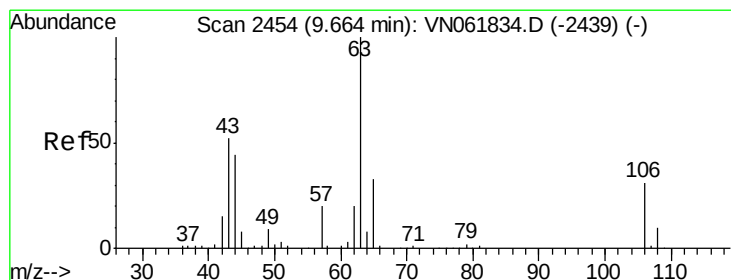
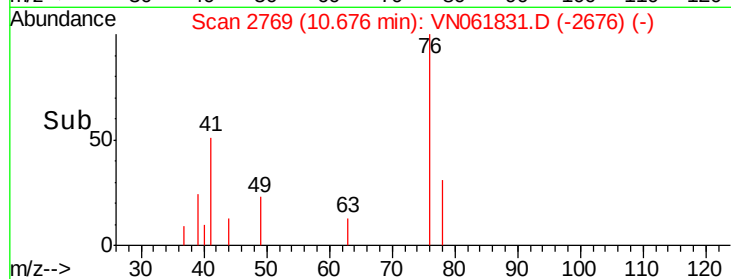
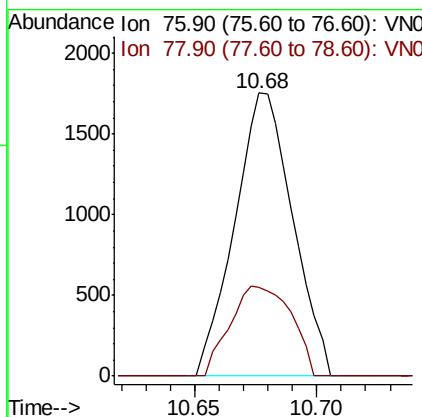
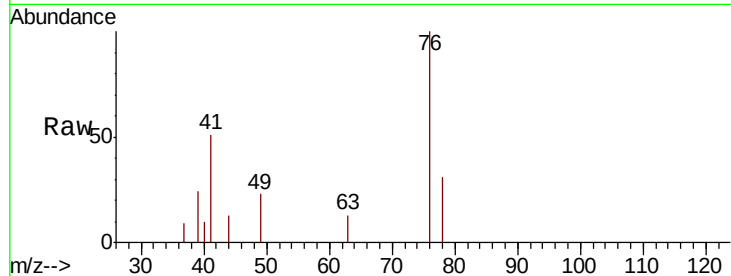




#57
 1,3-Dichloropropane
 Concen: 0.864 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061831.D
 Acq: 16 Jun 2020 17:02

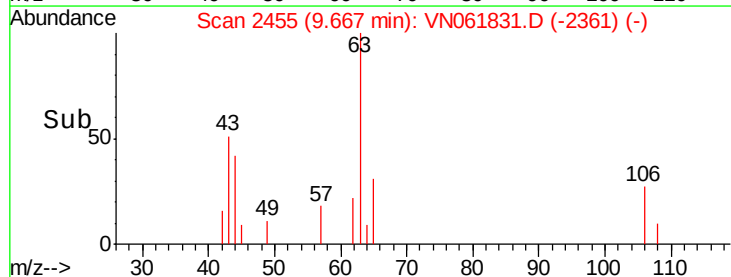
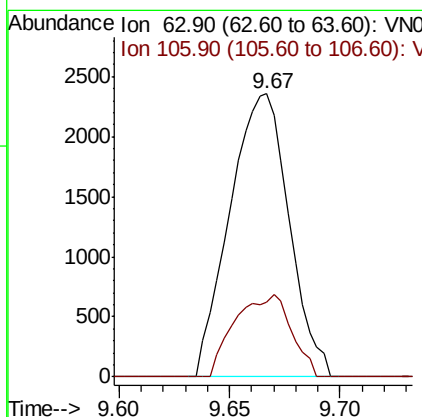
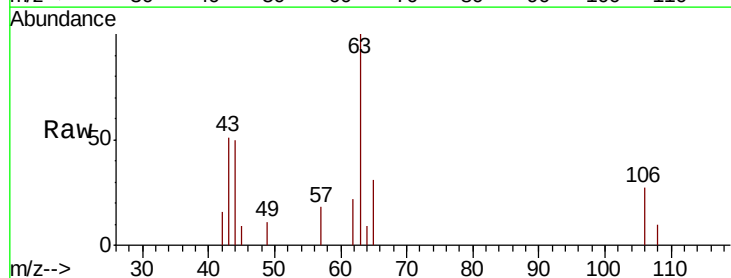
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

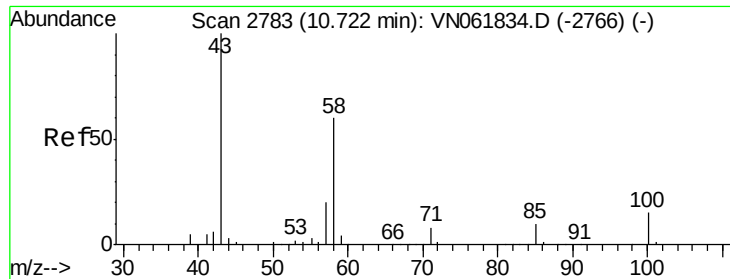
Tot Ion: 76 Resp: 2886
 Ion Ratio Lower Upper
 76 100
 78 33.7 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 3.620 ug/l
 RT: 9.67 min Scan# 2455
 Delta R.T. 0.00 min
 Lab File: VN061831.D
 Acq: 16 Jun 2020 17:02

Tgt Ion: 63 Resp: 4377
 Ion Ratio Lower Upper
 63 100
 106 27.8 24.6 36.8





#59

2-Hexanone

Concen: 3.619 ug/l

RT: 10.72 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

Instrument :

MSVOA_N

ClientSampled :

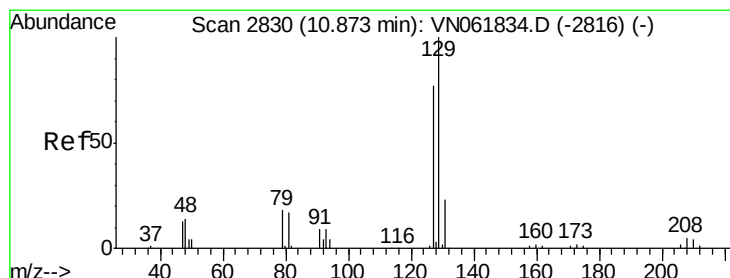
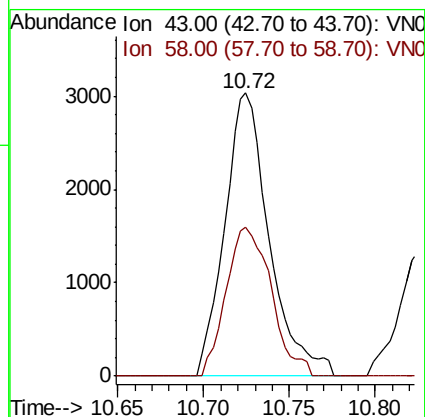
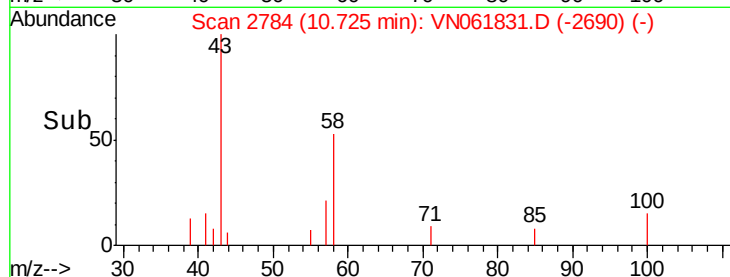
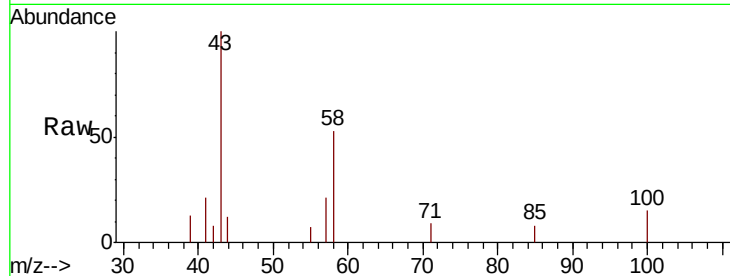
VSTDIC001

Tot Ion: 43 Resp: 5483

Ion Ratio Lower Upper

43 100

58 53.3 30.1 90.5



#60

Dibromochloromethane

Concen: 0.821 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. -0.00 min

Lab File: VN061831.D

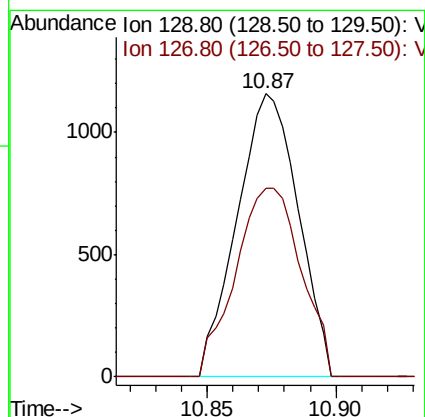
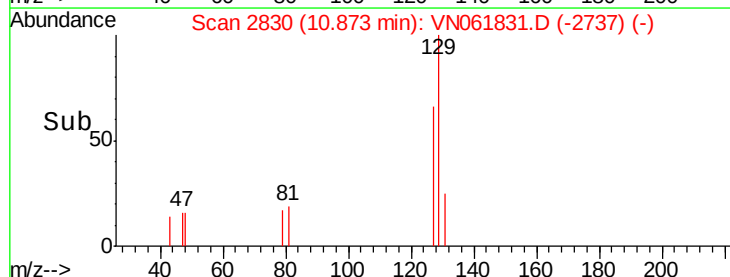
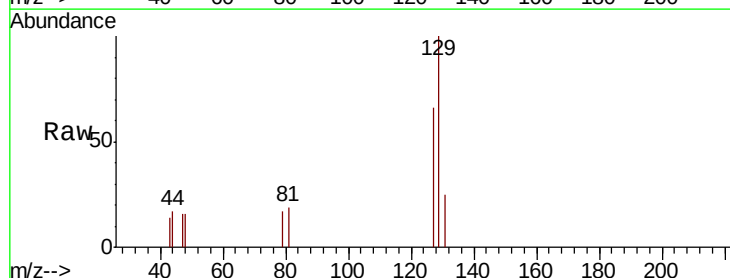
Acq: 16 Jun 2020 17:02

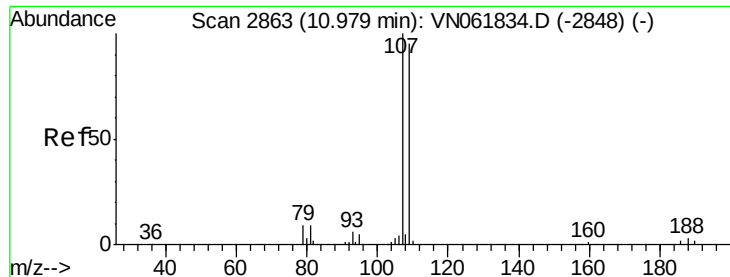
Tgt Ion: 129 Resp: 1916

Ion Ratio Lower Upper

129 100

127 71.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 0.823 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

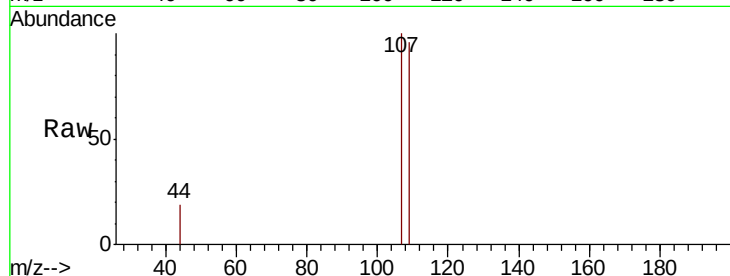
VSTDIC001

Tot Ion:107 Resp: 1773

Ion Ratio Lower Upper

107 100

109 98.3 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.98

1200

1000

800

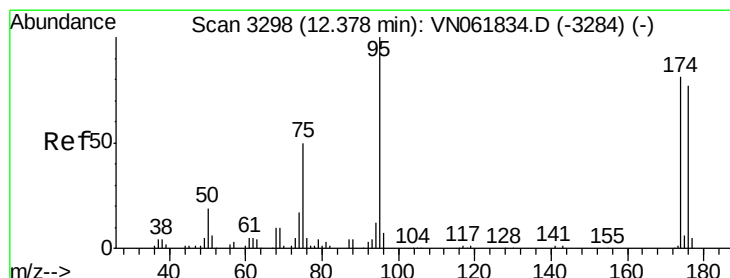
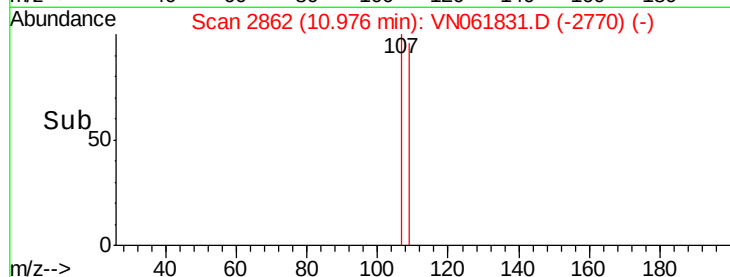
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 0.970 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

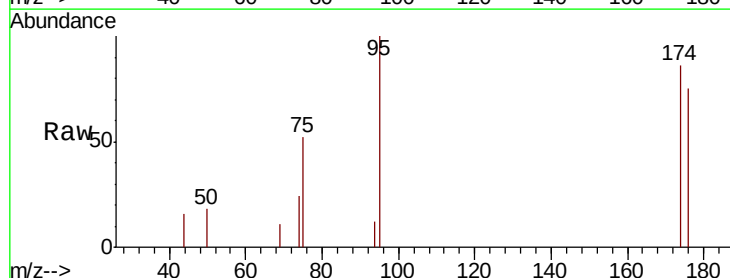
Tgt Ion: 95 Resp: 2415

Ion Ratio Lower Upper

95 100

174 84.4 0.0 158.6

176 80.9 0.0 152.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

2000

1500

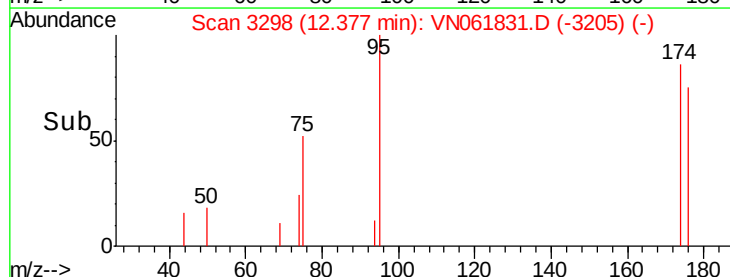
1200

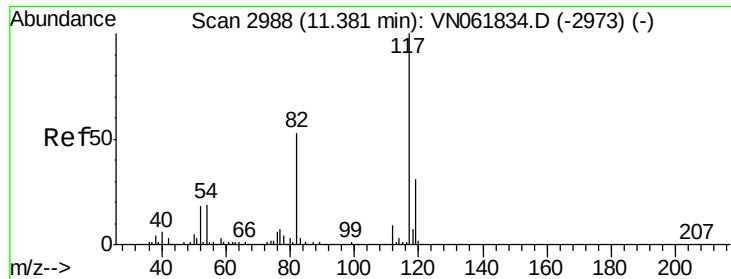
1000

500

0

Time-->

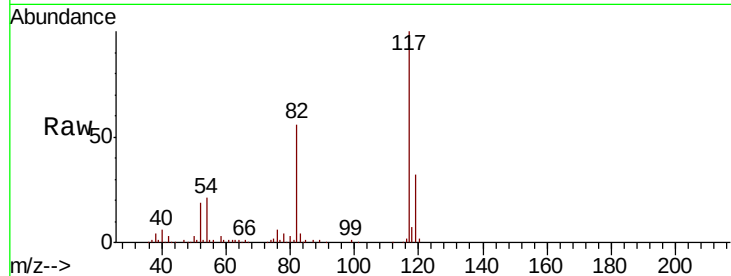




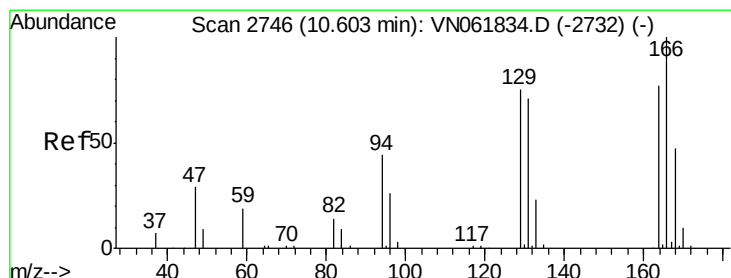
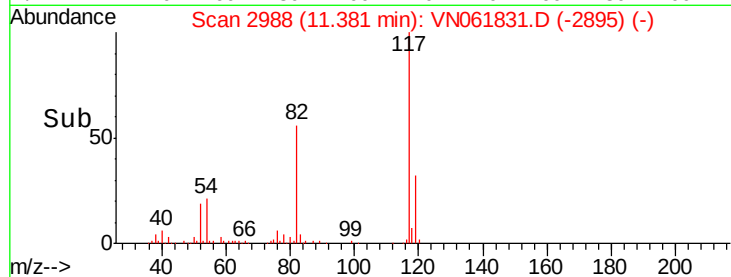
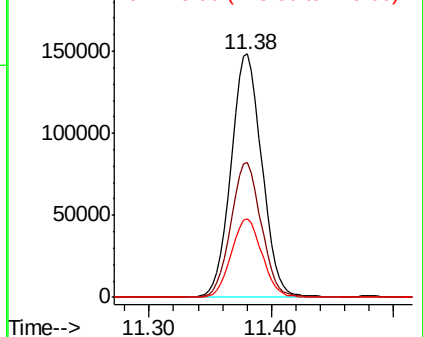
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061831.D
Acq: 16 Jun 2020 17:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 261414
Ion Ratio Lower Upper
117 100
82 55.5 42.6 64.0
119 32.5 24.7 37.1

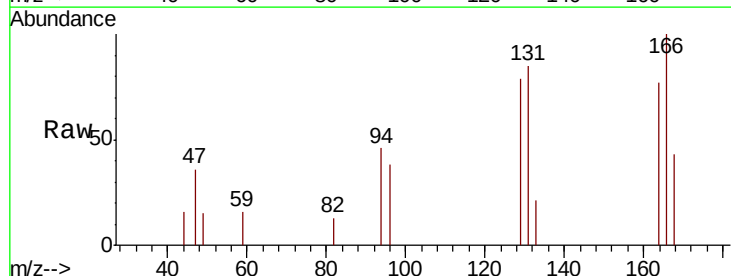


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

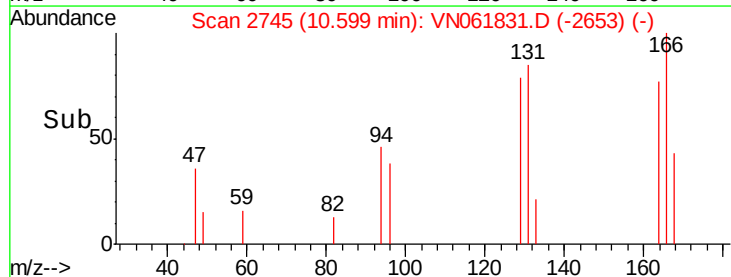
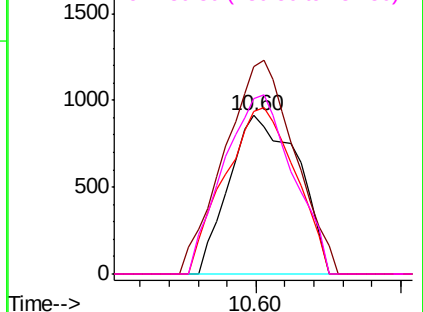


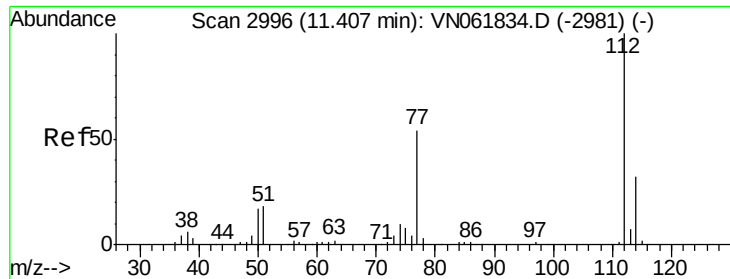
#64
Tetrachloroethene
Concen: 0.643 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN061831.D
Acq: 16 Jun 2020 17:02

Tgt Ion:164 Resp: 1504
Ion Ratio Lower Upper
164 100
166 130.6 103.5 155.3
129 102.7 77.5 116.3
131 110.7 73.8 110.8



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

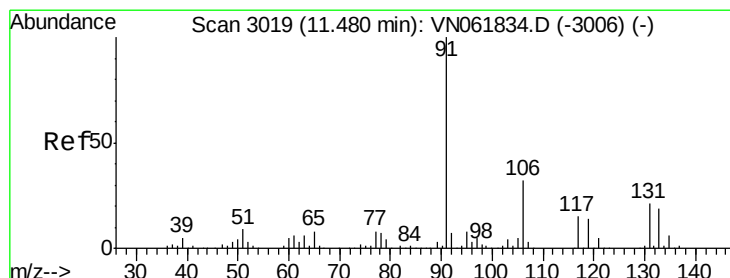
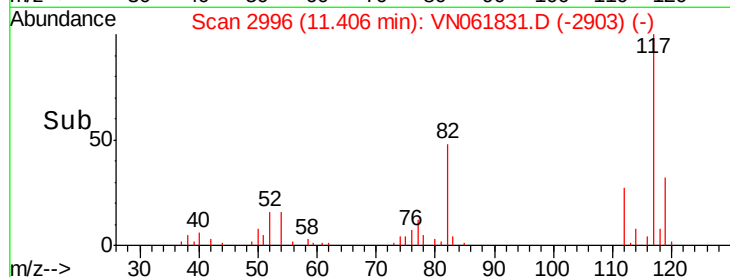
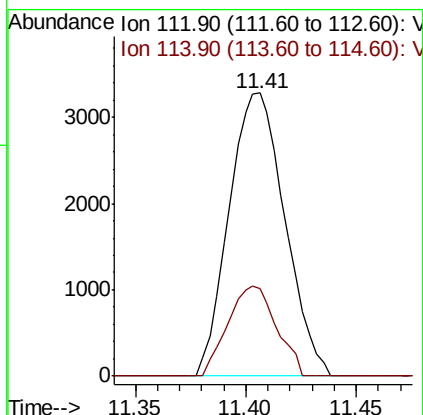
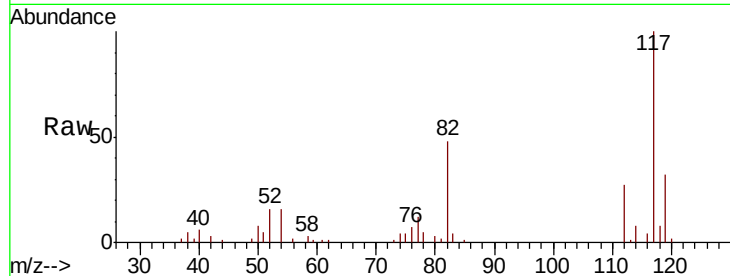




#65
Chlorobenzene
Concen: 1.054 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061831.D
Acq: 16 Jun 2020 17:02

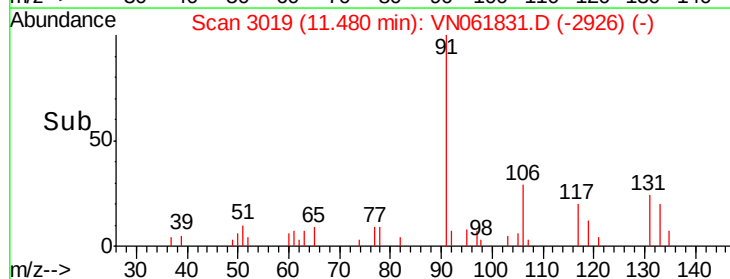
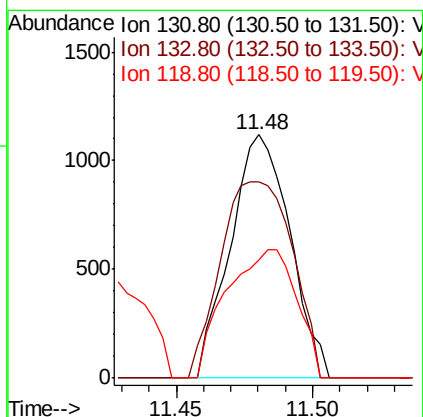
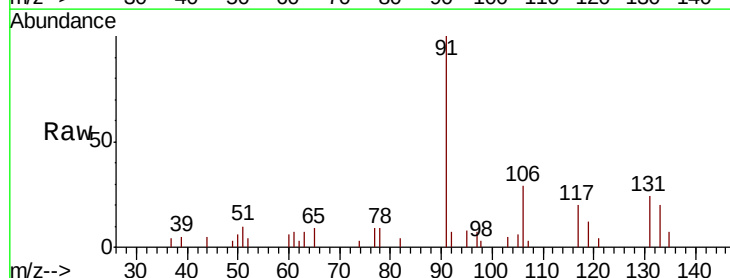
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

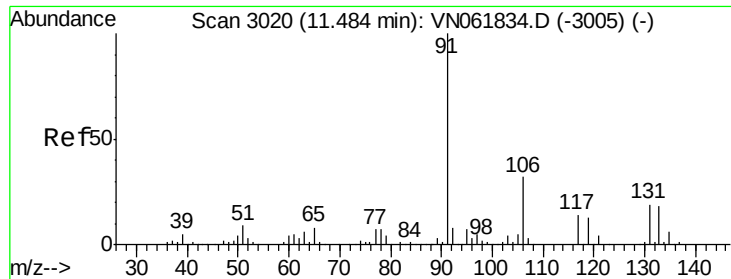
Tot Ion:112 Resp: 5746
Ion Ratio Lower Upper
112 100
114 31.1 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 0.841 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061831.D
Acq: 16 Jun 2020 17:02

Tgt Ion:131 Resp: 1697
Ion Ratio Lower Upper
131 100
133 97.7 47.5 142.5
119 0.0 34.0 101.8#

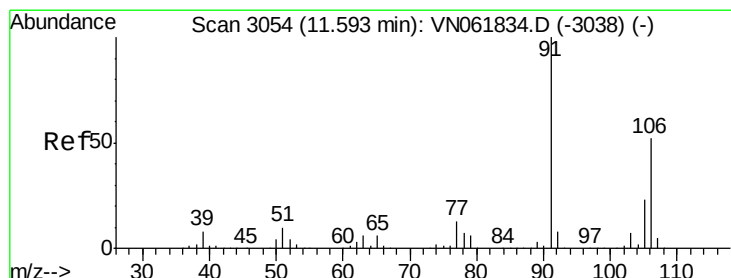
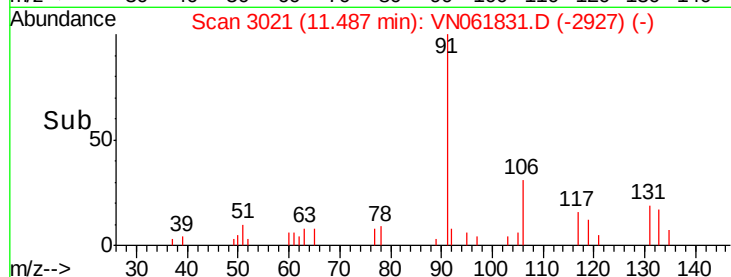
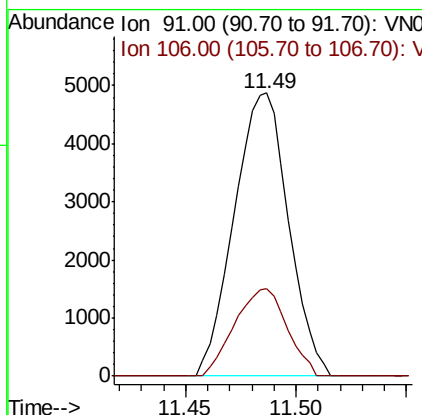
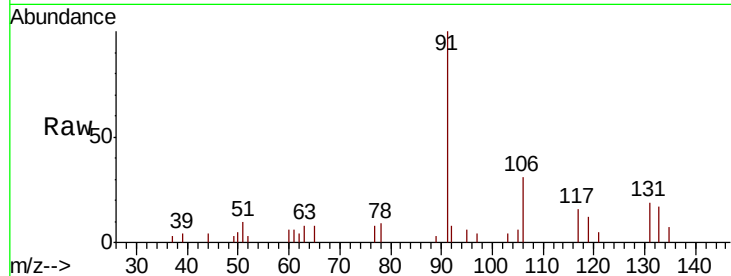




#67
Ethyl Benzene
Concen: 0.881 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. 0.00 min
Lab File: VN061831.D
Acq: 16 Jun 2020 17:02

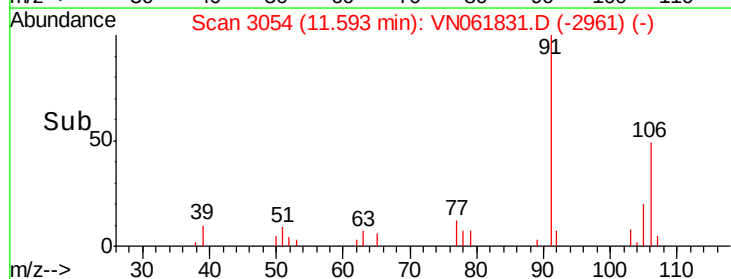
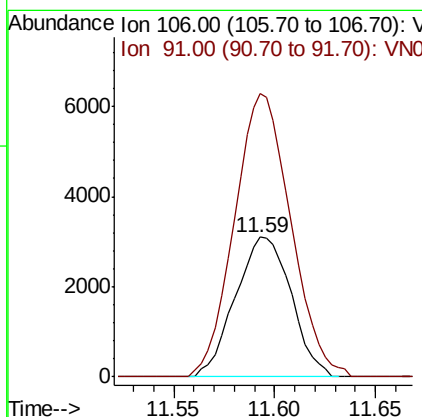
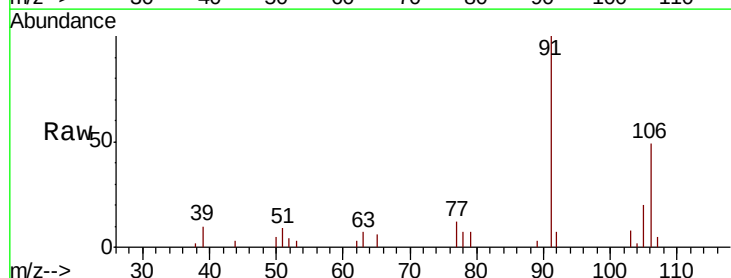
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

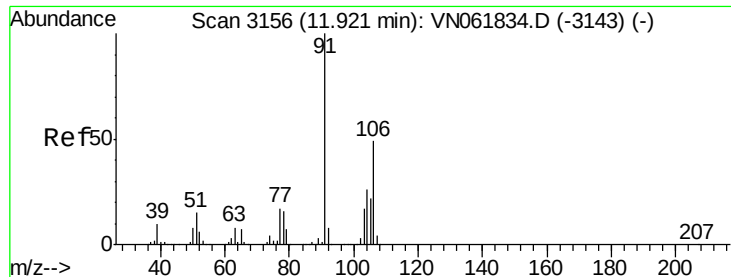
Tot Ion: 91 Resp: 8315
Ion Ratio Lower Upper
91 100
106 31.1 25.4 38.2



#68
m/p-Xylenes
Concen: 1.609 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061831.D
Acq: 16 Jun 2020 17:02

Tgt Ion: 106 Resp: 6001
Ion Ratio Lower Upper
106 100
91 204.4 157.0 235.6

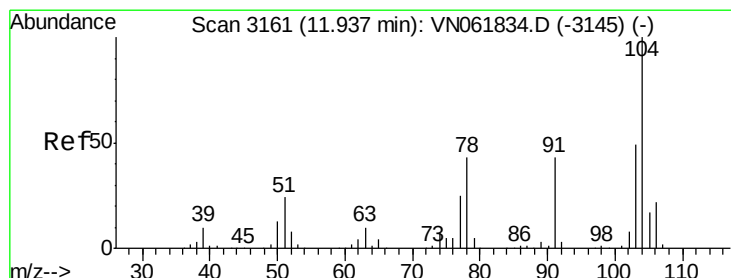
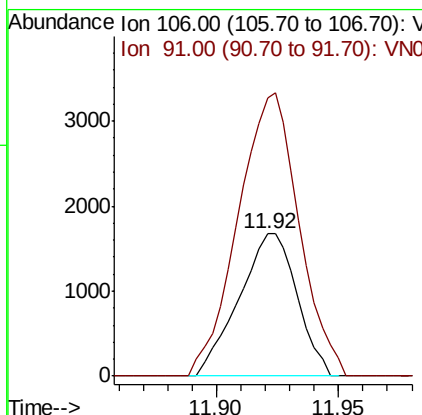
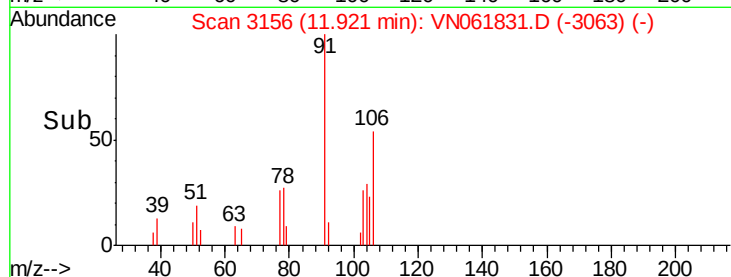
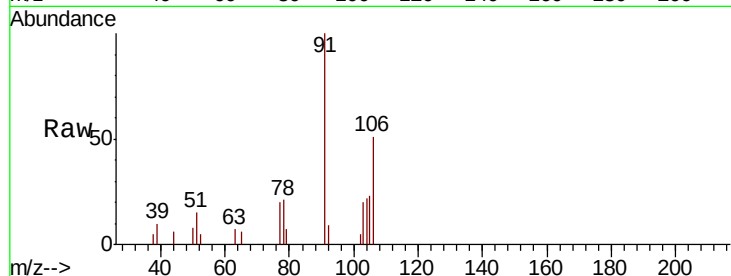




#69
o-Xylene
Concen: 0.779 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061831.D
Acq: 16 Jun 2020 17:02

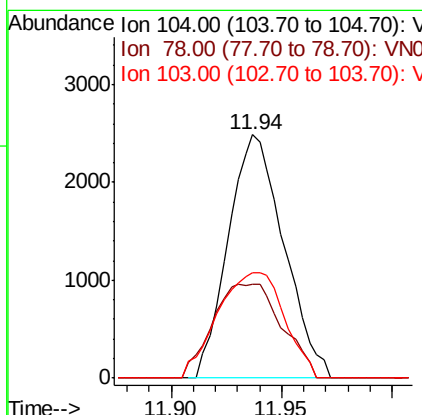
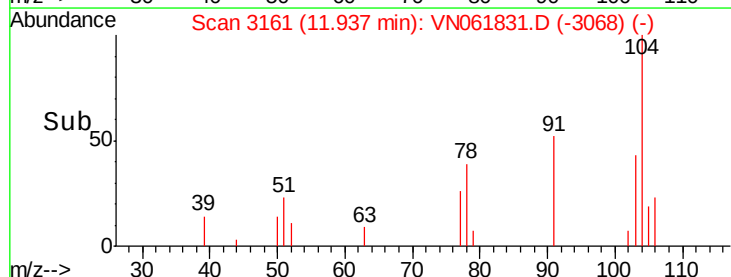
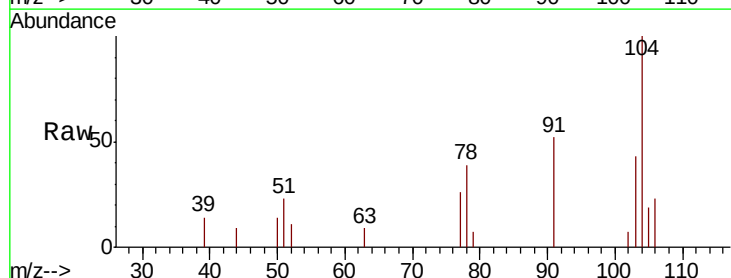
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

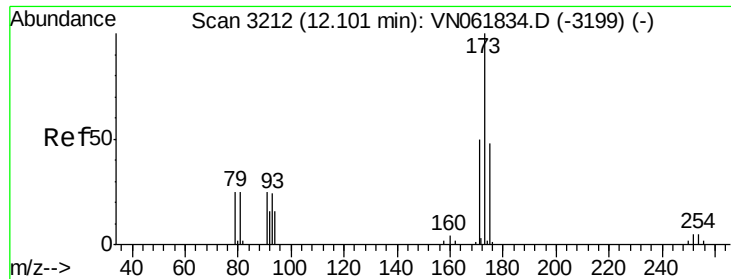
Tot Ion:106 Resp: 2763
Ion Ratio Lower Upper
106 100
91 208.7 103.0 308.9



#70
Styrene
Concen: 0.739 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061831.D
Acq: 16 Jun 2020 17:02

Tgt Ion:104 Resp: 4344
Ion Ratio Lower Upper
104 100
78 48.0 37.6 56.4
103 52.0 43.0 64.4





#71

Bromoform

Concen: 0.786 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

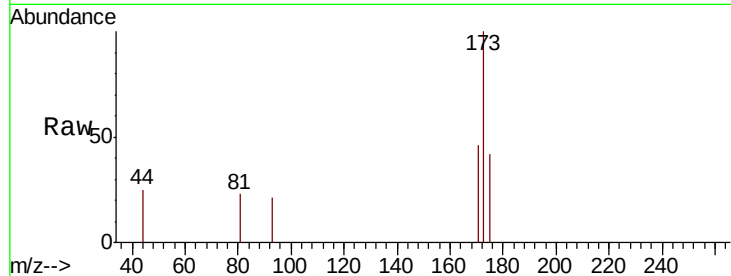
Tot Ion:173 Resp: 1209

Ion Ratio Lower Upper

173 100

175 36.4 23.9 71.7

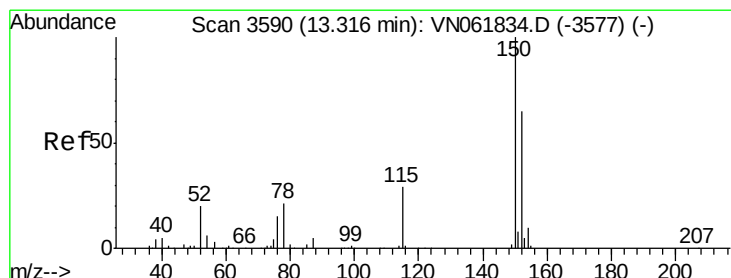
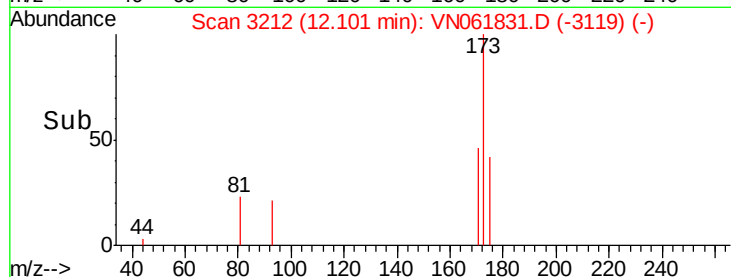
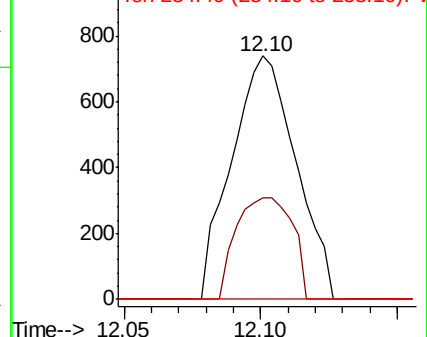
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

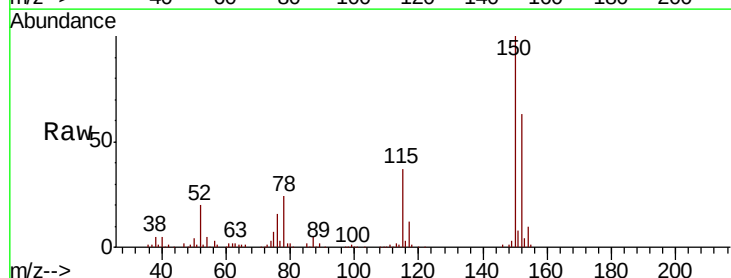
Tgt Ion:152 Resp: 106645

Ion Ratio Lower Upper

152 100

115 58.2 29.1 87.3

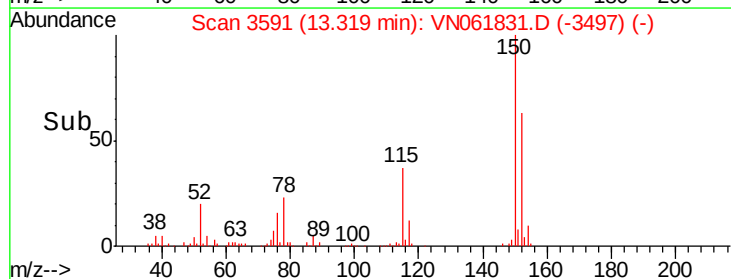
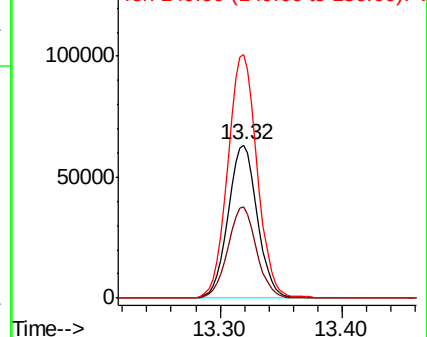
150 160.0 0.0 347.6

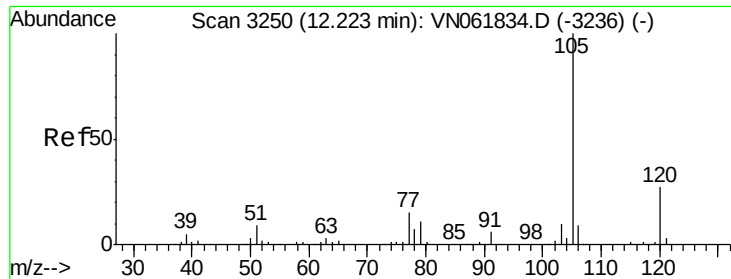


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.859 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

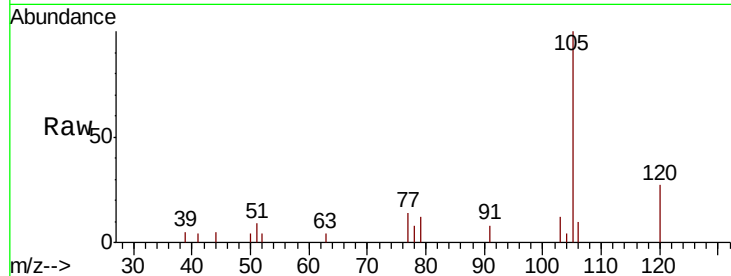
VSTDIC001

Tot Ion:105 Resp: 6730

Ion Ratio Lower Upper

105 100

120 28.1 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

4000

3000

2000

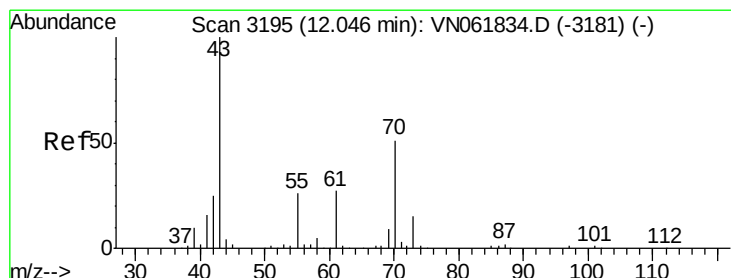
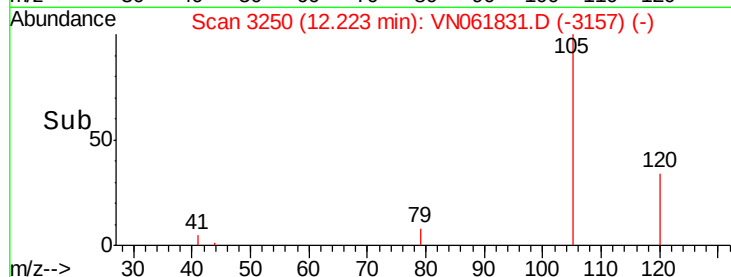
1000

0

Time-->

12.20

12.25



#74

N-ethyl acetate

Concen: 0.710 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

Tgt Ion: 43 Resp: 1755

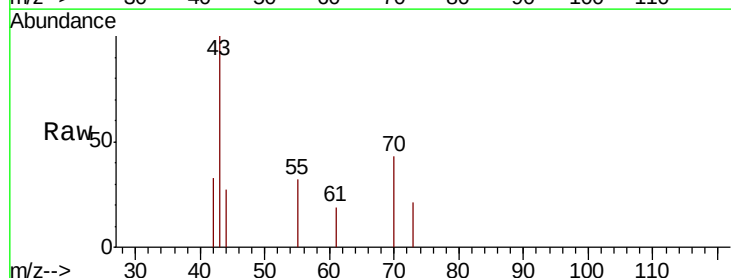
Ion Ratio Lower Upper

43 100

70 40.5 40.6 60.8#

55 20.9 21.5 32.3#

61 10.7 21.6 32.4#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.05

1000

500

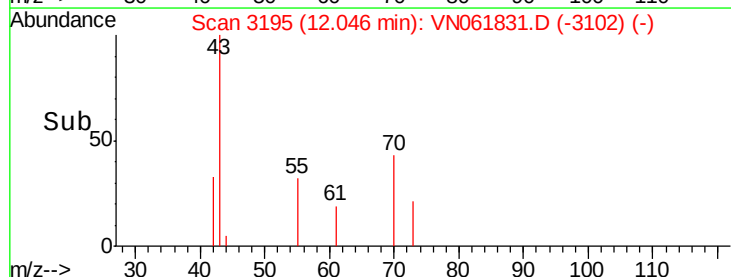
0

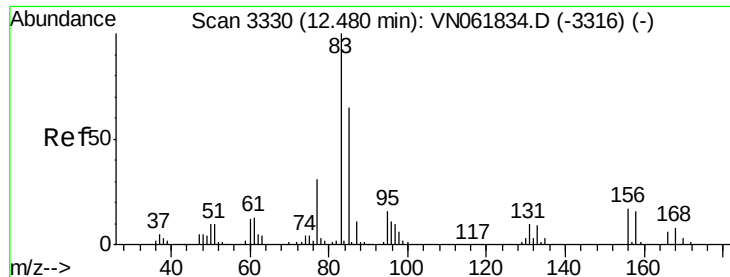
Time-->

12.00

12.05

12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 1.252 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

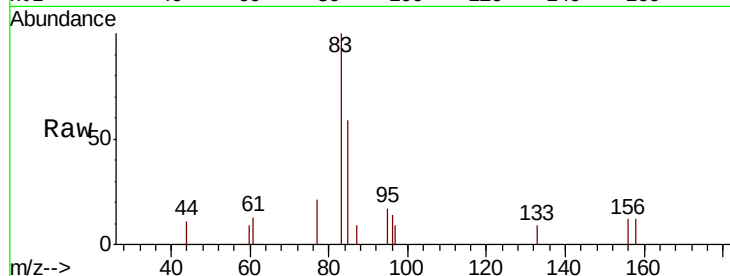
Tot Ion: 83 Resp: 2791

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

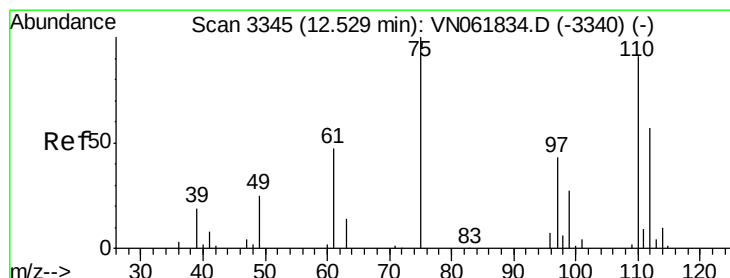
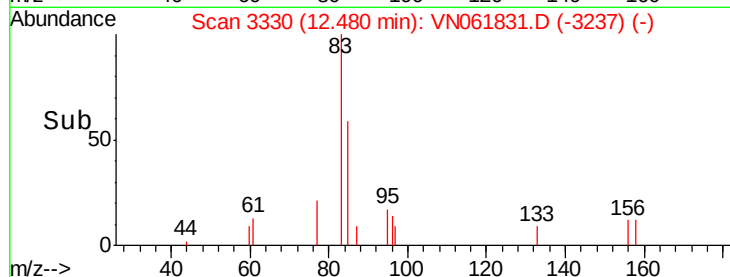
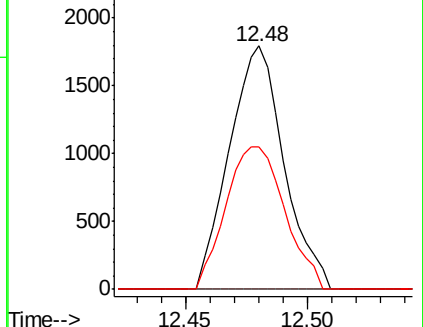
85 63.2 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN061831.D (-3330) (-)

Ion 130.80 (130.50 to 131.50): VN061831.D (-3330) (-)

Ion 84.90 (84.60 to 85.60): VN061831.D (-3330) (-)



#76

1,2,3-Trichloropropane

Concen: 1.404 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN061831.D

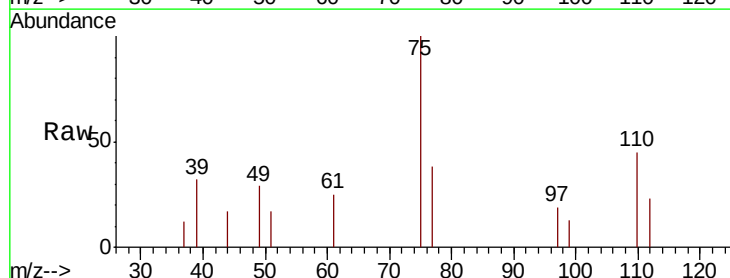
Acq: 16 Jun 2020 17:02

Tgt Ion: 75 Resp: 2755

Ion Ratio Lower Upper

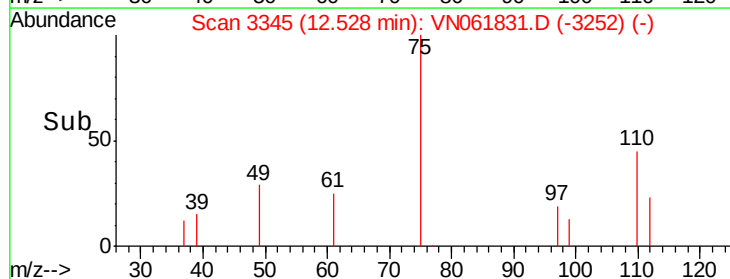
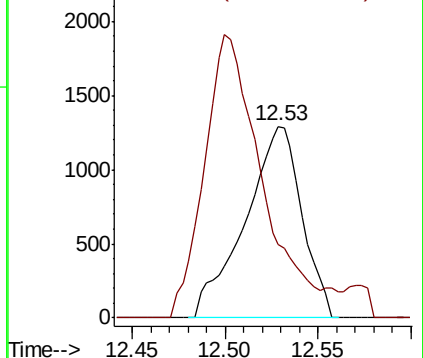
75 100

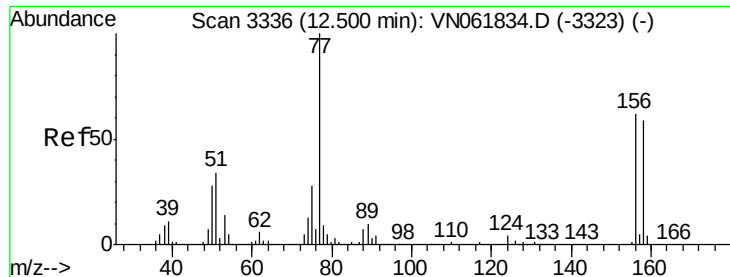
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061831.D (-3345) (-)

Ion 77.00 (76.70 to 77.70): VN061831.D (-3345) (-)





#77

Bromobenzene

Concen: 0.980 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.01 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

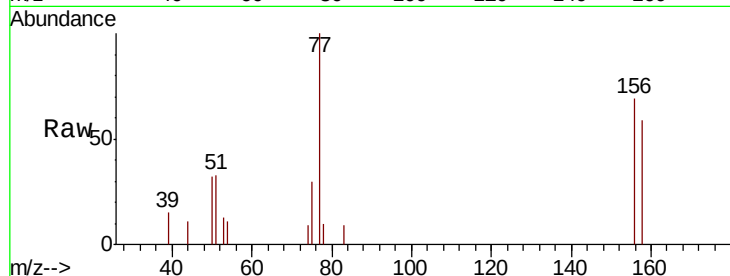
Tot Ion:156 Resp: 1942

Ion Ratio Lower Upper

156 100

77 210.6 100.7 302.1

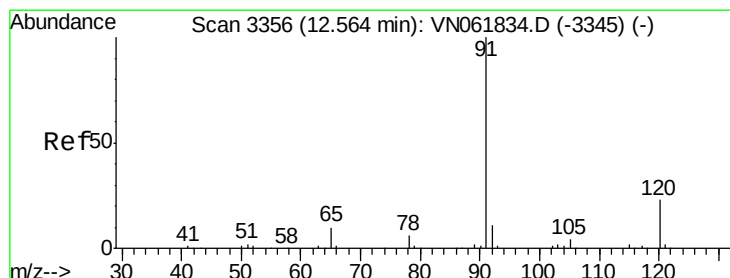
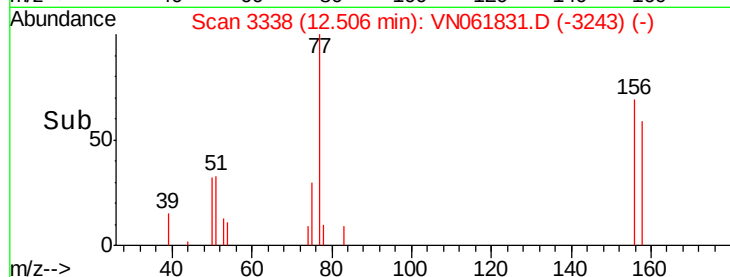
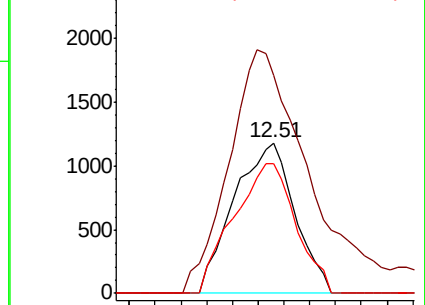
158 88.3 48.5 145.5



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: 0.935 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061831.D

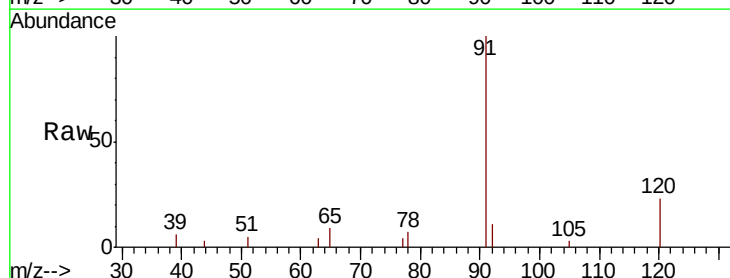
Acq: 16 Jun 2020 17:02

Tgt Ion: 91 Resp: 8194

Ion Ratio Lower Upper

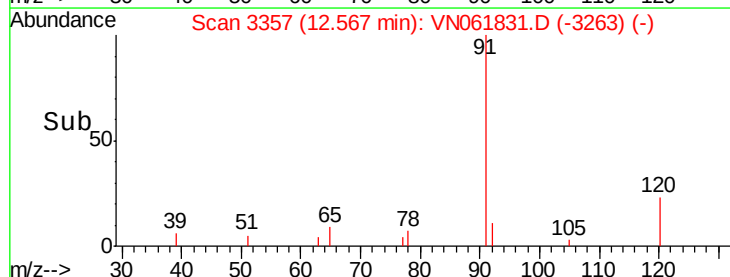
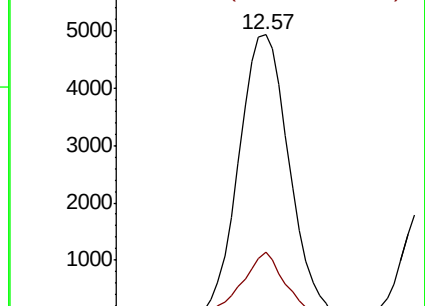
91 100

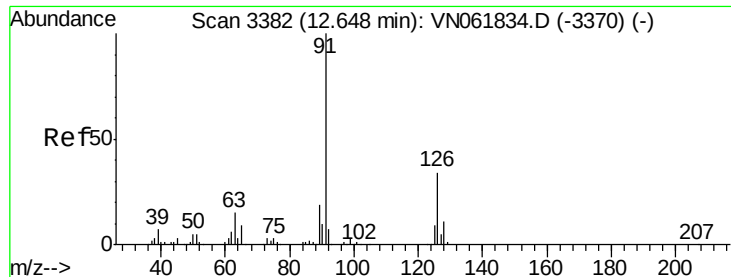
120 19.9 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.979 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

Instrument :

MSVOA_N

ClientSampled :

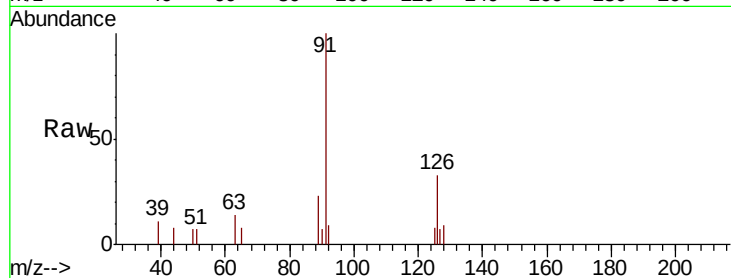
VSTDIC001

Tot Ion: 91 Resp: 5114

Ion Ratio Lower Upper

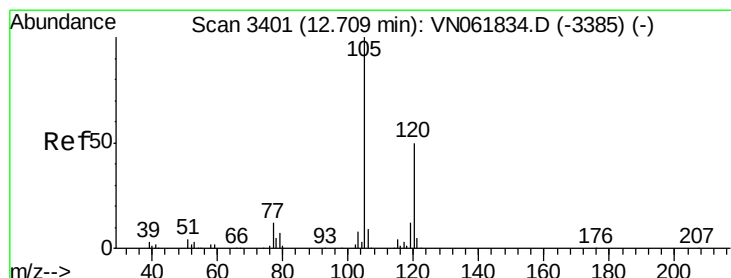
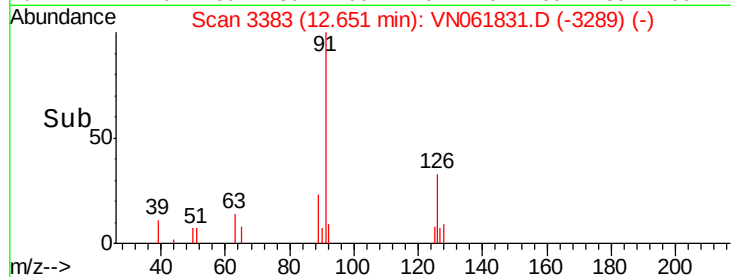
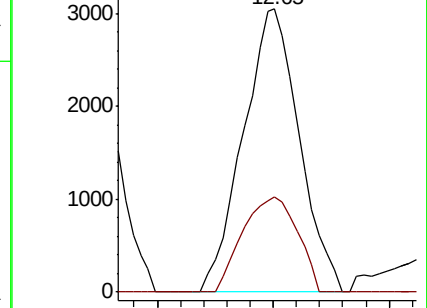
91 100

126 32.9 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN061831.D (-3382) (-)

Ion 125.90 (125.60 to 126.60): VN061831.D (-3382) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.814 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061831.D

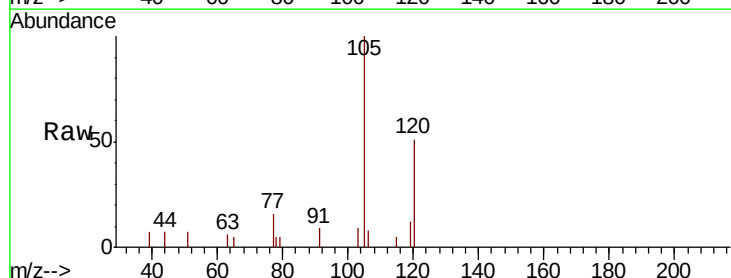
Acq: 16 Jun 2020 17:02

Tgt Ion: 105 Resp: 5325

Ion Ratio Lower Upper

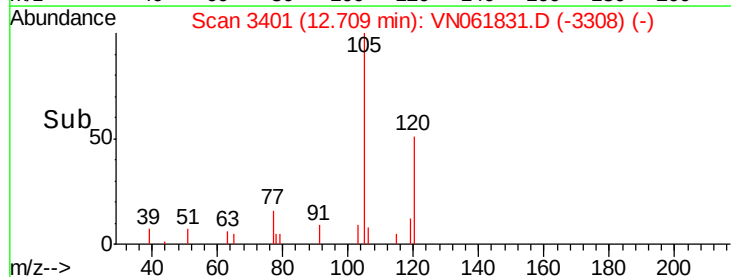
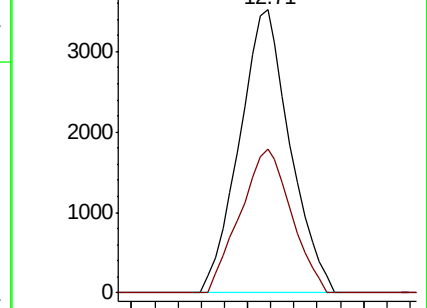
105 100

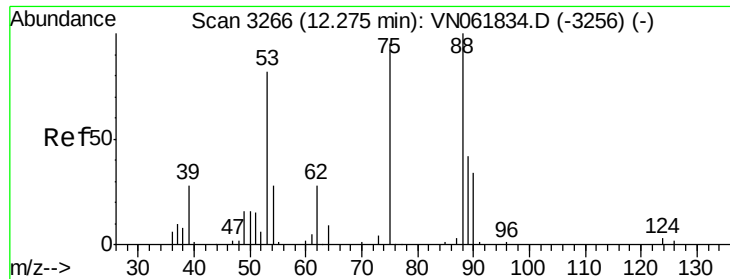
120 51.2 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VN061831.D (-3401) (-)

Ion 120.00 (119.70 to 120.70): VN061831.D (-3401) (-)

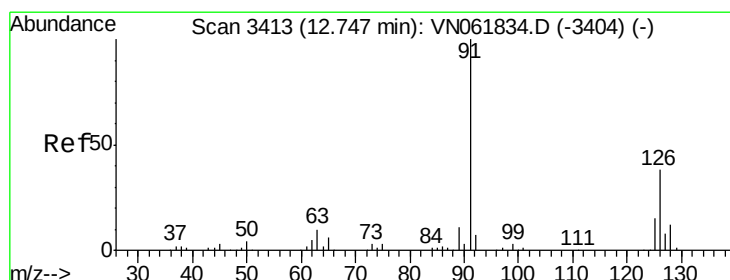
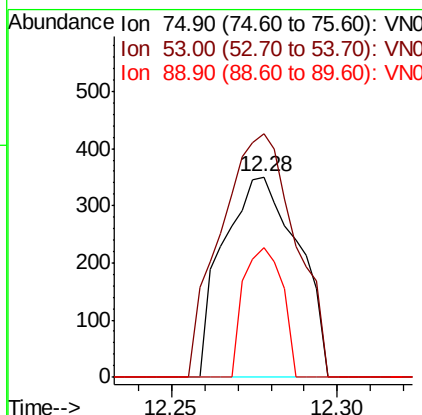
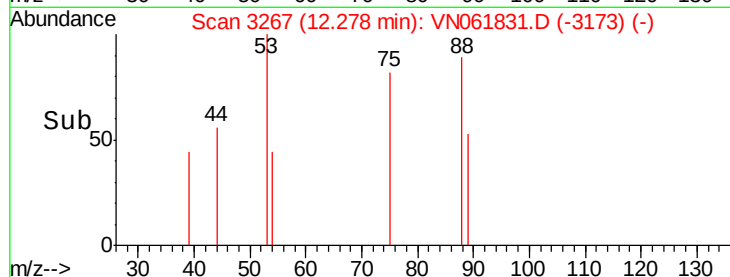
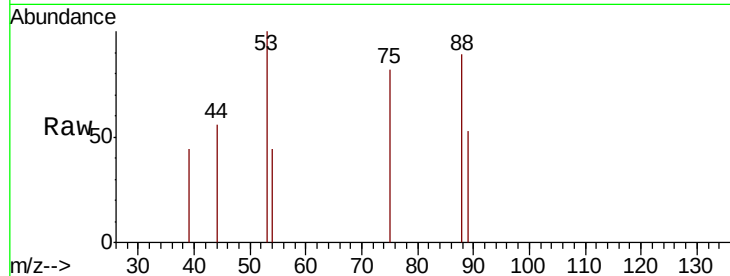




#81
trans-1,4-Dichloro-2-butene
Concen: 0.720 ug/l
RT: 12.28 min Scan# 3267
Delta R.T. 0.00 min
Lab File: VN061831.D
Acq: 16 Jun 2020 17:02

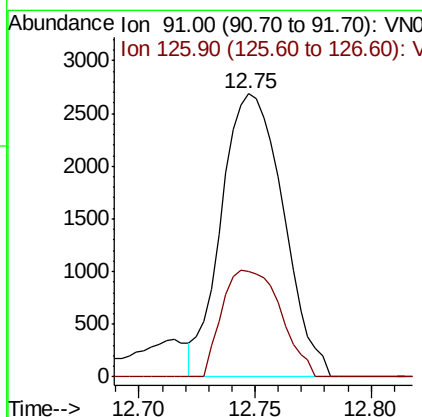
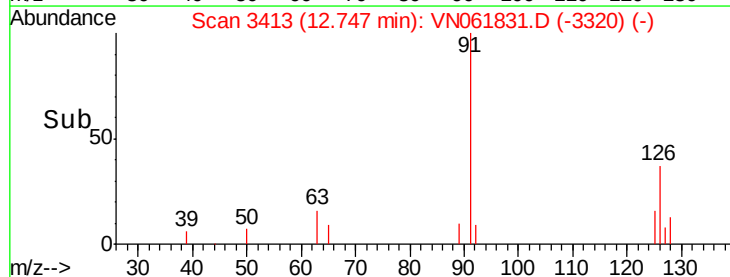
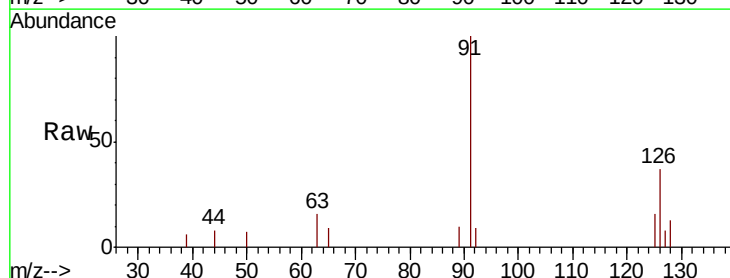
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

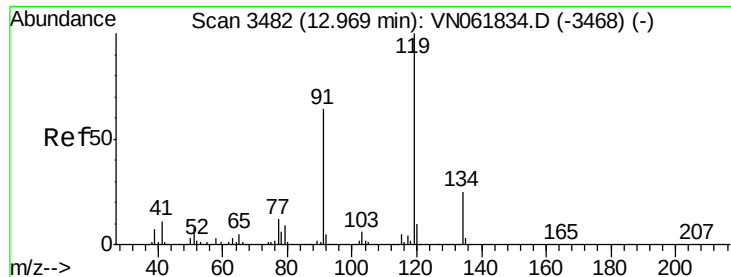
Tot Ion: 75 Resp: 549
Ion Ratio Lower Upper
75 100
53 121.5 70.4 105.6#
89 33.7 36.0 54.0#



#82
4-Chlorotoluene
Concen: 0.907 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN061831.D
Acq: 16 Jun 2020 17:02

Tgt Ion: 91 Resp: 4981
Ion Ratio Lower Upper
91 100
126 35.7 17.2 51.6

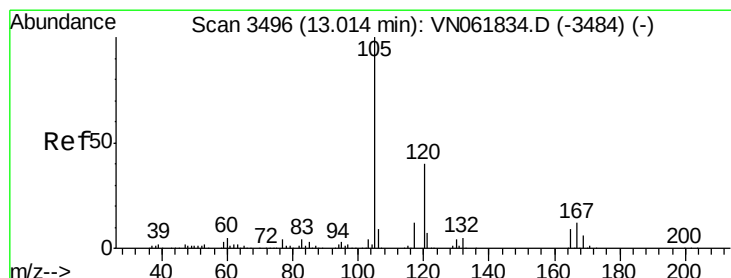
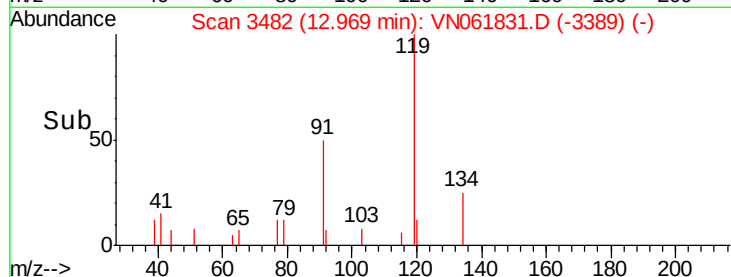
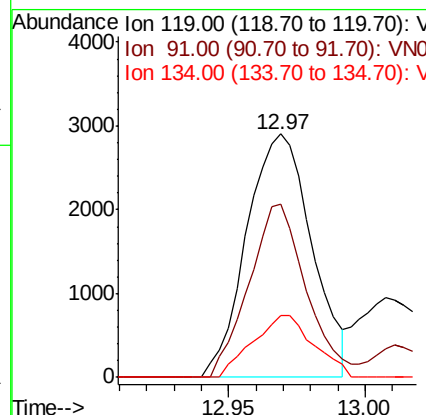
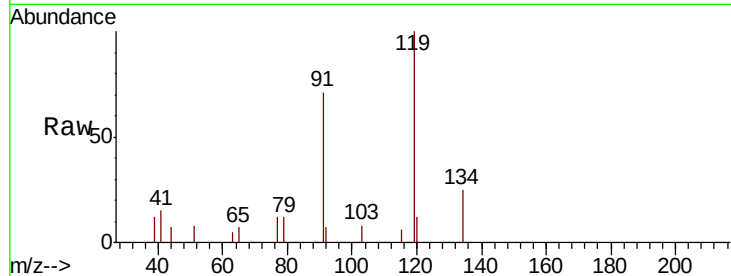




#83
 tert-Butylbenzene
 Concen: 0.837 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061831.D
 Acq: 16 Jun 2020 17:02

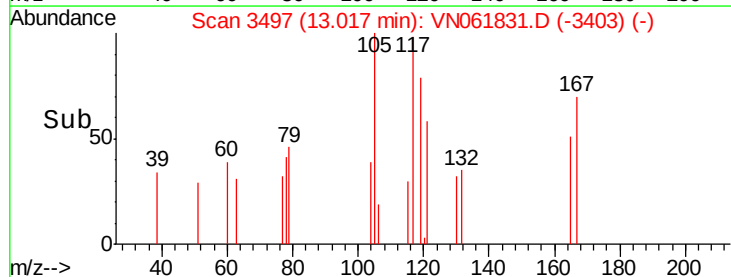
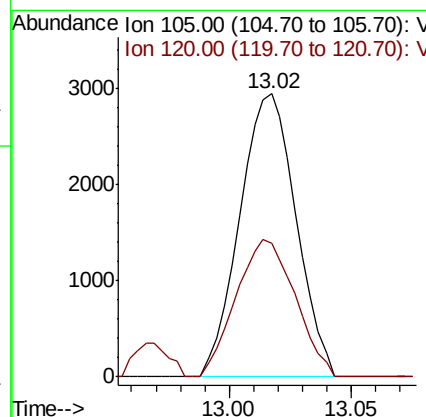
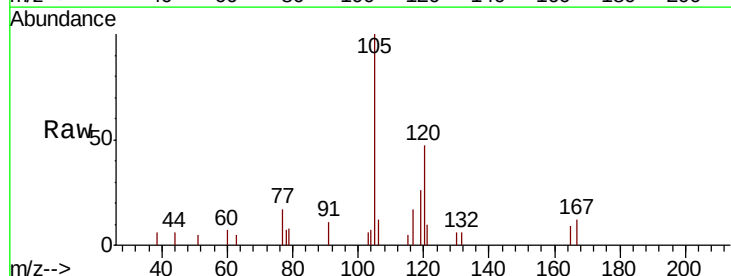
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

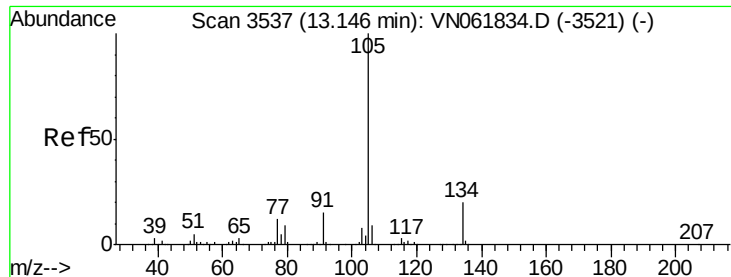
Tot Ion:119 Resp: 4811
 Ion Ratio Lower Upper
 119 100
 91 62.9 31.5 94.5
 134 23.8 13.3 39.9



#84
 1,2,4-Trimethylbenzene
 Concen: 0.724 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN061831.D
 Acq: 16 Jun 2020 17:02

Tgt Ion:105 Resp: 4707
 Ion Ratio Lower Upper
 105 100
 120 51.3 23.3 69.9

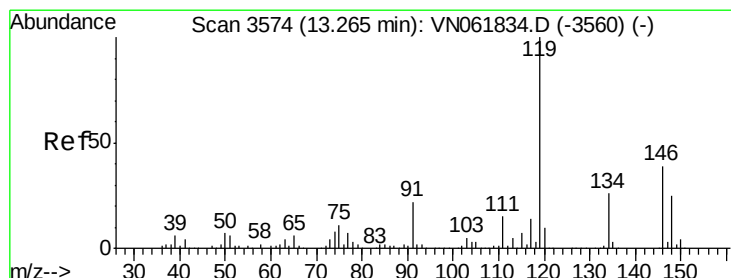
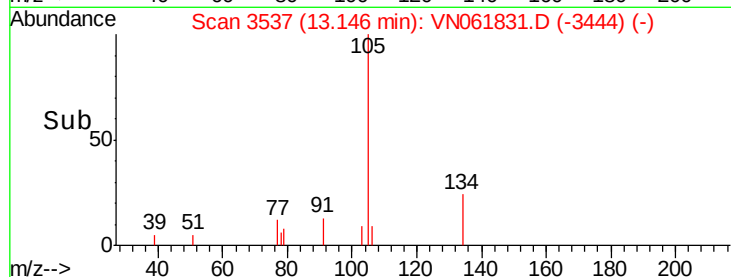
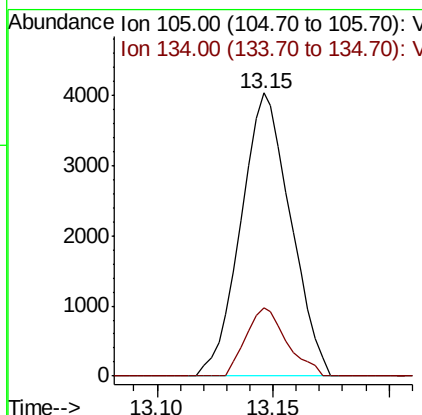
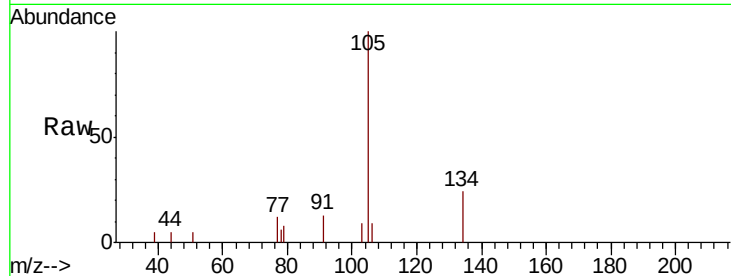




#85
 sec-Butylbenzene
 Concen: 0.812 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN061831.D
 Acq: 16 Jun 2020 17:02

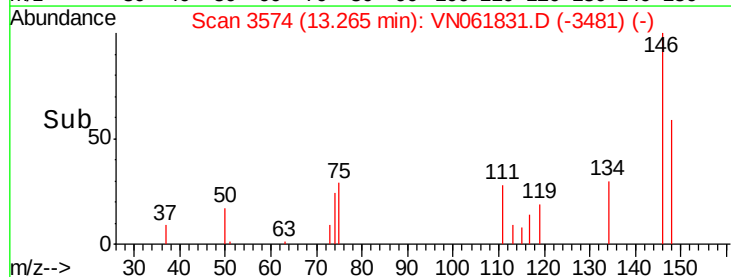
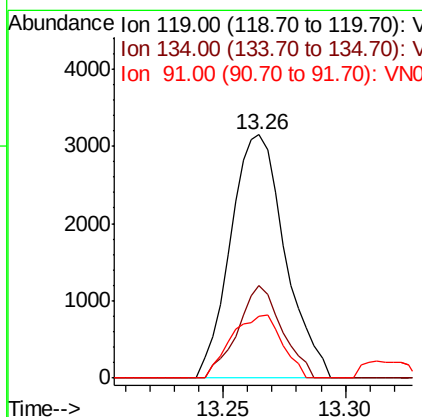
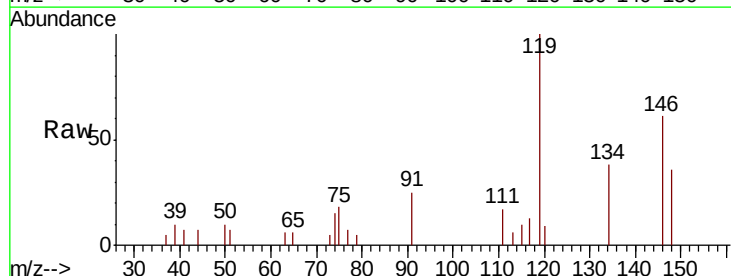
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

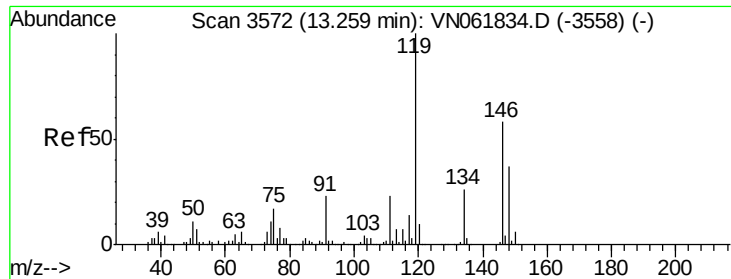
Tot Ion:105 Resp: 6018
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 0.712 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN061831.D
 Acq: 16 Jun 2020 17:02

Tgt Ion:119 Resp: 4850
 Ion Ratio Lower Upper
 119 100
 134 31.0 13.3 39.9
 91 24.2 11.2 33.6

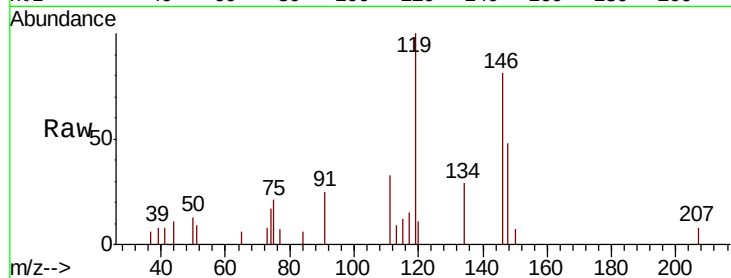




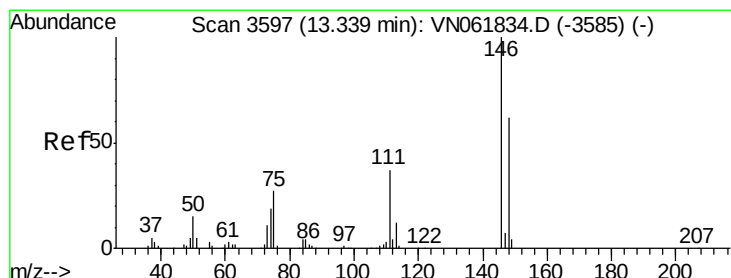
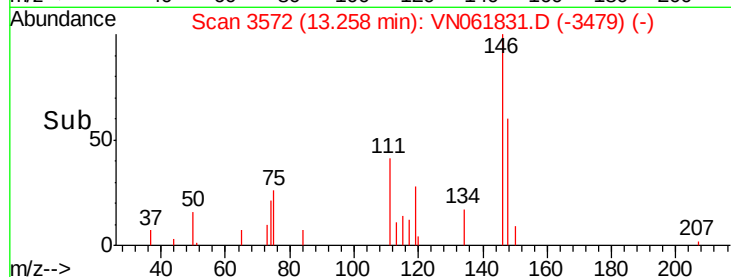
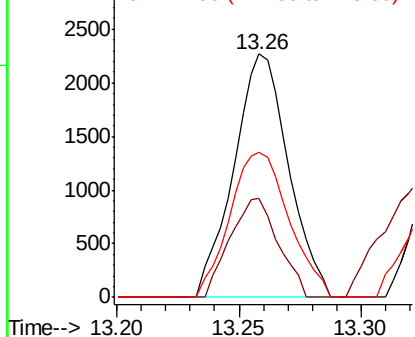
#87
 1,3-Dichlorobenzene
 Concen: 0.998 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN061831.D
 Acq: 16 Jun 2020 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:146 Resp: 3527
 Ion Ratio Lower Upper
 146 100
 111 36.0 19.6 58.8
 148 64.5 31.8 95.4

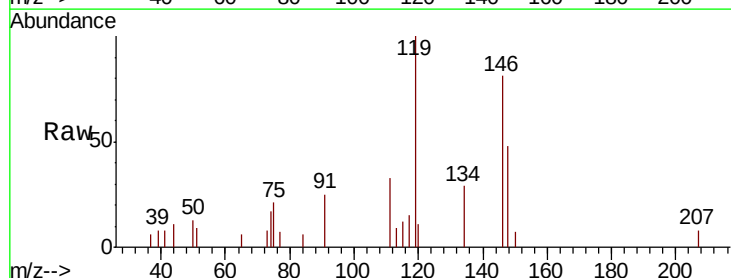


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

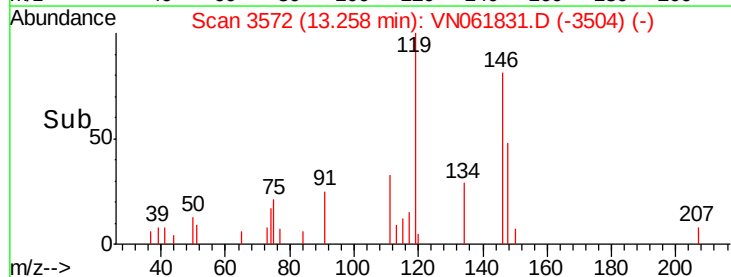
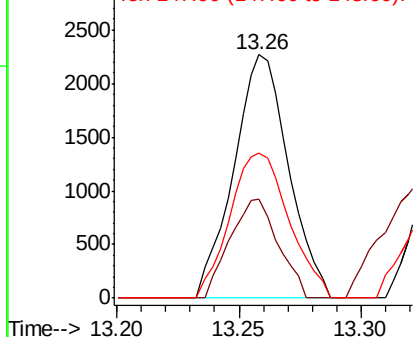


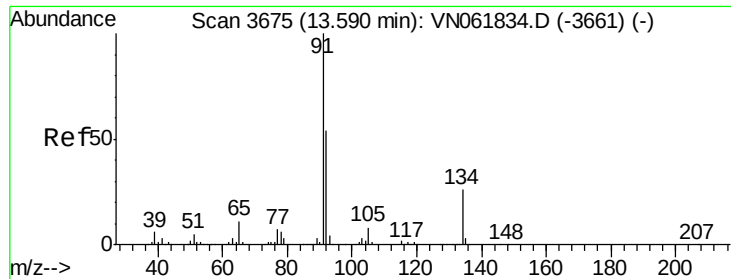
#88
 1,4-Dichlorobenzene
 Concen: 0.981 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.08 min
 Lab File: VN061831.D
 Acq: 16 Jun 2020 17:02

Tgt Ion:146 Resp: 3527
 Ion Ratio Lower Upper
 146 100
 111 36.0 19.3 57.8
 148 64.5 31.6 94.7



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





#89

n-Butylbenzene

Concen: 0.796 ug/l

RT: 13.59 min Scan# 3676

Delta R.T. 0.00 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

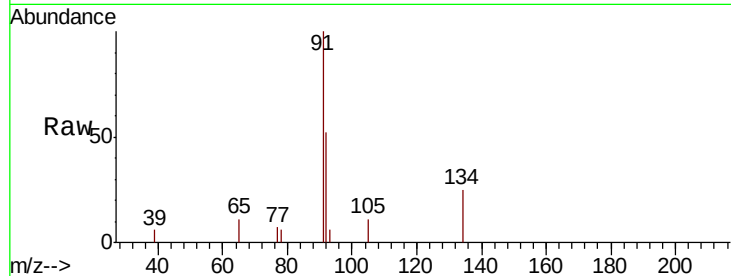
Tot Ion: 91 Resp: 4525

Ion Ratio Lower Upper

91 100

92 54.4 27.0 80.8

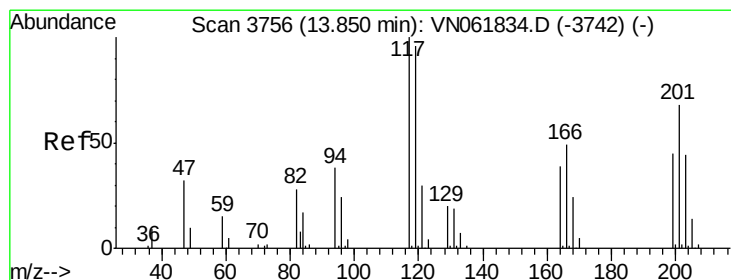
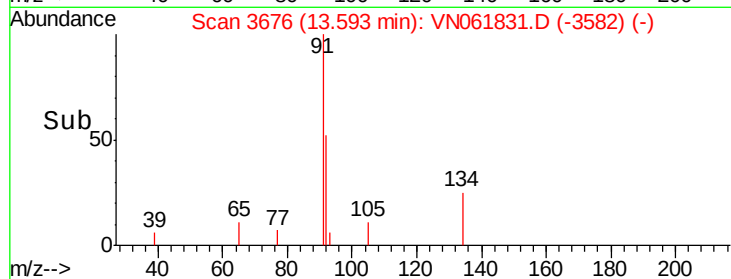
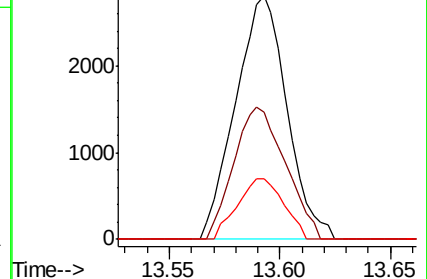
134 22.3 13.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VN061831.D (-3661) (-)

Ion 92.00 (91.70 to 92.70): VN061831.D (-3661) (-)

Ion 134.00 (133.70 to 134.70): VN061831.D (-3661) (-)



#90

Hexachloroethane

Concen: 1.161 ug/l

RT: 13.84 min Scan# 3754

Delta R.T. -0.01 min

Lab File: VN061831.D

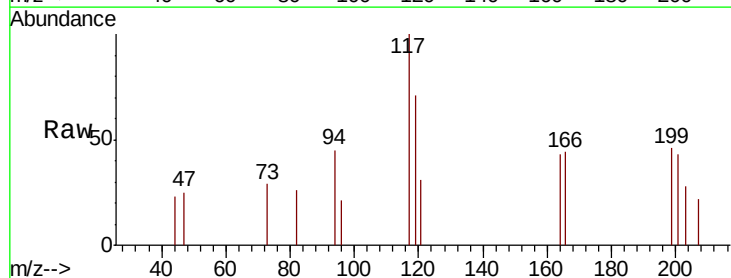
Acq: 16 Jun 2020 17:02

Tgt Ion: 117 Resp: 960

Ion Ratio Lower Upper

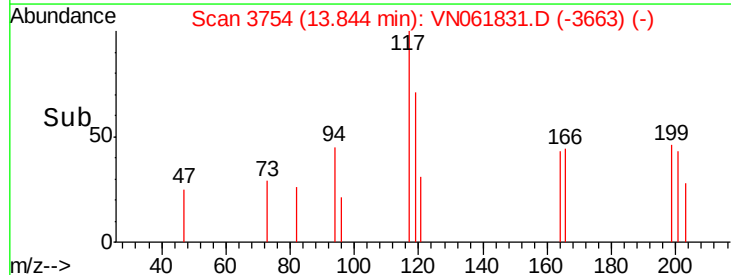
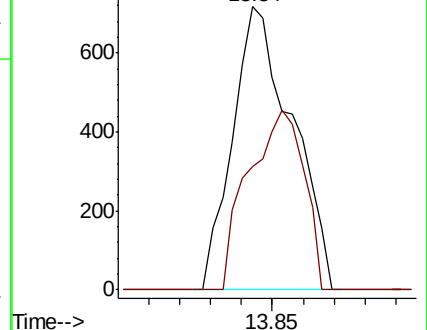
117 100

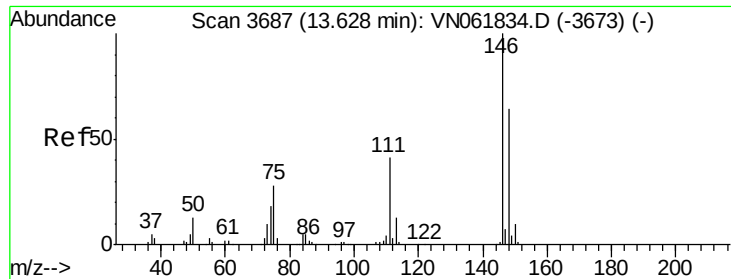
201 58.8 34.6 103.8



Abundance Ion 116.80 (116.50 to 117.50): VN061831.D (-3663) (-)

Ion 200.70 (200.40 to 201.40): VN061831.D (-3663) (-)

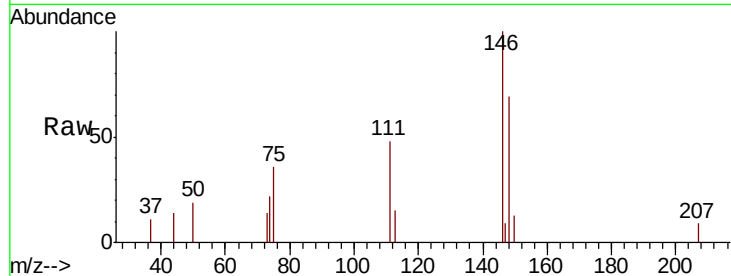




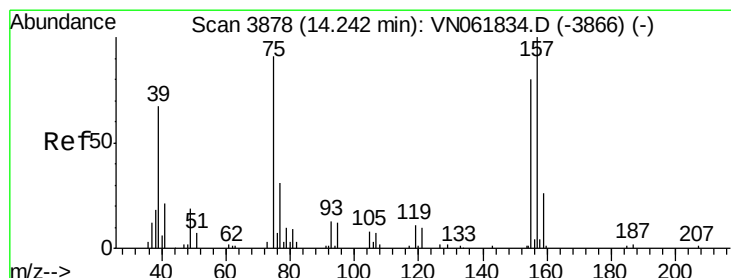
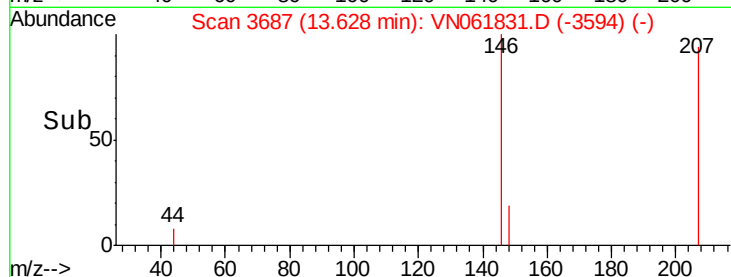
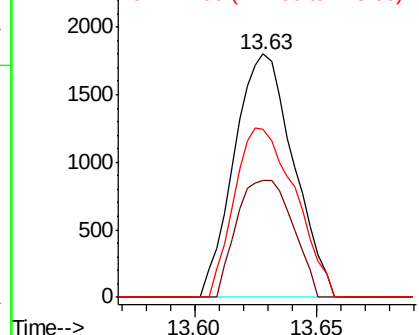
#91
 1,2-Dichlorobenzene
 Concen: 0.898 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061831.D
 Acq: 16 Jun 2020 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:146 Resp: 3036
 Ion Ratio Lower Upper
 146 100
 111 45.7 20.4 61.2
 148 71.6 31.8 95.4

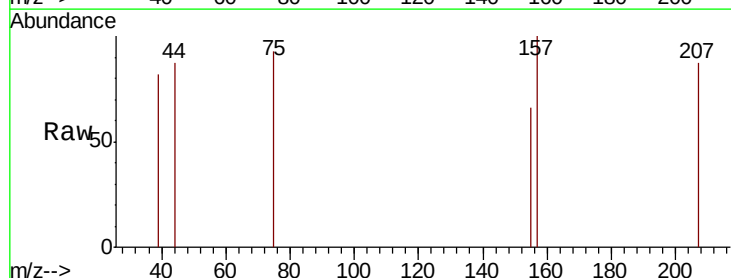


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

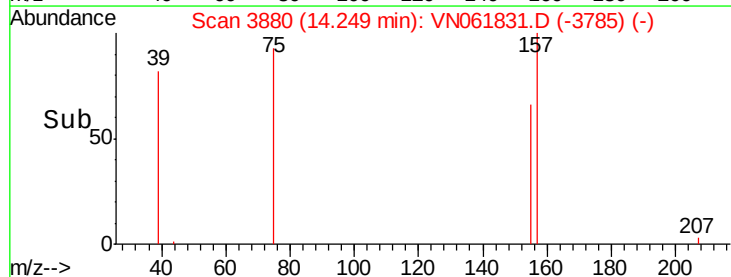
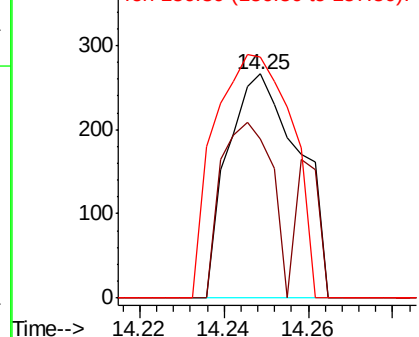


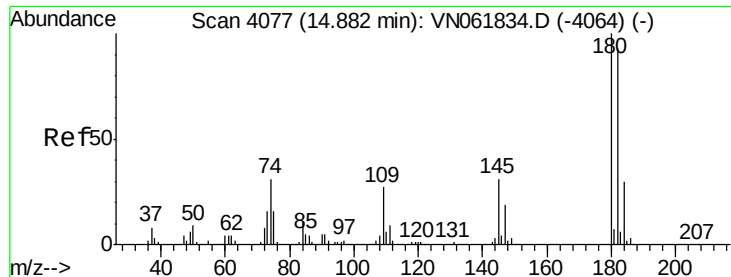
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.704 ug/l
 RT: 14.25 min Scan# 3880
 Delta R.T. 0.01 min
 Lab File: VN061831.D
 Acq: 16 Jun 2020 17:02

Tgt Ion: 75 Resp: 312
 Ion Ratio Lower Upper
 75 100
 155 56.4 44.4 133.2
 157 117.9 57.0 171.2



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

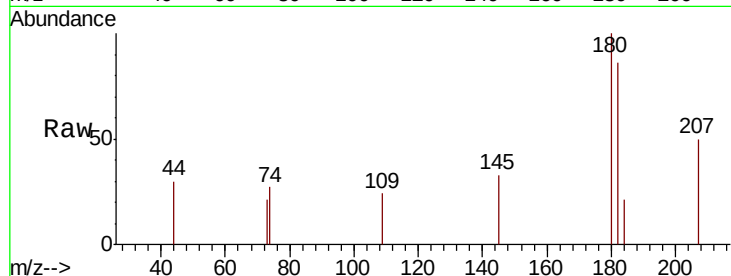




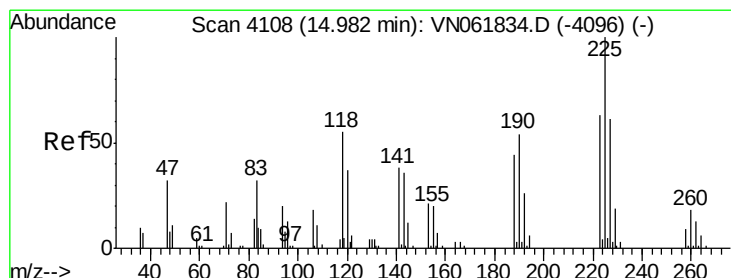
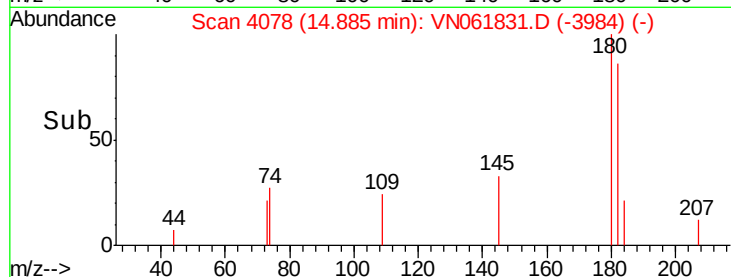
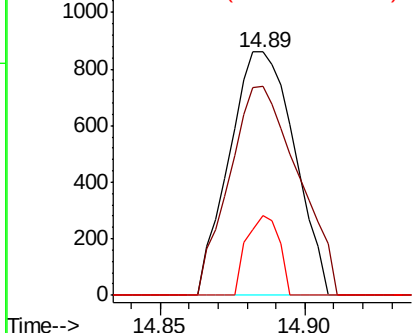
#93
 1,2,4-Trichlorobenzene
 Concen: 0.701 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061831.D
 Acq: 16 Jun 2020 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:180 Resp: 1342
 Ion Ratio Lower Upper
 180 100
 182 90.7 47.0 141.2
 145 16.5 15.8 47.3

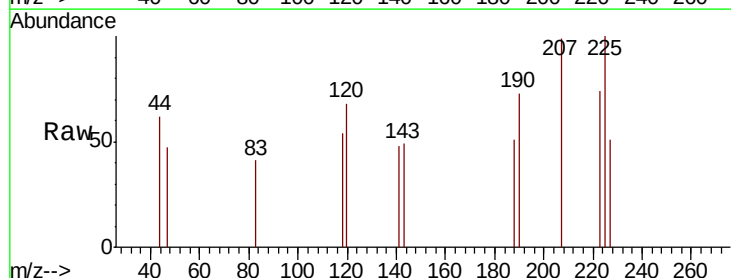


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

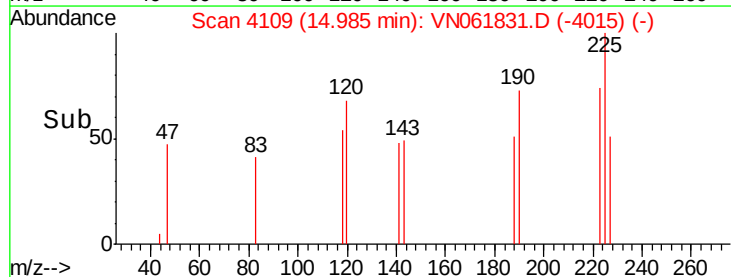
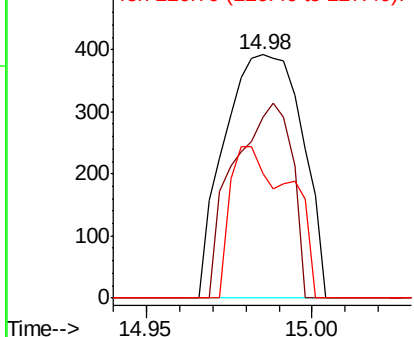


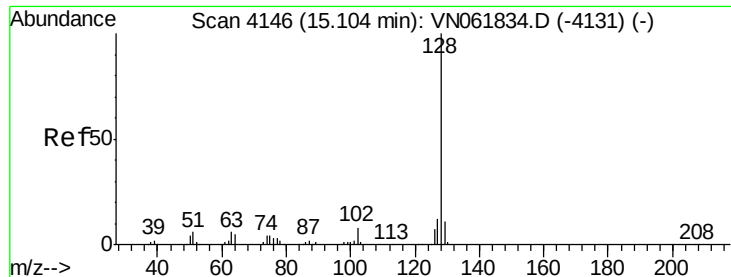
#94
 Hexachlorobutadiene
 Concen: 0.785 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061831.D
 Acq: 16 Jun 2020 17:02

Tgt Ion:225 Resp: 639
 Ion Ratio Lower Upper
 225 100
 223 59.8 31.7 95.1
 227 47.9 30.1 90.3



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: 0.599 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

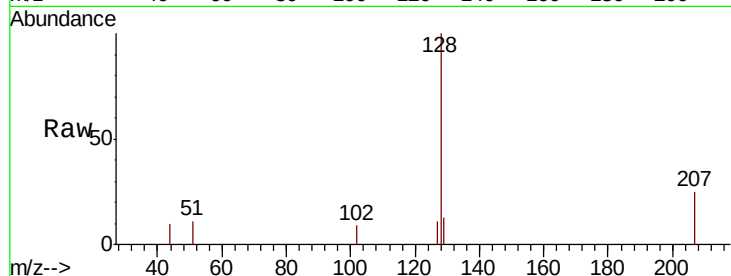
Tot Ion:128 Resp: 3448

Ion Ratio Lower Upper

128 100

127 4.7 10.3 15.5#

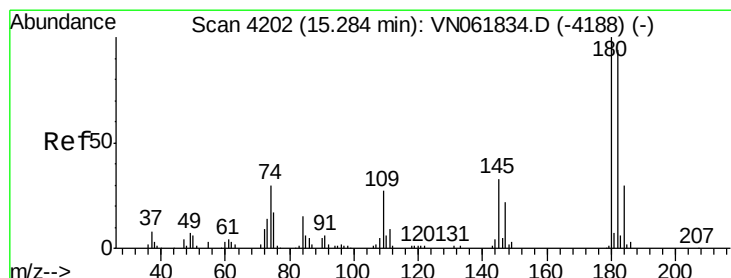
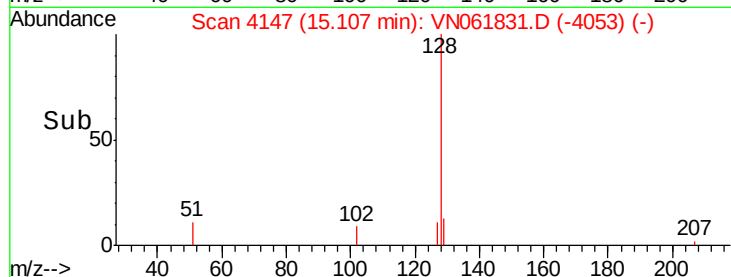
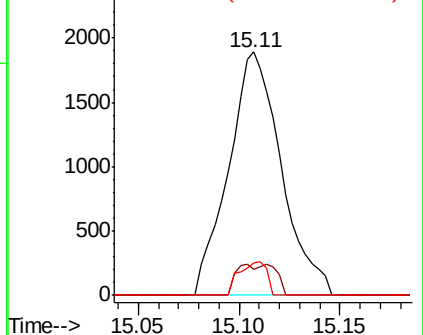
129 7.3 8.6 13.0#



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: 0.720 ug/l

RT: 15.28 min Scan# 4201

Delta R.T. -0.00 min

Lab File: VN061831.D

Acq: 16 Jun 2020 17:02

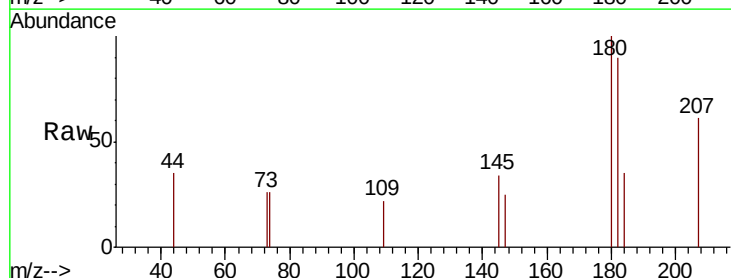
Tgt Ion:180 Resp: 1355

Ion Ratio Lower Upper

180 100

182 92.0 47.9 143.6

145 16.9 16.5 49.5



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

