

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061426.D
 Acq On : 18 May 2020 10:50
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: May 18 12:33:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 12:26:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	266485	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	473621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	420599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	172245	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	3517	0.86	ug/l	0.00
Spiked Amount			Recovery	=	1.72%	
35) Dibromofluoromethane	7.54	113	2492	1.05	ug/l	0.00
Spiked Amount			Recovery	=	2.10%	
50) Toluene-d8	10.06	98	10116	0.86	ug/l	0.00
Spiked Amount			Recovery	=	1.72%	
62) 4-Bromofluorobenzene	12.37	95	3865	0.89	ug/l	0.00
Spiked Amount			Recovery	=	1.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	1857	0.861	ug/l	86
3) Chloromethane	2.03	50	4279	1.016	ug/l	90
4) Vinyl Chloride	2.16	62	5215	0.808	ug/l	90
5) Bromomethane	2.54	94	2873	0.822	ug/l	95
6) Chloroethane	2.67	64	3764	0.823	ug/l #	87
7) Trichlorofluoromethane	2.97	101	5915	0.747	ug/l	91
8) Diethyl Ether	3.37	74	1806	1.012	ug/l	56
9) 1,1,2-Trichlorotrifluoroet	3.72	101	1429	0.567	ug/l #	50
10) Methyl Iodide	3.91	142	2745	0.874	ug/l #	94
11) Tert butyl alcohol	4.72	59	1183	3.835	ug/l	95
12) 1,1-Dichloroethene	3.70	96	2864	1.060	ug/l #	77
13) Acrolein	3.57	56	2172	6.219	ug/l #	62
14) Allyl chloride	4.28	41	4195	0.876	ug/l #	83
15) Acrylonitrile	4.93	53	5886	4.468	ug/l #	69
16) Acetone	3.78	43	9077	8.793	ug/l #	84
17) Carbon Disulfide	4.01	76	7420	1.067	ug/l #	92
18) Methyl Acetate	4.27	43	1595	0.528	ug/l #	58
19) Methyl tert-butyl Ether	4.99	73	9873	0.934	ug/l	97
20) Methylene Chloride	4.49	84	3433	1.054	ug/l	87
21) trans-1,2-Dichloroethene	4.98	96	2977	0.911	ug/l	96
22) Diisopropyl ether	5.90	45	9211	0.865	ug/l	96
23) Vinyl Acetate	5.84	43	35777	4.126	ug/l	98
24) 1,1-Dichloroethane	5.79	63	5296	0.870	ug/l #	90
25) 2-Butanone	6.79	43	9149	5.354	ug/l	95
26) 2,2-Dichloropropane	6.77	77	5571	1.069	ug/l #	74
27) cis-1,2-Dichloroethene	6.78	96	3416	0.900	ug/l	61
28) Bromochloromethane	7.14	49	966	0.362	ug/l #	97
29) Tetrahydrofuran	7.17	42	5949	5.129	ug/l #	78
30) Chloroform	7.33	83	5087	0.797	ug/l	93
31) Cyclohexane	7.61	56	6542	1.095	ug/l #	43
32) 1,1,1-Trichloroethane	7.52	97	5026	0.884	ug/l #	51
36) 1,1-Dichloropropene	7.75	75	3997	0.846	ug/l	97
37) Ethyl Acetate	6.88	43	1209	0.307	ug/l #	78
38) Carbon Tetrachloride	7.72	117	3056	0.754	ug/l #	81

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 Quant Title : SW846 8260
 QLast Update : Mon May 18 12:26:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	4911	0.873	ug/l	97
40) Benzene	8.00	78	12054	0.867	ug/l	97
42) 1,2-Dichloroethane	8.08	62	4455	0.891	ug/l	98
43) Isopropyl Acetate	8.12	43	6956	0.918	ug/l #	83
44) Trichloroethene	8.80	130	2980	0.829	ug/l	96
45) 1,2-Dichloropropane	9.08	63	2832	0.808	ug/l	100
46) Dibromomethane	9.18	93	2146	0.911	ug/l	91
47) Bromodichloromethane	9.37	83	4195	0.820	ug/l #	91
48) Methyl methacrylate	9.17	41	3485	1.017	ug/l #	87
49) 1,4-Dioxane	9.16	88	1103	49.616	ug/l #	81
51) 4-Methyl-2-Pentanone	9.95	43	16753	4.108	ug/l	98
52) Toluene	10.12	92	7395	0.838	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	4328	0.774	ug/l #	88
54) cis-1,3-Dichloropropene	9.81	75	5034	0.853	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	2589	0.788	ug/l	88
56) Ethyl methacrylate	10.40	69	4091	0.762	ug/l #	75
57) 1,3-Dichloropropane	10.68	76	4899	0.856	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	11702	5.159	ug/l	98
59) 2-Hexanone	10.72	43	12945	4.633	ug/l	92
60) Dibromochloromethane	10.87	129	2722	0.745	ug/l	95
61) 1,2-Dibromoethane	10.98	107	2908	0.842	ug/l	94
64) Tetrachloroethene	10.60	164	2959	0.899	ug/l	97
65) Chlorobenzene	11.40	112	7977	0.914	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.47	131	2526	0.820	ug/l #	61
67) Ethyl Benzene	11.48	91	13530	0.837	ug/l	90
68) m/p-Xylenes	11.59	106	10014	1.648	ug/l	97
69) o-Xylene	11.92	106	4930	0.837	ug/l	98
70) Stvrene	11.94	104	7306	0.738	ug/l	95
71) Bromoform	12.10	173	1528	0.704	ug/l #	98
73) Isopropylbenzene	12.22	105	13272	0.947	ug/l	97
74) N-amyl acetate	12.05	43	4660	0.850	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.48	83	3658	0.915	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	4914	1.366	ug/l #	100
77) Bromobenzene	12.50	156	2732	0.890	ug/l	93
78) n-propylbenzene	12.56	91	14938	0.914	ug/l	98
79) 2-Chlorotoluene	12.65	91	8940	0.933	ug/l	93
80) 1,3,5-Trimethylbenzene	12.71	105	10021	0.854	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.27	75	1002	0.728	ug/l #	70
82) 4-Chlorotoluene	12.75	91	9050	0.899	ug/l	99
83) tert-Butylbenzene	12.97	119	8665	0.866	ug/l	91
84) 1,2,4-Trimethylbenzene	13.01	105	10276	0.878	ug/l	100
85) sec-Butylbenzene	13.15	105	11547	0.855	ug/l	96
86) p-Isopropyltoluene	13.26	119	10026	0.855	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	4447	0.799	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	4761	0.833	ug/l	84
89) n-Butylbenzene	13.59	91	9627	0.905	ug/l	95
90) Hexachloroethane	13.85	117	1256	0.777	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	4594	0.864	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.25	75	737	0.959	ug/l	73
93) 1,2,4-Trichlorobenzene	14.89	180	2109	0.723	ug/l	81

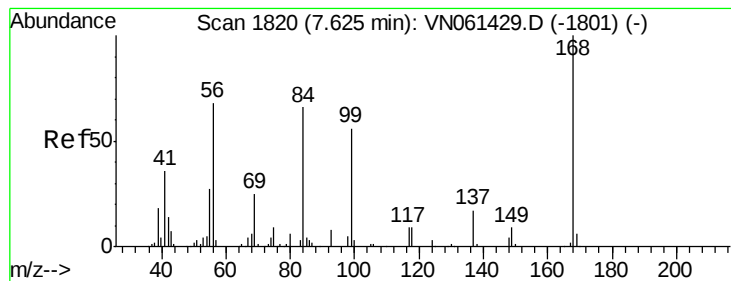
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
Data File : VN061426.D
Acq On : 18 May 2020 10:50
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Quant Title : SW846 8260
QLast Update : Mon May 18 12:26:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.98	225	1234	1.099	ug/l	89
95) Naphthalene	15.11	128	6767	0.716	ug/l	96
96) 1,2,3-Trichlorobenzene	15.29	180	2314	0.794	ug/l	88

(#) = 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: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

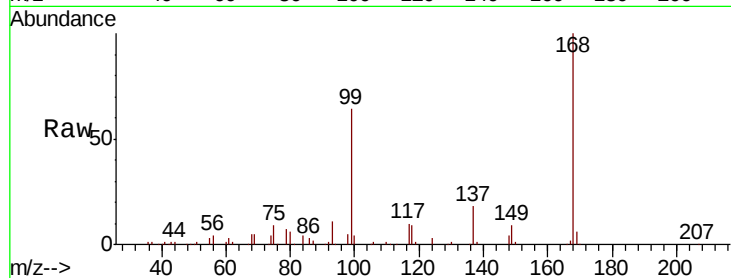
VSTDIC001

Tot Ion:168 Resp: 266485

Ion Ratio Lower Upper

168 100

99 64.2 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

120000

100000

80000

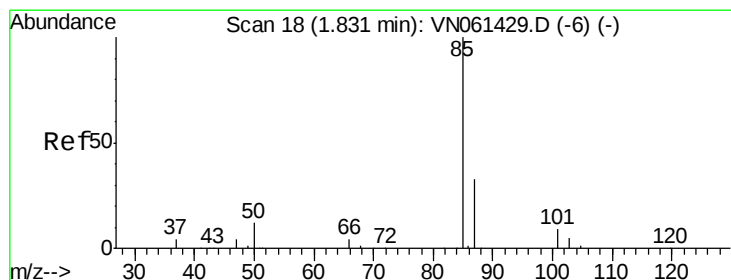
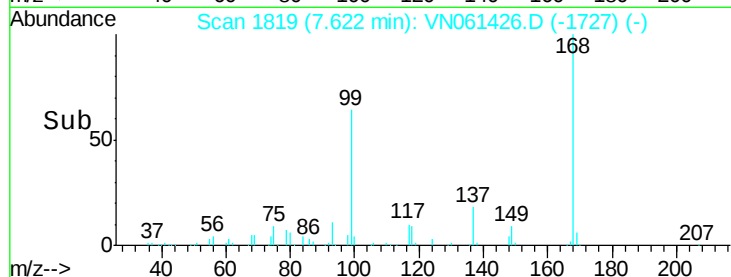
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 0.861 ug/l

RT: 1.83 min Scan# 17

Delta R.T. -0.00 min

Lab File: VN061426.D

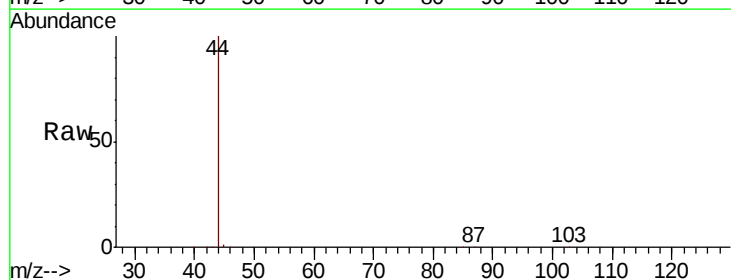
Acq: 18 May 2020 10:50

Tgt Ion: 85 Resp: 1857

Ion Ratio Lower Upper

85 100

87 24.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

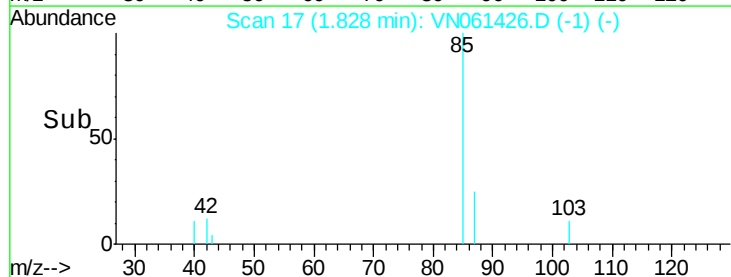
1500

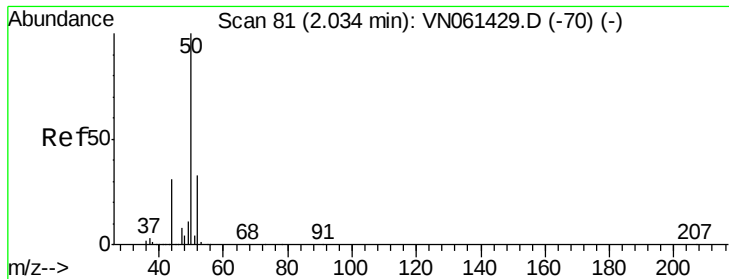
1000

500

0

Time--> 1.80 1.82 1.84 1.86





#3

Chloromethane

Concen: 1.016 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

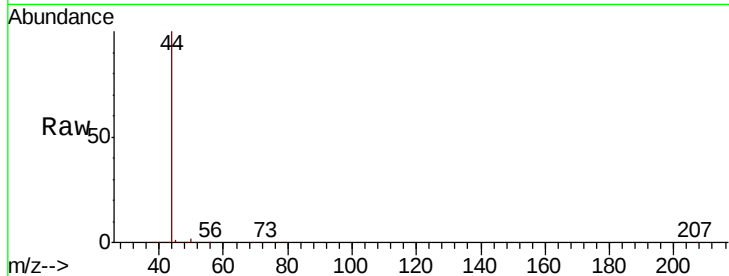
VSTDIC001

Tot Ion: 50 Resp: 4279

Ion Ratio Lower Upper

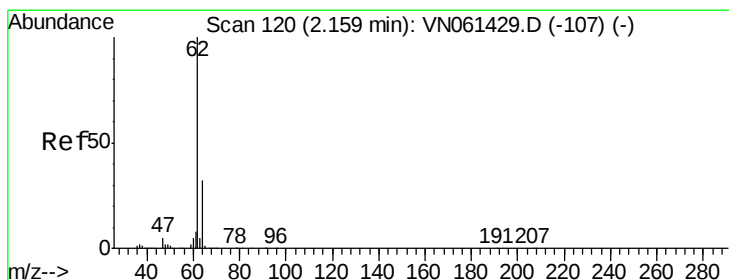
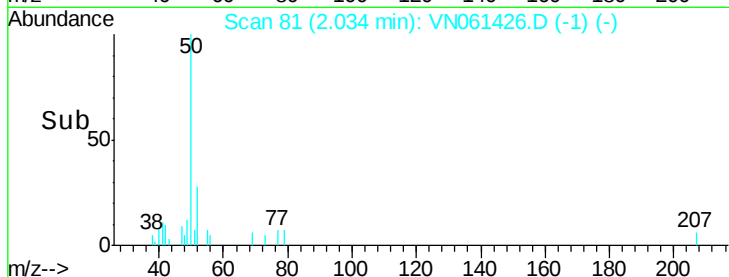
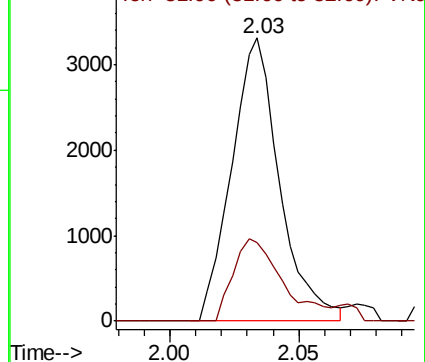
50 100

52 27.6 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 0.808 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061426.D

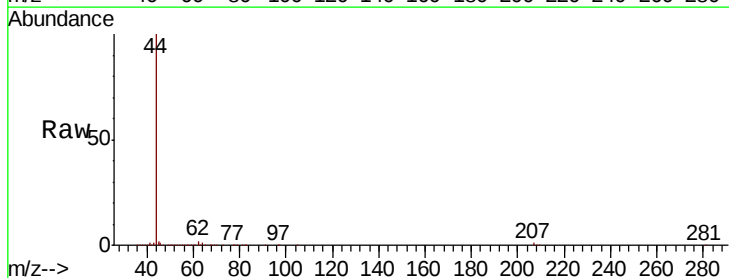
Acq: 18 May 2020 10:50

Tgt Ion: 62 Resp: 5215

Ion Ratio Lower Upper

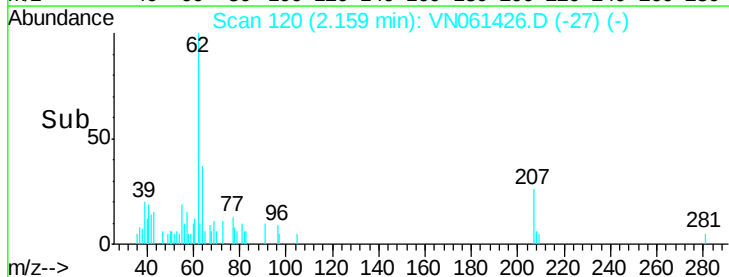
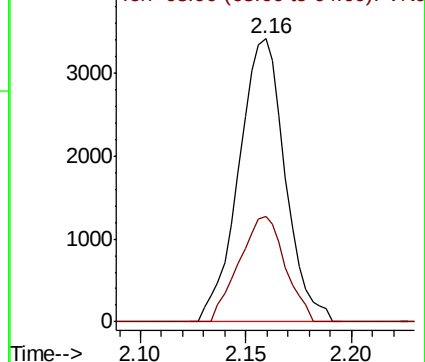
62 100

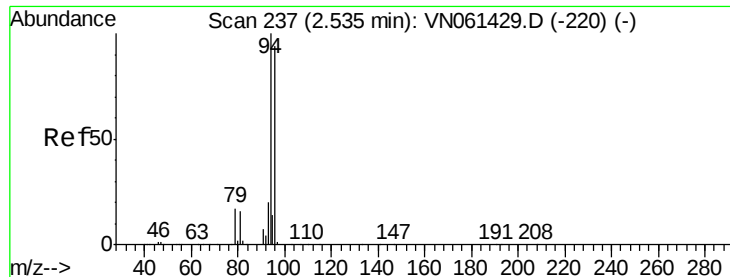
64 37.3 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 0.822 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

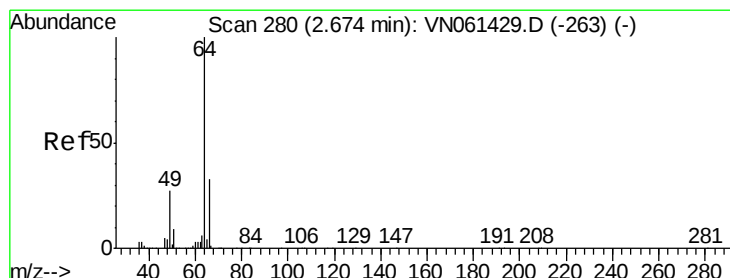
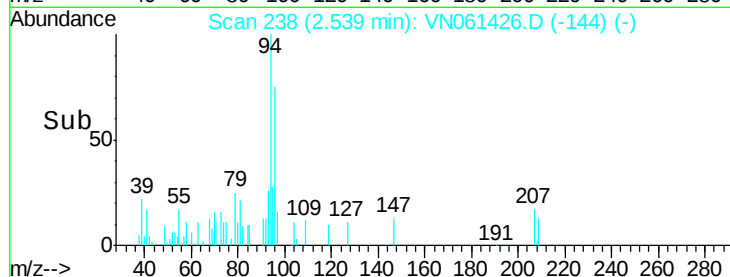
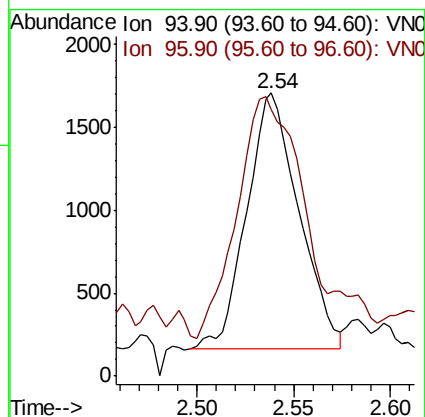
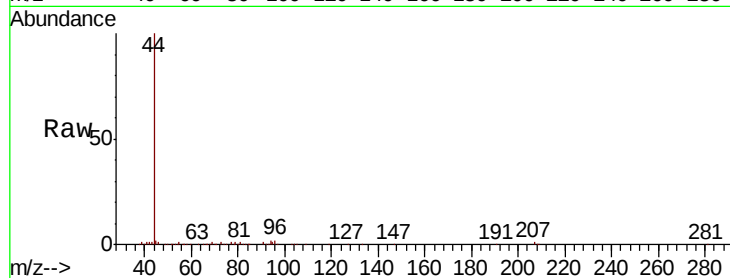
VSTDIC001

Tot Ion: 94 Resp: 2873

Ion Ratio Lower Upper

94 100

96 88.8 74.9 112.3



#6

Chloroethane

Concen: 0.823 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.00 min

Lab File: VN061426.D

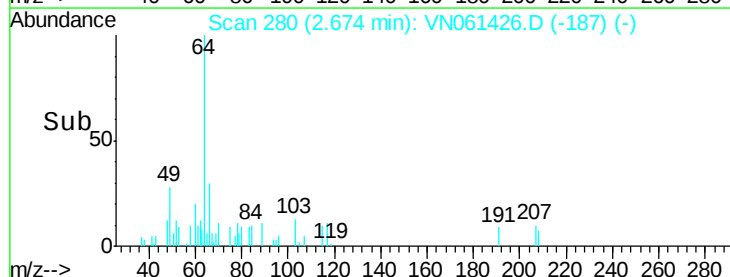
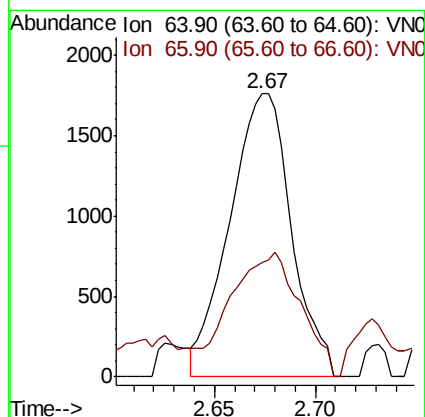
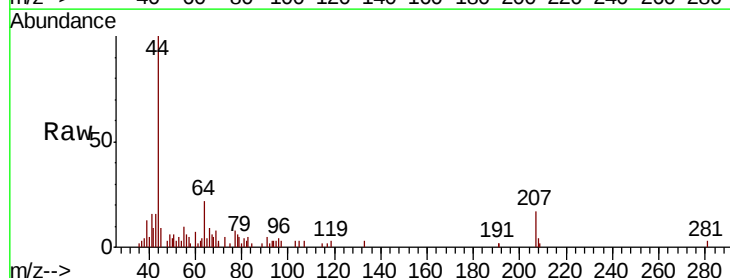
Acq: 18 May 2020 10:50

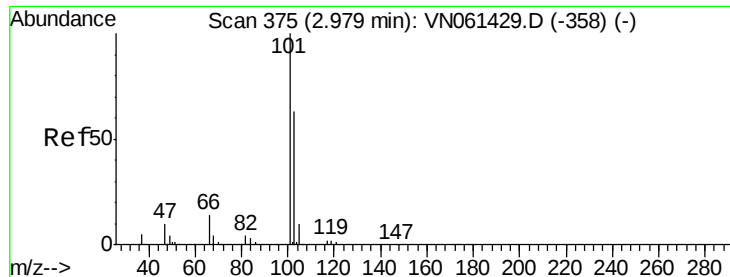
Tgt Ion: 64 Resp: 3764

Ion Ratio Lower Upper

64 100

66 40.2 26.3 39.5#



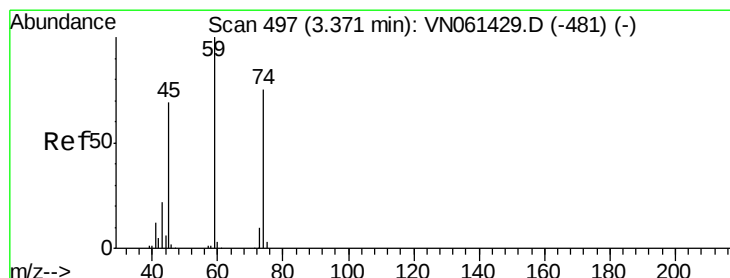
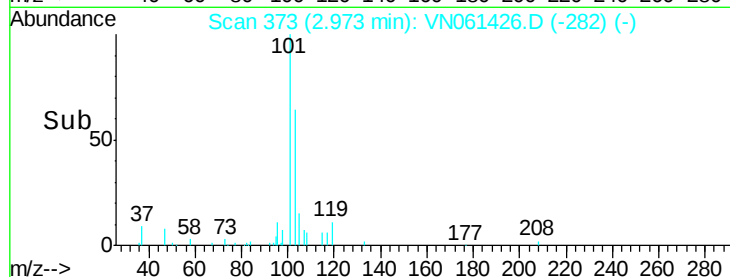
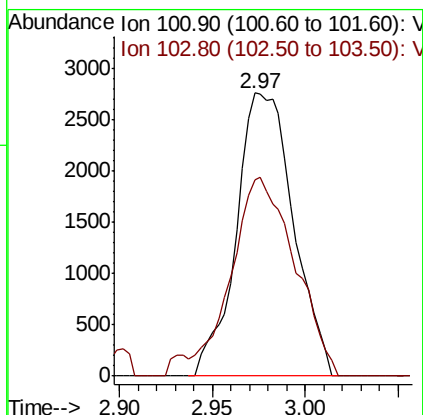
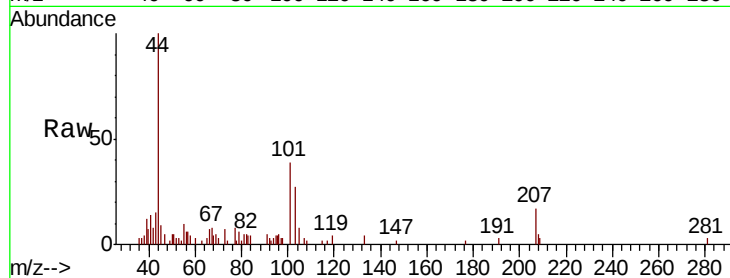


#7

Trichlorofluoromethane
Concen: 0.747 ug/l
RT: 2.97 min Scan# 373
Delta R.T. -0.01 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

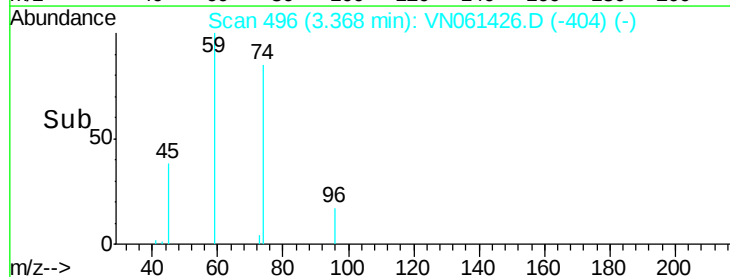
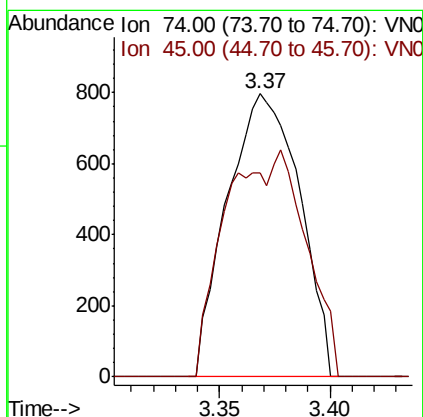
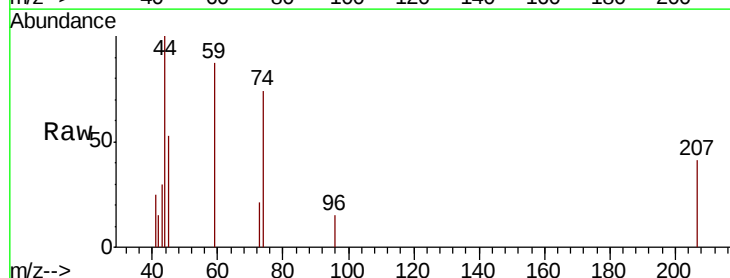
Tot Ion: 101 Resp: 5915
Ion Ratio Lower Upper
101 100
103 69.4 50.2 75.4

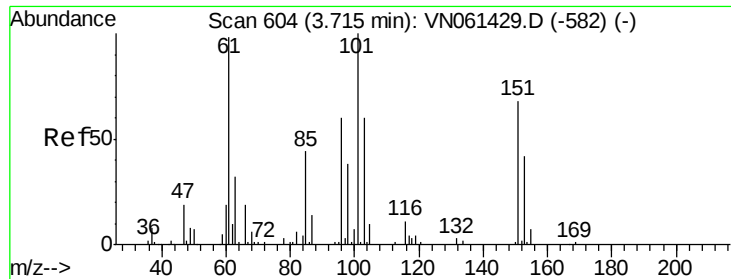


#8

Diethyl Ether
Concen: 1.012 ug/l
RT: 3.37 min Scan# 496
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Tgt Ion: 74 Resp: 1806
Ion Ratio Lower Upper
74 100
45 49.6 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.567 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

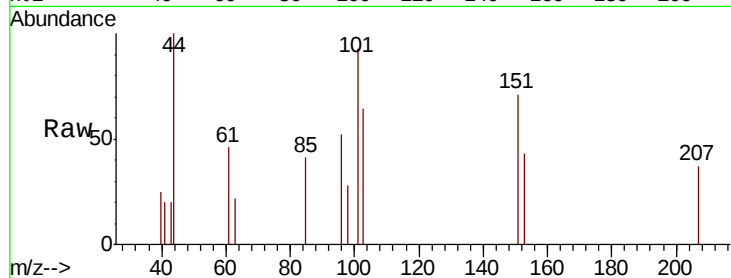
Tot Ion:101 Resp: 1429

Ion Ratio Lower Upper

101 100

85 76.6 36.6 55.0#

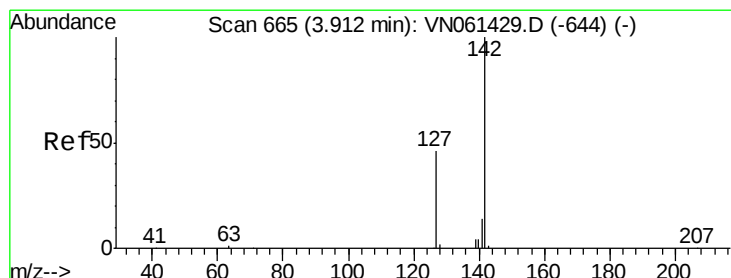
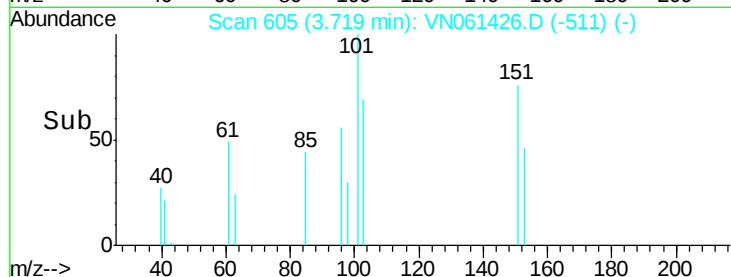
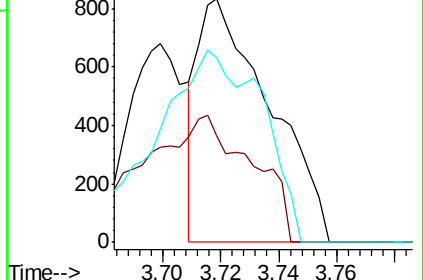
151 112.7 56.3 84.5#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.874 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

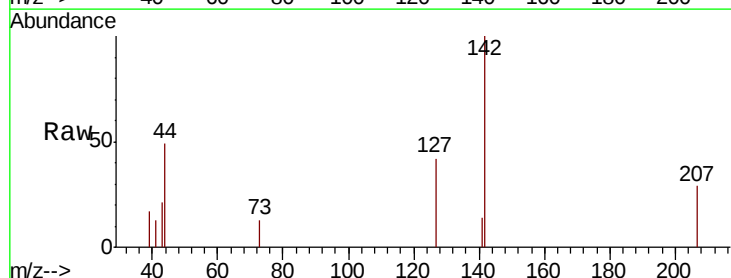
Tgt Ion:142 Resp: 2745

Ion Ratio Lower Upper

142 100

127 45.3 36.7 55.1

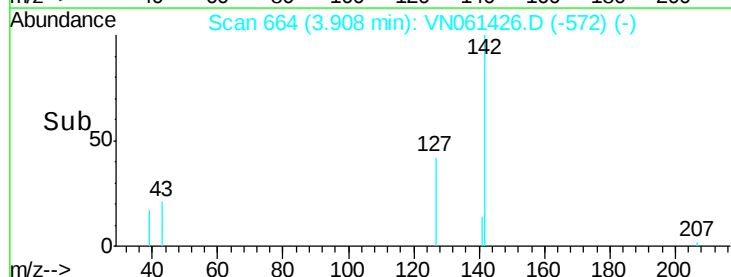
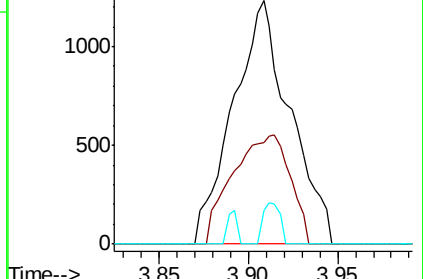
141 5.2 11.5 17.3#

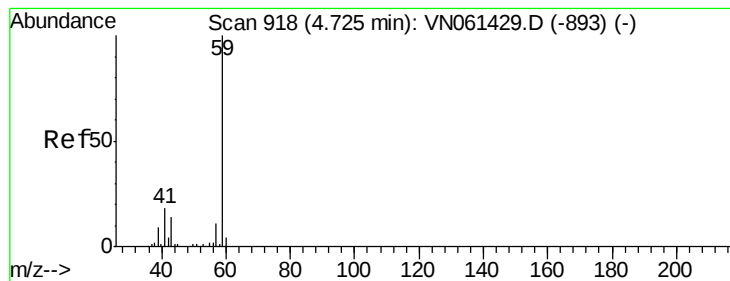


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



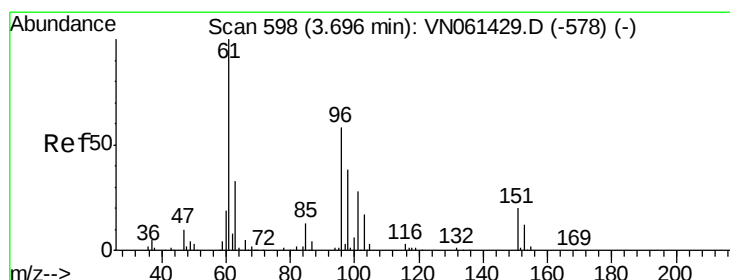
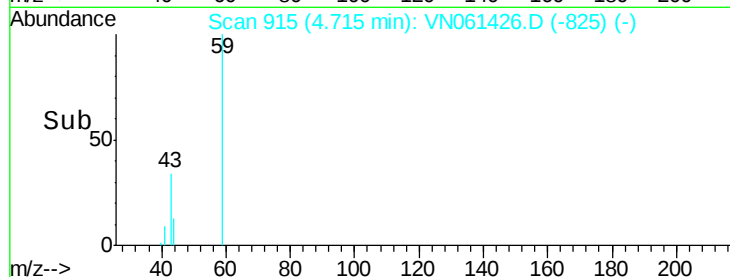
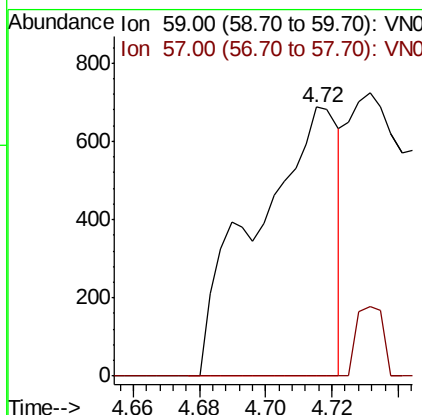
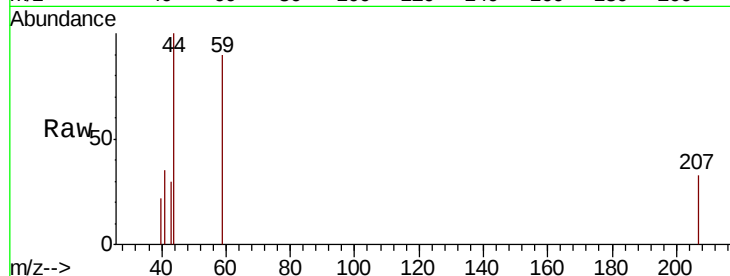


#11

Tert butyl alcohol
Concen: 3.835 ug/l
RT: 4.72 min Scan# 915
Delta R.T. -0.01 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

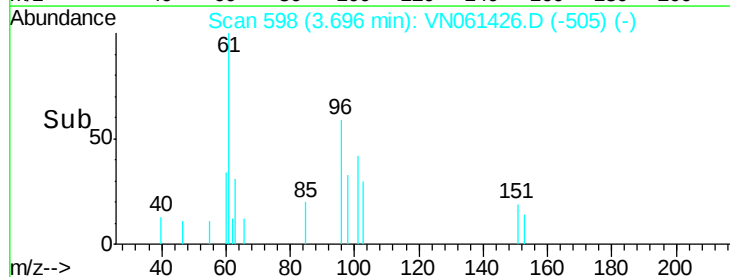
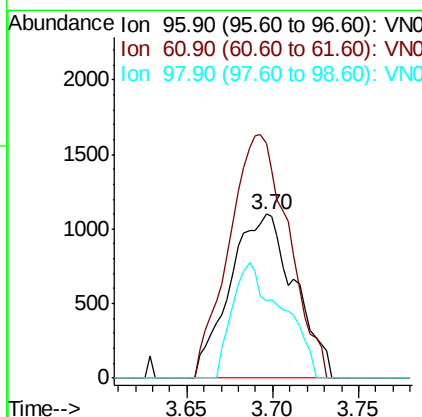
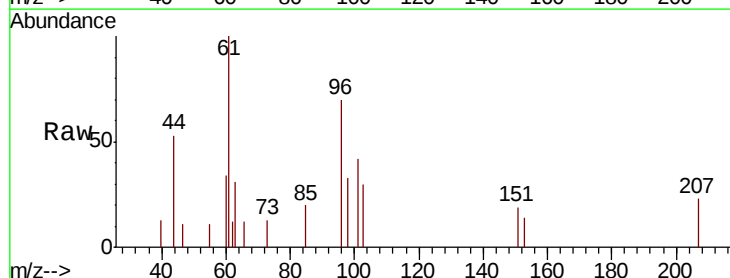
Tot Ion: 59 Resp: 1183
Ion Ratio Lower Upper
59 100
57 8.4 8.2 12.2

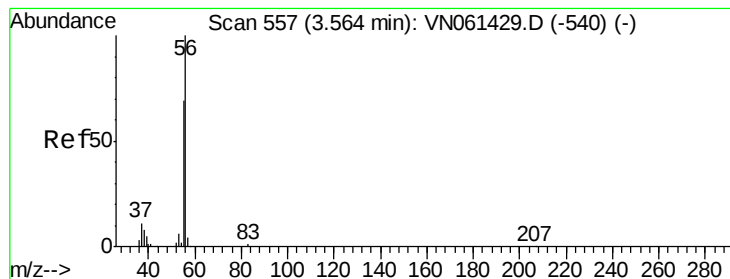


#12

1,1-Dichloroethene
Concen: 1.060 ug/l
RT: 3.70 min Scan# 598
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Tgt Ion: 96 Resp: 2864
Ion Ratio Lower Upper
96 100
61 142.7 138.7 208.1
98 47.1 53.0 79.6#





#13

Acrolein

Concen: 6.219 ug/l

RT: 3.57 min Scan# 560

Delta R.T. 0.01 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampled :

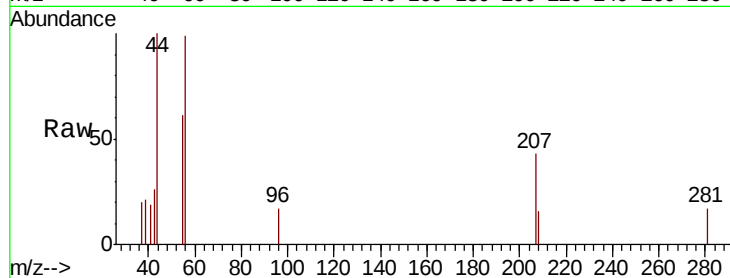
VSTDIC001

Tot Ion: 56 Resp: 2172

Ion Ratio Lower Upper

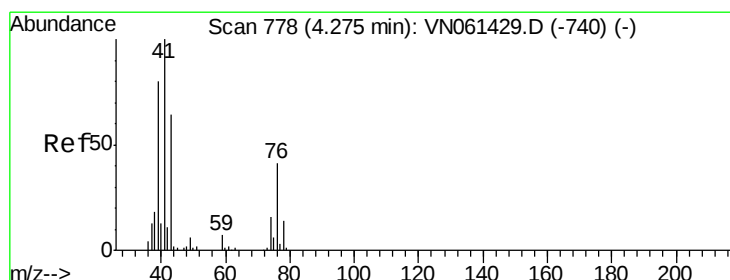
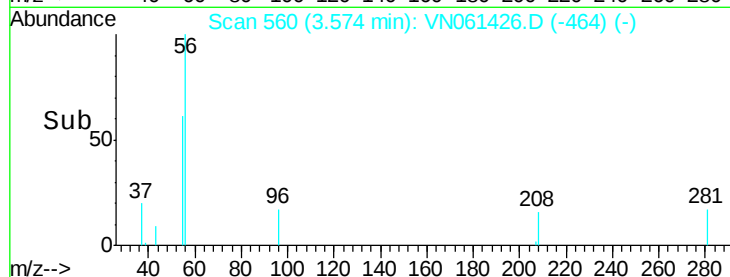
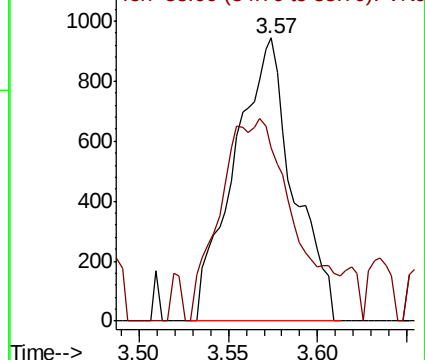
56 100

55 37.5 54.8 82.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 0.876 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

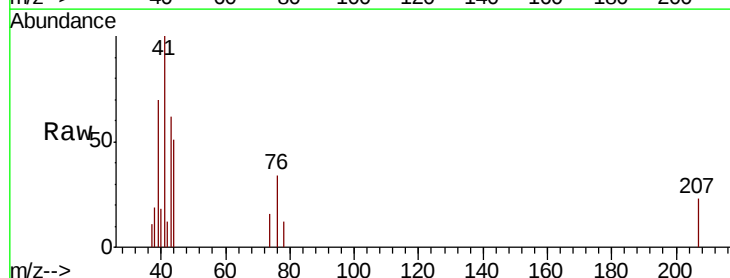
Tgt Ion: 41 Resp: 4195

Ion Ratio Lower Upper

41 100

39 96.3 61.2 91.8#

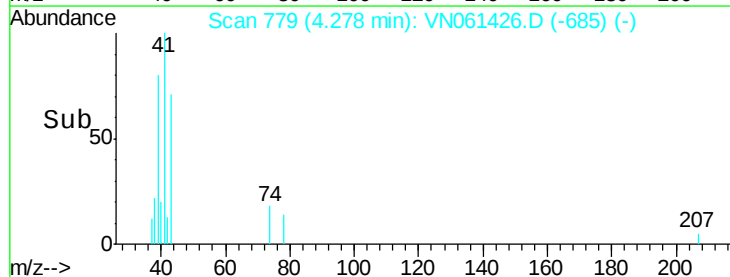
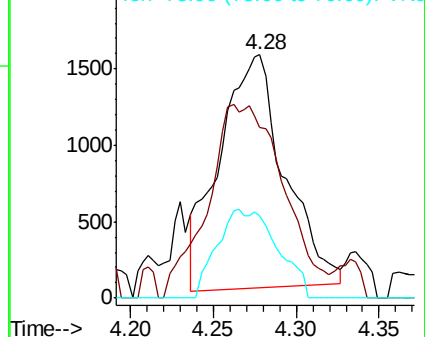
76 34.9 29.9 44.9

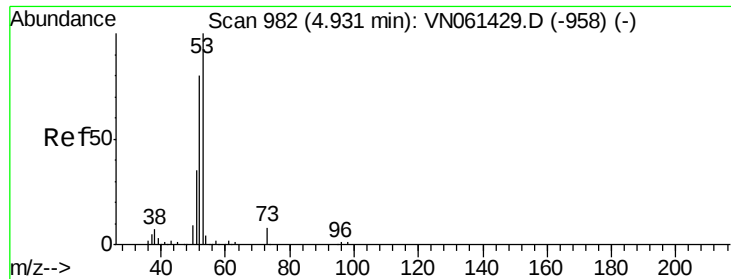


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 4.468 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

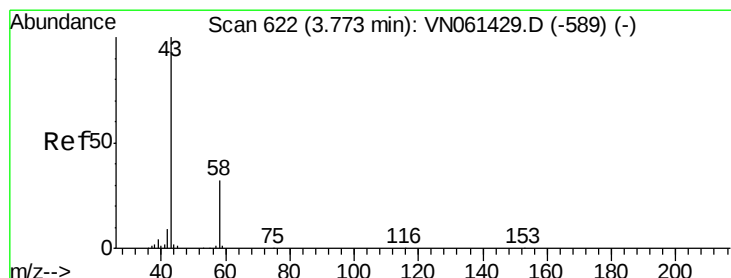
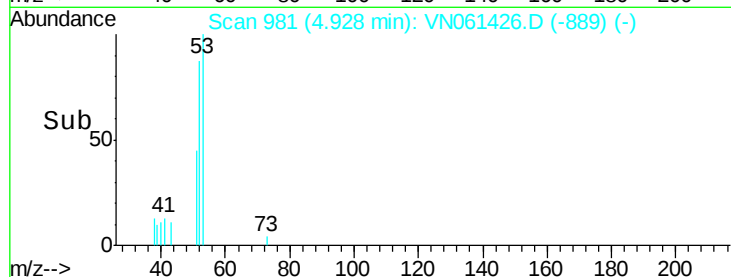
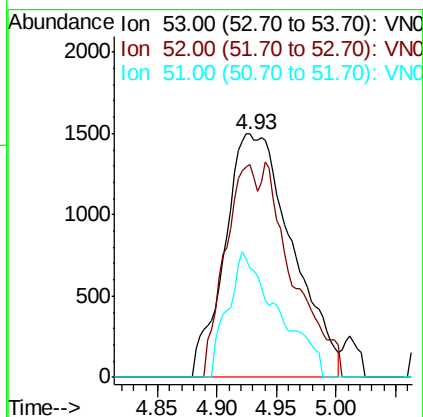
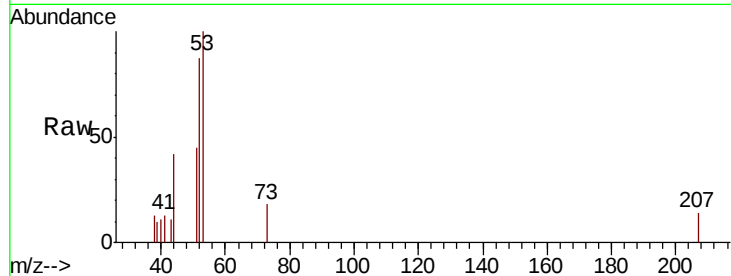
Tot Ion: 53 Resp: 5886

Ion Ratio Lower Upper

53 100

52 41.2 64.7 97.1#

51 38.4 29.5 44.3



#16

Acetone

Concen: 8.793 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061426.D

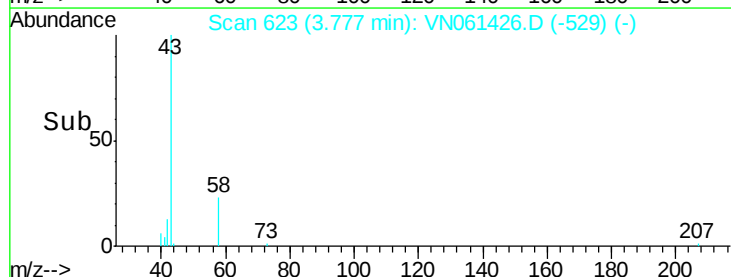
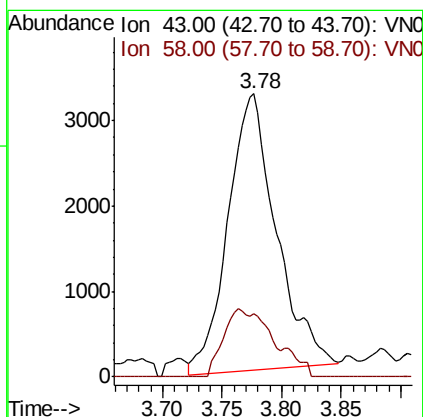
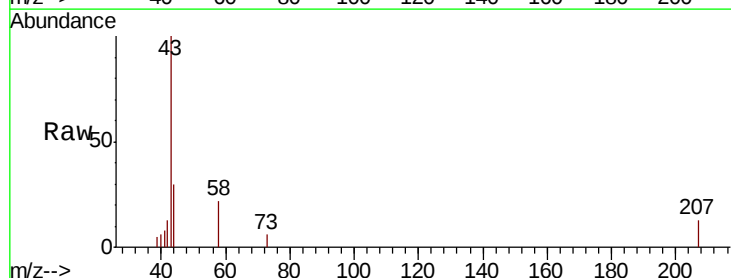
Acq: 18 May 2020 10:50

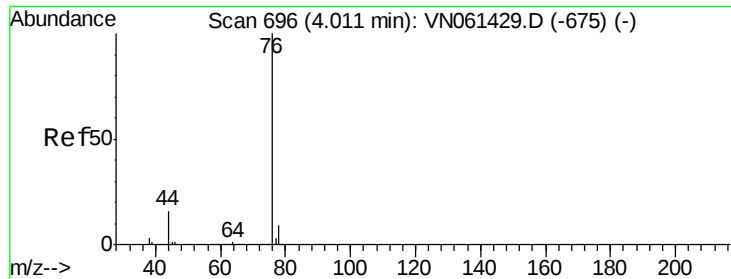
Tgt Ion: 43 Resp: 9077

Ion Ratio Lower Upper

43 100

58 23.3 25.6 38.4#

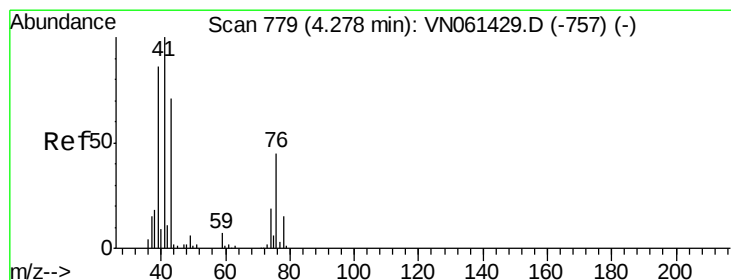
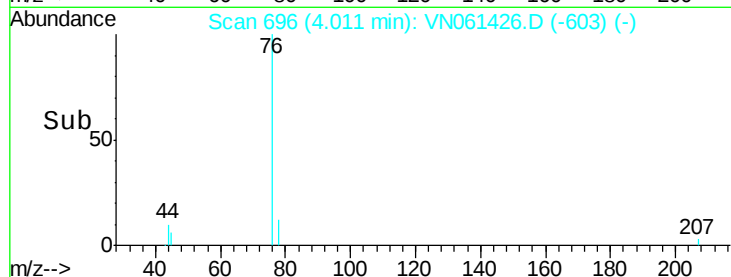
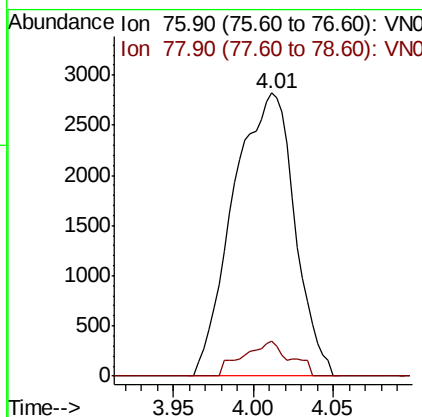
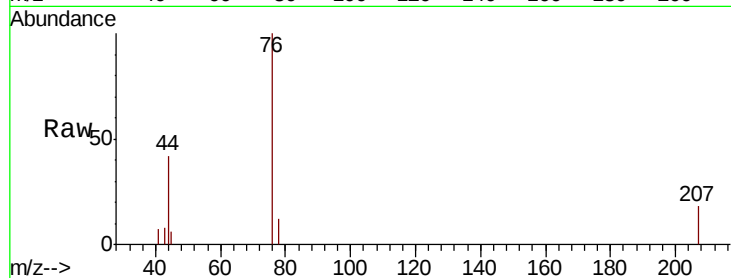




#17
Carbon Disulfide
Concen: 1.067 ug/l
RT: 4.01 min Scan# 696
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

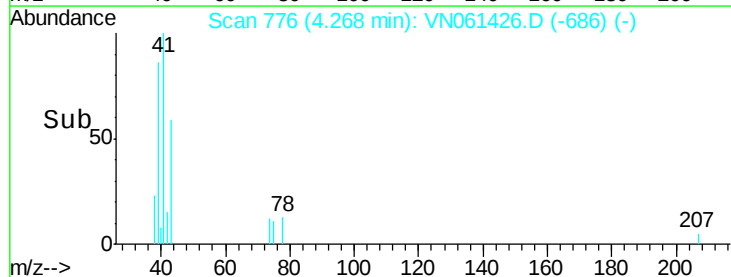
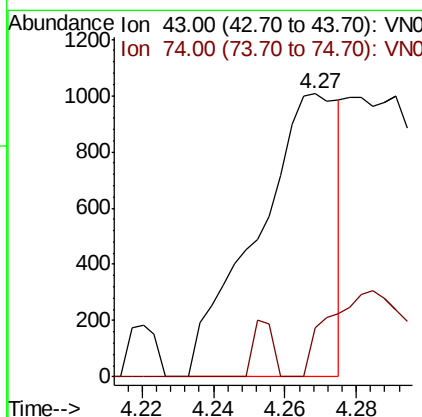
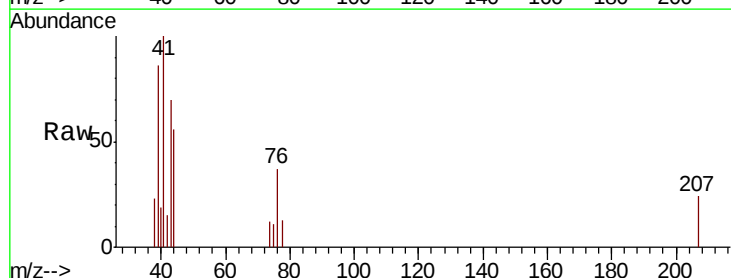
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

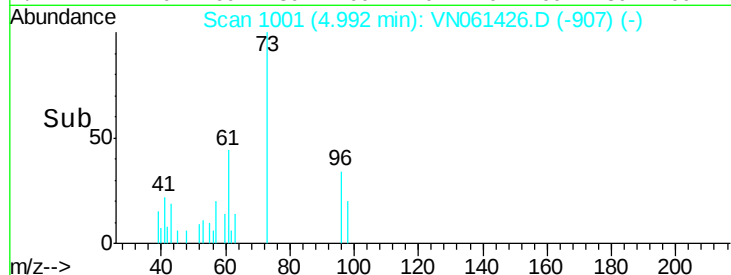
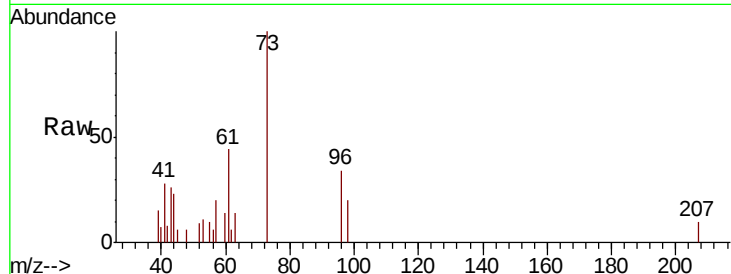
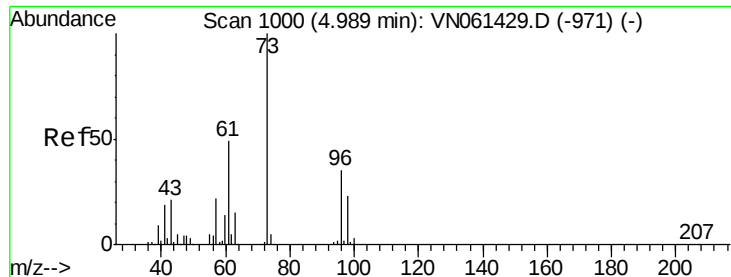
Tot Ion: 76 Resp: 7420
Ion Ratio Lower Upper
76 100
78 12.3 7.4 11.0#



#18
Methyl Acetate
Concen: 0.528 ug/l
RT: 4.27 min Scan# 776
Delta R.T. -0.01 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Tgt Ion: 43 Resp: 1595
Ion Ratio Lower Upper
43 100
74 4.8 20.8 31.2#



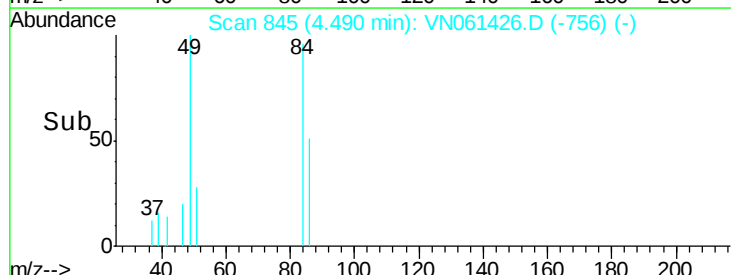
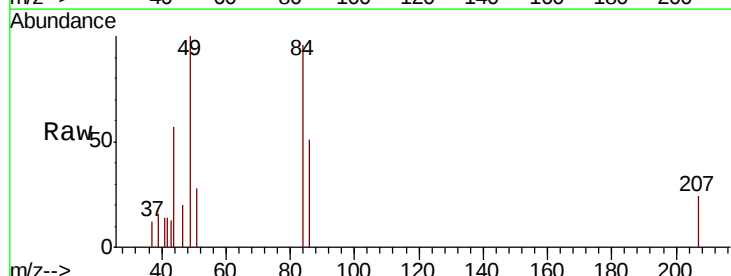
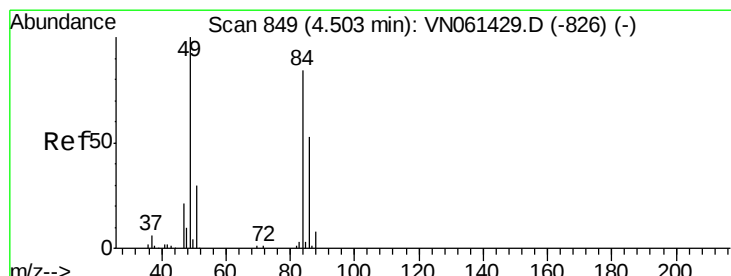
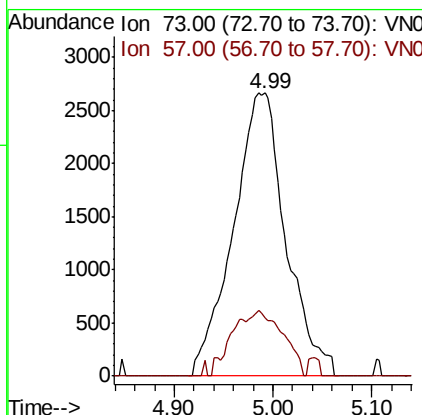


#19

Methyl tert-butyl Ether
Concen: 0.934 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

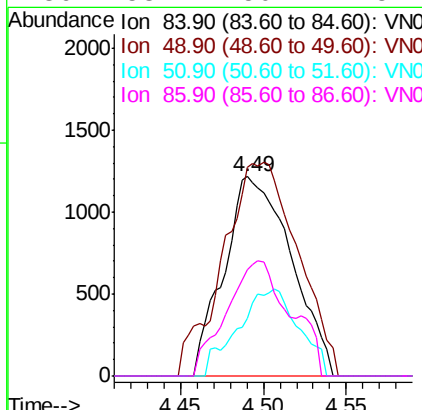
Tot Ion: 73 Resp: 9873
Ion Ratio Lower Upper
73 100
57 20.4 17.4 26.0

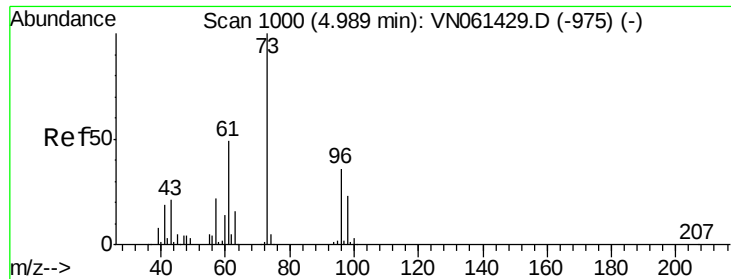


#20

Methylene Chloride
Concen: 1.054 ug/l
RT: 4.49 min Scan# 845
Delta R.T. -0.01 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Tgt Ion: 84 Resp: 3433
Ion Ratio Lower Upper
84 100
49 104.5 95.3 142.9
51 29.1 29.0 43.6
86 53.4 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 0.911 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

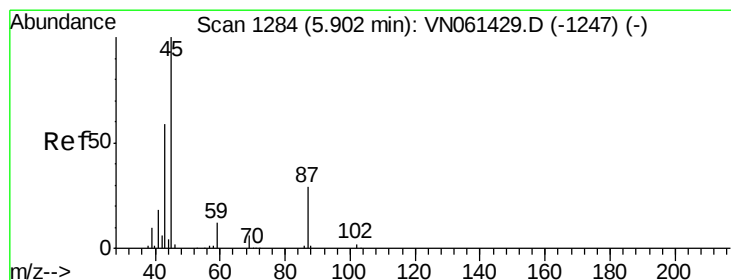
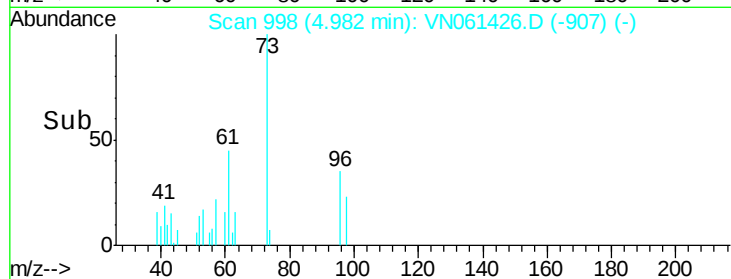
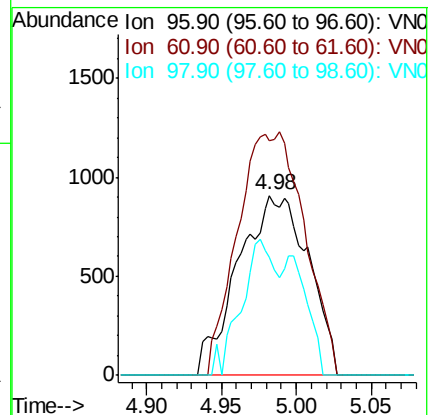
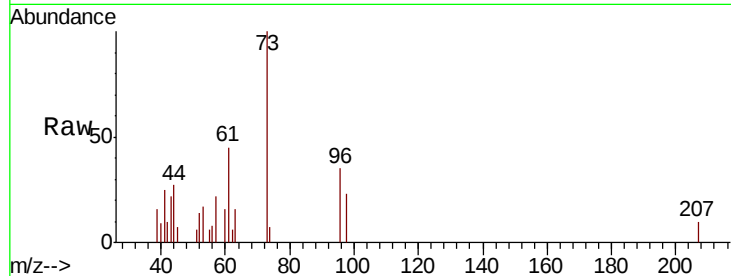
Tot Ion: 96 Resp: 2977

Ion Ratio Lower Upper

96 100

61 130.5 109.8 164.6

98 65.6 52.4 78.6



#22

Diisopropyl ether

Concen: 0.865 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Tgt Ion: 45 Resp: 9211

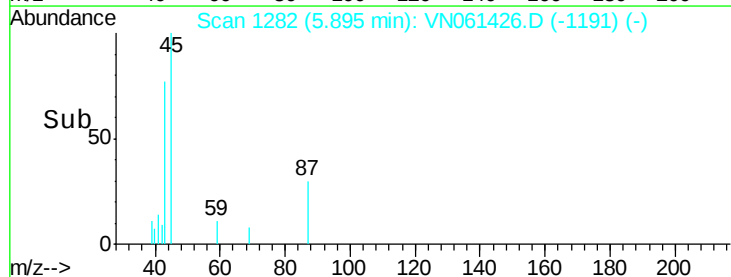
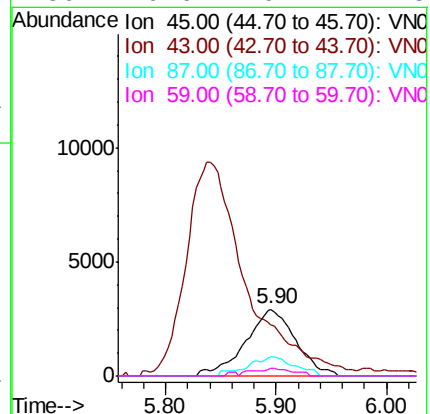
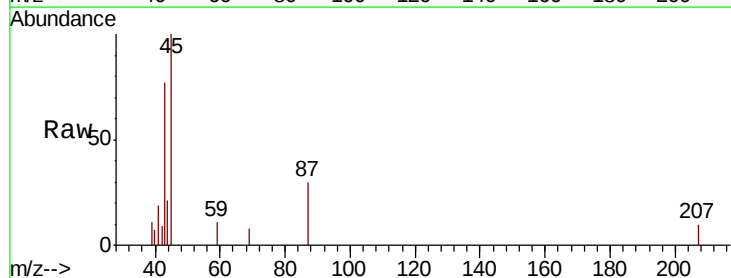
Ion Ratio Lower Upper

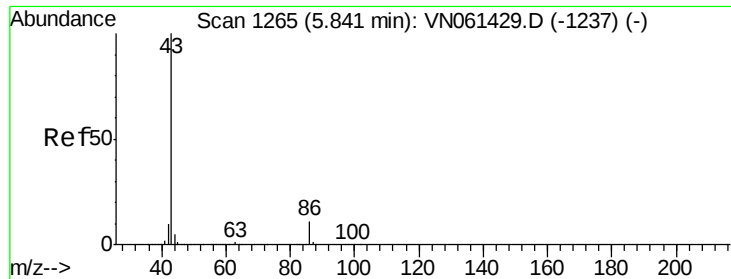
45 100

43 64.4 47.9 71.9

87 29.5 24.0 36.0

59 10.6 9.7 14.5





#23

Vinyl Acetate

Concen: 4.126 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampled :

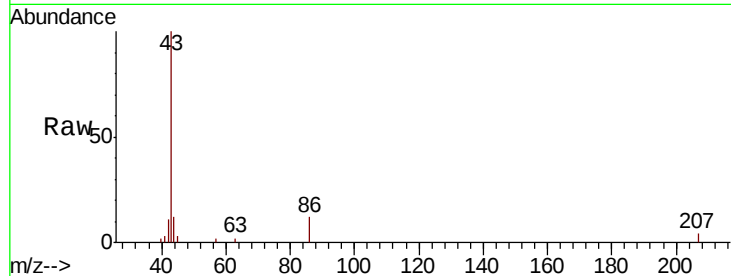
VSTDIC001

Tot Ion: 43 Resp: 35777

Ion Ratio Lower Upper

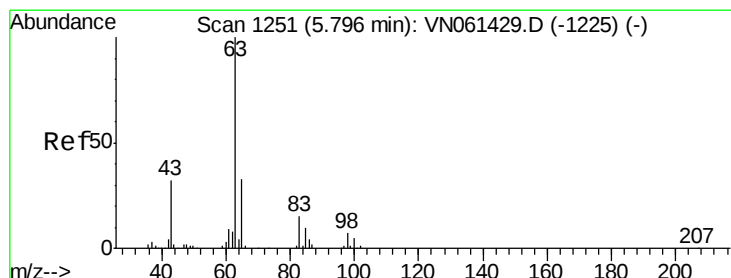
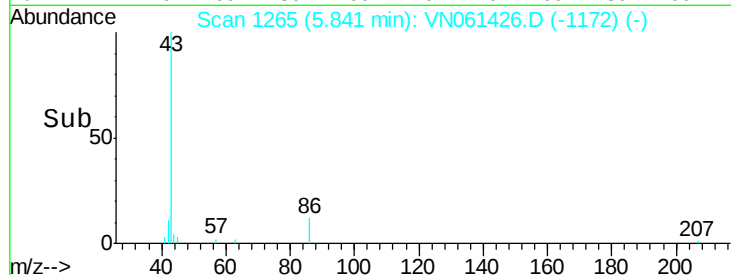
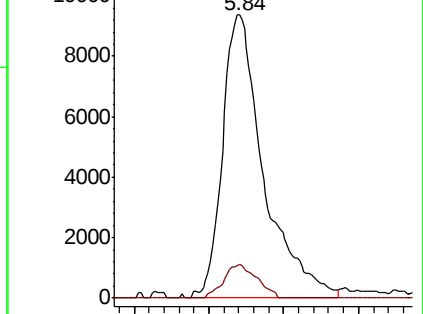
43 100

86 12.0 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 0.870 ug/l

RT: 5.79 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

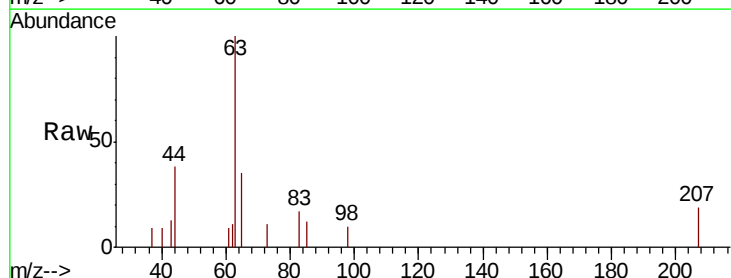
Tgt Ion: 63 Resp: 5296

Ion Ratio Lower Upper

63 100

98 9.8 3.5 10.5

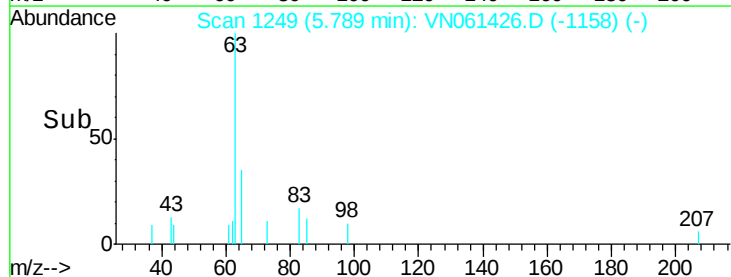
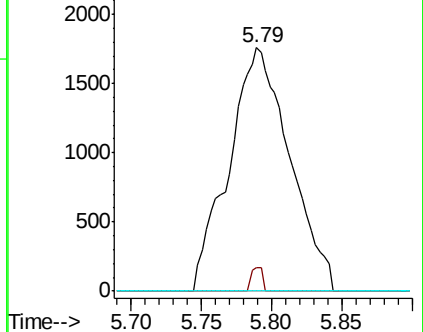
100 0.0 2.3 6.9#

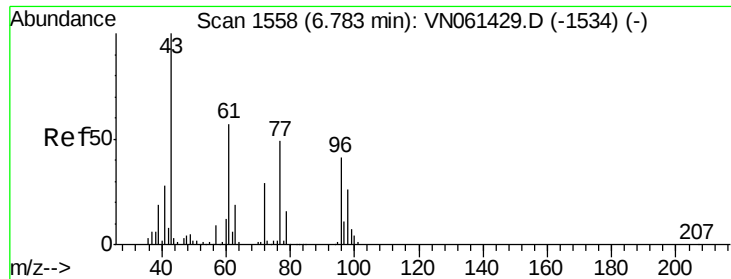


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

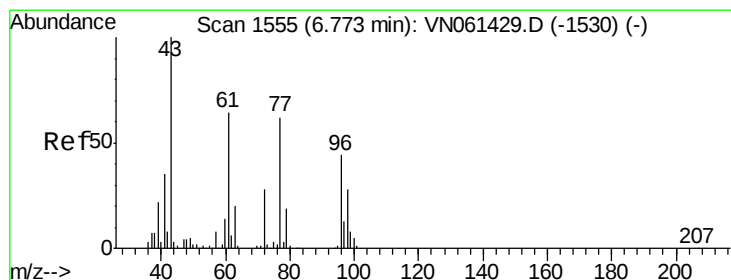
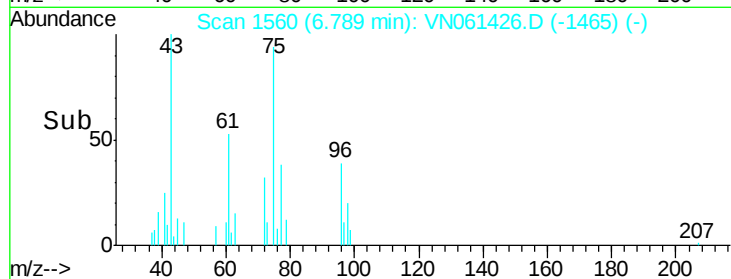
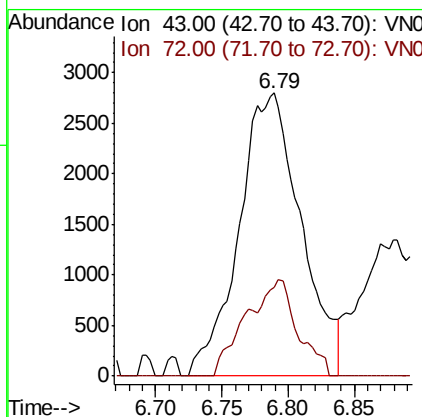
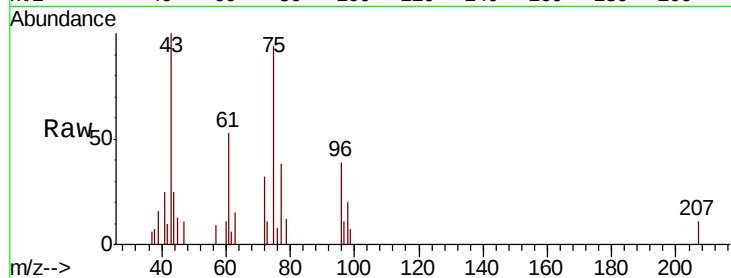




#25
2-Butanone
Concen: 5.354 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.01 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

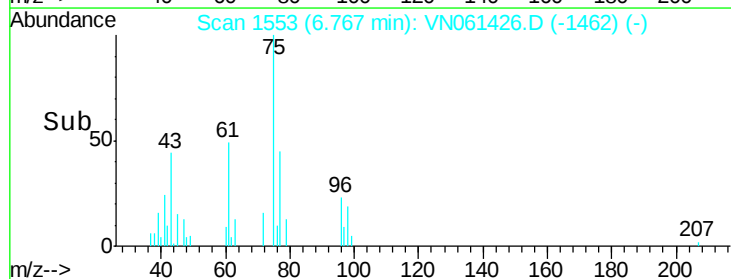
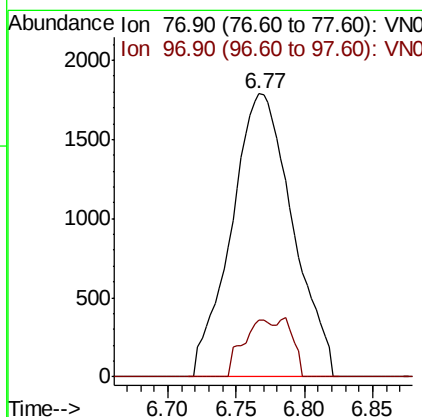
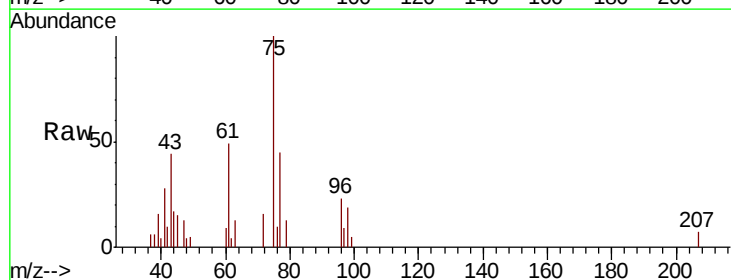
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

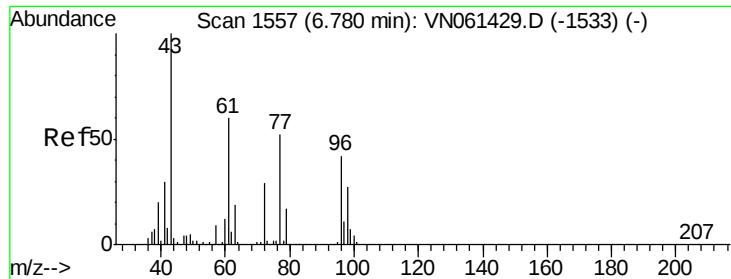
Tot Ion: 43 Resp: 9149
Ion Ratio Lower Upper
43 100
72 31.6 23.0 34.6



#26
2,2-Dichloropropane
Concen: 1.069 ug/l
RT: 6.77 min Scan# 1553
Delta R.T. -0.01 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Tgt Ion: 77 Resp: 5571
Ion Ratio Lower Upper
77 100
97 9.6 10.9 32.9#





#27

cis-1,2-Dichloroethene

Concen: 0.900 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

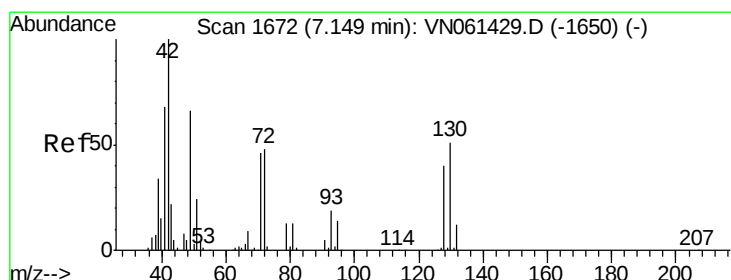
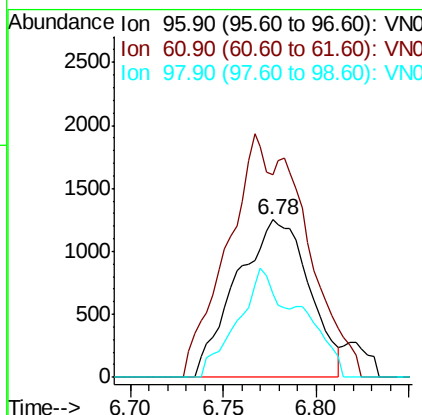
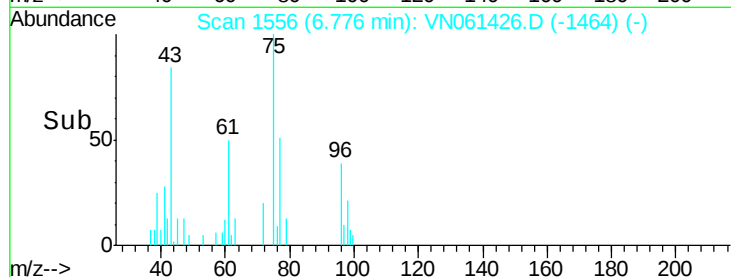
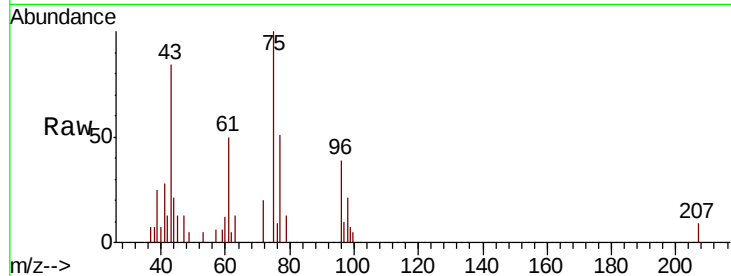
Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 96 Resp: 3416

Ion	Ratio	Lower	Upper
96	100		
61	93.2	0.0	294.2
98	41.9	0.0	128.2



#28

Bromochloromethane

Concen: 0.362 ug/l

RT: 7.14 min Scan# 1670

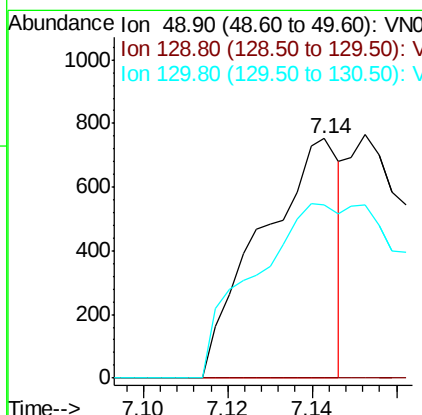
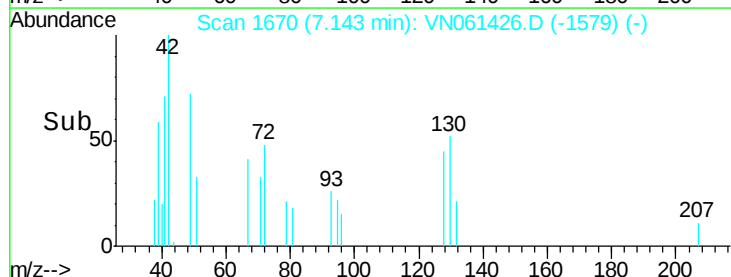
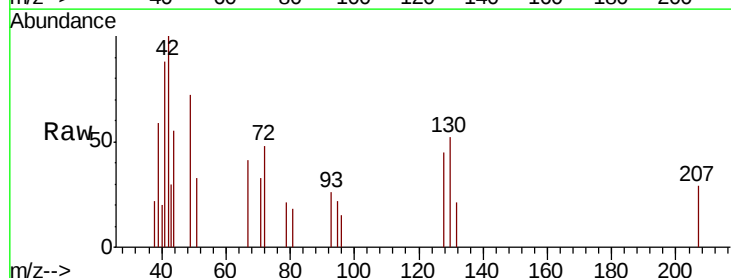
Delta R.T. -0.01 min

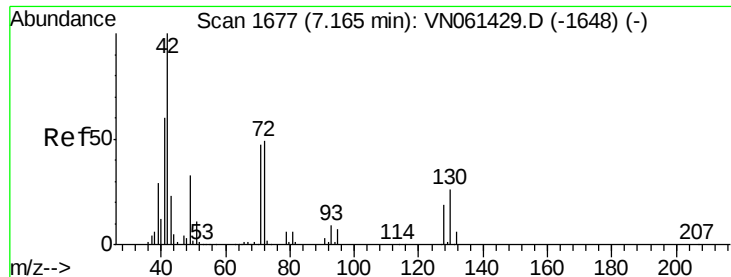
Lab File: VN061426.D

Acq: 18 May 2020 10:50

Tgt Ion: 49 Resp: 966

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	80.0	62.2	93.2

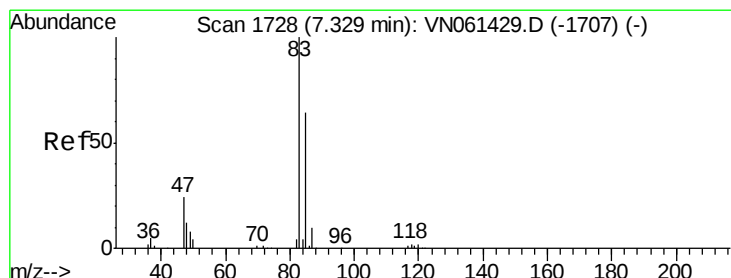
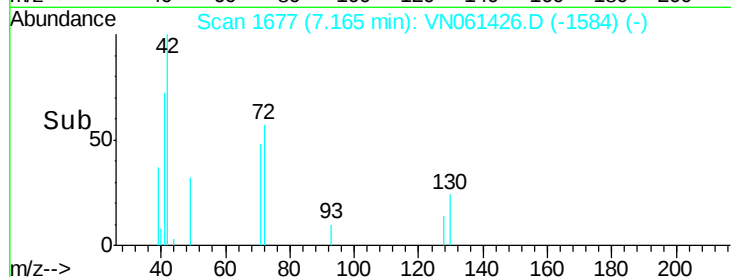
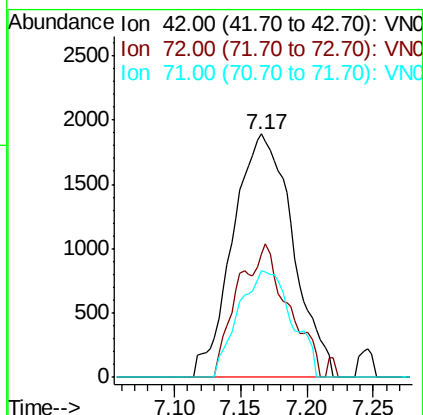
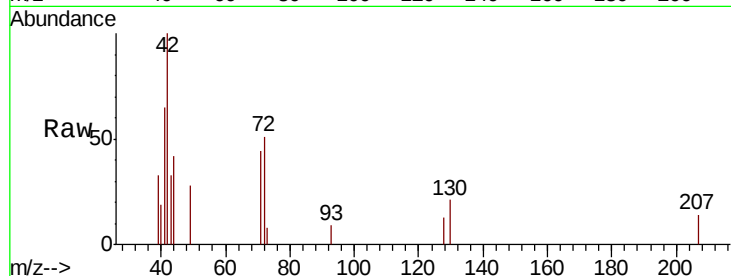




#29
Tetrahydrofuran
Concen: 5.129 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

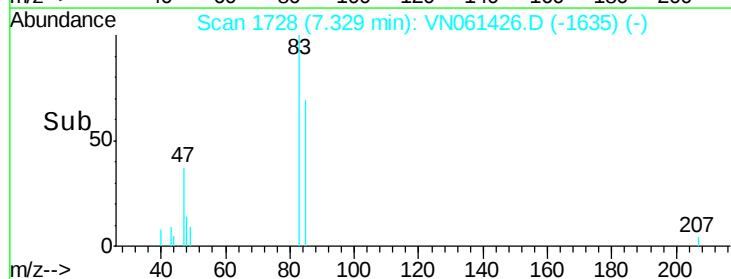
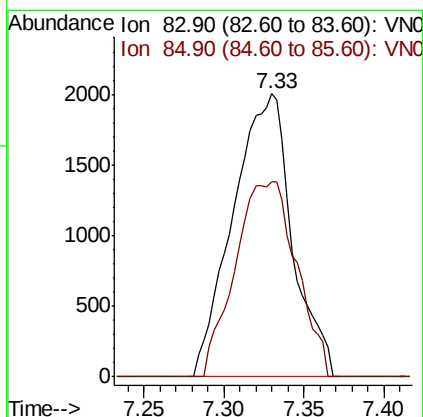
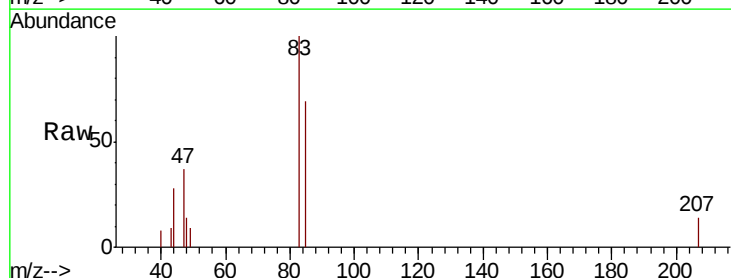
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

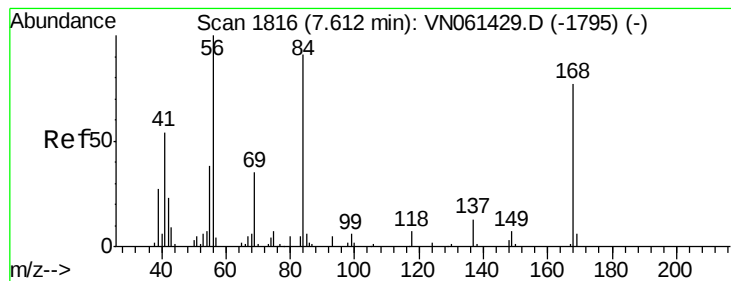
Tot Ion: 42 Resp: 5949
Ion Ratio Lower Upper
42 100
72 26.2 39.0 58.6#
71 38.9 36.9 55.3



#30
Chloroform
Concen: 0.797 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Tgt Ion: 83 Resp: 5087
Ion Ratio Lower Upper
83 100
85 68.8 51.0 76.4





#31

Cyclohexane

Concen: 1.095 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

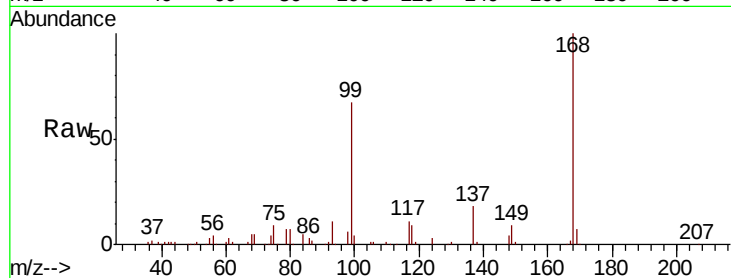
Tot Ion: 56 Resp: 6542

Ion Ratio Lower Upper

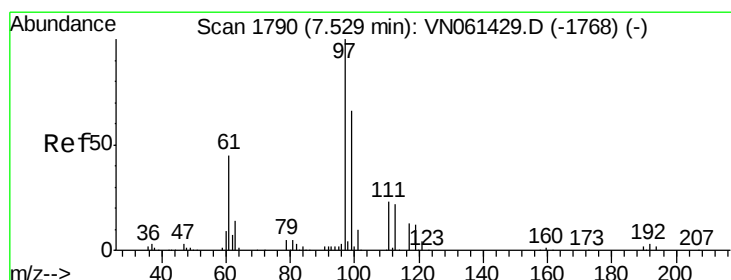
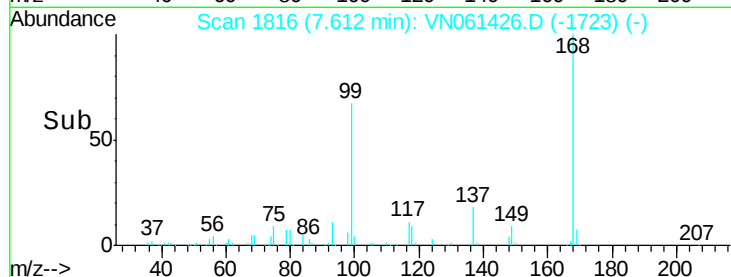
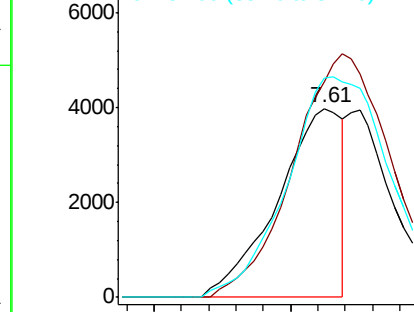
56 100

69 114.0 27.8 41.6#

84 116.2 72.7 109.1#



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



#32

1,1,1-Trichloroethane

Concen: 0.884 ug/l

RT: 7.52 min Scan# 1787

Delta R.T. -0.01 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

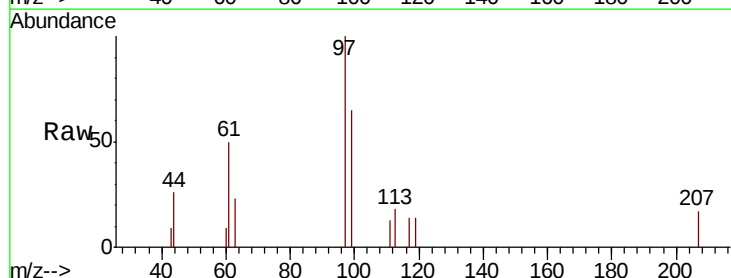
Tgt Ion: 97 Resp: 5026

Ion Ratio Lower Upper

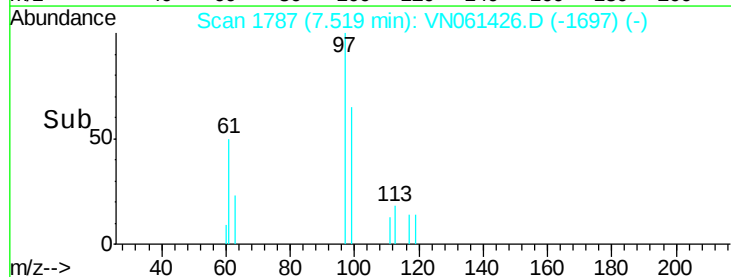
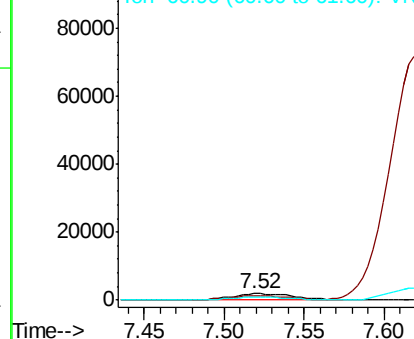
97 100

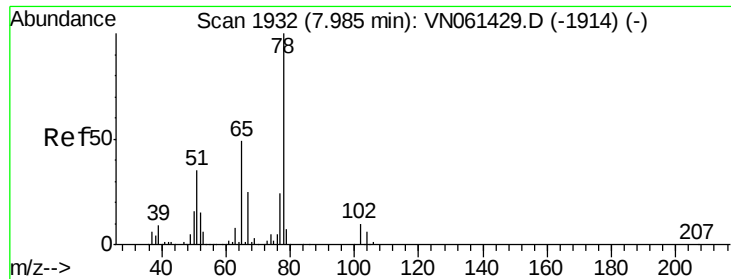
99 0.0 51.5 77.3#

61 45.3 35.8 53.6



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

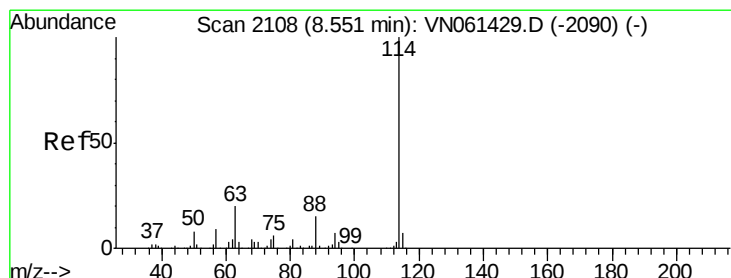
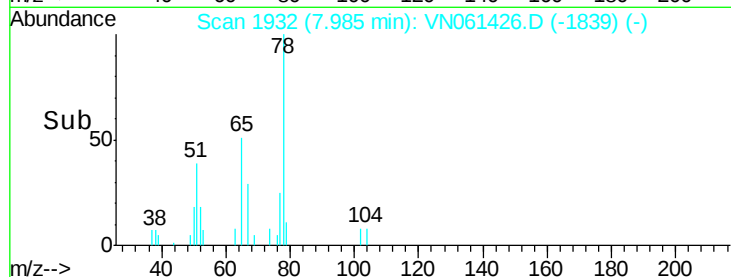
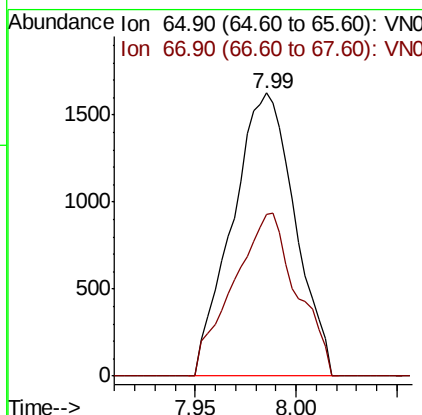
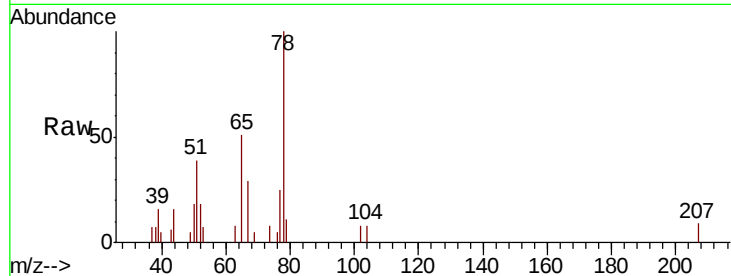




#33
 1,2-Dichloroethane-d4
 Concen: 0.860 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

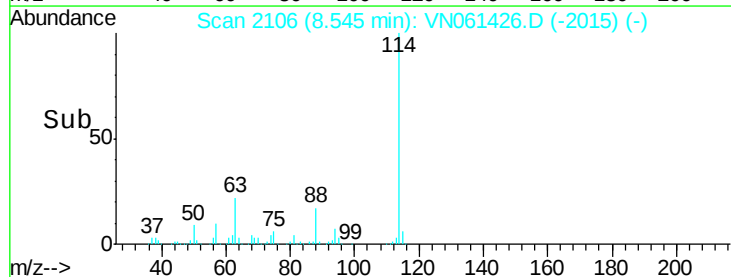
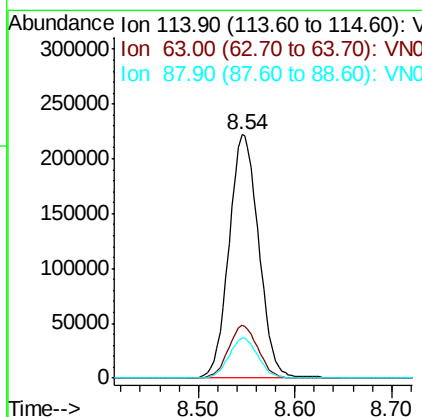
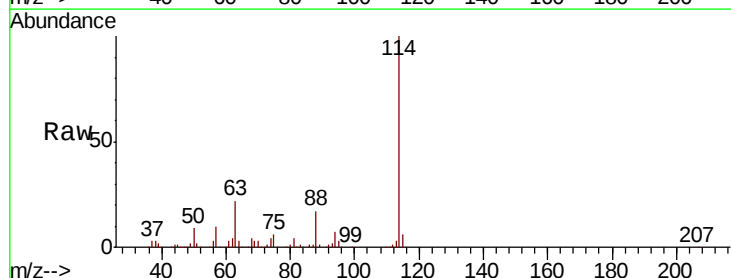
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

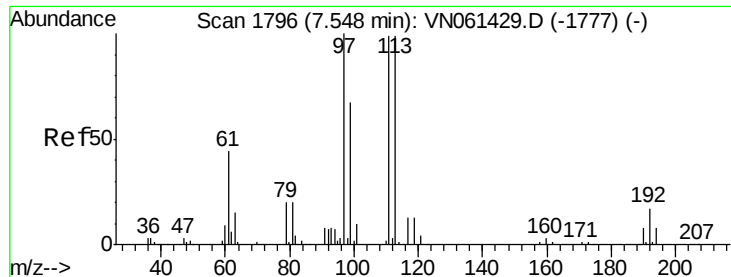
Tot Ion: 65 Resp: 3517
 Ion Ratio Lower Upper
 65 100
 67 58.3 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.54 min Scan# 2106
 Delta R.T. -0.01 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

Tgt Ion: 114 Resp: 473621
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 40.8
 88 16.6 0.0 30.8





#35

Dibromofluoromethane

Concen: 1.047 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

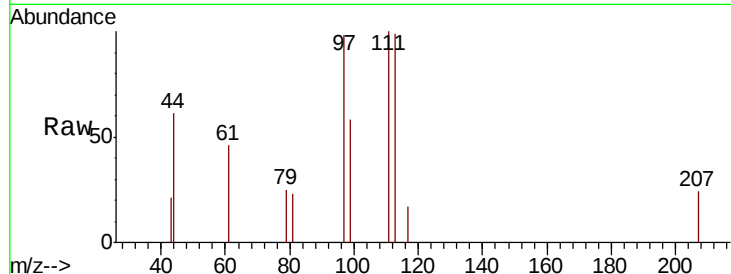
Tot Ion:113 Resp: 2492

Ion Ratio Lower Upper

113 100

111 97.3 80.6 121.0

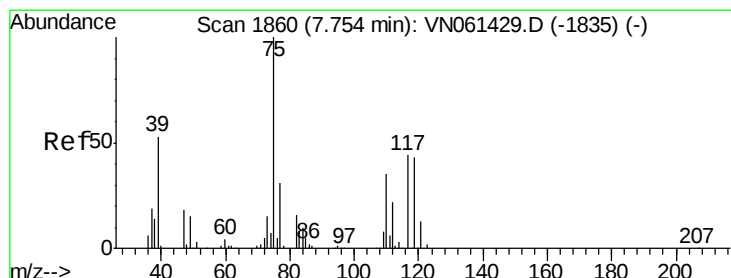
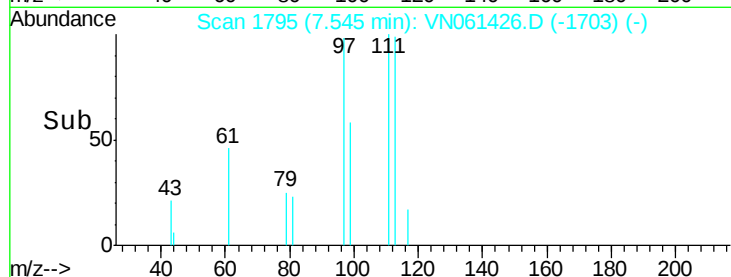
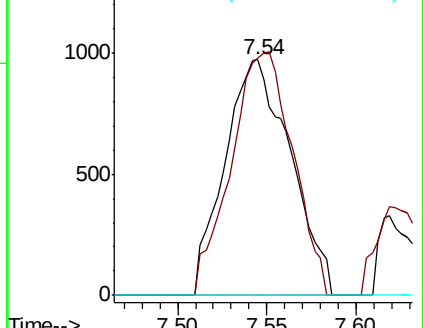
192 0.0 13.2 19.8#



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 0.846 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

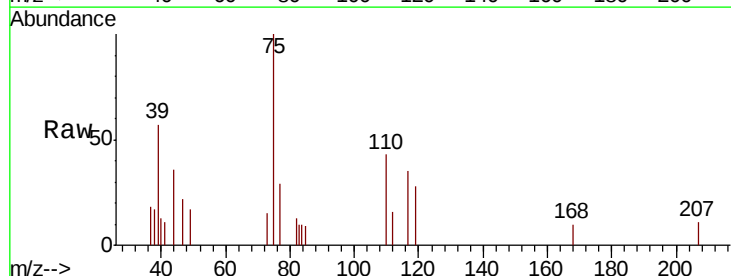
Tgt Ion: 75 Resp: 3997

Ion Ratio Lower Upper

75 100

110 36.6 17.3 51.9

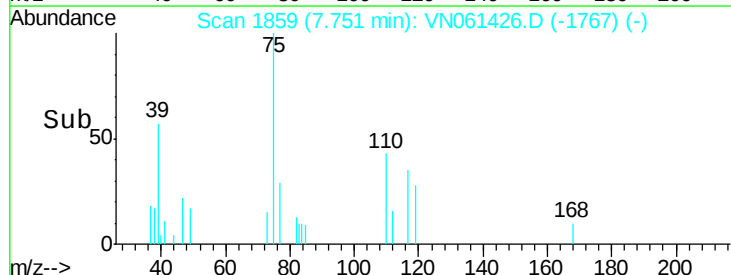
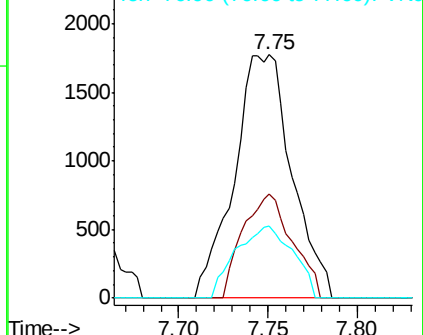
77 29.3 24.9 37.3

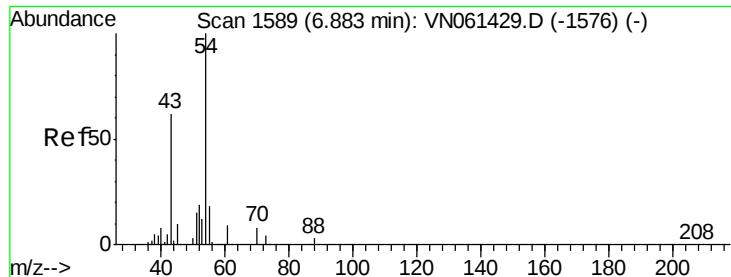


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 0.307 ug/l

RT: 6.88 min Scan# 1589

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

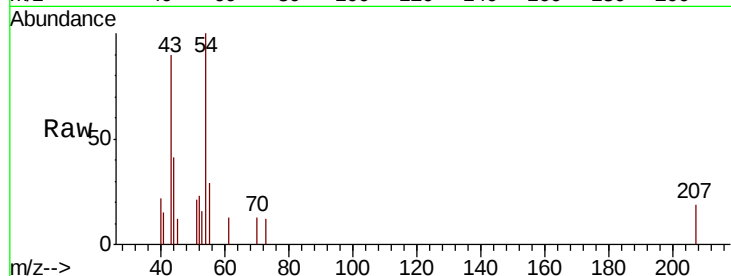
Tot Ion: 43 Resp: 1209

Ion Ratio Lower Upper

43 100

61 28.6 11.7 17.5#

70 14.4 9.2 13.8#

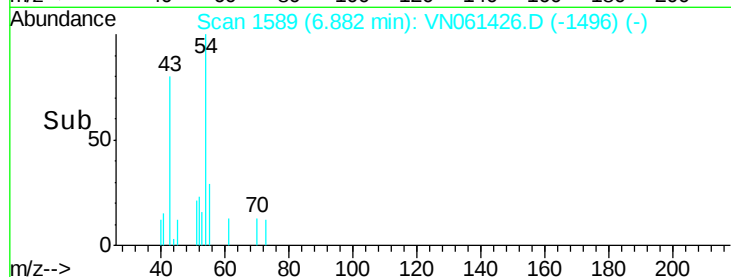


Abundance Ion 43.00 (42.70 to 43.70): VN061426.D (-1496) (-)

Ion 60.90 (60.60 to 61.60): VN061426.D (-1496) (-)

Ion 70.00 (69.70 to 70.70): VN061426.D (-1496) (-)

Time-->



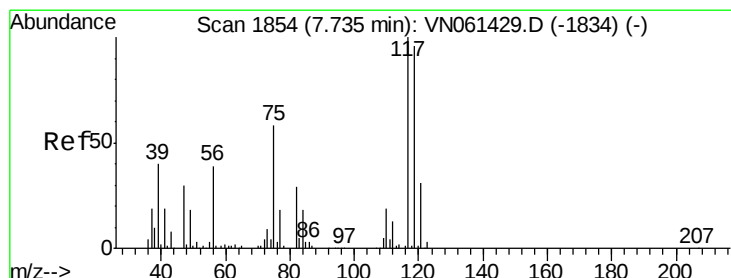
Abundance

Ion 43.00 (42.70 to 43.70): VN061426.D (-1496) (-)

Ion 60.90 (60.60 to 61.60): VN061426.D (-1496) (-)

Ion 70.00 (69.70 to 70.70): VN061426.D (-1496) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 0.754 ug/l

RT: 7.72 min Scan# 1850

Delta R.T. -0.01 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

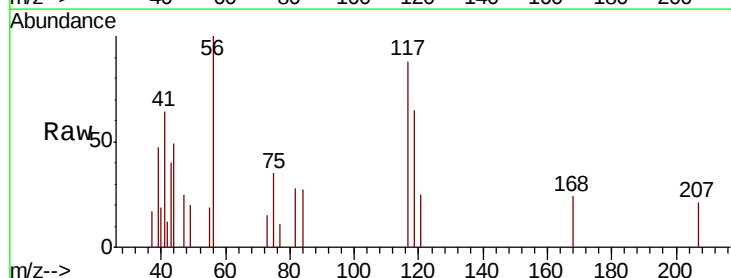
Tgt Ion: 117 Resp: 3056

Ion Ratio Lower Upper

117 100

119 73.5 77.0 115.6#

121 27.9 24.7 37.1

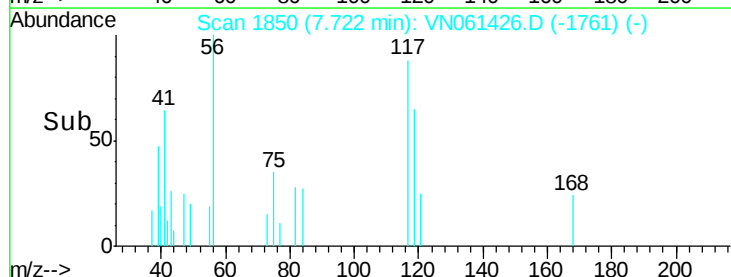


Abundance Ion 116.80 (116.50 to 117.50): VN061426.D (-1761) (-)

Ion 118.80 (118.50 to 119.50): VN061426.D (-1761) (-)

Ion 120.80 (120.50 to 121.50): VN061426.D (-1761) (-)

Time-->



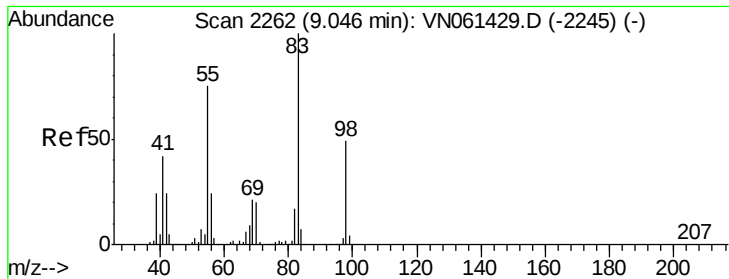
Abundance

Ion 116.80 (116.50 to 117.50): VN061426.D (-1761) (-)

Ion 118.80 (118.50 to 119.50): VN061426.D (-1761) (-)

Ion 120.80 (120.50 to 121.50): VN061426.D (-1761) (-)

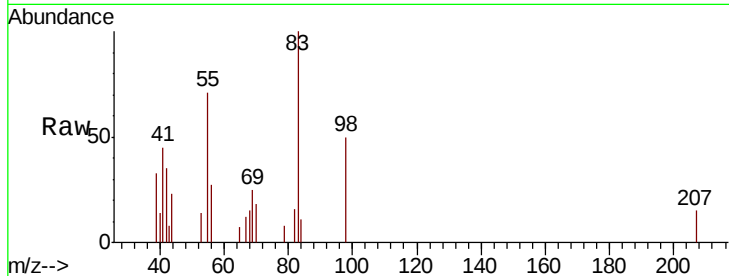
Time-->



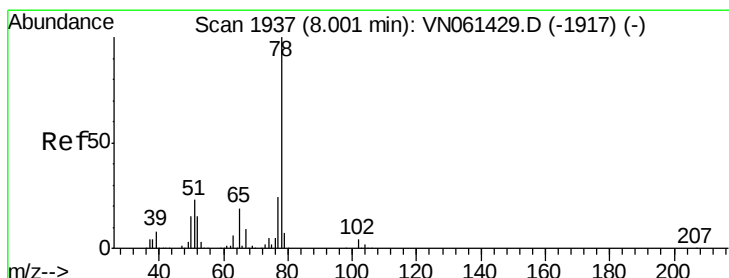
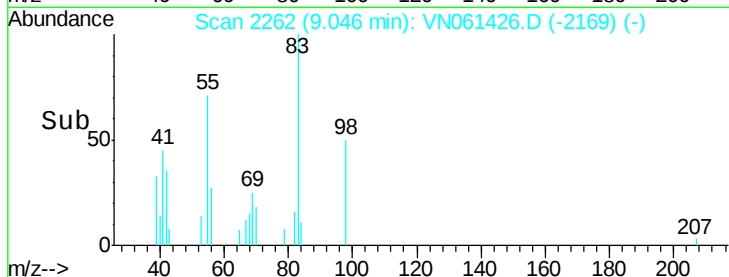
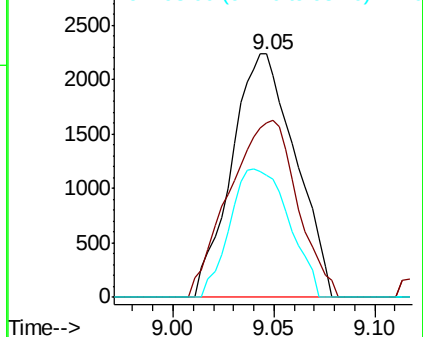
#39
Methvlcvclohexane
Concen: 0.873 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 83 Resp: 4911
Ion Ratio Lower Upper
83 100
55 71.5 59.7 89.5
98 50.2 38.9 58.3

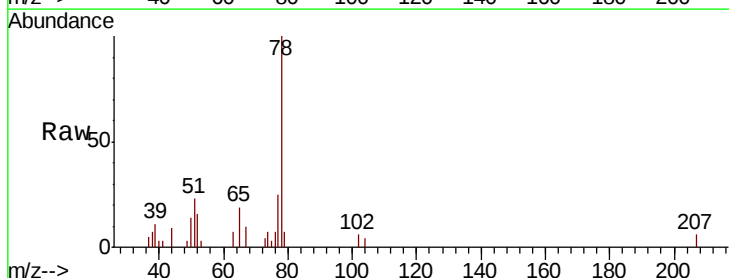


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

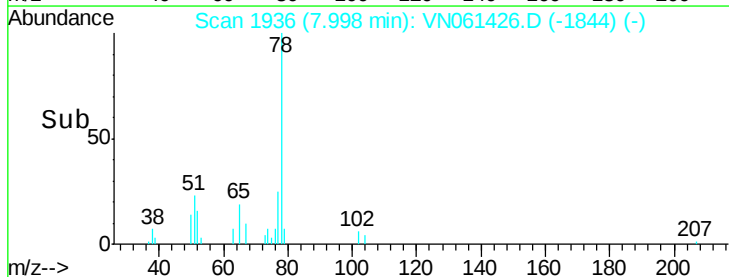
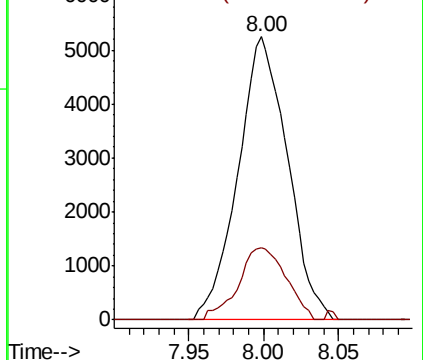


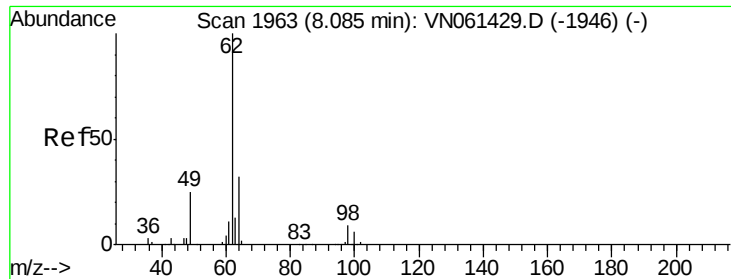
#40
Benzene
Concen: 0.867 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Tgt Ion: 78 Resp: 12054
Ion Ratio Lower Upper
78 100
77 25.4 19.1 28.7



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





#42

1,2-Dichloroethane

Concen: 0.891 ug/l

RT: 8.08 min Scan# 1962

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

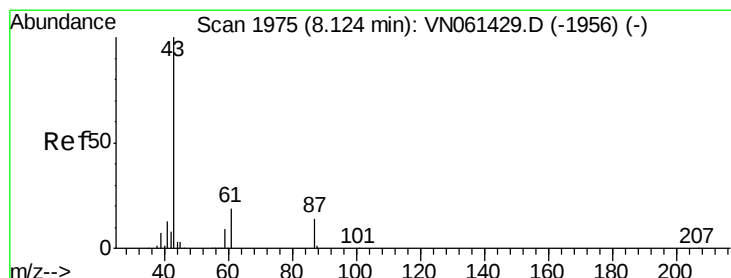
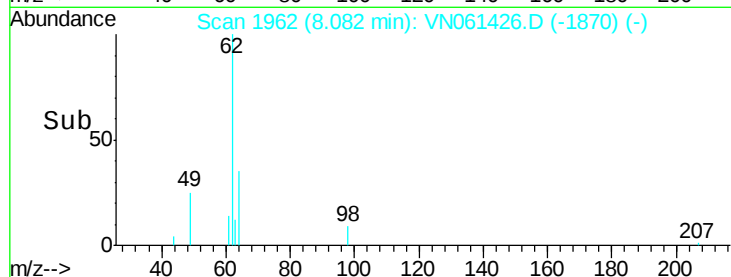
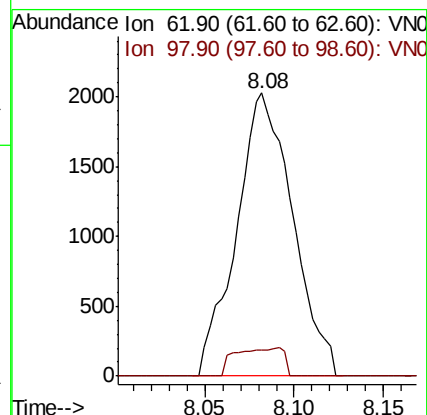
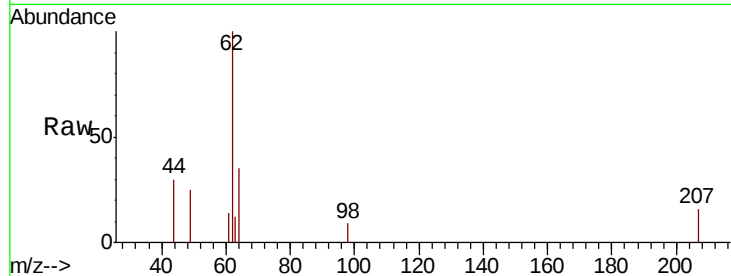
VSTDIC001

Tot Ion: 62 Resp: 4455

Ion Ratio Lower Upper

62 100

98 8.6 0.0 18.4



#43

Isopropyl Acetate

Concen: 0.918 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

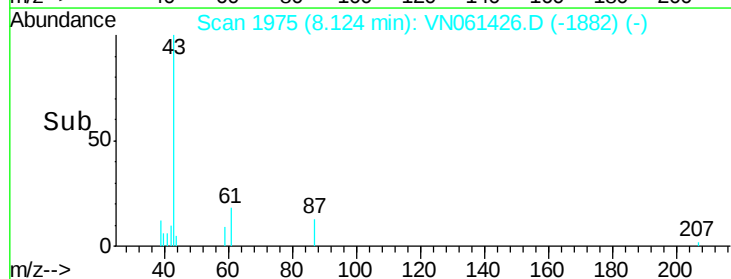
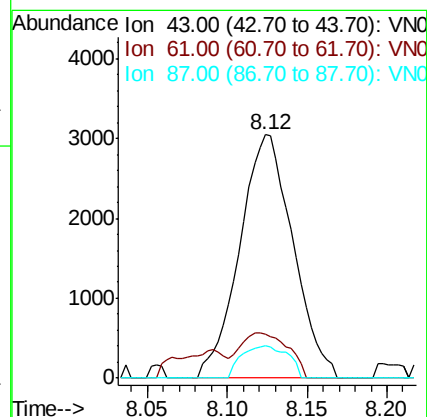
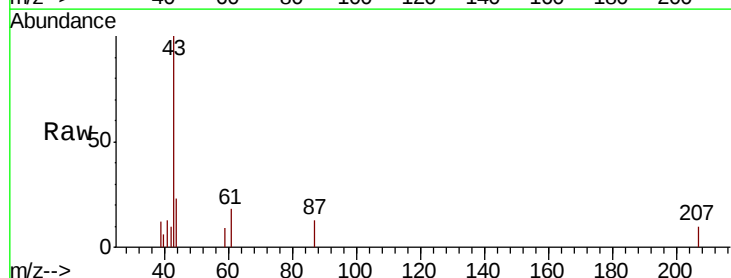
Tgt Ion: 43 Resp: 6956

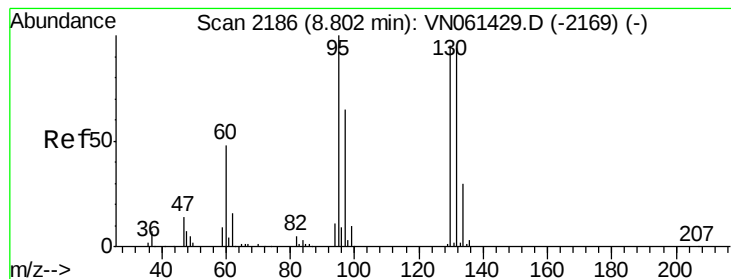
Ion Ratio Lower Upper

43 100

61 16.7 23.0 34.4#

87 11.4 11.6 17.4#





#44

Trichloroethene

Concen: 0.829 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

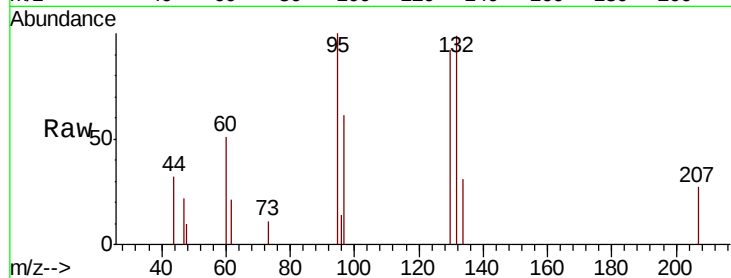
VSTDIC001

Tot Ion:130 Resp: 2980

Ion Ratio Lower Upper

130 100

95 108.6 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

1500

1000

500

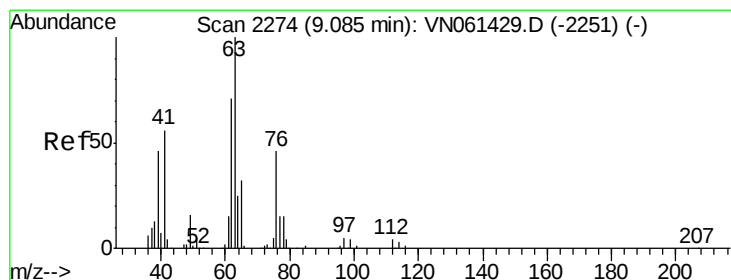
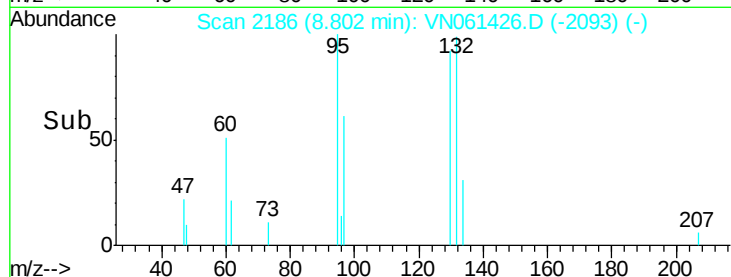
0

Time-->

8.75

8.80

8.85



#45

1,2-Dichloropropane

Concen: 0.808 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN061426.D

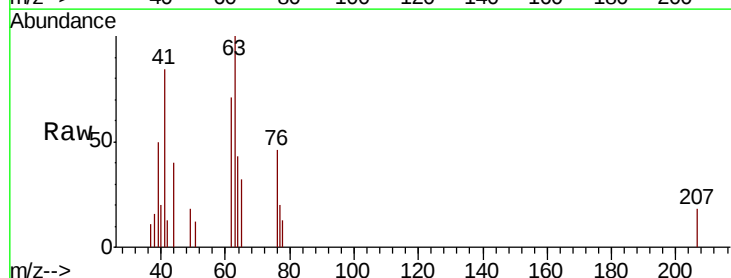
Acq: 18 May 2020 10:50

Tgt Ion: 63 Resp: 2832

Ion Ratio Lower Upper

63 100

65 31.6 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN

1500

1000

500

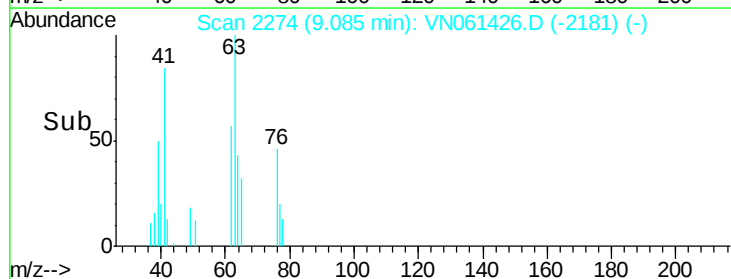
0

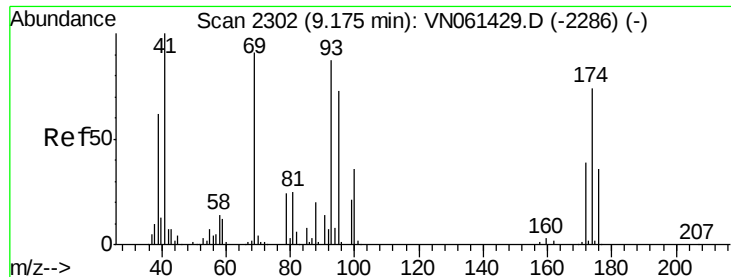
Time-->

9.05

9.08

9.10

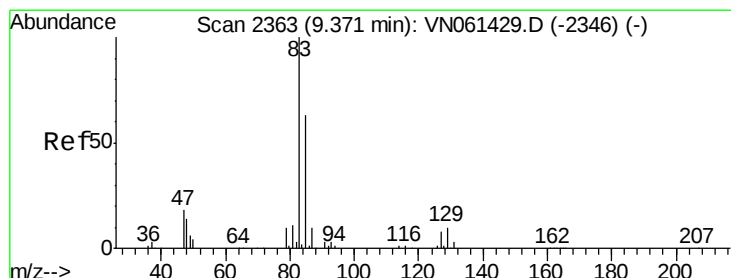
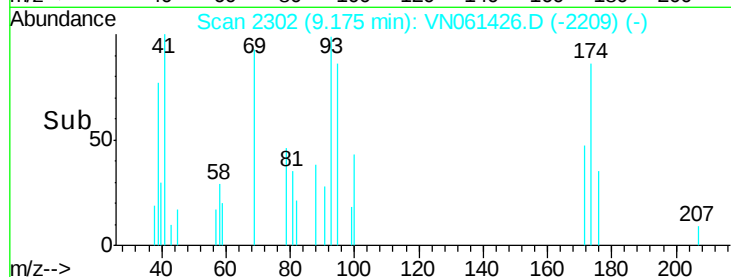
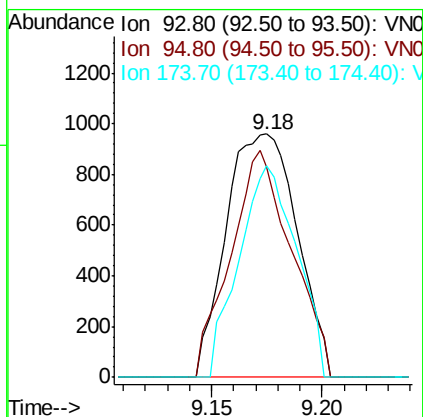
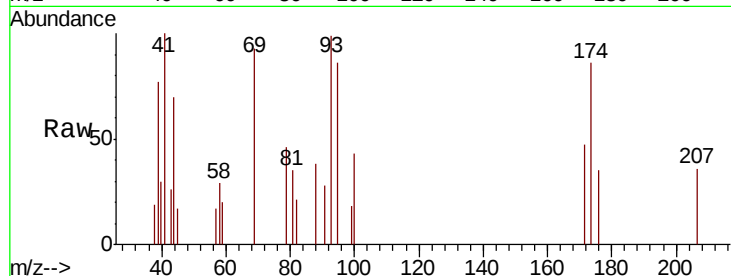




#46
Dibromomethane
Concen: 0.911 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

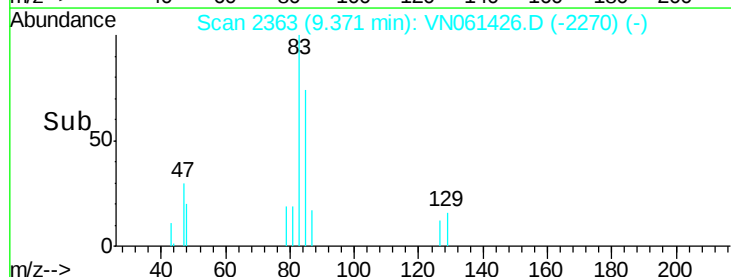
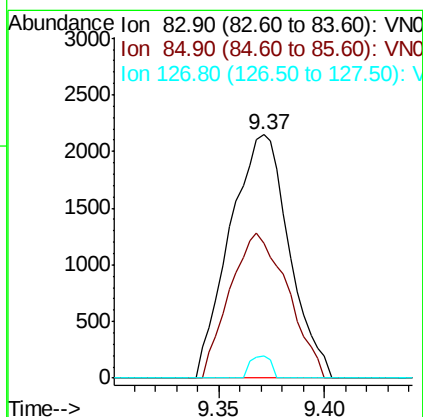
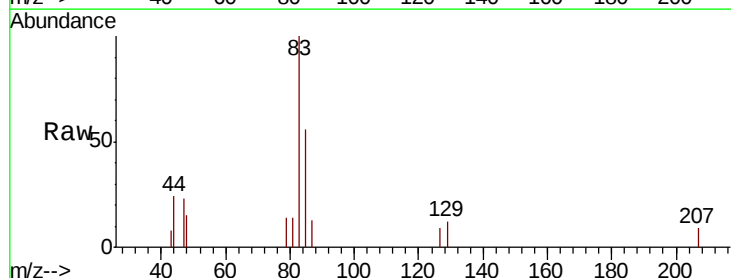
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

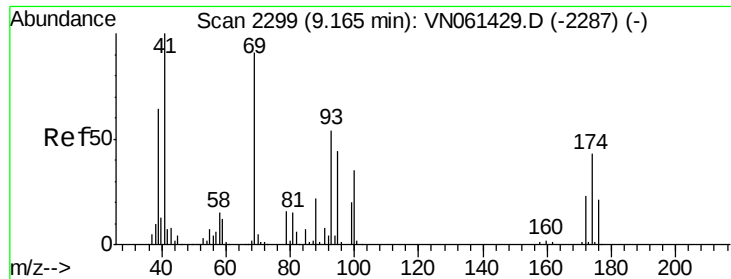
Tot Ion: 93 Resp: 2146
Ion Ratio Lower Upper
93 100
95 80.1 65.6 98.4
174 70.4 68.0 102.0



#47
Bromodichloromethane
Concen: 0.820 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Tgt Ion: 83 Resp: 4195
Ion Ratio Lower Upper
83 100
85 55.5 50.6 76.0
127 9.1 6.1 9.1#

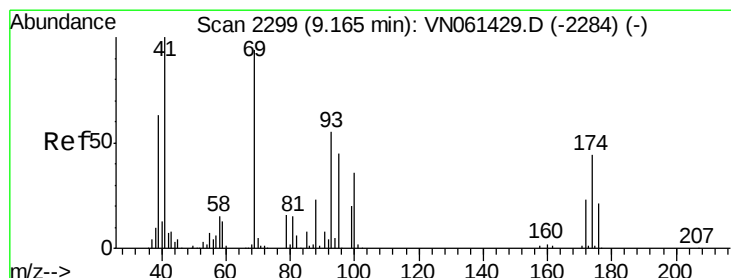
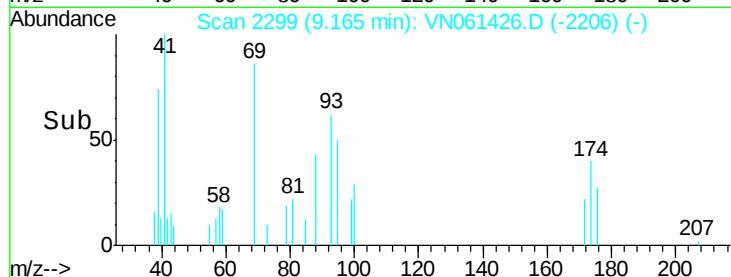
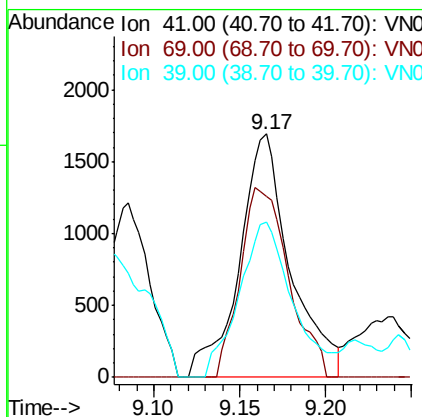
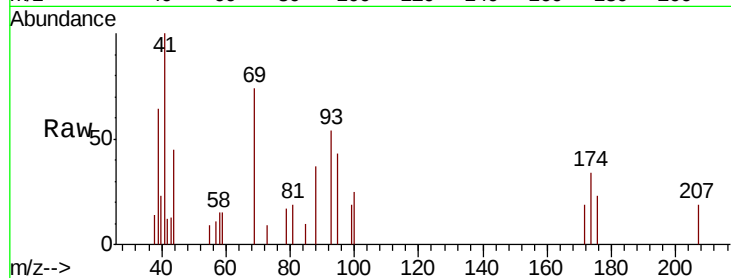




#48
Methvl methacrylate
Concen: 1.017 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

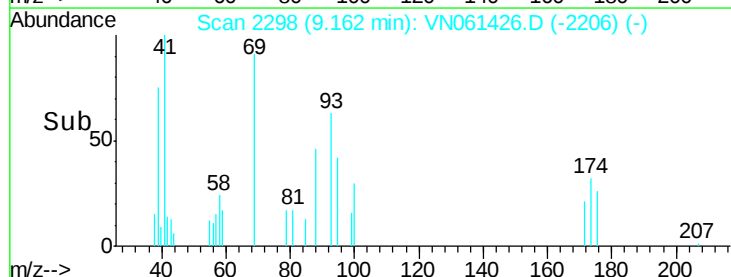
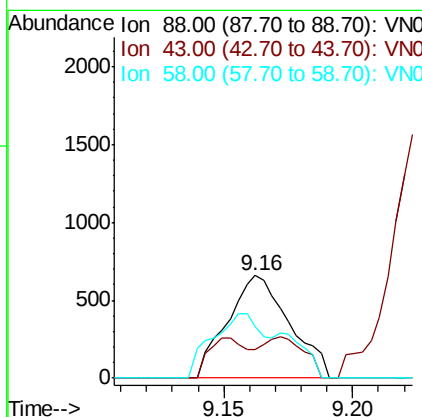
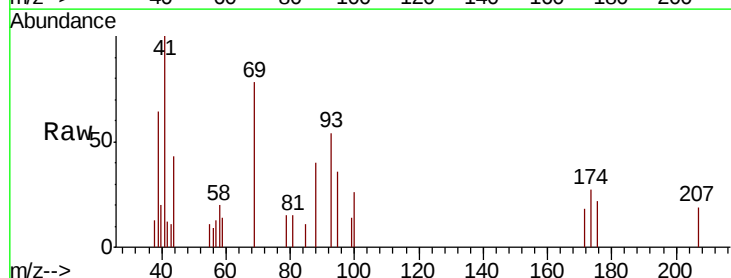
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

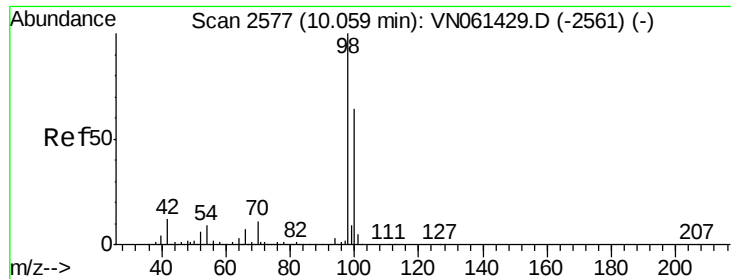
Tot Ion: 41 Resp: 3485
Ion Ratio Lower Upper
41 100
69 73.9 75.3 112.9#
39 66.5 52.6 79.0



#49
1,4-Dioxane
Concen: 49.616 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Tgt Ion: 88 Resp: 1103
Ion Ratio Lower Upper
88 100
43 22.4 26.3 39.5#
58 52.5 54.1 81.1#





#50

Toluene-d8

Concen: 0.861 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

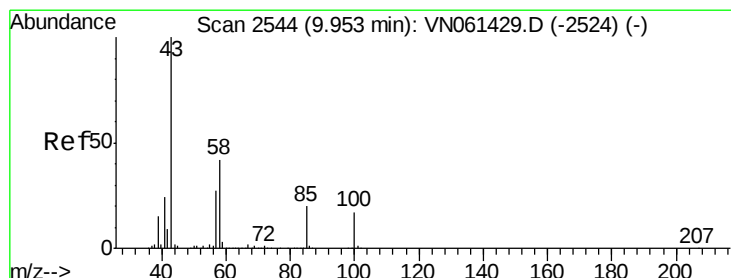
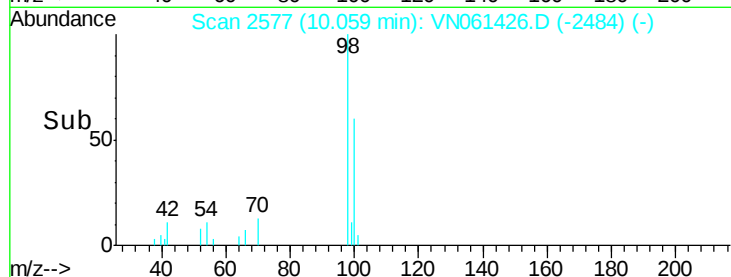
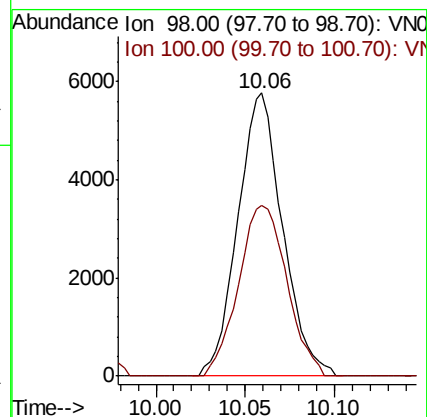
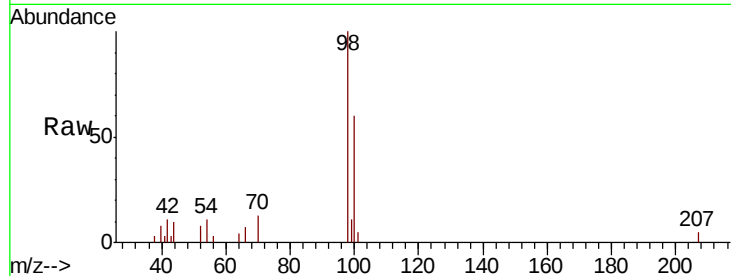
VSTDIC001

Tot Ion: 98 Resp: 10116

Ion Ratio Lower Upper

98 100

100 65.0 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 4.108 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061426.D

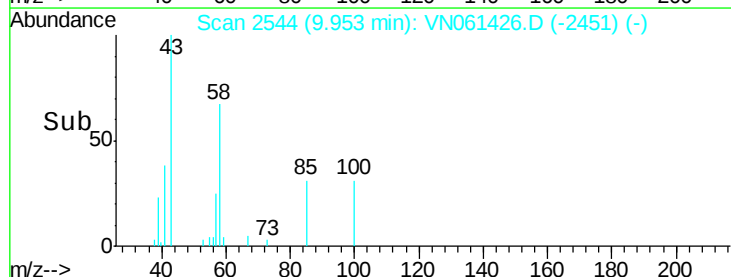
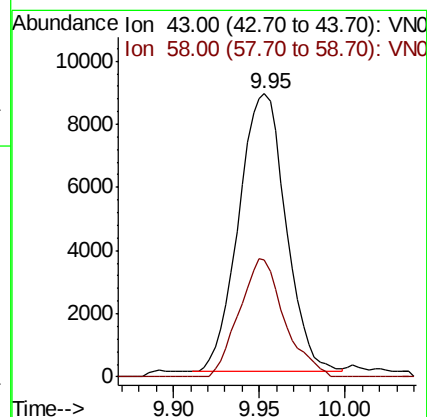
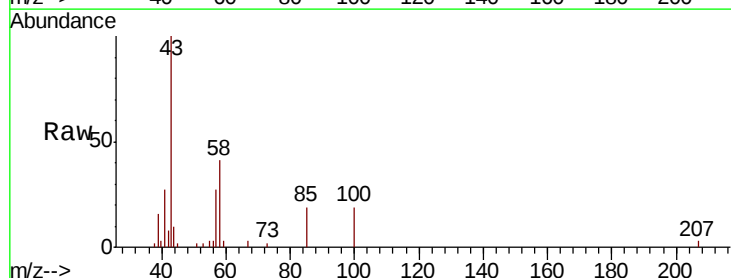
Acq: 18 May 2020 10:50

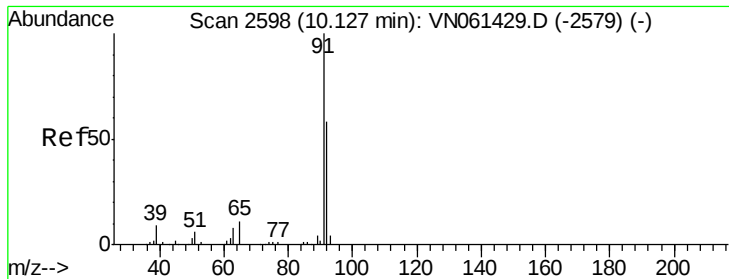
Tgt Ion: 43 Resp: 16753

Ion Ratio Lower Upper

43 100

58 40.5 33.4 50.2





#52

Toluene

Concen: 0.838 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

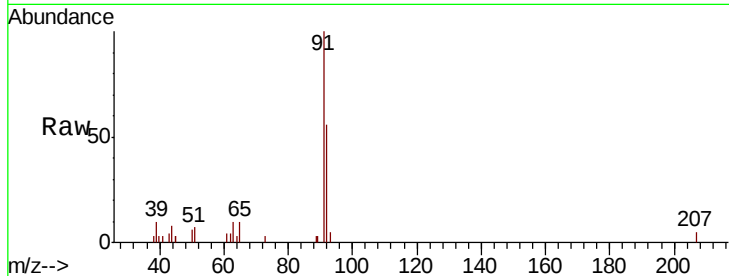
VSTDIC001

Tot Ion: 92 Resp: 7395

Ion Ratio Lower Upper

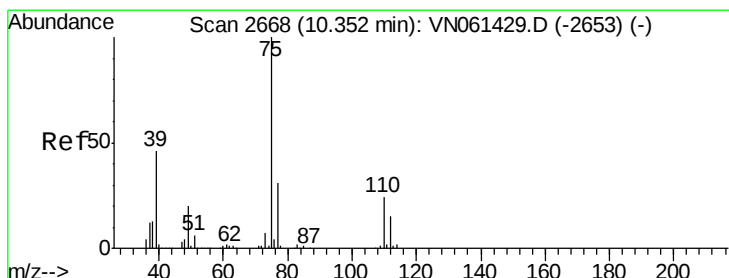
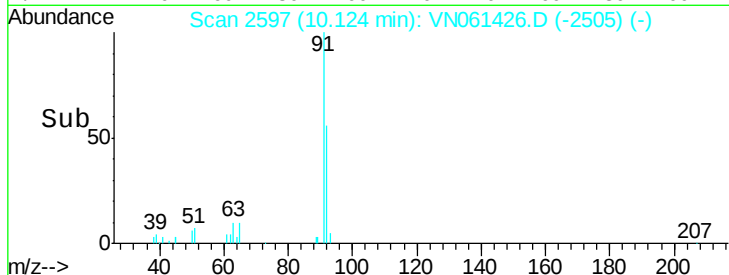
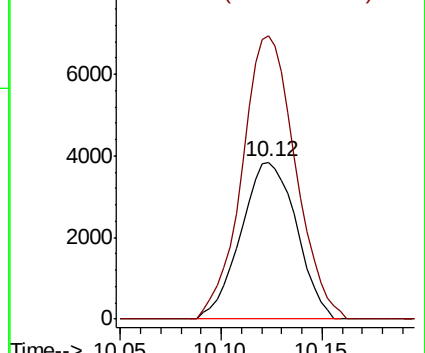
92 100

91 173.6 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN061426.D (-2579) (-)

Ion 91.00 (90.70 to 91.70): VN061426.D (-2579) (-)



#53

t-1,3-Dichloropropene

Concen: 0.774 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN061426.D

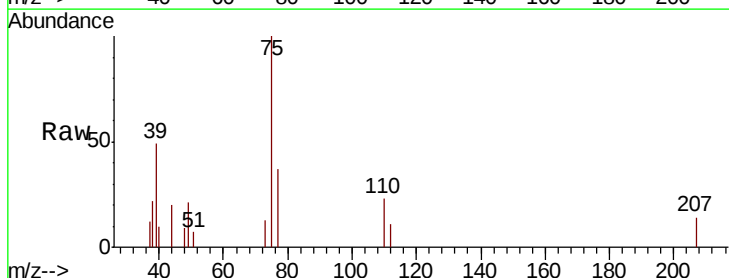
Acq: 18 May 2020 10:50

Tgt Ion: 75 Resp: 4328

Ion Ratio Lower Upper

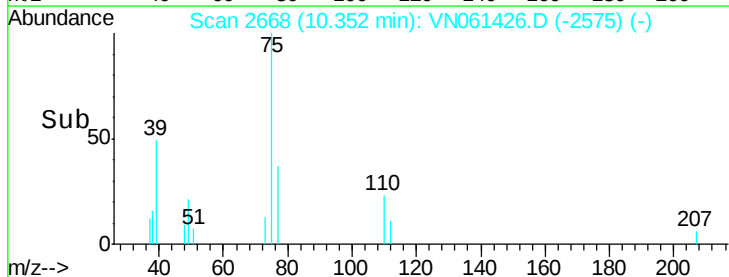
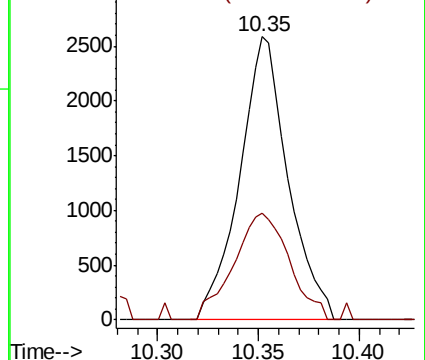
75 100

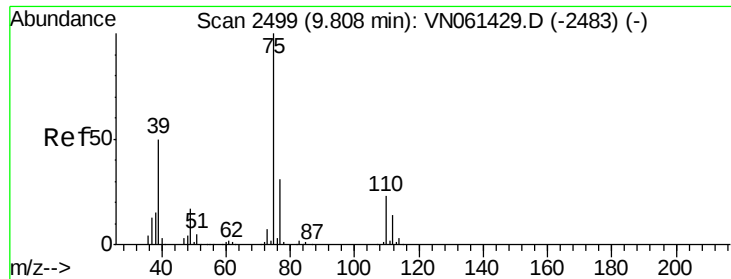
77 37.5 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VN061426.D (-2575) (-)

Ion 76.90 (76.60 to 77.60): VN061426.D (-2575) (-)





#54

cis-1,3-Dichloropropene

Concen: 0.853 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

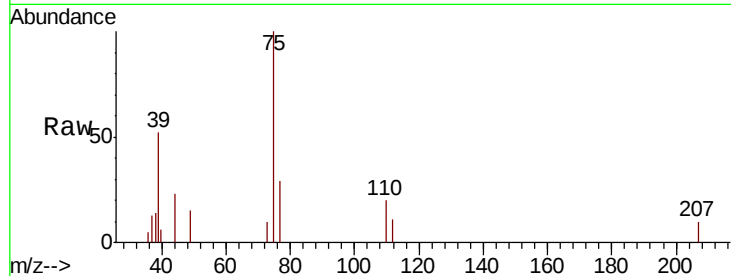
Tot Ion: 75 Resp: 5034

Ion Ratio Lower Upper

75 100

77 28.8 24.8 37.2

39 51.8 39.8 59.6

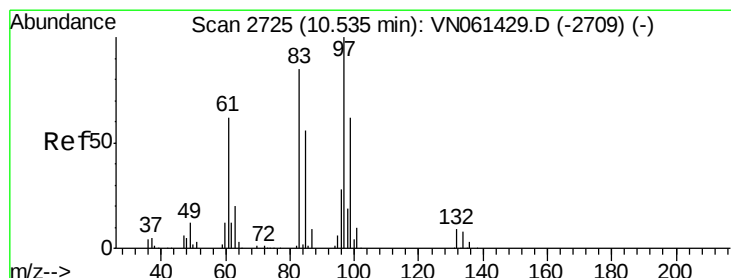
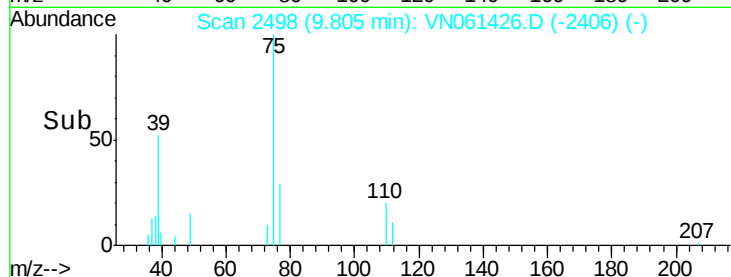
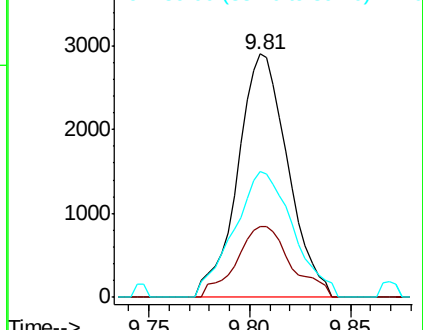


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#55

1,1,2-Trichloroethane

Concen: 0.788 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Tgt Ion: 97 Resp: 2589

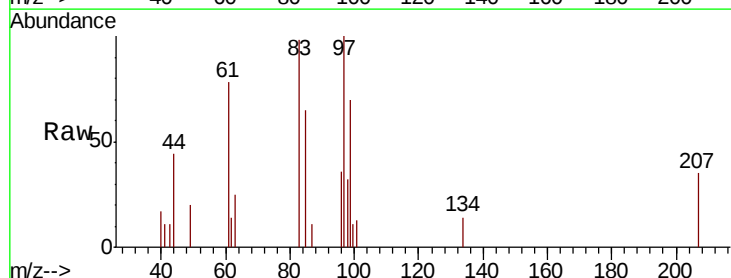
Ion Ratio Lower Upper

97 100

83 97.9 68.2 102.4

85 64.9 44.6 67.0

99 69.6 49.5 74.3



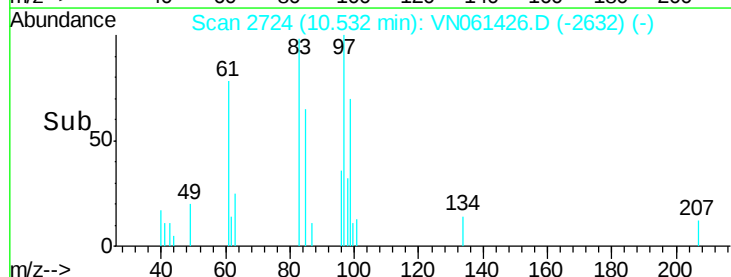
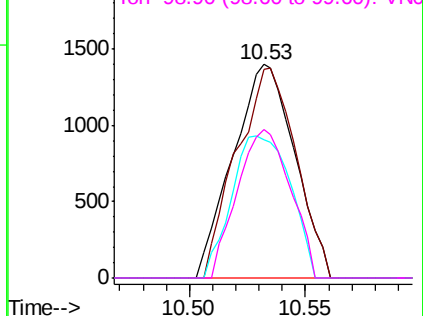
Abundance

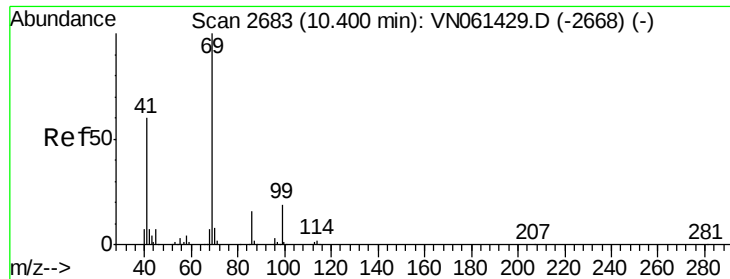
Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0





#56

Ethyl methacrylate

Concen: 0.762 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

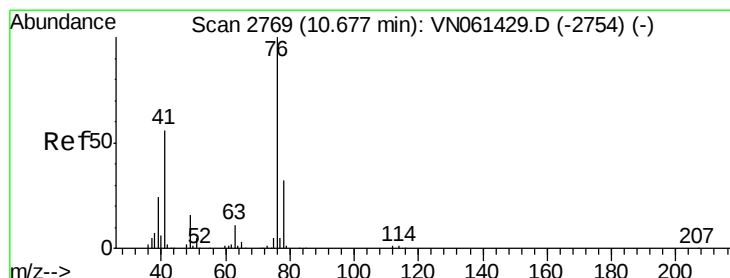
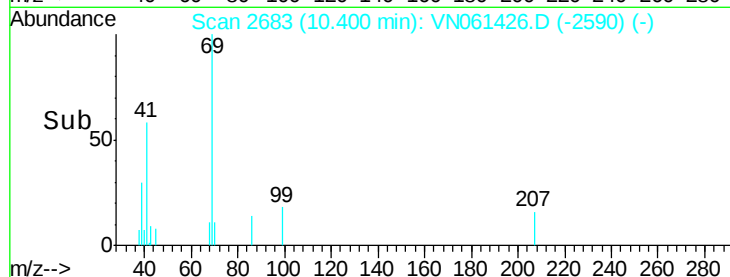
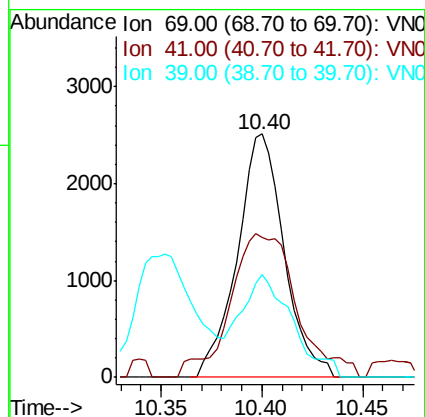
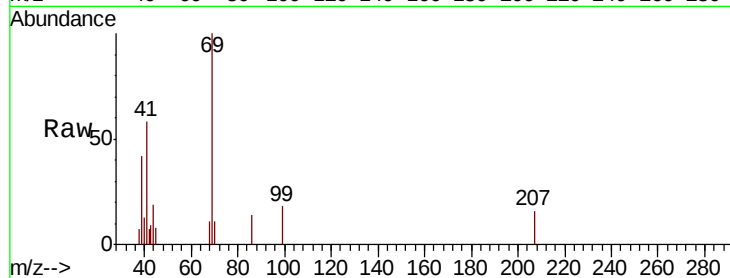
Tot Ion: 69 Resp: 4091

Ion Ratio Lower Upper

69 100

41 83.6 48.3 72.5#

39 46.8 30.2 45.2#



#57

1,3-Dichloropropane

Concen: 0.856 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN061426.D

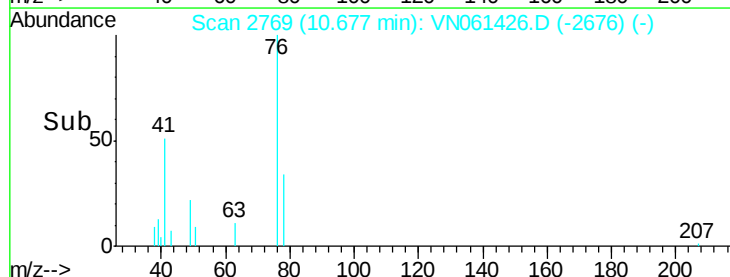
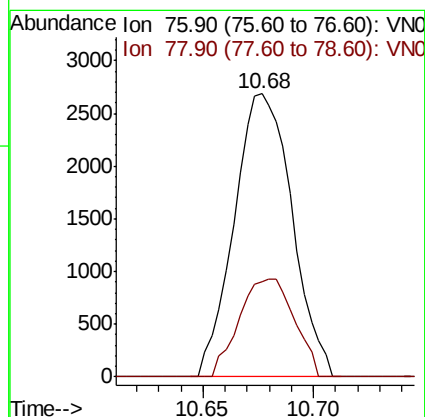
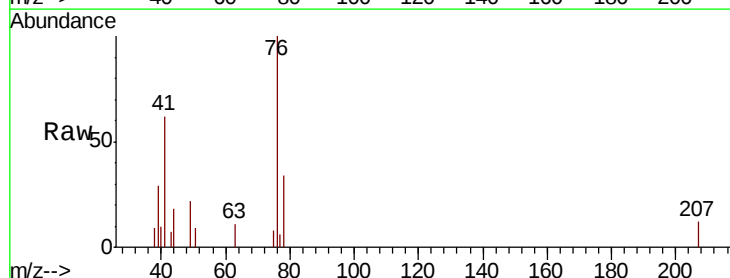
Acq: 18 May 2020 10:50

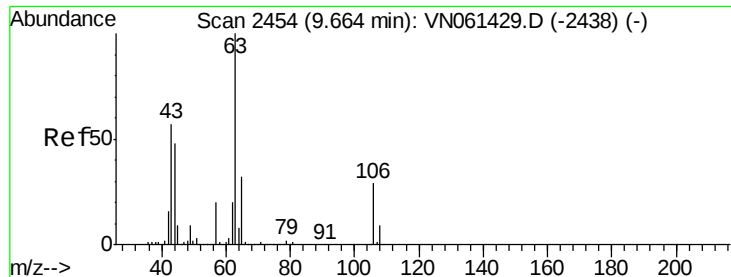
Tgt Ion: 76 Resp: 4899

Ion Ratio Lower Upper

76 100

78 32.9 26.0 39.0





#58

2-Chloroethyl Vinyl ether

Concen: 5.159 ug/l

RT: 9.66 min Scan# 2453

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

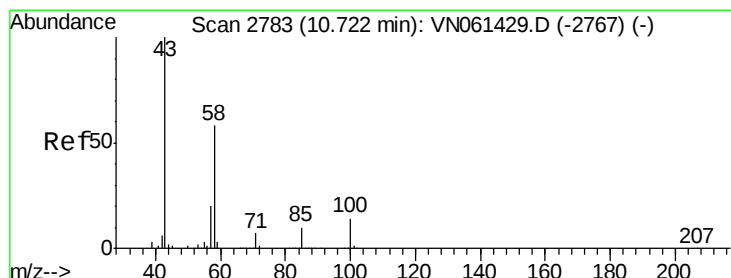
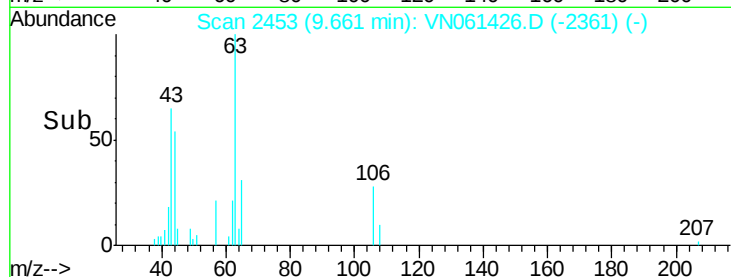
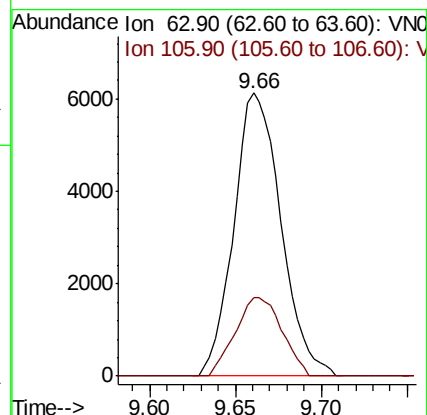
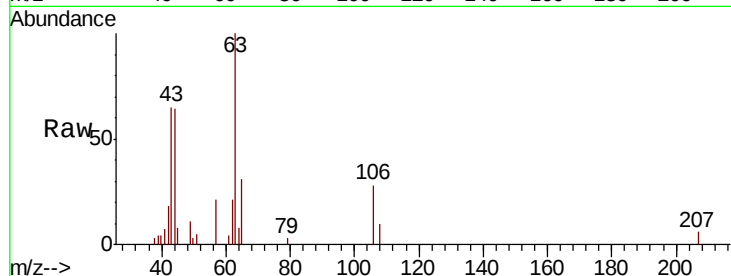
VSTDIC001

Tot Ion: 63 Resp: 11702

Ion Ratio Lower Upper

63 100

106 27.4 22.7 34.1



#59

2-Hexanone

Concen: 4.633 ug/l

RT: 10.72 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VN061426.D

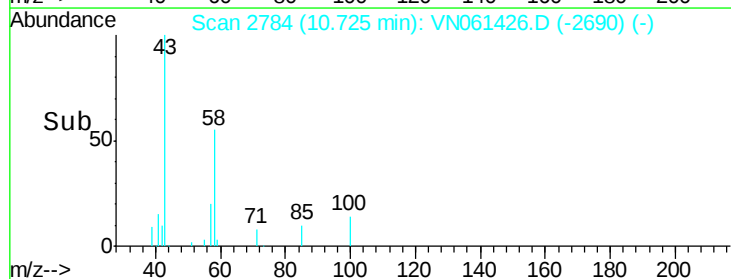
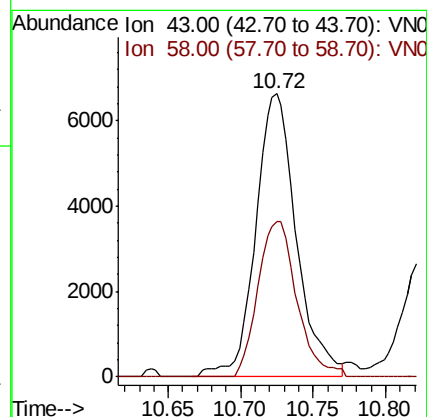
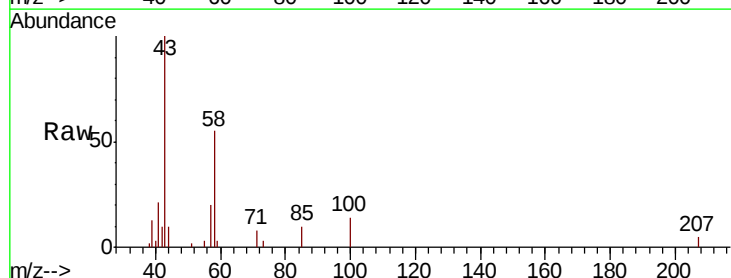
Acq: 18 May 2020 10:50

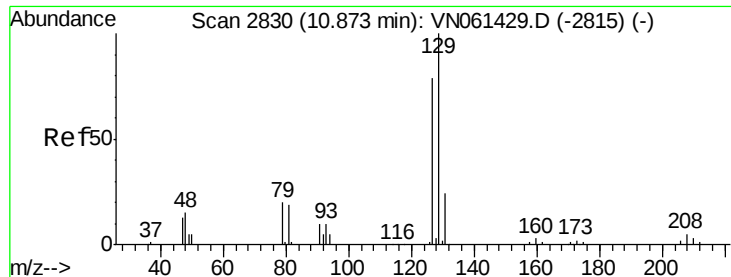
Tgt Ion: 43 Resp: 12945

Ion Ratio Lower Upper

43 100

58 52.5 29.2 87.6





#60

Dibromochloromethane

Concen: 0.745 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

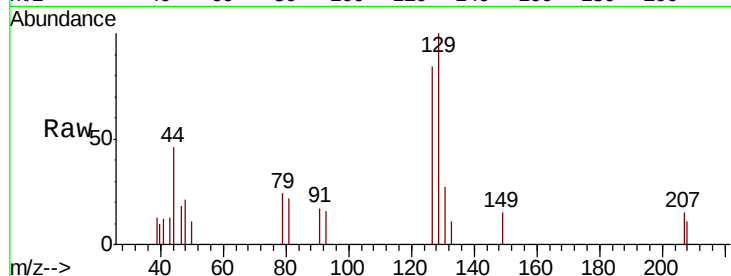
VSTDIC001

Tot Ion:129 Resp: 2722

Ion Ratio Lower Upper

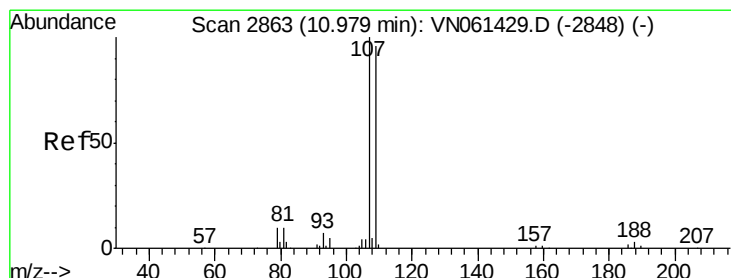
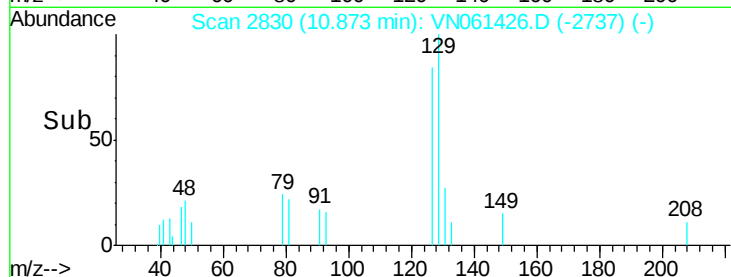
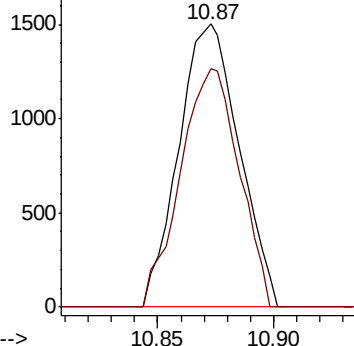
129 100

127 81.7 38.8 116.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.842 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VN061426.D

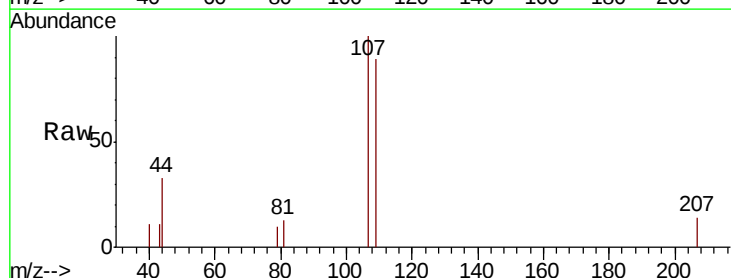
Acq: 18 May 2020 10:50

Tgt Ion:107 Resp: 2908

Ion Ratio Lower Upper

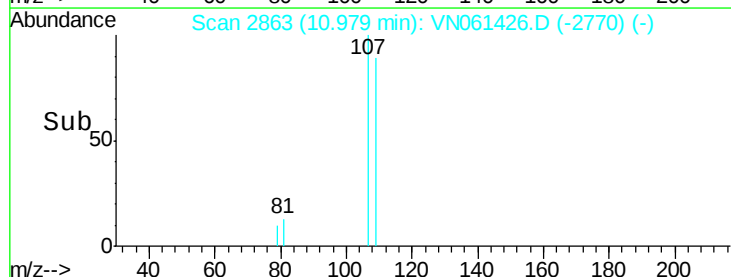
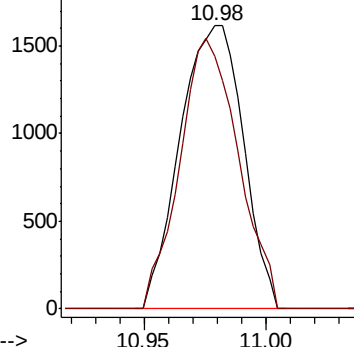
107 100

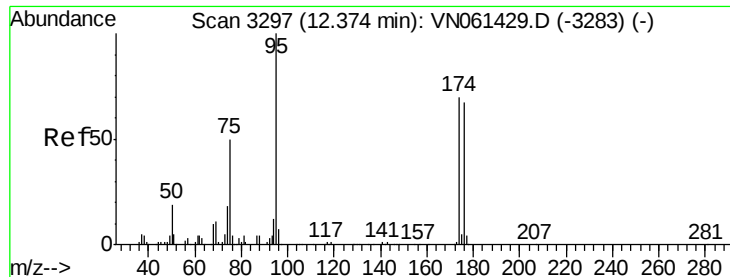
109 88.6 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 0.891 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

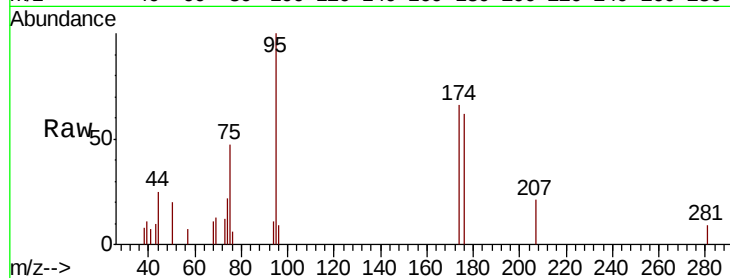
Tot Ion: 95 Resp: 3865

Ion Ratio Lower Upper

95 100

174 69.7 0.0 141.2

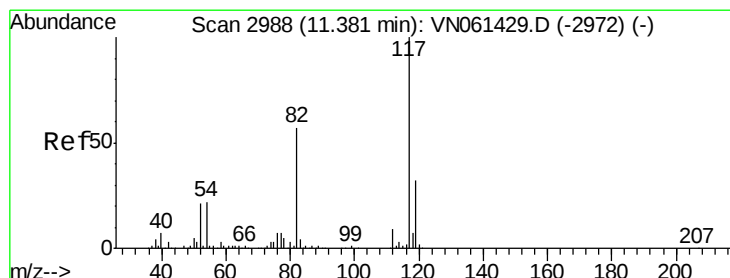
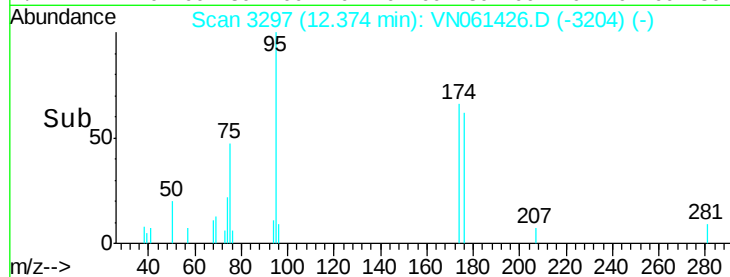
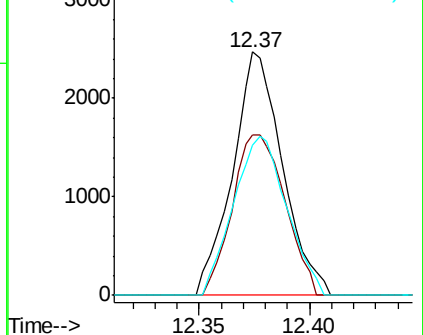
176 69.7 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN061426.D (-3204) (-)

Ion 173.80 (173.50 to 174.50): VN061426.D (-3204) (-)

Ion 175.80 (175.50 to 176.50): VN061426.D (-3204) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

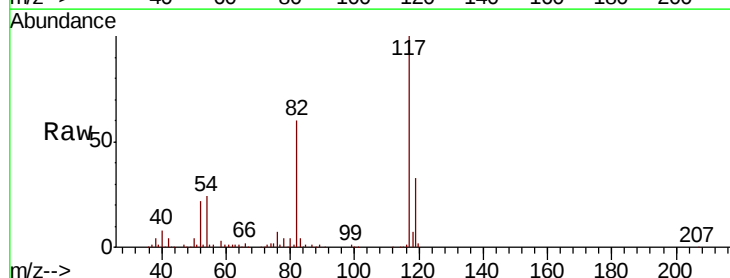
Tgt Ion: 117 Resp: 420599

Ion Ratio Lower Upper

117 100

82 59.9 45.2 67.8

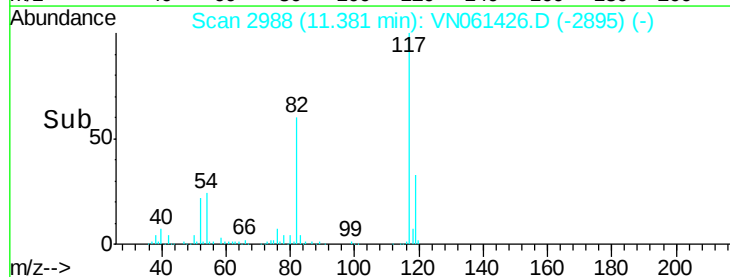
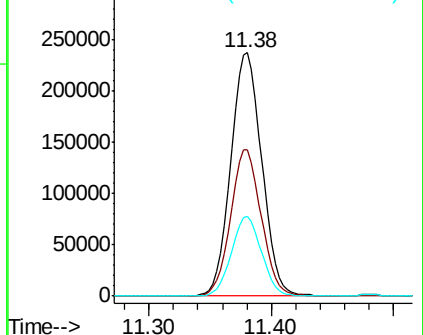
119 32.9 25.3 37.9

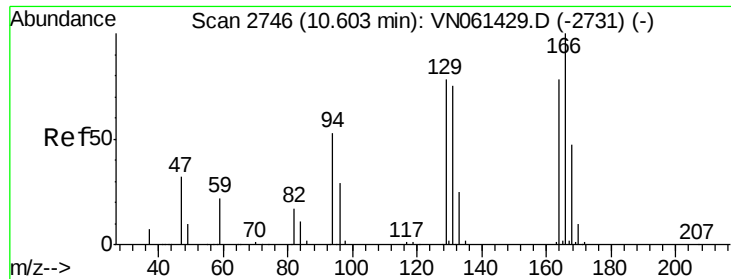


Abundance Ion 116.90 (116.60 to 117.60): VN061426.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN061426.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN061426.D (-2895) (-)

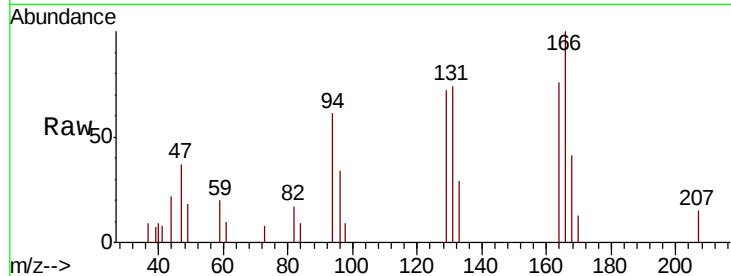




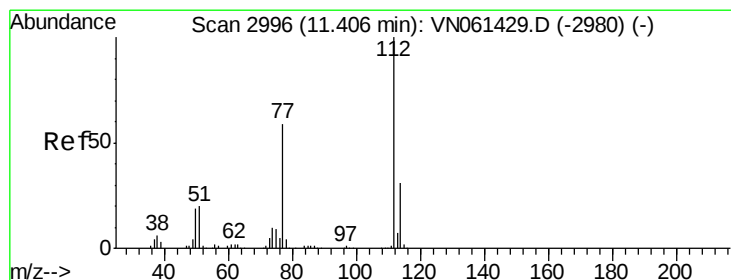
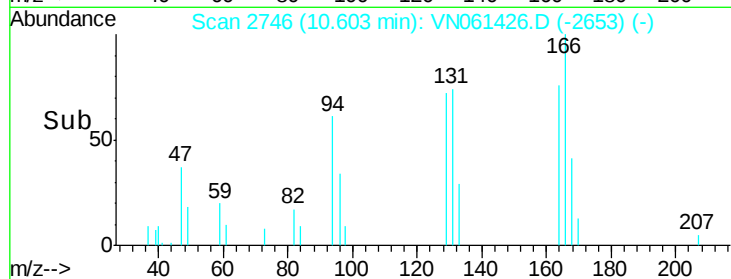
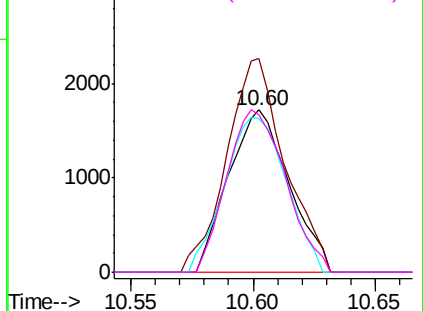
#64
Tetrachloroethene
Concen: 0.899 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:164 Resp: 2959
Ion Ratio Lower Upper
164 100
166 131.6 103.2 154.8
129 94.5 81.0 121.4
131 97.0 77.3 115.9

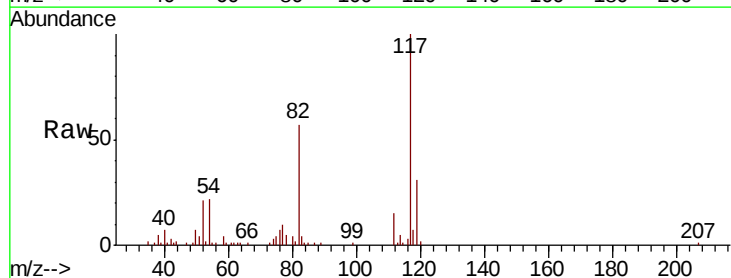


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

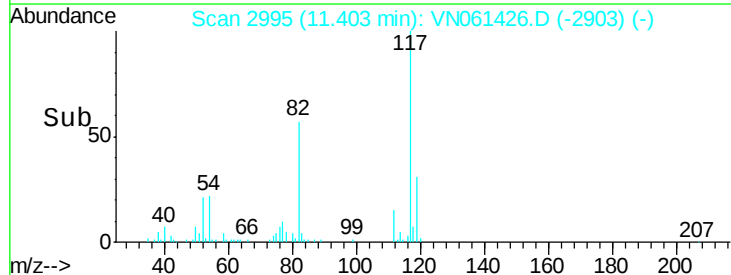
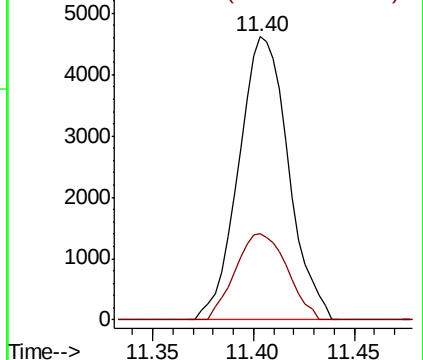


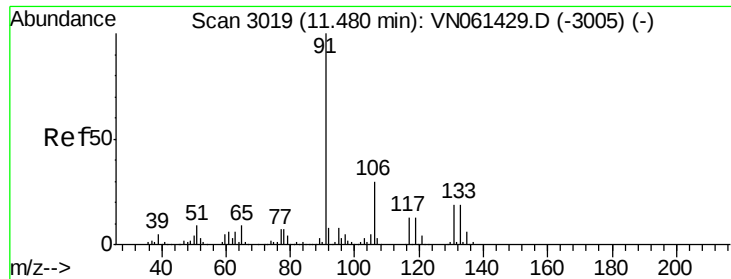
#65
Chlorobenzene
Concen: 0.914 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Tgt Ion:112 Resp: 7977
Ion Ratio Lower Upper
112 100
114 30.6 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

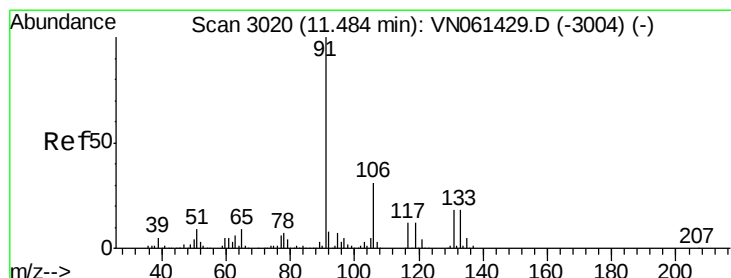
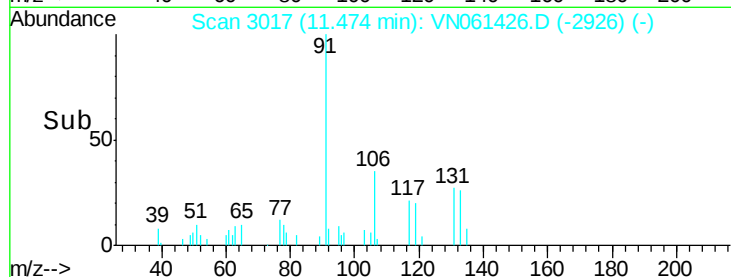
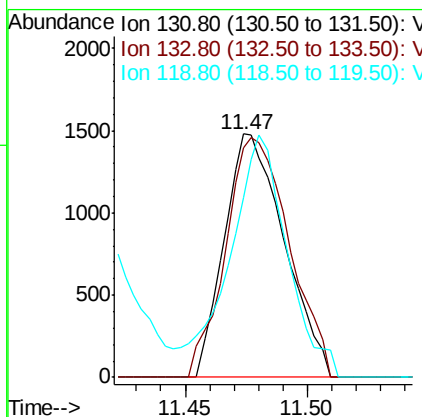
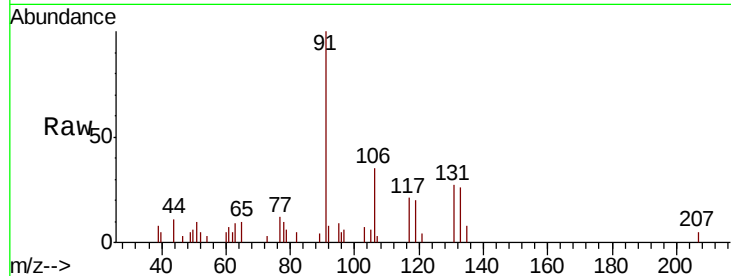




#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.820 ug/l
 RT: 11.47 min Scan# 3017
 Delta R.T. -0.01 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

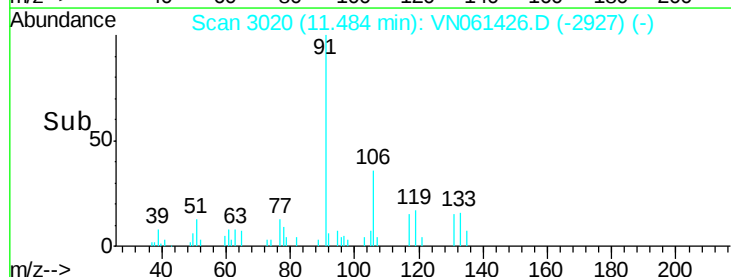
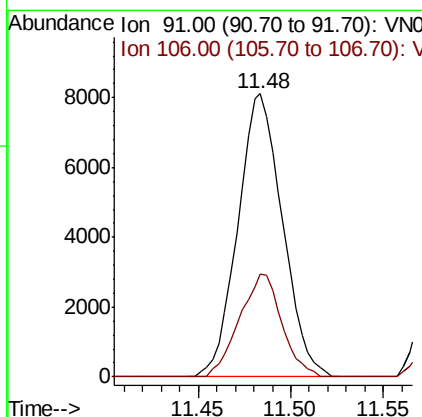
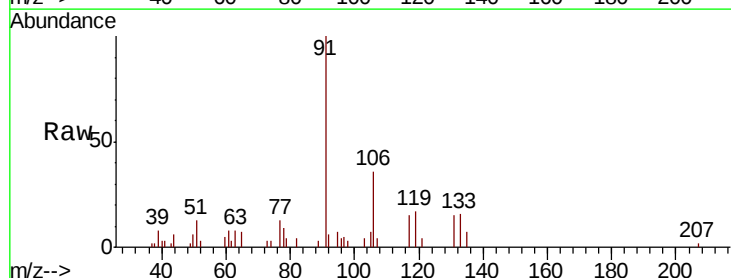
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

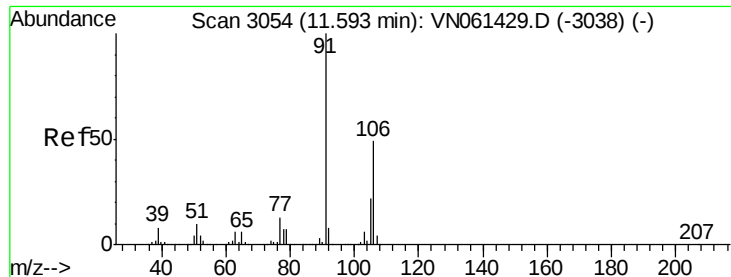
Tot Ion:131 Resp: 2526
 Ion Ratio Lower Upper
 131 100
 133 104.4 48.7 146.1
 119 0.0 33.8 101.3#



#67
 Ethyl Benzene
 Concen: 0.837 ug/l
 RT: 11.48 min Scan# 3020
 Delta R.T. -0.00 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

Tgt Ion: 91 Resp: 13530
 Ion Ratio Lower Upper
 91 100
 106 36.3 24.6 36.8





#68

m/p-Xylenes

Concen: 1.648 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampled :

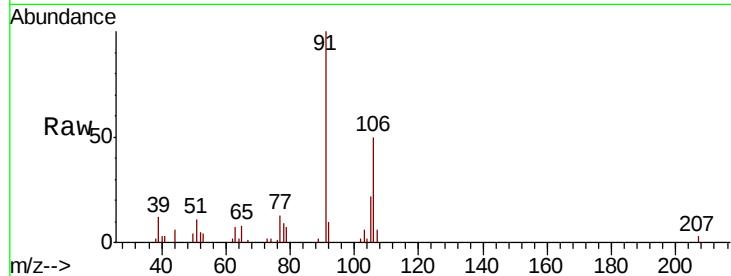
VSTDIC001

Tot Ion:106 Resp: 10014

Ion Ratio Lower Upper

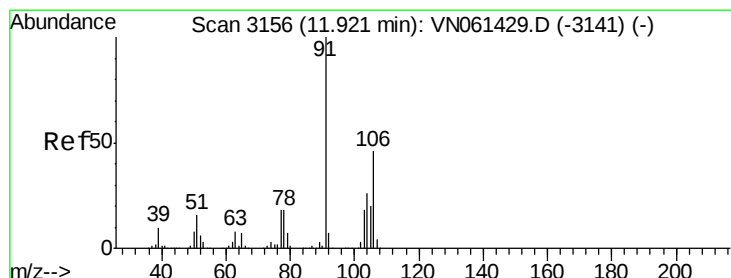
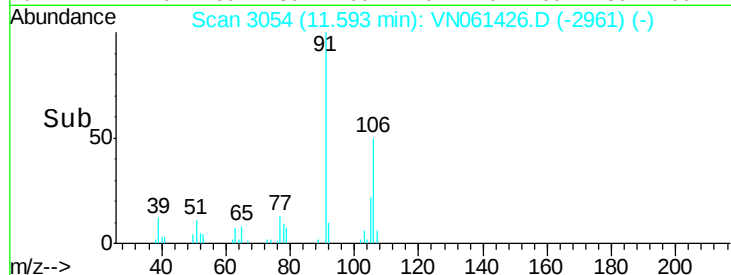
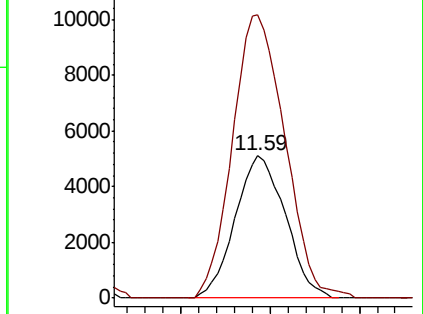
106 100

91 207.9 163.0 244.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 0.837 ug/l

RT: 11.92 min Scan# 3155

Delta R.T. -0.00 min

Lab File: VN061426.D

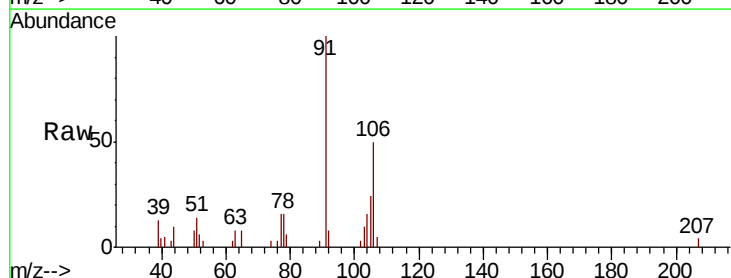
Acq: 18 May 2020 10:50

Tgt Ion:106 Resp: 4930

Ion Ratio Lower Upper

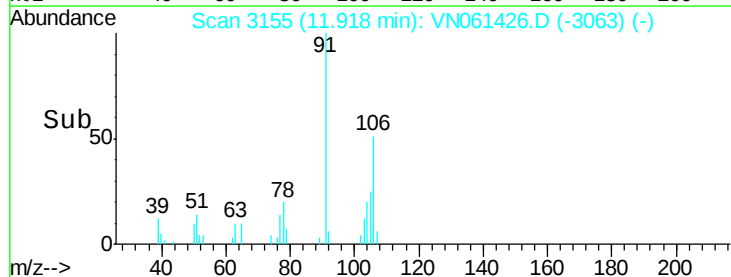
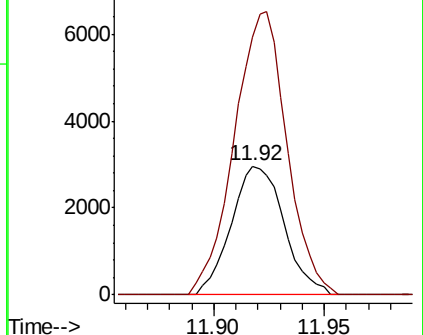
106 100

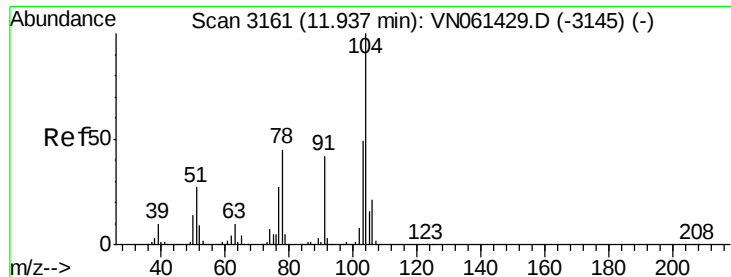
91 219.0 107.9 323.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#70

Stvrene

Concen: 0.738 ug/l

RT: 11.94 min Scan# 3161

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

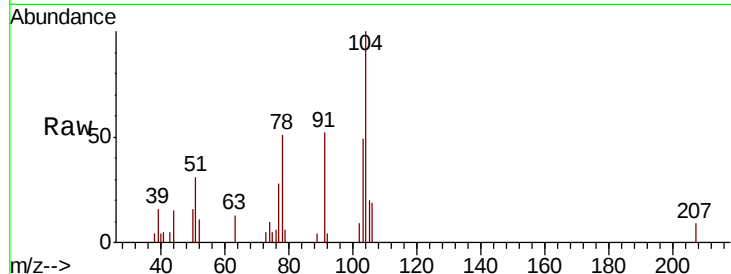
Tot Ion:104 Resp: 7306

Ion Ratio Lower Upper

104 100

78 57.8 40.7 61.1

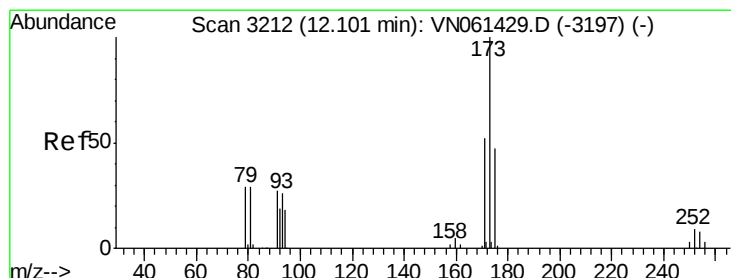
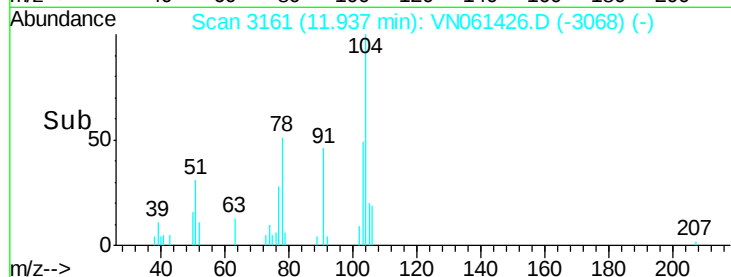
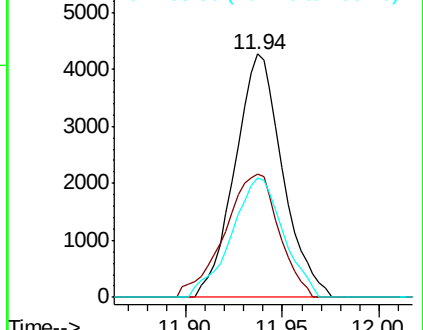
103 53.3 43.0 64.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.704 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

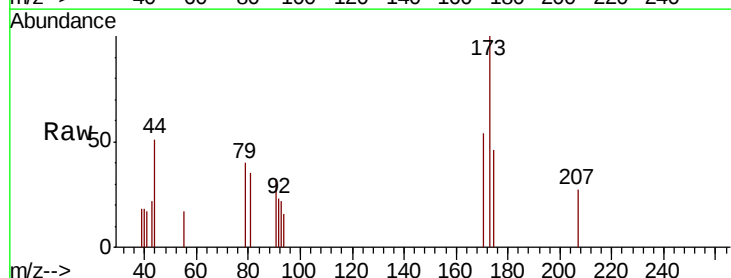
Tgt Ion:173 Resp: 1528

Ion Ratio Lower Upper

173 100

175 46.5 23.9 71.8

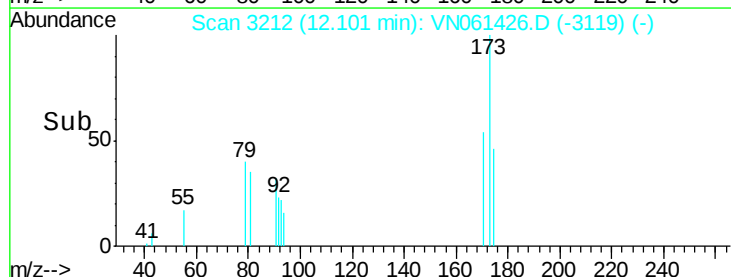
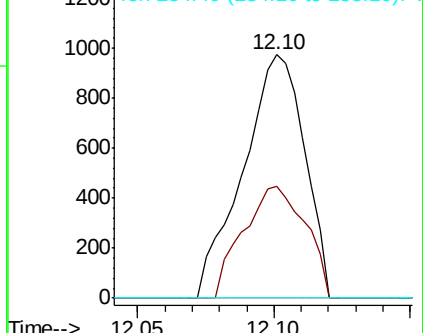
254 0.0 0.0 0.0

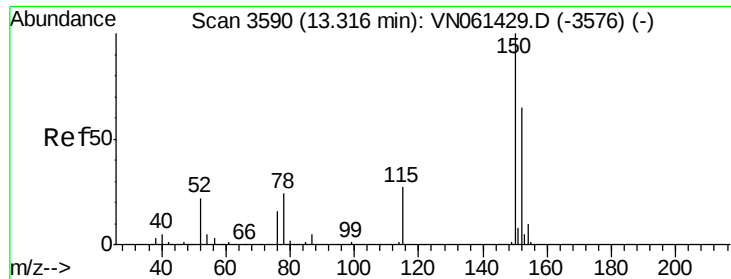


Abundance Ion 172.70 (172.40 to 173.40): V

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# 3590

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

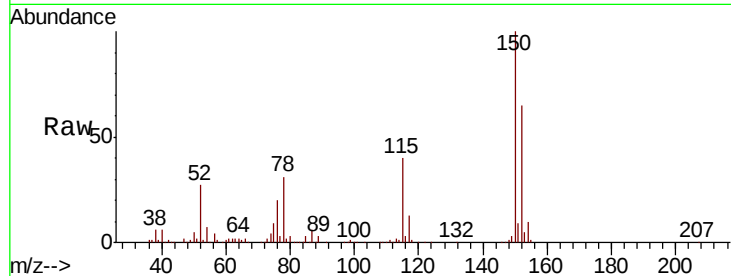
Tot Ion:152 Resp: 172245

Ion Ratio Lower Upper

152 100

115 61.4 30.9 92.5

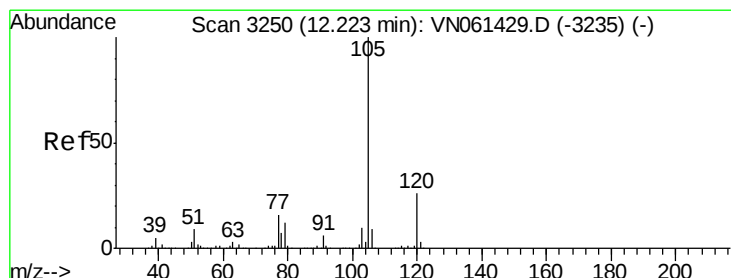
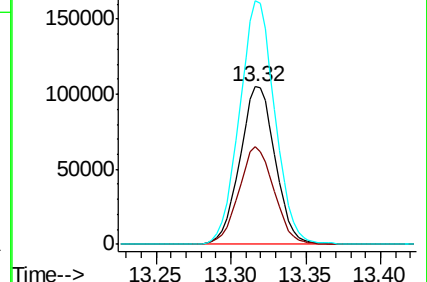
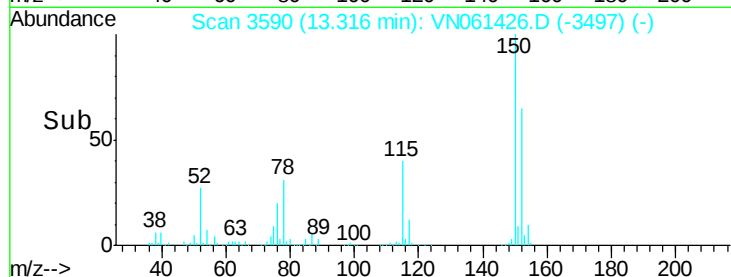
150 155.0 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.947 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061426.D

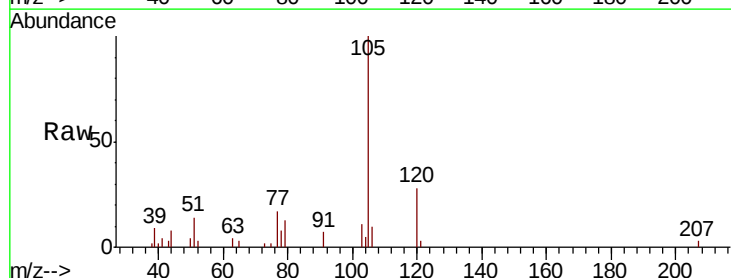
Acq: 18 May 2020 10:50

Tgt Ion:105 Resp: 13272

Ion Ratio Lower Upper

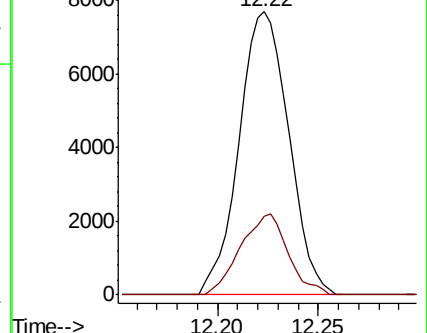
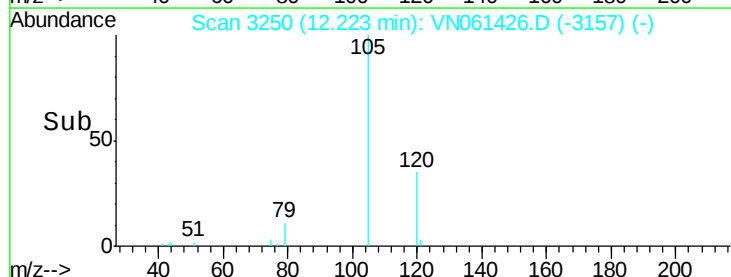
105 100

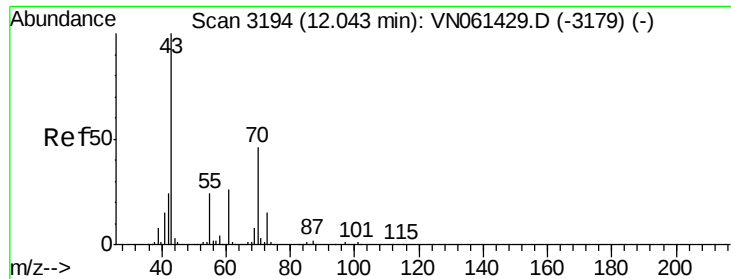
120 27.4 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.850 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 4660

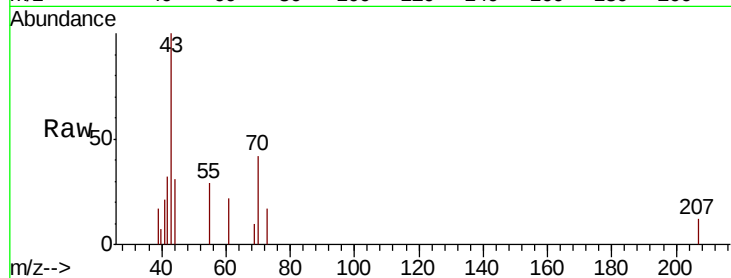
Ion Ratio Lower Upper

43 100

70 36.9 37.0 55.4#

55 32.2 19.5 29.3#

61 20.2 20.8 31.2#

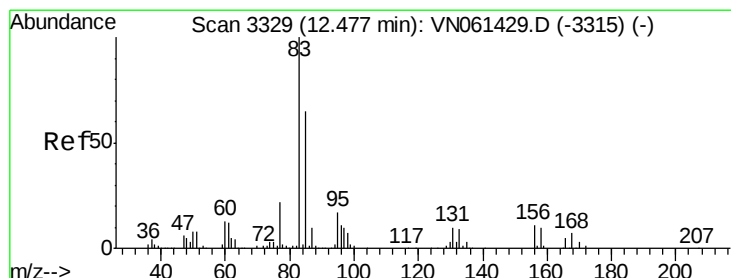
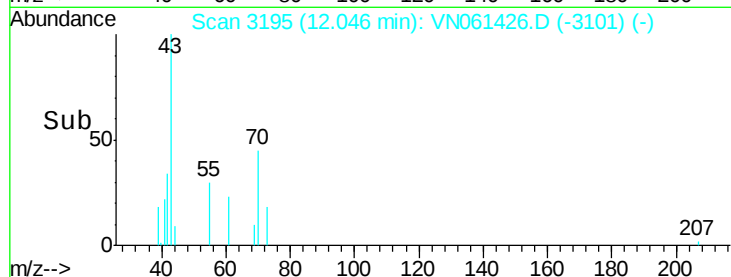
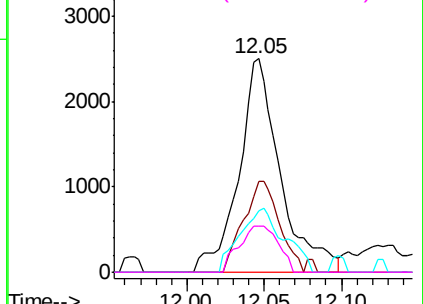


Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-3179) (-)

Ion 70.00 (69.70 to 70.70): VN061429.D (-3179) (-)

Ion 55.00 (54.70 to 55.70): VN061429.D (-3179) (-)

Ion 61.00 (60.70 to 61.70): VN061429.D (-3179) (-)



#75

1,1,2,2-Tetrachloroethane

Concen: 0.915 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

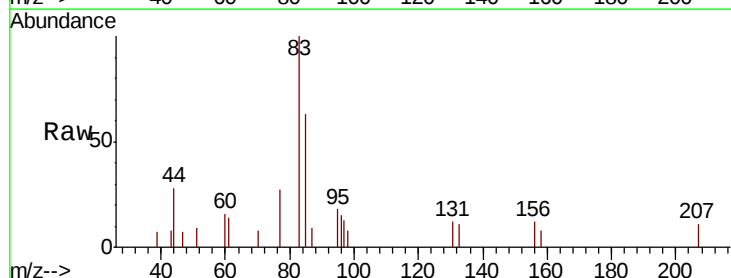
Tgt Ion: 83 Resp: 3658

Ion Ratio Lower Upper

83 100

131 7.1 4.8 14.4

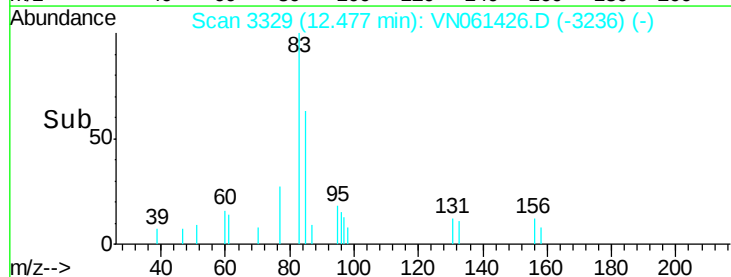
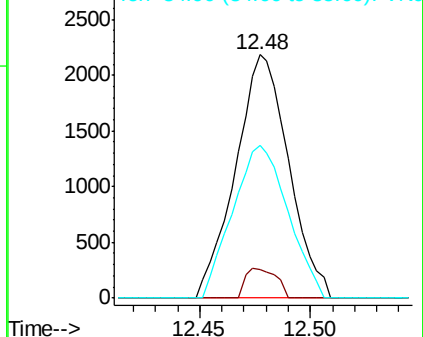
85 64.9 32.1 96.5

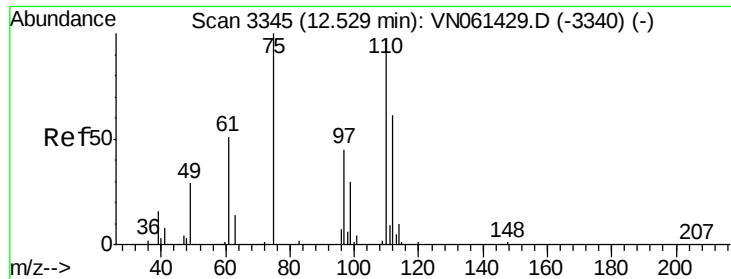


Abundance Ion 82.90 (82.60 to 83.60): VN061429.D (-3315) (-)

Ion 130.80 (130.50 to 131.50): VN061429.D (-3315) (-)

Ion 84.90 (84.60 to 85.60): VN061429.D (-3315) (-)

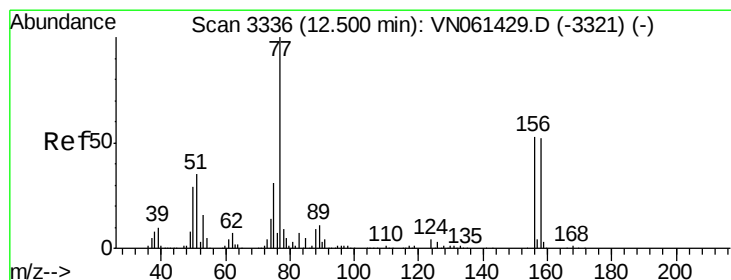
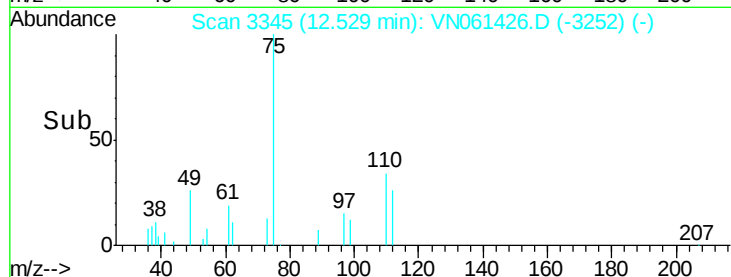
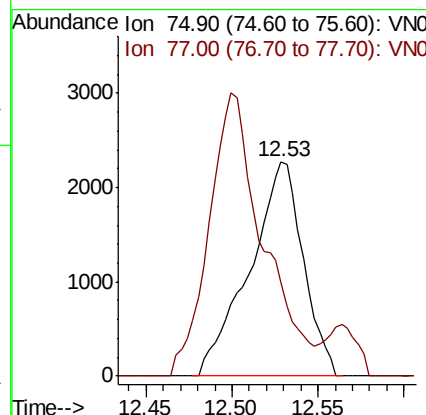
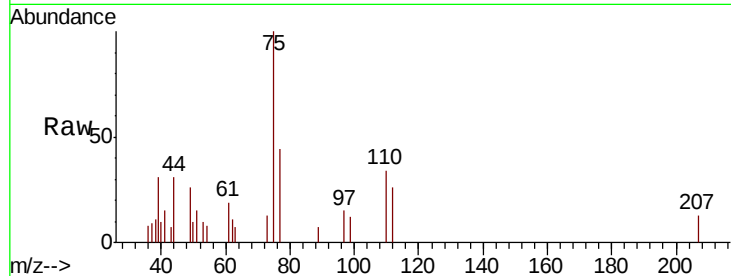




#76
 1,2,3-Trichloropropane
 Concen: 1.366 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

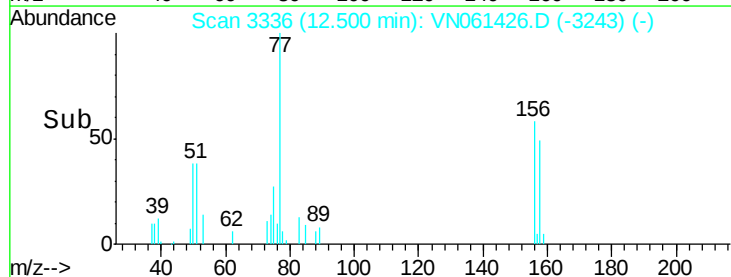
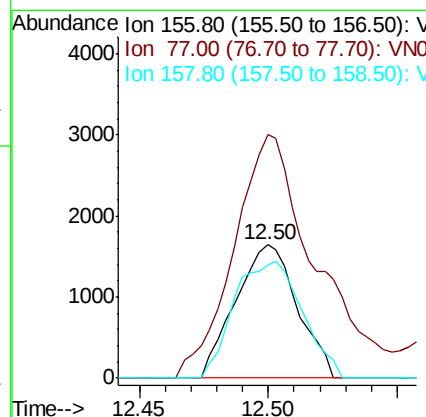
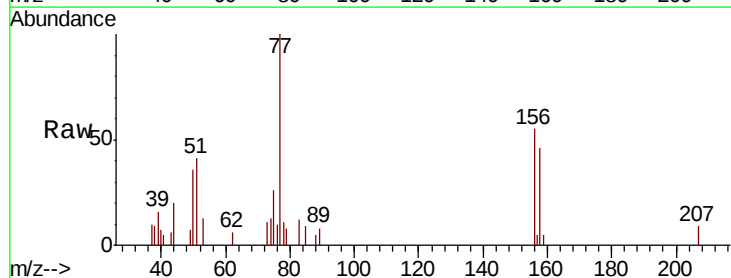
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

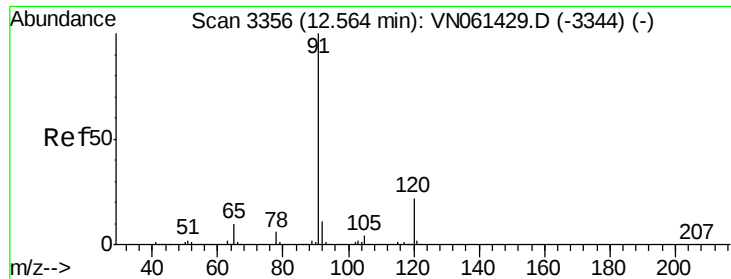
Tot Ion: 75 Resp: 4914
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 0.890 ug/l
 RT: 12.50 min Scan# 3336
 Delta R.T. -0.00 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

Tgt Ion: 156 Resp: 2732
 Ion Ratio Lower Upper
 156 100
 77 240.6 112.3 336.9
 158 96.8 47.9 143.6





#78

n-propylbenzene

Concen: 0.914 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampled :

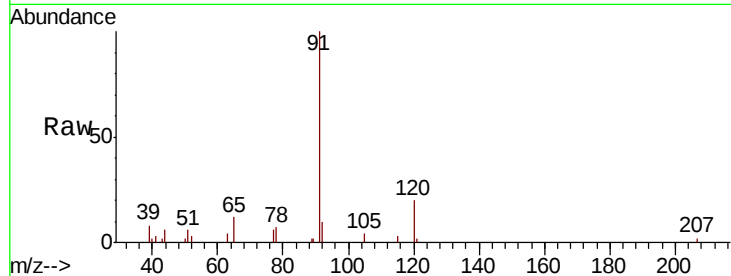
VSTDIC001

Tot Ion: 91 Resp: 14938

Ion Ratio Lower Upper

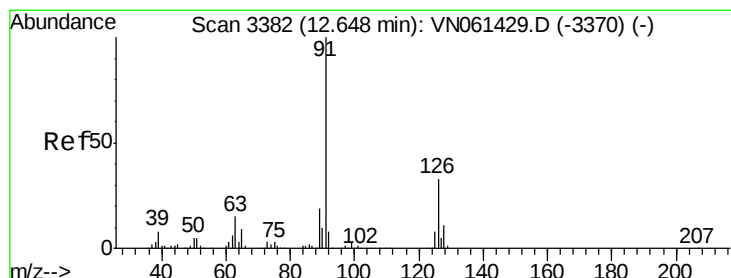
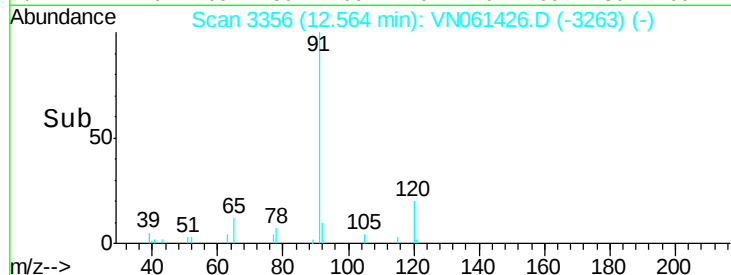
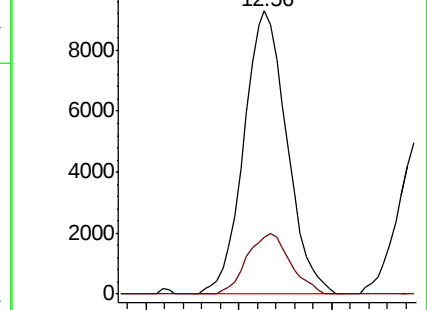
91 100

120 21.4 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3344) (-)

Ion 120.00 (119.70 to 120.70): VN061429.D (-3344) (-)



#79

2-Chlorotoluene

Concen: 0.933 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061426.D

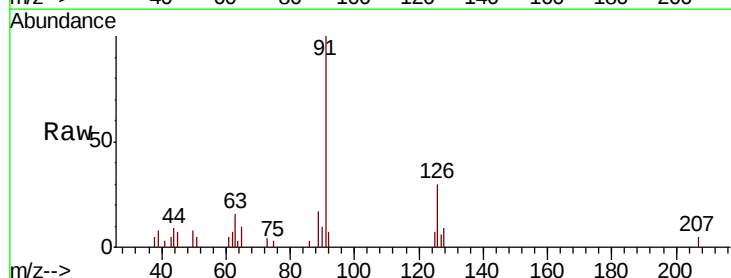
Acq: 18 May 2020 10:50

Tgt Ion: 91 Resp: 8940

Ion Ratio Lower Upper

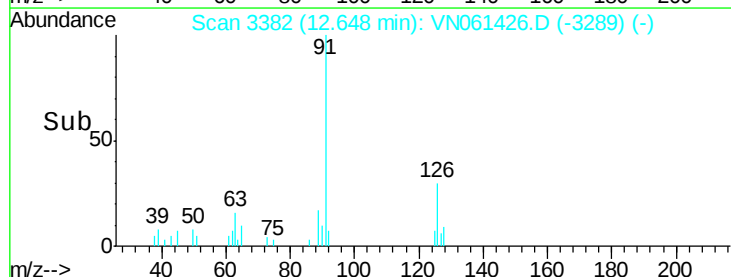
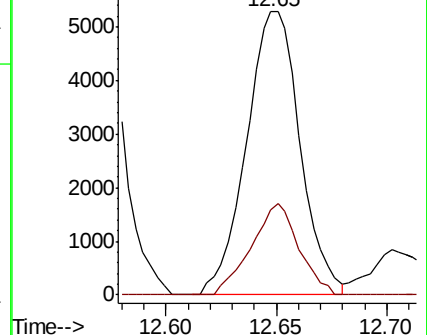
91 100

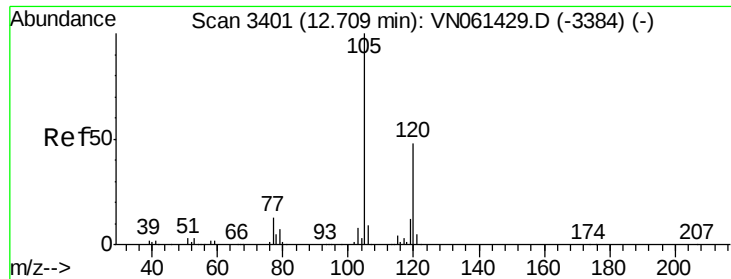
126 28.4 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN061429.D (-3370) (-)

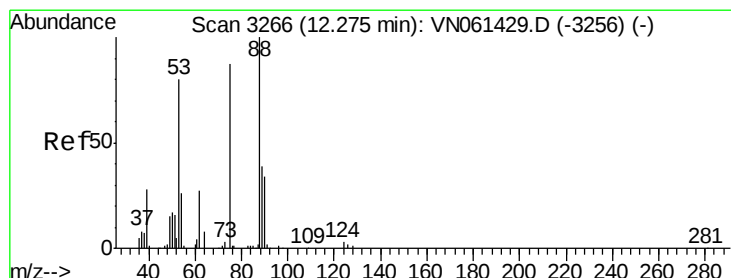
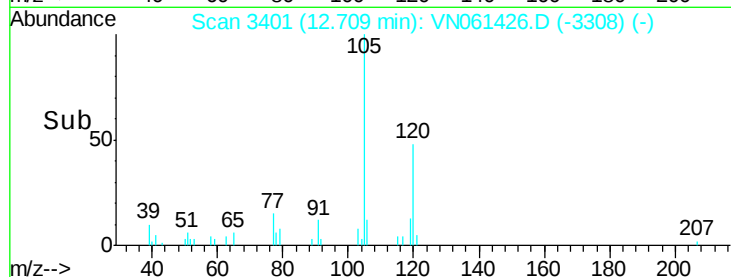
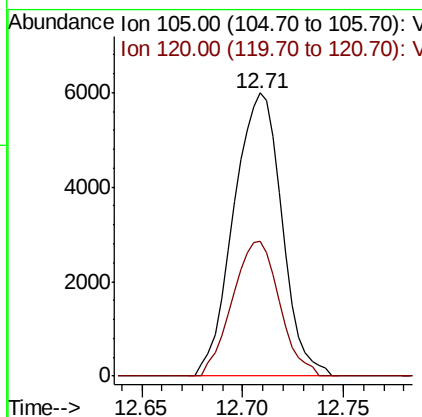
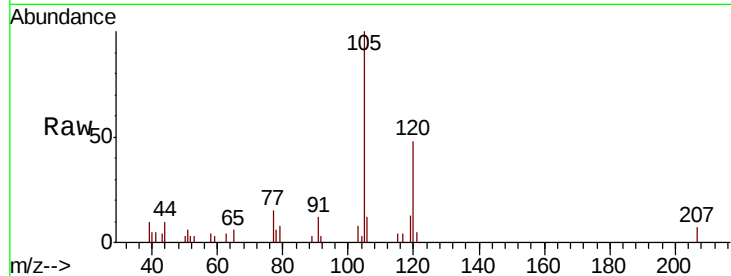




#80
 1,3,5-Trimethylbenzene
 Concen: 0.854 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

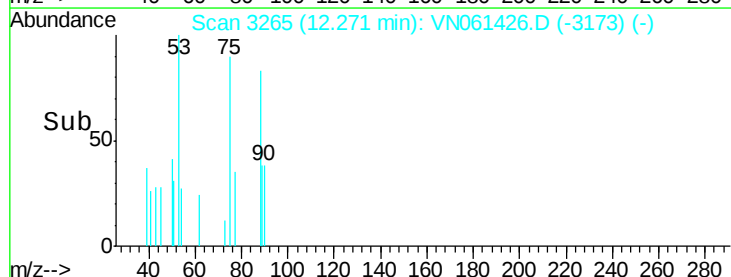
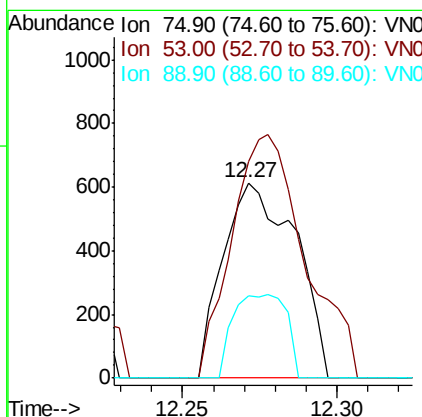
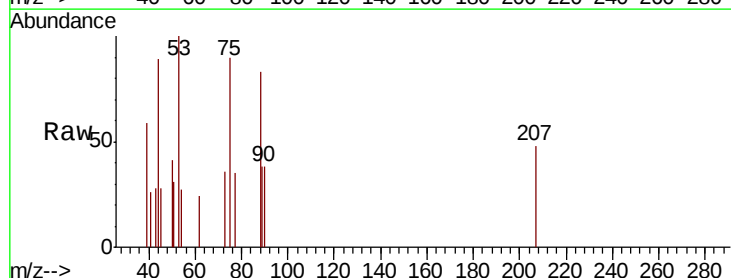
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

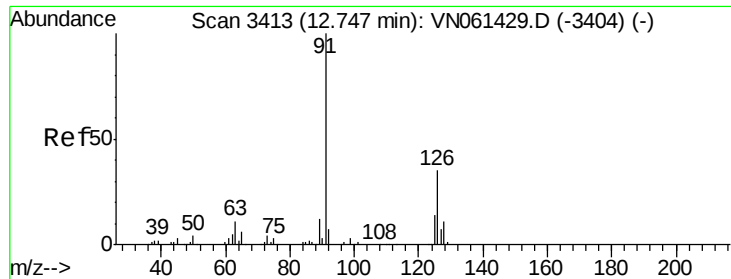
Tot Ion:105 Resp: 10021
 Ion Ratio Lower Upper
 105 100
 120 46.5 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.728 ug/l
 RT: 12.27 min Scan# 3265
 Delta R.T. -0.00 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

Tgt Ion: 75 Resp: 1002
 Ion Ratio Lower Upper
 75 100
 53 125.2 75.2 112.8#
 89 31.2 38.2 57.4#





#82

4-Chlorotoluene

Concen: 0.899 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

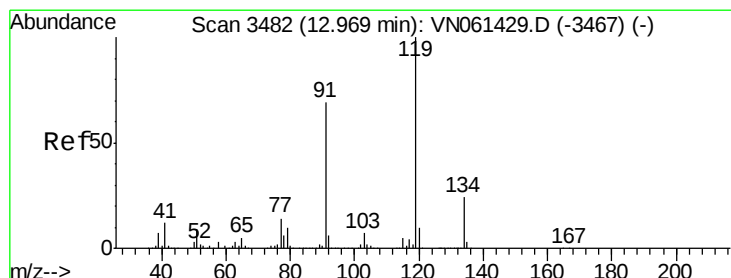
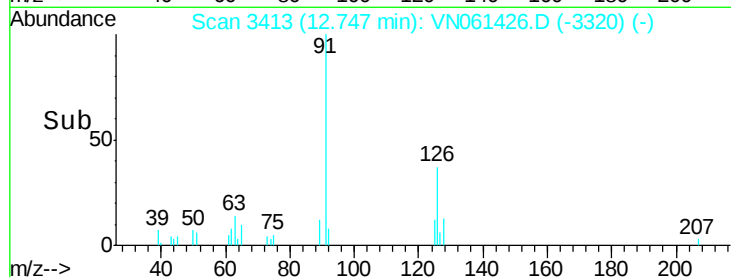
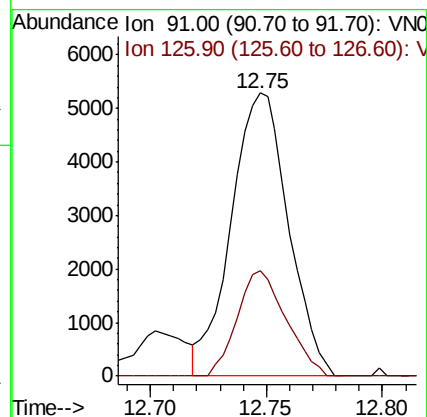
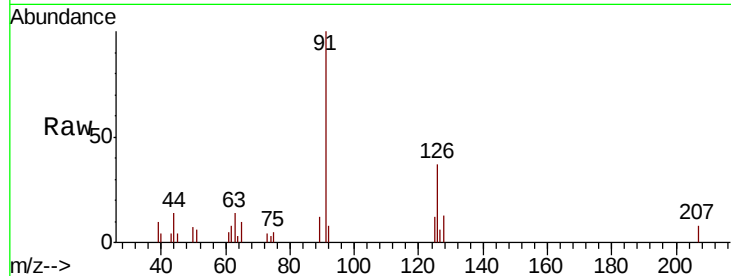
VSTDIC001

Tot Ion: 91 Resp: 9050

Ion Ratio Lower Upper

91 100

126 31.8 16.1 48.2



#83

tert-Butylbenzene

Concen: 0.866 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

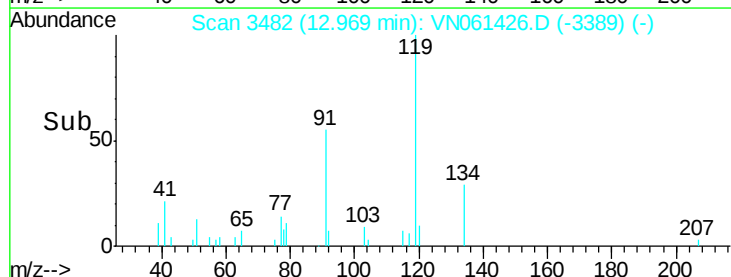
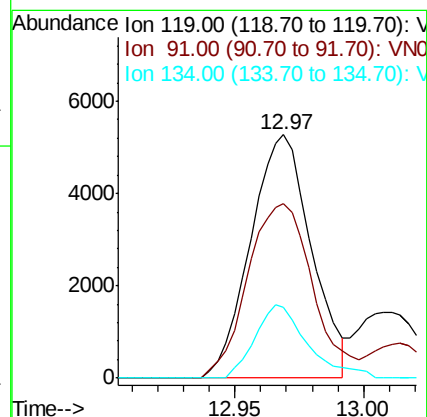
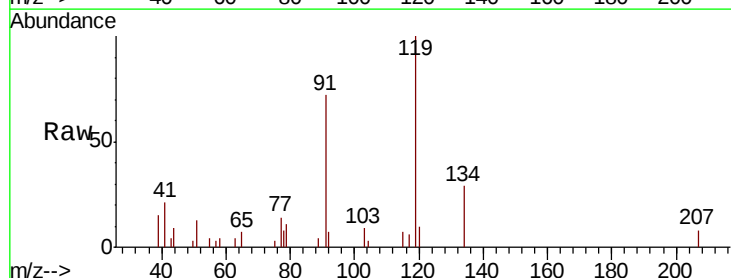
Tgt Ion: 119 Resp: 8665

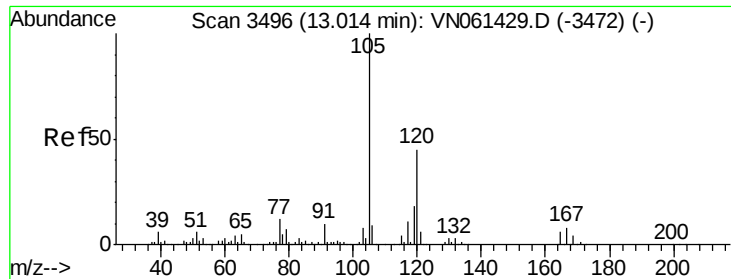
Ion Ratio Lower Upper

119 100

91 76.8 33.7 101.0

134 26.0 12.8 38.3





#84

1,2,4-Trimethylbenzene

Concen: 0.878 ug/l

RT: 13.01 min Scan# 3496

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

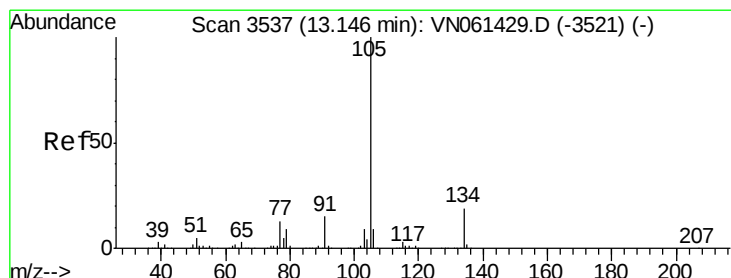
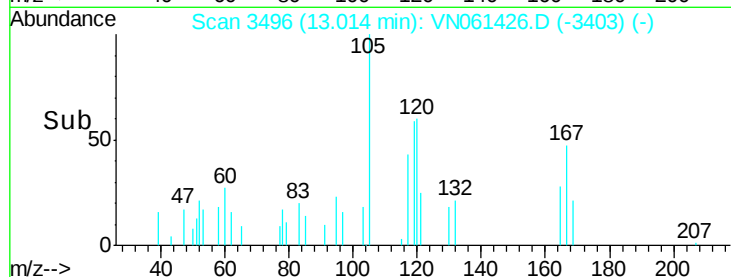
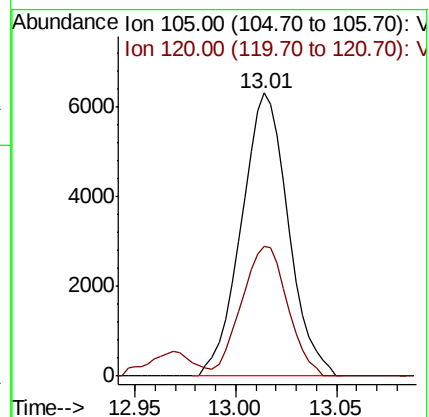
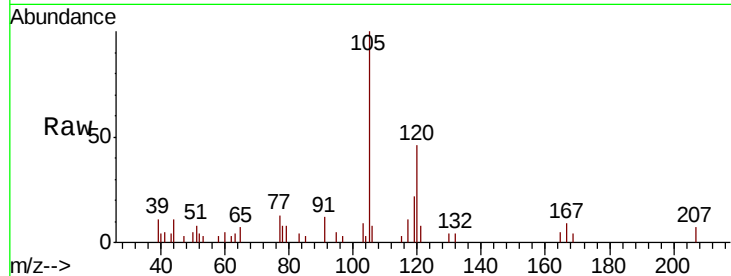
VSTDIC001

Tot Ion:105 Resp: 10276

Ion Ratio Lower Upper

105 100

120 44.9 22.4 67.3



#85

sec-Butylbenzene

Concen: 0.855 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061426.D

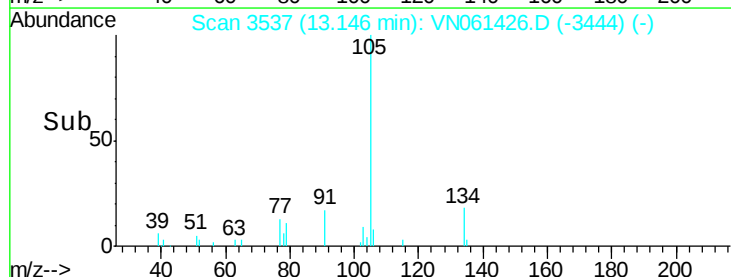
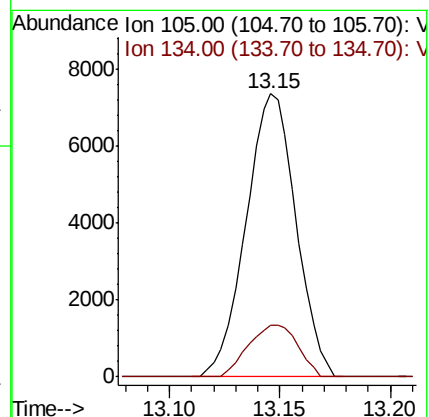
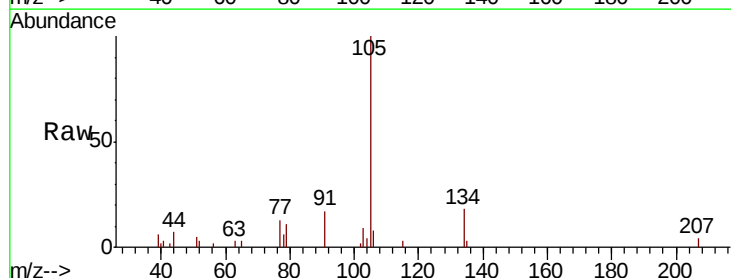
Acq: 18 May 2020 10:50

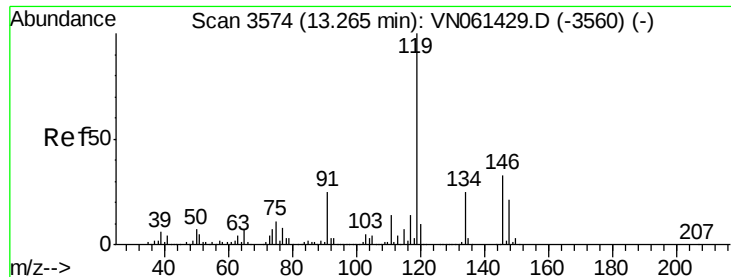
Tgt Ion:105 Resp: 11547

Ion Ratio Lower Upper

105 100

134 18.1 9.8 29.5

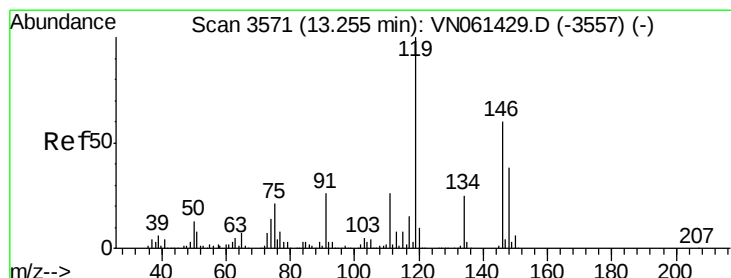
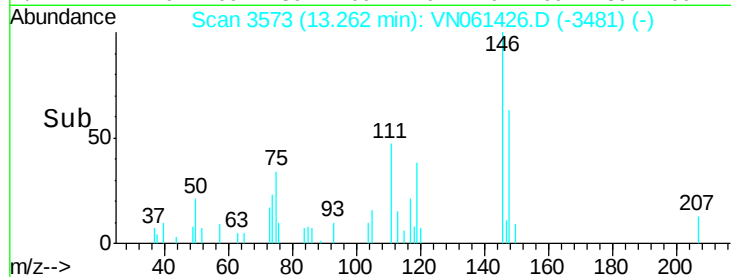
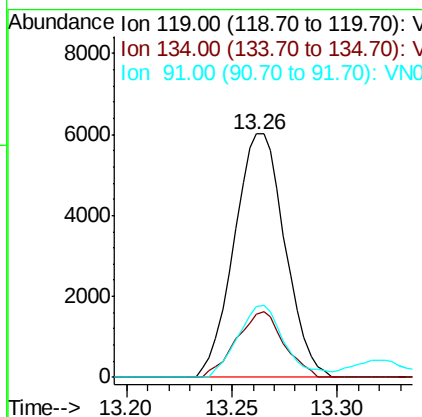
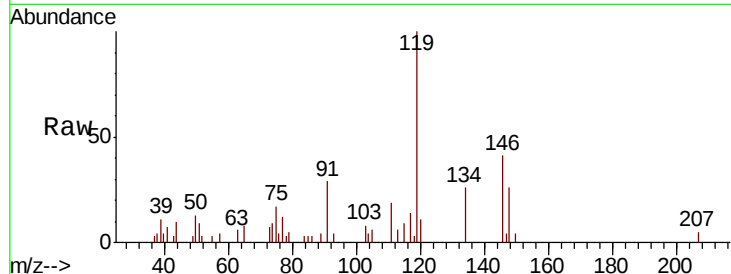




#86
p-Isopropyltoluene
Concen: 0.855 ug/l
RT: 13.26 min Scan# 3573
Delta R.T. -0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

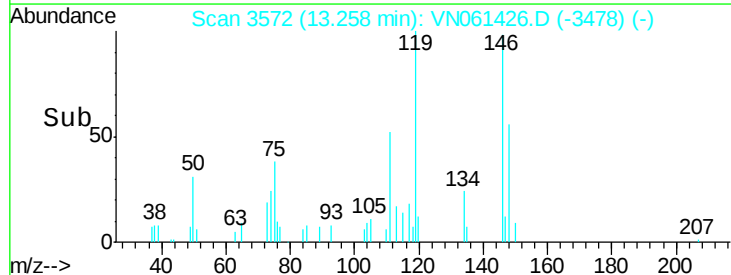
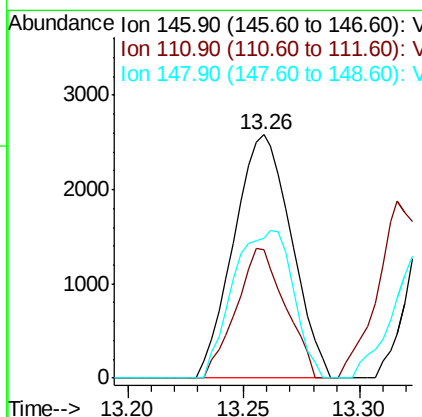
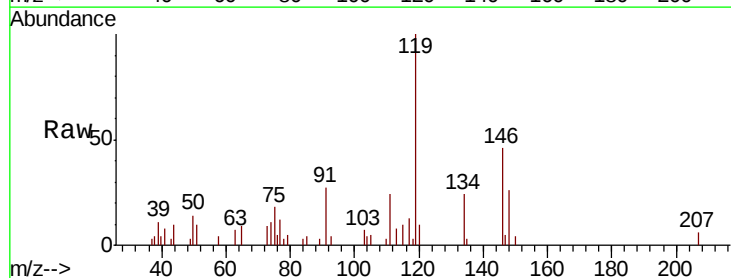
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

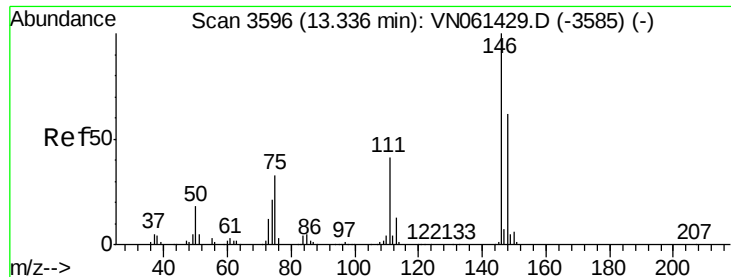
Tot Ion:119 Resp: 10026
Ion Ratio Lower Upper
119 100
134 25.3 12.7 38.1
91 27.5 12.6 37.6



#87
1,3-Dichlorobenzene
Concen: 0.799 ug/l
RT: 13.26 min Scan# 3572
Delta R.T. 0.00 min
Lab File: VN061426.D
Acq: 18 May 2020 10:50

Tgt Ion:146 Resp: 4447
Ion Ratio Lower Upper
146 100
111 45.8 21.5 64.5
148 63.1 31.8 95.3

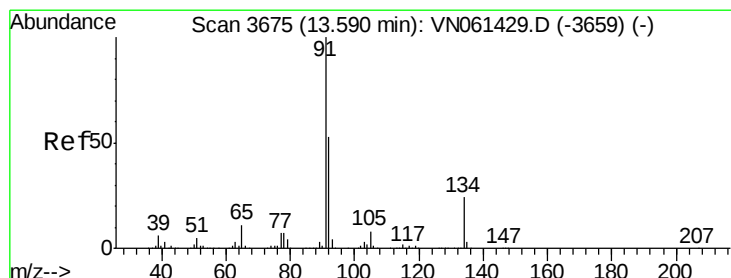
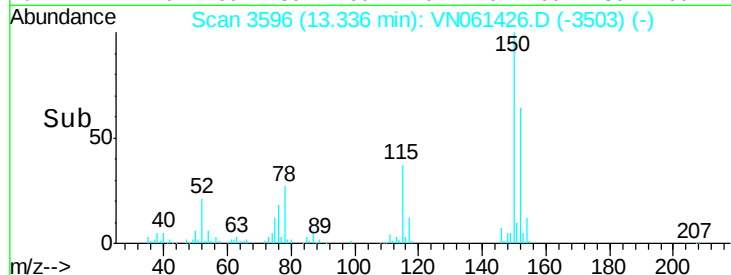
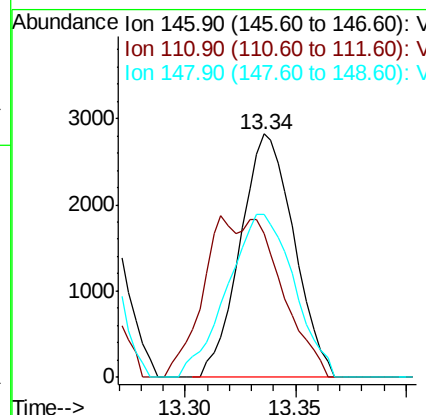
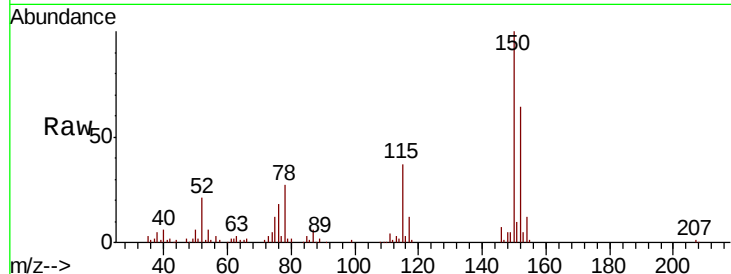




#88
 1,4-Dichlorobenzene
 Concen: 0.833 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

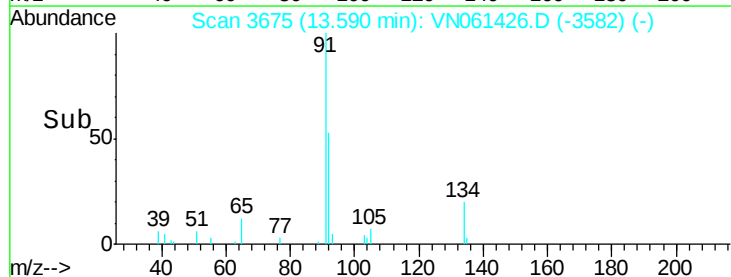
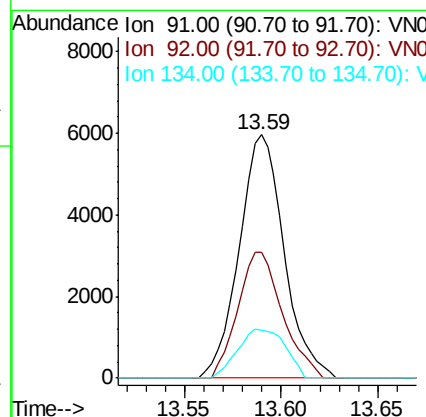
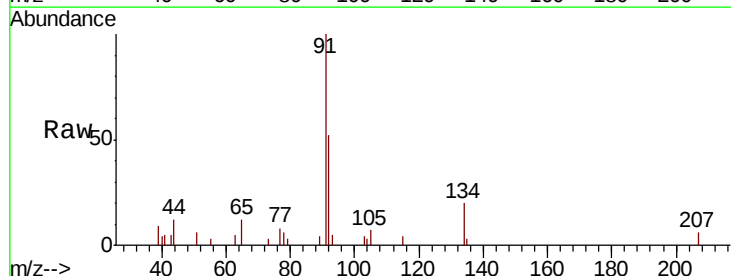
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

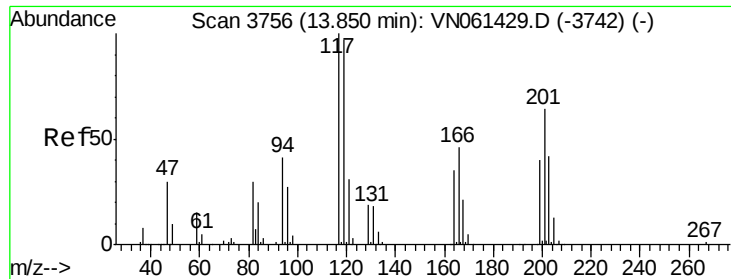
Tot Ion:146 Resp: 4761
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.8 62.5
 148 83.2 31.6 94.8



#89
 n-Butylbenzene
 Concen: 0.905 ug/l
 RT: 13.59 min Scan# 3675
 Delta R.T. -0.00 min
 Lab File: VN061426.D
 Acq: 18 May 2020 10:50

Tgt Ion: 91 Resp: 9627
 Ion Ratio Lower Upper
 91 100
 92 51.1 26.8 80.3
 134 21.3 12.4 37.4





#90

Hexachloroethane

Concen: 0.777 ug/l

RT: 13.85 min Scan# 3757

Delta R.T. 0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampled :

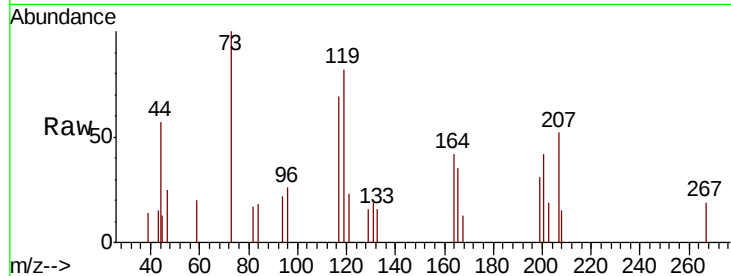
VSTDIC001

Tot Ion:117 Resp: 1256

Ion Ratio Lower Upper

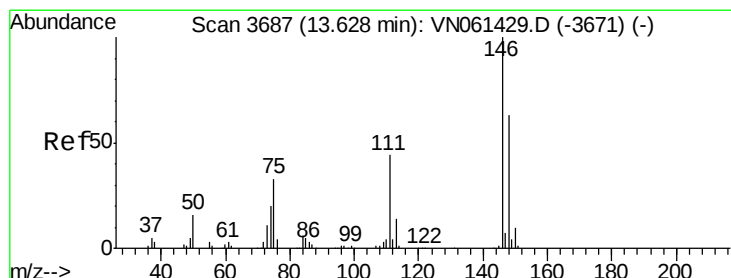
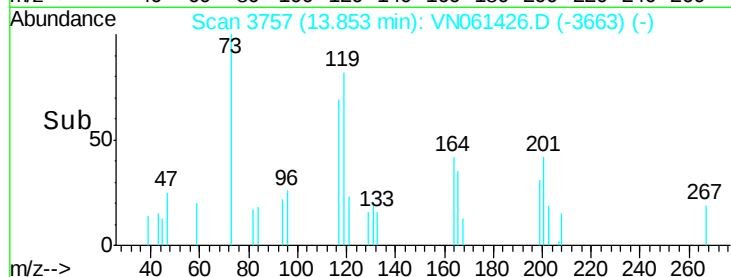
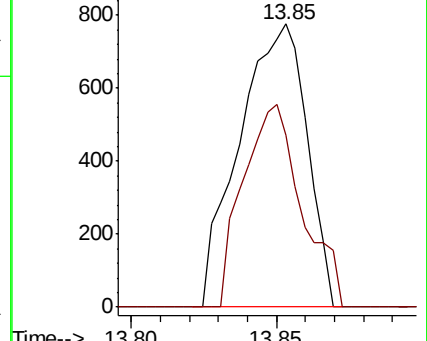
117 100

201 62.1 32.9 98.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.864 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

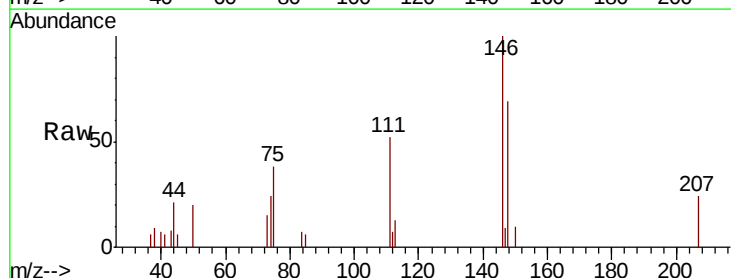
Tgt Ion:146 Resp: 4594

Ion Ratio Lower Upper

146 100

111 49.7 21.9 65.7

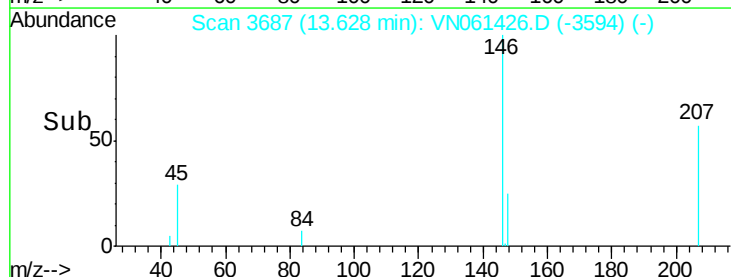
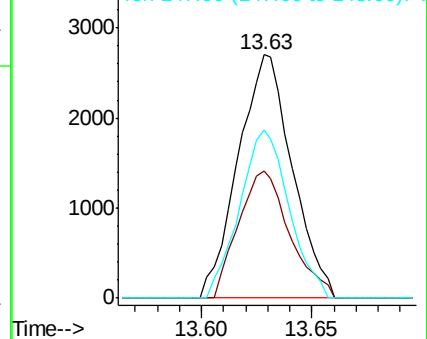
148 63.1 31.6 94.7

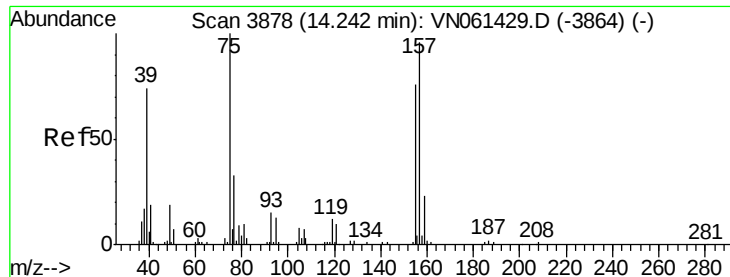


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.959 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. 0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

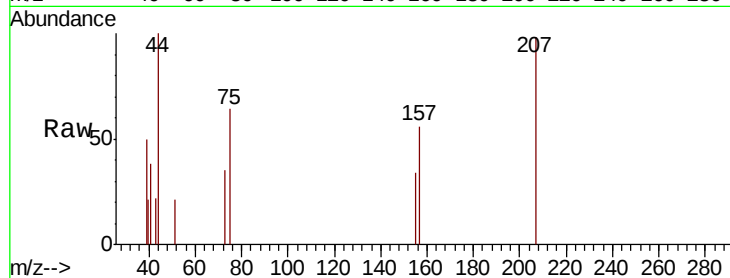
Tot Ion: 75 Resp: 737

Ion Ratio Lower Upper

75 100

155 59.7 38.9 116.7

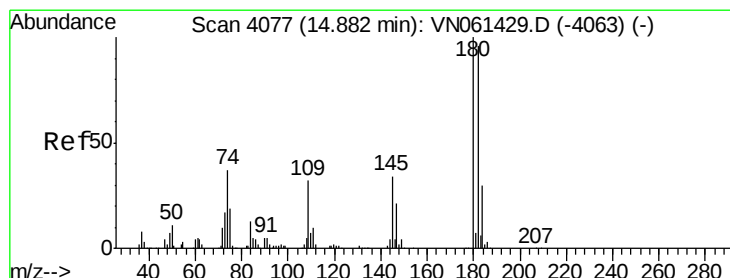
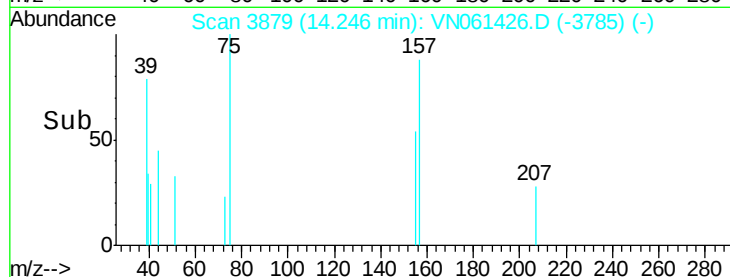
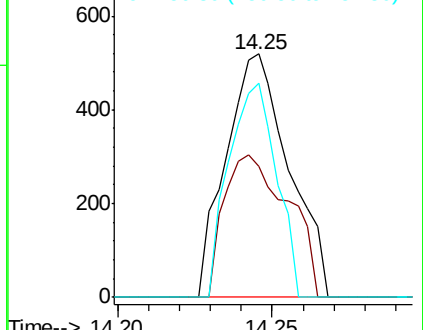
157 66.5 48.6 145.8



Abundance Ion 74.90 (74.60 to 75.60): VN061426.D (-3785) (-)

Ion 154.80 (154.50 to 155.50): VN061426.D (-3785) (-)

Ion 156.80 (156.50 to 157.50): VN061426.D (-3785) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.723 ug/l

RT: 14.89 min Scan# 4078

Delta R.T. 0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

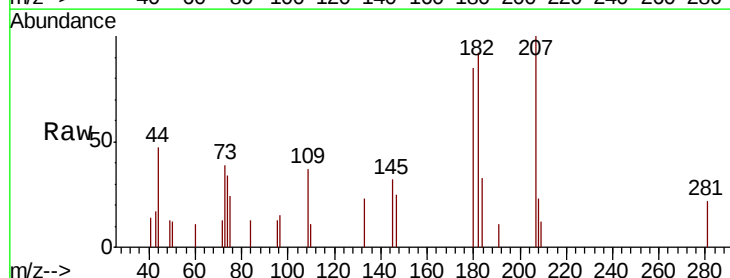
Tgt Ion: 180 Resp: 2109

Ion Ratio Lower Upper

180 100

182 117.3 47.0 141.0

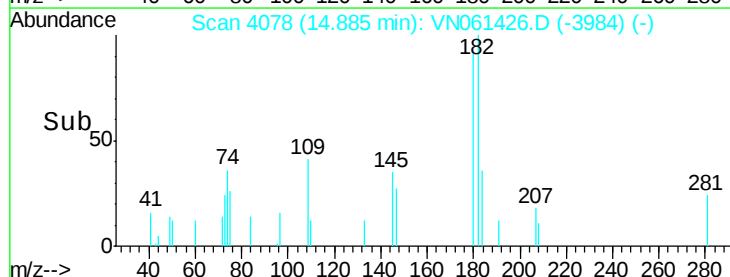
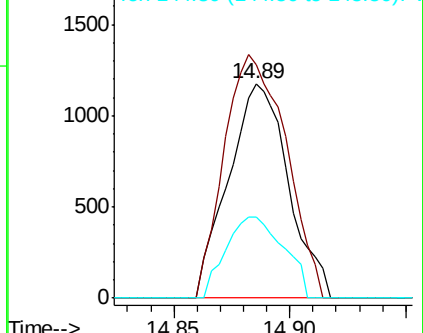
145 36.5 16.7 50.0

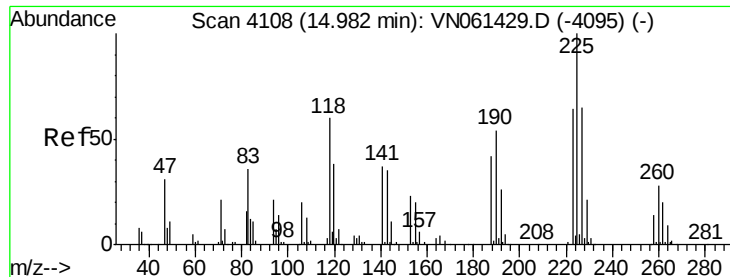


Abundance Ion 179.80 (179.50 to 180.50): VN061426.D (-3984) (-)

Ion 181.80 (181.50 to 182.50): VN061426.D (-3984) (-)

Ion 144.80 (144.50 to 145.50): VN061426.D (-3984) (-)





#94

Hexachlorobutadiene

Concen: 1.099 ug/l

RT: 14.98 min Scan# 4108

Delta R.T. -0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

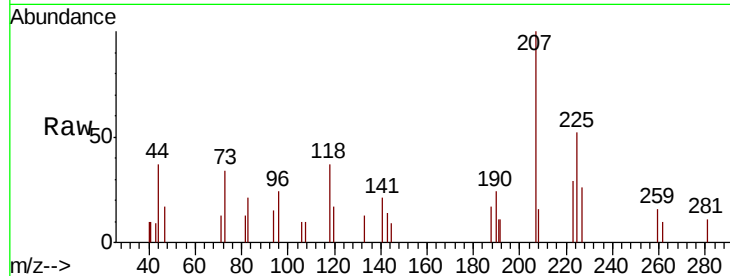
Tot Ion:225 Resp: 1234

Ion Ratio Lower Upper

225 100

223 59.6 31.9 95.7

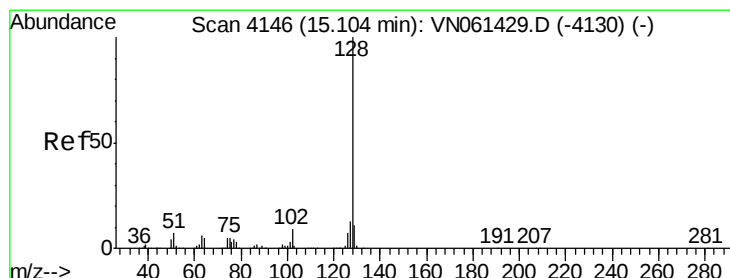
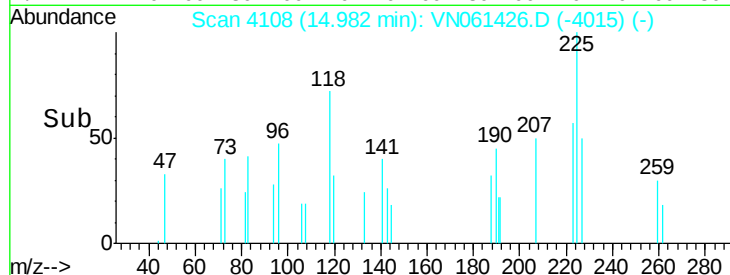
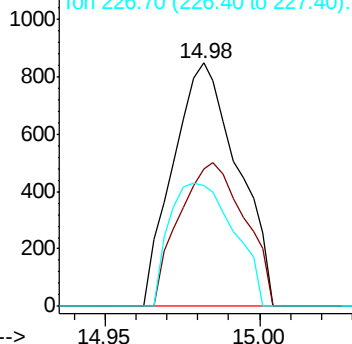
227 50.6 31.5 94.5



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.716 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

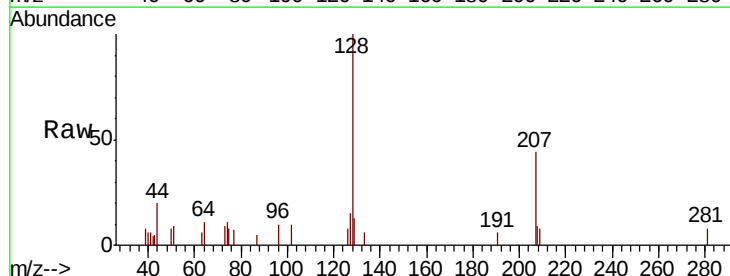
Tgt Ion:128 Resp: 6767

Ion Ratio Lower Upper

128 100

127 13.5 10.1 15.1

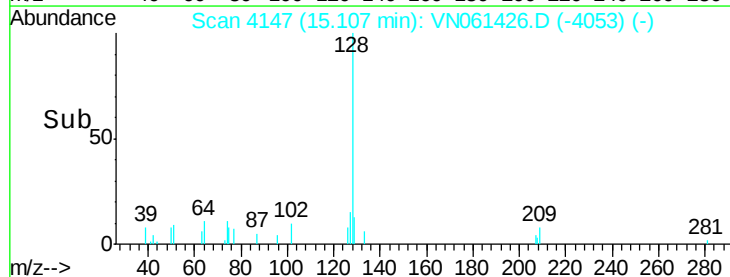
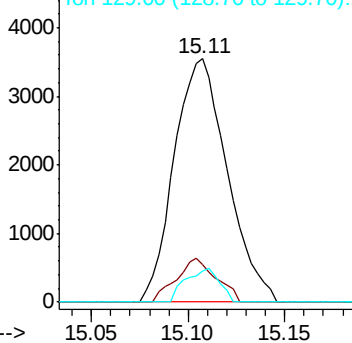
129 8.8 8.6 13.0

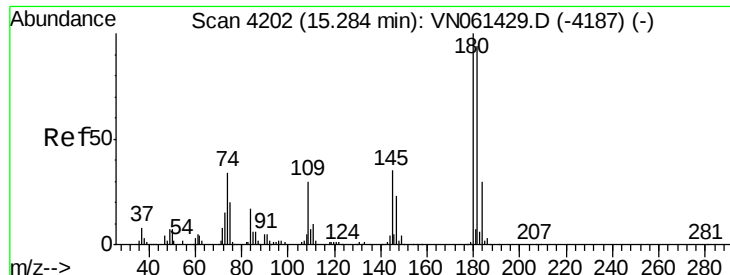


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 0.794 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061426.D

Acq: 18 May 2020 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

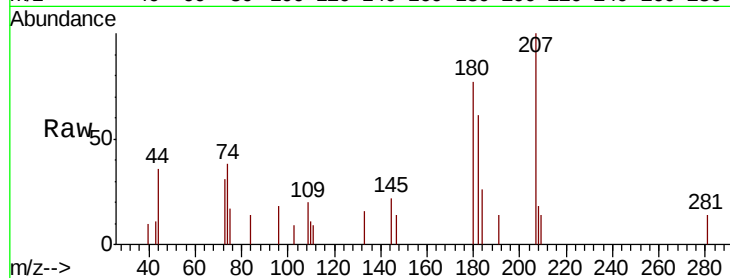
Tot Ion:180 Resp: 2314

Ion Ratio Lower Upper

180 100

182 83.3 47.8 143.3

145 29.3 17.3 51.9



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

