

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022720\
 Data File : VN060261.D
 Acq On : 27 Feb 2020 10:21
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Feb 27 12:12:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 12:09:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	256658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	409139	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	368408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	170338	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	3601	1.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.30%	
35) Dibromofluoromethane	7.56	113	2448	1.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.06%	
50) Toluene-d8	10.08	98	11206	1.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.30%	
62) 4-Bromofluorobenzene	12.40	95	4527	1.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	2814	1.12	ug/l	90
3) Chloromethane	2.04	50	5620	1.76	ug/l	94
4) Vinyl Chloride	2.16	62	4023	1.16	ug/l	99
5) Bromomethane	2.55	94	2628	1.31	ug/l	96
6) Chloroethane	2.69	64	2055	1.15	ug/l	95
7) Trichlorofluoromethane	3.00	101	4924	1.10	ug/l	96
8) Diethyl Ether	3.38	74	2199	1.45	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	3036	1.22	ug/l	91
10) Methyl Iodide	3.92	142	2545	0.89	ug/l #	87
11) Tert butyl alcohol	4.72	59	2883	6.13	ug/l #	73
12) 1,1-Dichloroethene	3.72	96	2912	1.19	ug/l	93
13) Acrolein	3.58	56	2248	4.82	ug/l	98
14) Allyl chloride	4.29	41	6002	1.59	ug/l #	56
15) Acrylonitrile	4.95	53	6961	5.98	ug/l	99
16) Acetone	3.78	43	5714	4.41	ug/l	95
17) Carbon Disulfide	4.03	76	10493	1.45	ug/l #	92
18) Methyl Acetate	4.29	43	4493	1.68	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	9658	1.17	ug/l	97
20) Methylene Chloride	4.52	84	3270	1.19	ug/l	88
21) trans-1,2-Dichloroethene	5.00	96	3677	1.39	ug/l	93
22) Diisopropyl ether	5.91	45	10215	1.27	ug/l	95
23) Vinyl Acetate	5.86	43	37383	5.58	ug/l	98
24) 1,1-Dichloroethane	5.81	63	5535	1.15	ug/l #	84
25) 2-Butanone	6.80	43	8396	4.95	ug/l	97
26) 2,2-Dichloropropane	6.79	77	5312	1.17	ug/l	84
27) cis-1,2-Dichloroethene	6.79	96	4806	1.55	ug/l	80
28) Bromochloromethane	7.17	49	2316	1.23	ug/l #	95
29) Tetrahydrofuran	7.18	42	7041	6.58	ug/l	96
30) Chloroform	7.35	83	5755	1.15	ug/l	95
31) Cyclohexane	7.63	56	11029	2.47	ug/l #	57
32) 1,1,1-Trichloroethane	7.54	97	5096	1.12	ug/l #	51
36) 1,1-Dichloropropene	7.77	75	4583	1.21	ug/l	98
37) Ethyl Acetate	6.90	43	3740	1.08	ug/l #	91
38) Carbon Tetrachloride	7.75	117	4335	1.07	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	5155	1.11	ug/l	97
40) Benzene	8.02	78	13228	1.18	ug/l	99
41) Methacrylonitrile	7.14	41	1804	1.23	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	4777	1.21	ug/l	93
43) Isopropyl Acetate	8.14	43	6866	1.15	ug/l #	92
44) Trichloroethene	8.82	130	3813	1.23	ug/l	92
45) 1,2-Dichloropropane	9.10	63	3463	1.23	ug/l	97
46) Dibromomethane	9.19	93	2183	1.12	ug/l	95
47) Bromodichloromethane	9.38	83	4173	1.05	ug/l	92
48) Methyl methacrylate	9.18	41	3315	1.24	ug/l	90
49) 1,4-Dioxane	9.18	88	1080	25.00	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	18865	5.51	ug/l	100
52) Toluene	10.14	92	7984	1.11	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	5345	1.18	ug/l #	84
54) cis-1,3-Dichloropropene	9.82	75	5872	1.23	ug/l	90
55) 1,1,2-Trichloroethane	10.55	97	3537	1.26	ug/l #	88
56) Ethyl methacrylate	10.42	69	4095	1.03	ug/l	87
57) 1,3-Dichloropropane	10.70	76	5367	1.15	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	12099	6.40	ug/l	99
59) 2-Hexanone	10.74	43	14732	5.65	ug/l	96
60) Dibromochloromethane	10.89	129	2892	0.91	ug/l	97
61) 1,2-Dibromoethane	10.99	107	2990	1.03	ug/l	100
64) Tetrachloroethene	10.62	164	3996	1.40	ug/l #	82
65) Chlorobenzene	11.43	112	8735	1.17	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.50	131	3113	1.10	ug/l #	64
67) Ethyl Benzene	11.50	91	15390	1.14	ug/l	99
68) m/p-Xylenes	11.62	106	10933	2.16	ug/l	92
69) o-Xylene	11.94	106	5634	1.16	ug/l	98
70) Styrene	11.96	104	8531	1.08	ug/l	97
71) Bromoform	12.12	173	1937	0.87	ug/l #	92
73) Isopropylbenzene	12.25	105	14506	1.14	ug/l	98
74) N-amyl acetate	12.06	43	6341	1.35	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	3977	1.10	ug/l	93
76) 1,2,3-Trichloropropane	12.55	75	6439	1.96	ug/l #	100
77) Bromobenzene	12.52	156	3871	1.23	ug/l	97
78) n-propylbenzene	12.59	91	17881	1.23	ug/l	100
79) 2-Chlorotoluene	12.67	91	10551	1.23	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	12747	1.20	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	1949	1.46	ug/l #	49
82) 4-Chlorotoluene	12.77	91	11456	1.30	ug/l	97
83) tert-Butylbenzene	12.99	119	10936	1.16	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	12836	1.23	ug/l	94
85) sec-Butylbenzene	13.17	105	15004	1.21	ug/l	100
86) p-Isopropyltoluene	13.29	119	13690	1.22	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	7347	1.32	ug/l	99
88) 1,4-Dichlorobenzene	13.28	146	7347	1.32	ug/l	99
89) n-Butylbenzene	13.61	91	13167	1.33	ug/l	98
90) Hexachloroethane	13.87	117	2021	0.99	ug/l	81
91) 1,2-Dichlorobenzene	13.65	146	6840	1.25	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	990	1.18	ug/l	91

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QLast Update : Thu Feb 27 12:09:31 2020
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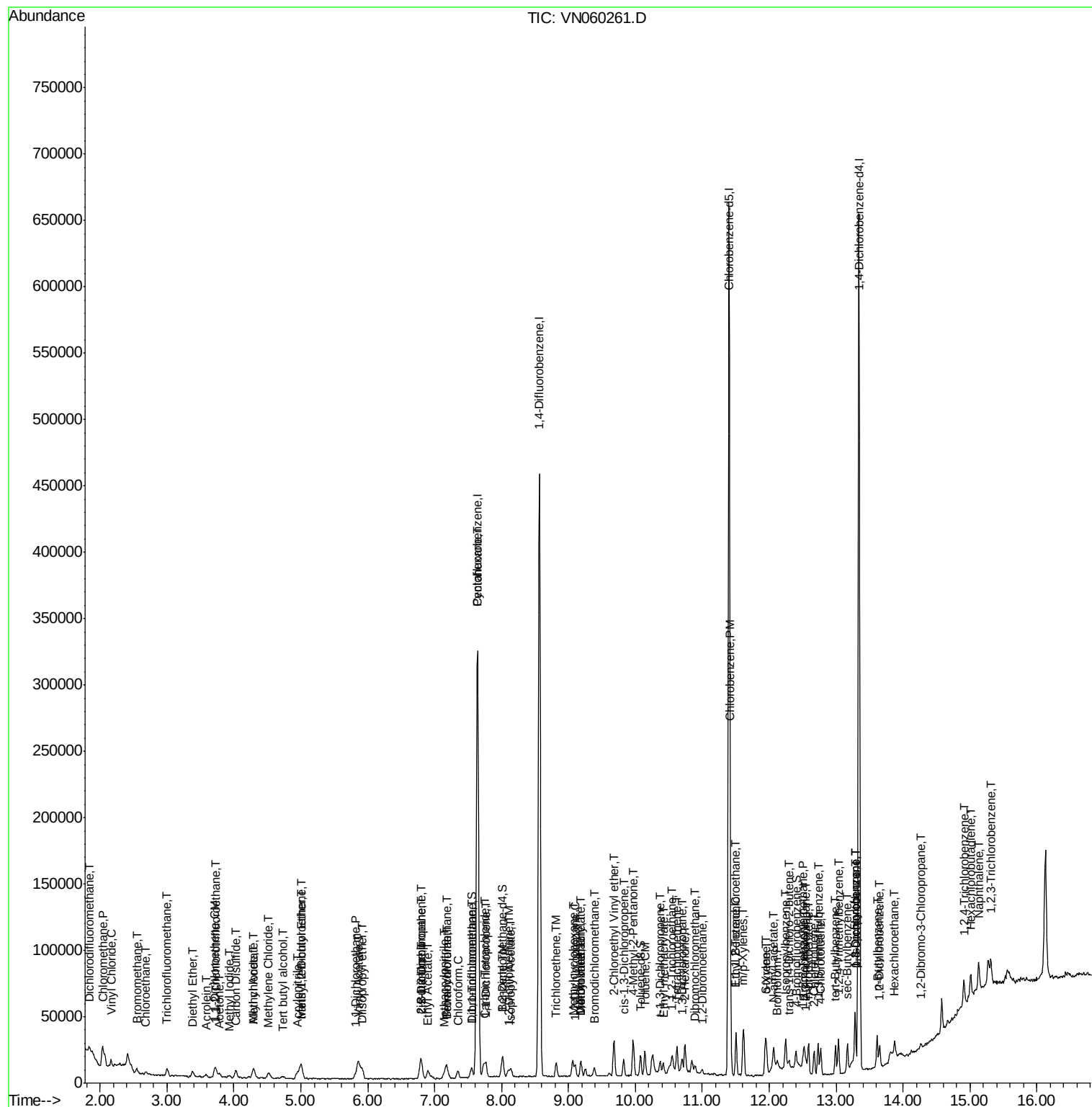
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	5957	1.84	ug/l	96
94) Hexachlorobutadiene	15.01	225	3463	1.87	ug/l	96
95) Naphthalene	15.13	128	17569	1.98	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	6259	1.95	ug/l	95

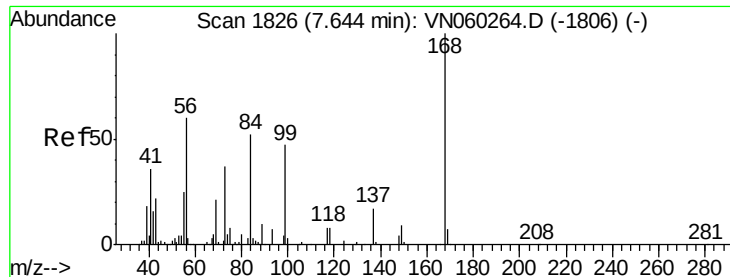
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN022720\
 Data File : VN060261.D
 Acq On : 27 Feb 2020 10:21
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampleId :

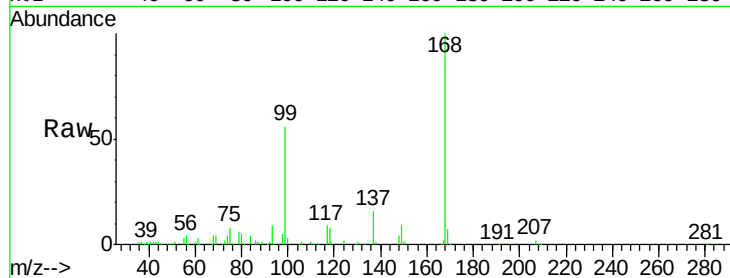
VSTDIC001

Tgt Ion:168 Resp: 256658

Ion Ratio Lower Upper

168 100

99 56.2 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

120000

100000

80000

60000

40000

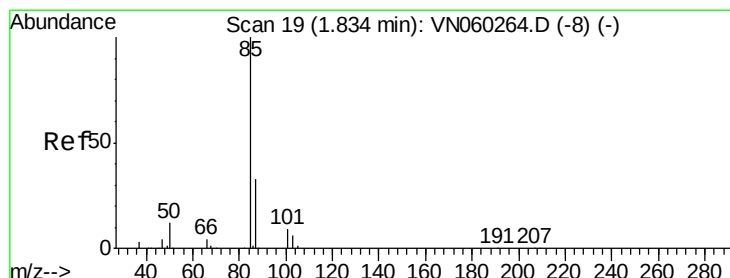
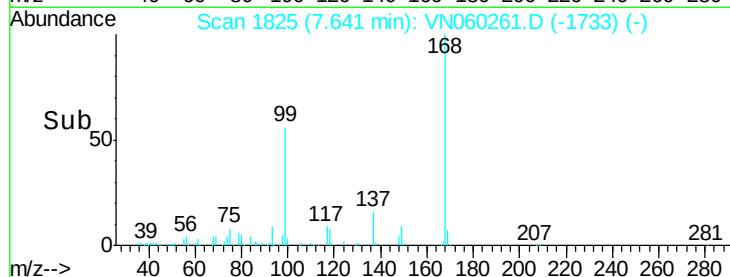
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 1.12 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060261.D

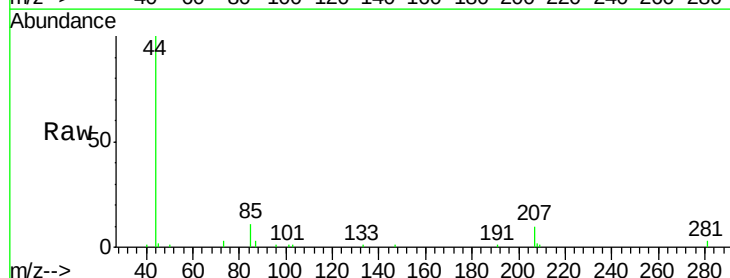
Acq: 27 Feb 2020 10:21

Tgt Ion: 85 Resp: 2814

Ion Ratio Lower Upper

85 100

87 27.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

2500

2000

1500

1000

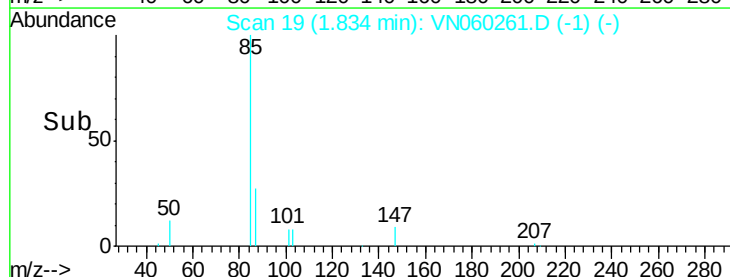
500

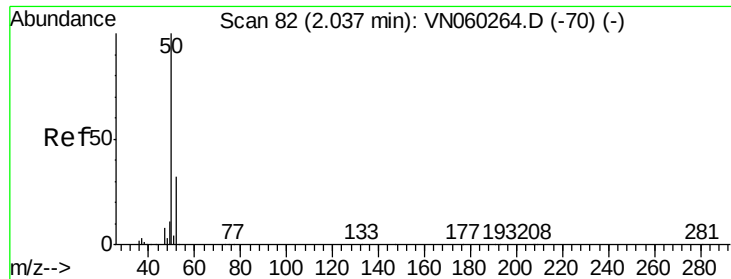
0

1.80

1.85

Time-->





#3

Chloromethane

Concen: 1.76 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampleId :

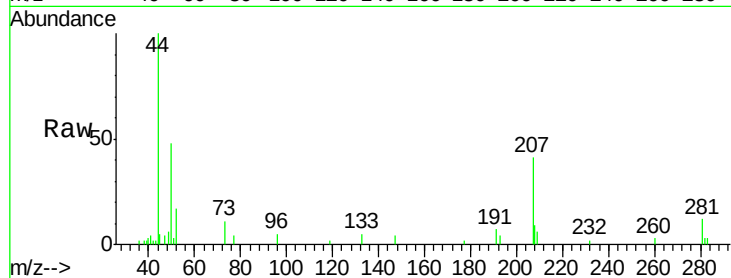
VSTDIC001

Tgt Ion: 50 Resp: 5620

Ion Ratio Lower Upper

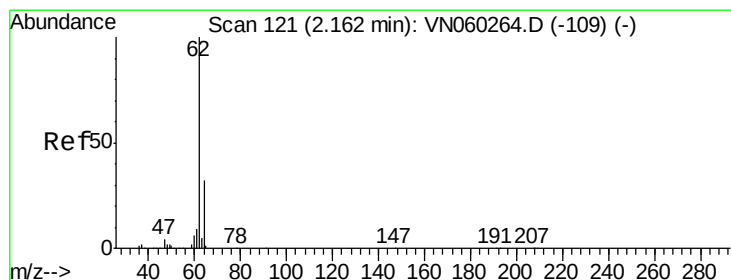
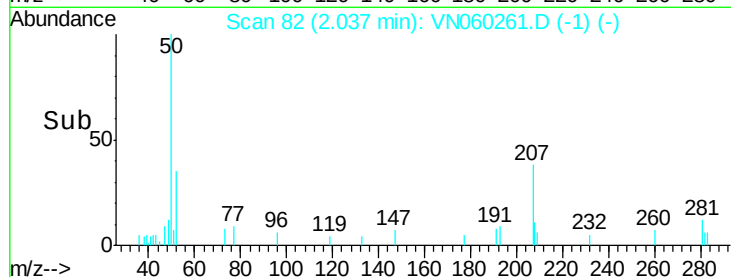
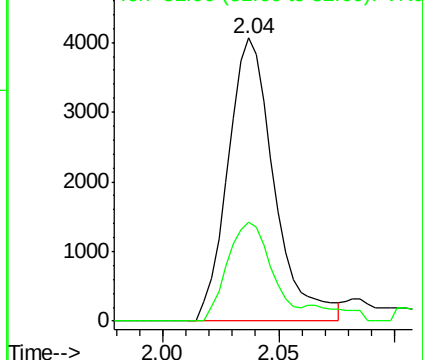
50 100

52 35.1 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 1.16 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN060261.D

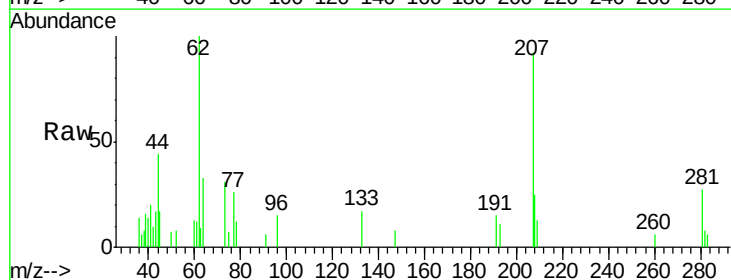
Acq: 27 Feb 2020 10:21

Tgt Ion: 62 Resp: 4023

Ion Ratio Lower Upper

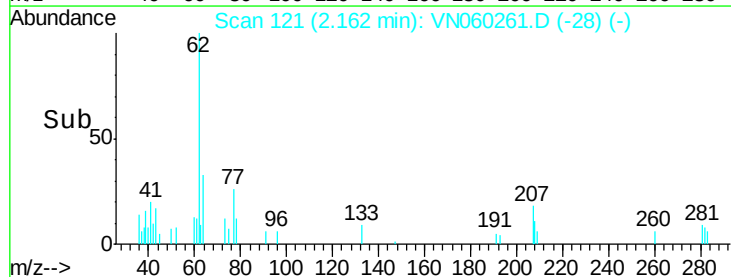
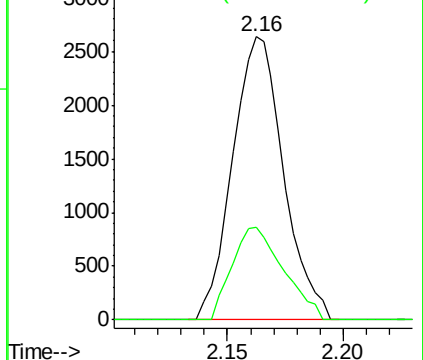
62 100

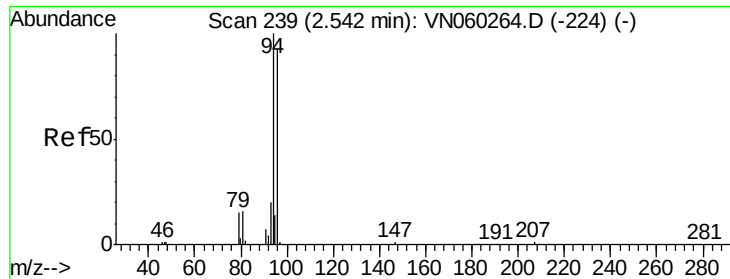
64 32.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 1.31 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampleId :

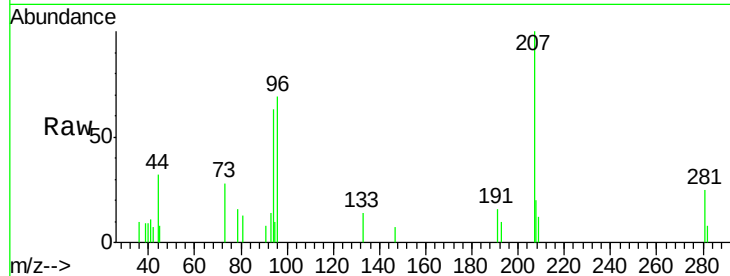
VSTDIC001

Tgt Ion: 94 Resp: 2628

Ion Ratio Lower Upper

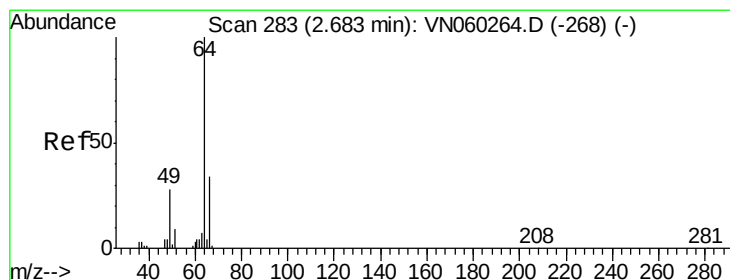
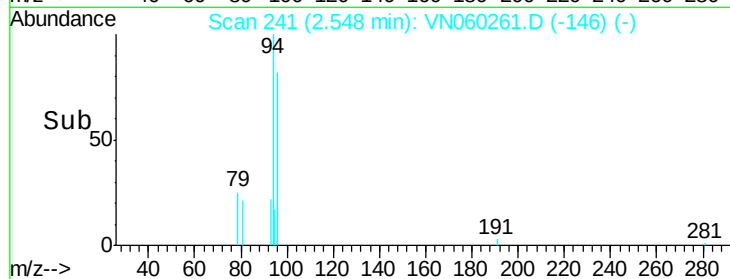
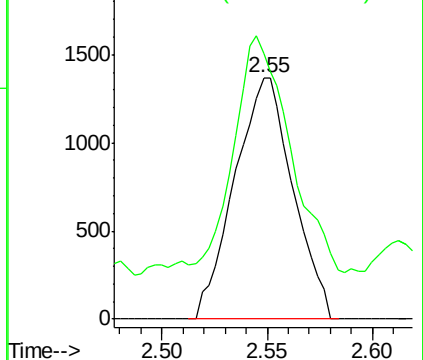
94 100

96 89.1 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 1.15 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN060261.D

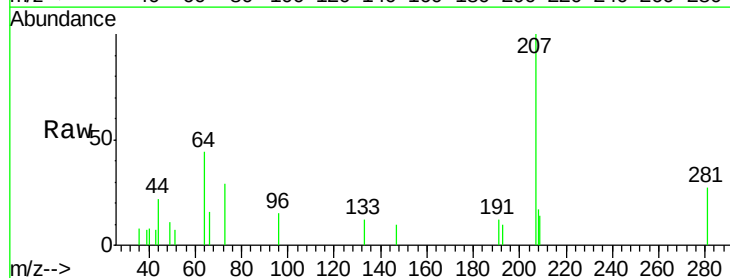
Acq: 27 Feb 2020 10:21

Tgt Ion: 64 Resp: 2055

Ion Ratio Lower Upper

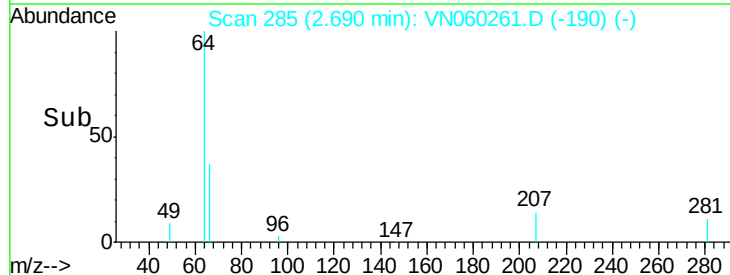
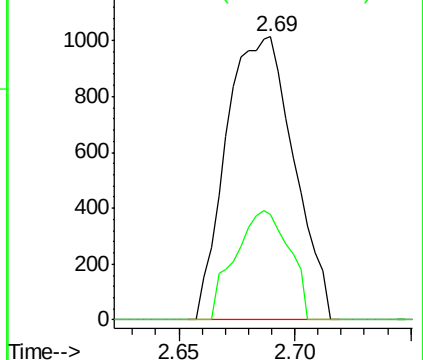
64 100

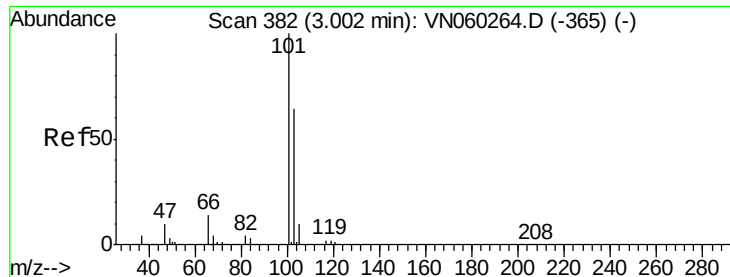
66 37.2 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



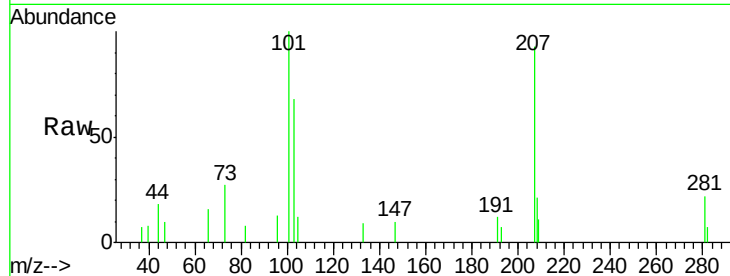


#7

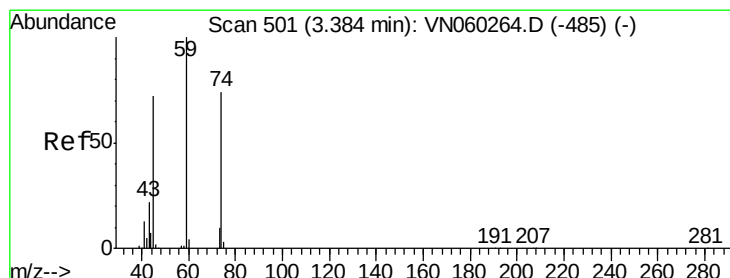
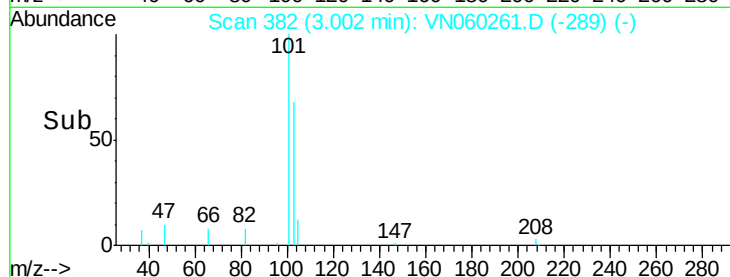
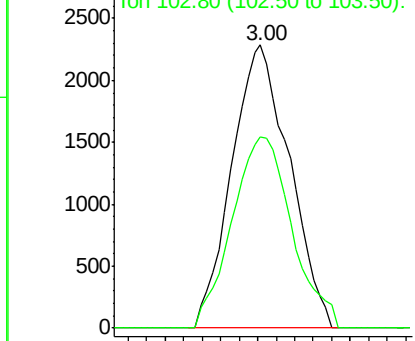
Trichlorofluoromethane
 Concen: 1.10 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060261.D
 Acq: 27 Feb 2020 10:21

Instrument :
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Tgt Ion: 101 Resp: 4924
 Ion Ratio Lower Upper
 101 100
 103 67.6 51.3 76.9



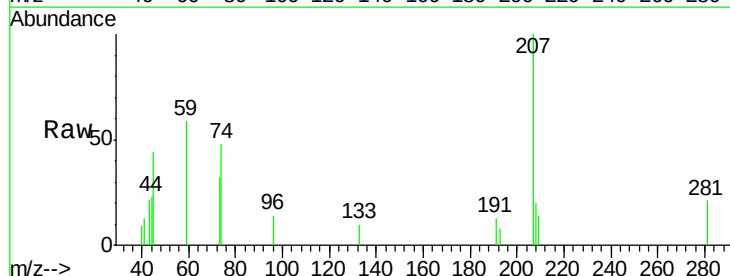
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



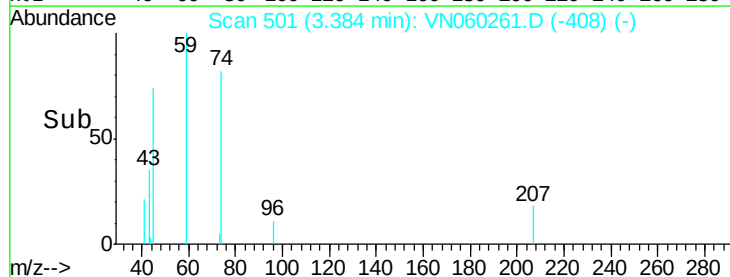
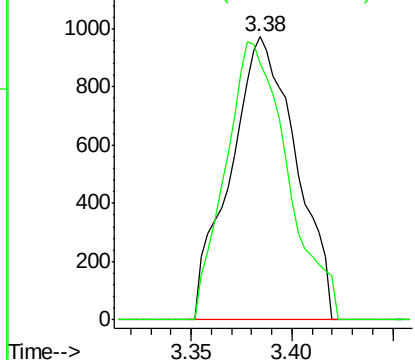
#8

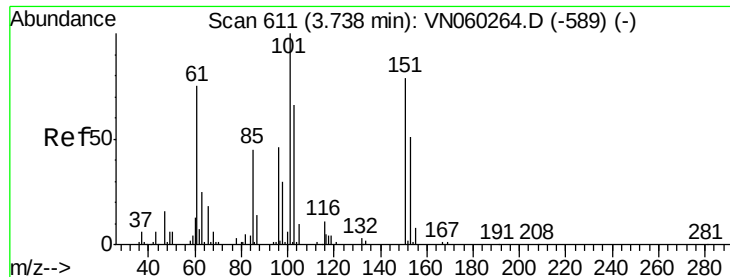
Diethyl Ether
 Concen: 1.45 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
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Tgt Ion: 74 Resp: 2199
 Ion Ratio Lower Upper
 74 100
 45 93.3 49.5 148.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.22 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

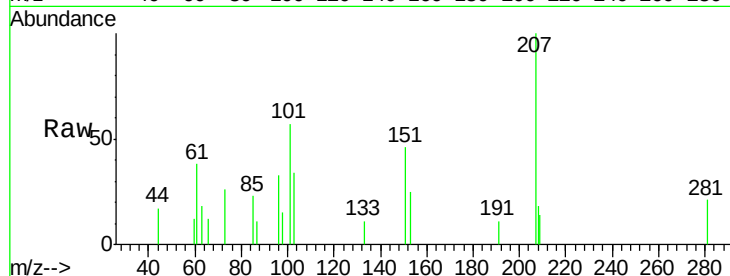
Tgt Ion:101 Resp: 3036

Ion Ratio Lower Upper

101 100

85 37.2 35.4 53.2

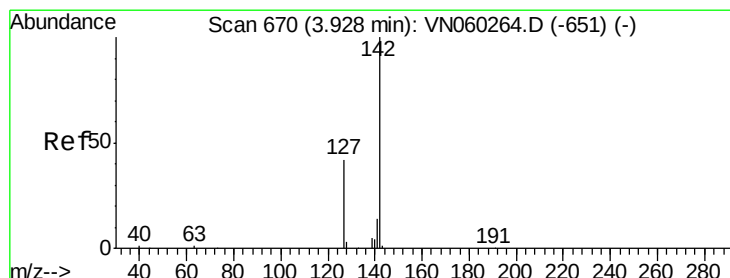
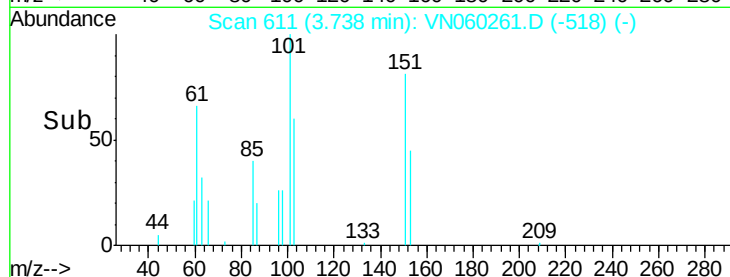
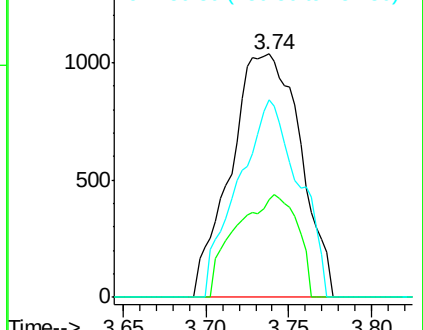
151 70.9 62.0 93.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.89 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

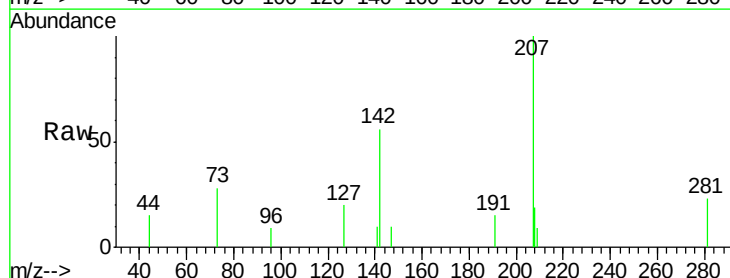
Tgt Ion:142 Resp: 2545

Ion Ratio Lower Upper

142 100

127 36.9 33.8 50.6

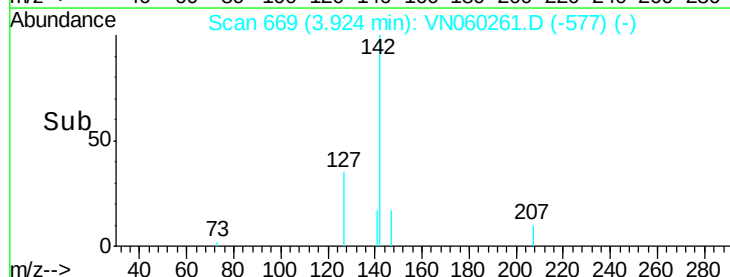
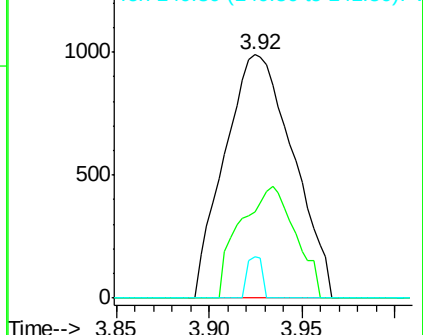
141 3.7 11.1 16.7#

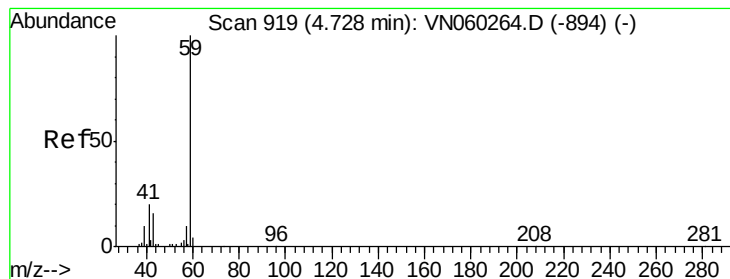


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



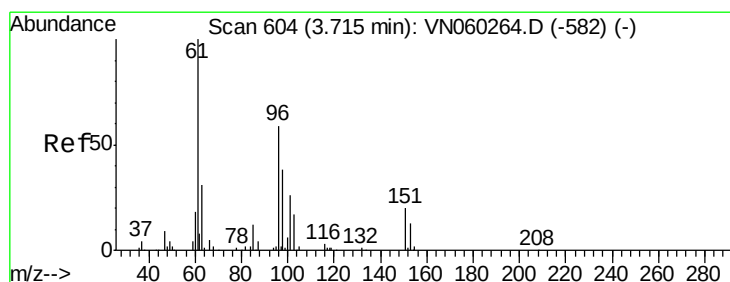
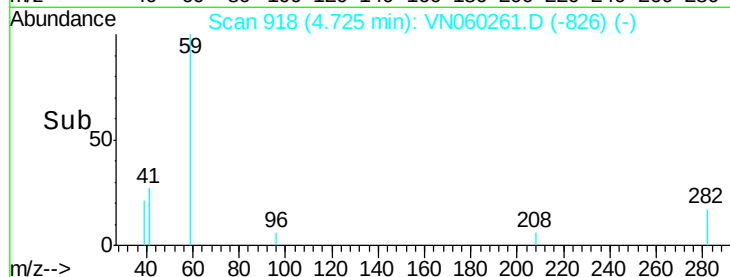
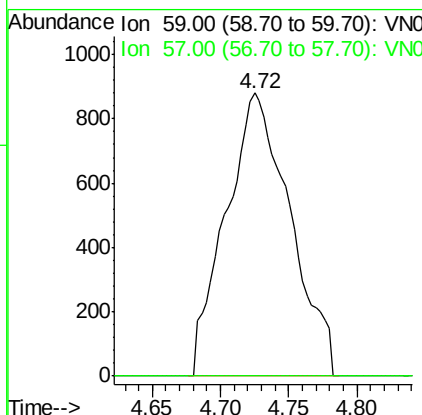
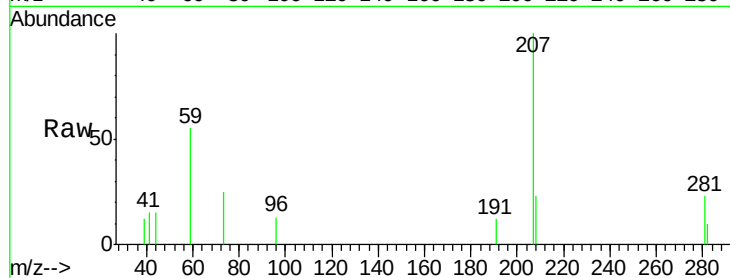


#11

Tert butyl alcohol
 Concen: 6.13 ug/l
 RT: 4.72 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN060261.D
 Acq: 27 Feb 2020 10:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

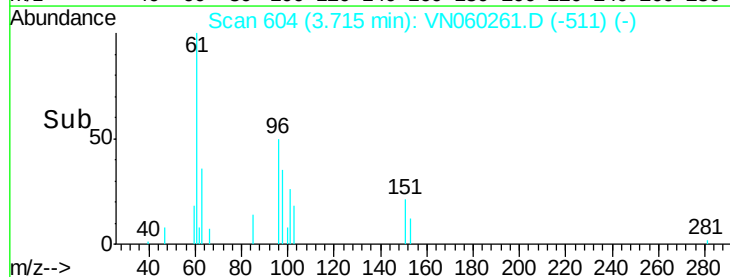
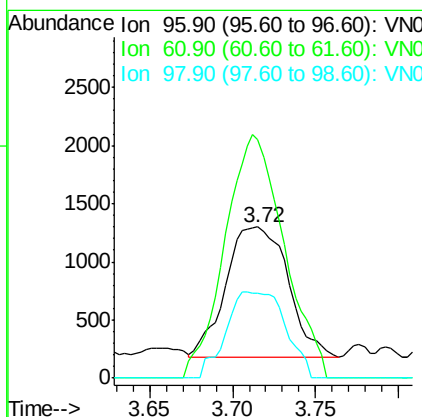
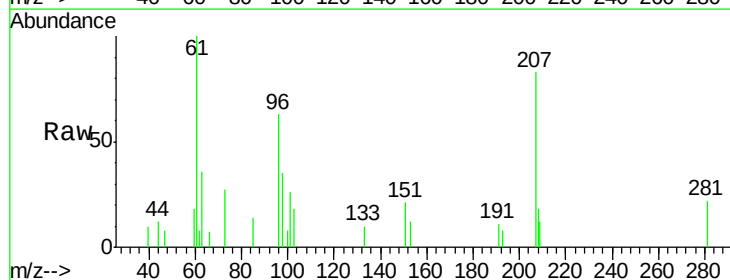
Tgt Ion: 59 Resp: 2883
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

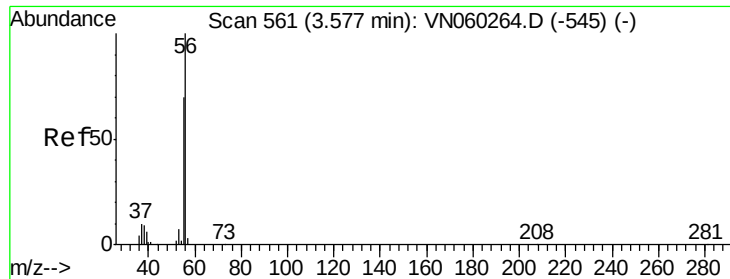


#12

1,1-Dichloroethene
 Concen: 1.19 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN060261.D
 Acq: 27 Feb 2020 10:21

Tgt Ion: 96 Resp: 2912
 Ion Ratio Lower Upper
 96 100
 61 183.0 135.4 203.0
 98 64.9 51.6 77.4





#13

Acrolein

Concen: 4.82 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampleId :

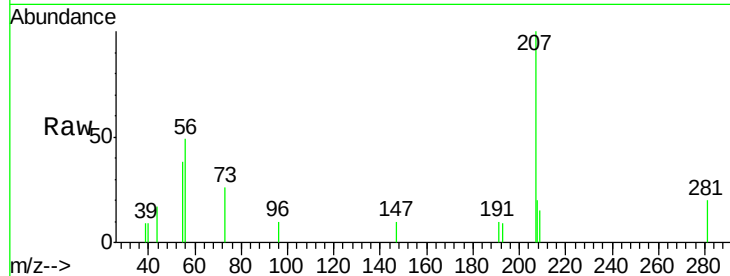
VSTDIC001

Tgt Ion: 56 Resp: 2248

Ion Ratio Lower Upper

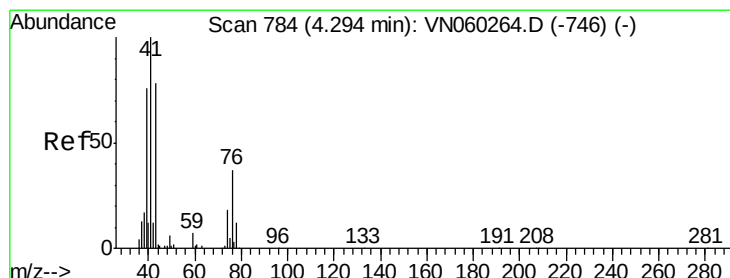
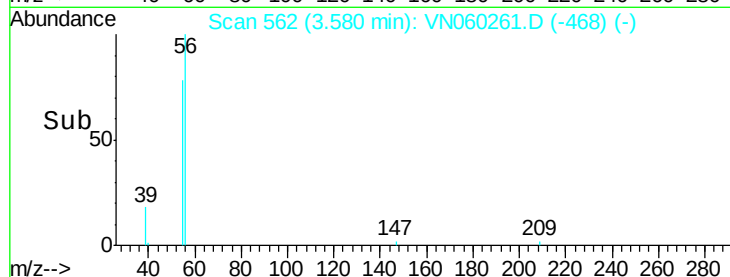
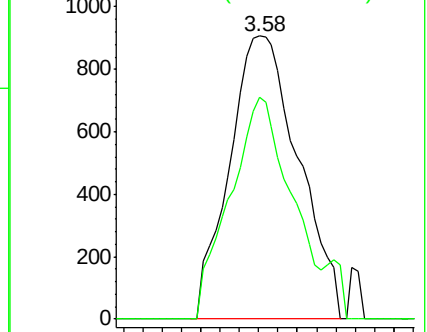
56 100

55 69.8 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN060261.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN060261.D (-545) (-)



#14

Allyl chloride

Concen: 1.59 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

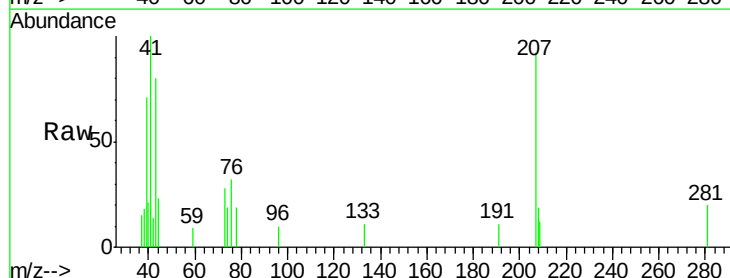
Tgt Ion: 41 Resp: 6002

Ion Ratio Lower Upper

41 100

39 31.2 55.4 83.2#

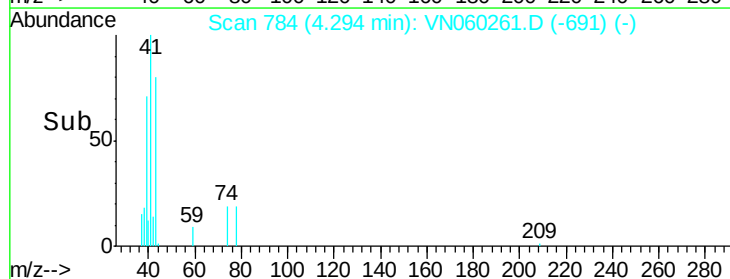
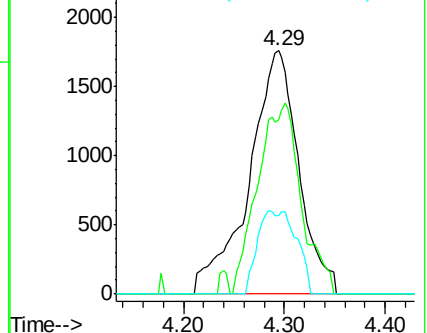
76 12.7 27.0 40.6#

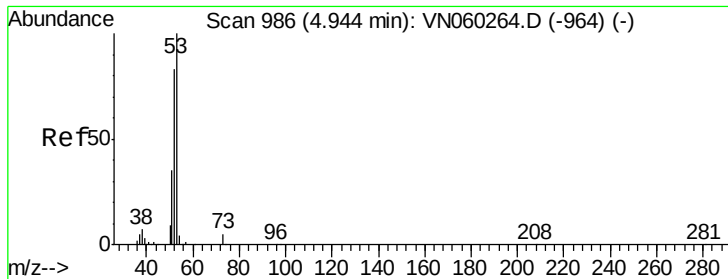


Abundance Ion 41.00 (40.70 to 41.70): VN060261.D (-691) (-)

Ion 39.00 (38.70 to 39.70): VN060261.D (-691) (-)

Ion 75.90 (75.60 to 76.60): VN060261.D (-691) (-)





#15

Acrylonitrile

Concen: 5.98 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.01 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

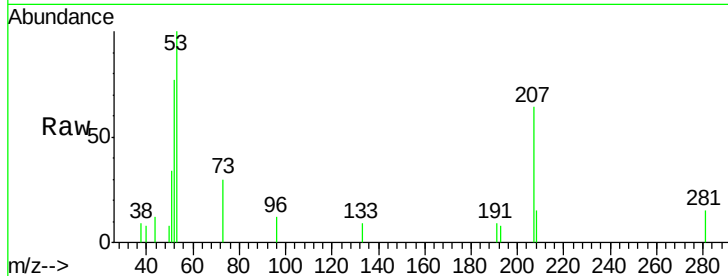
Tgt Ion: 53 Resp: 6961

Ion Ratio Lower Upper

53 100

52 83.3 66.8 100.2

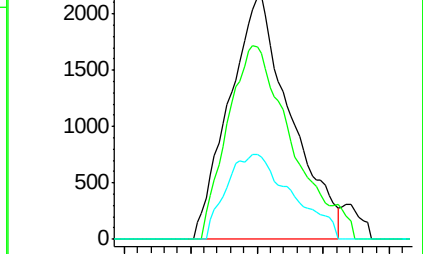
51 37.0 29.0 43.6



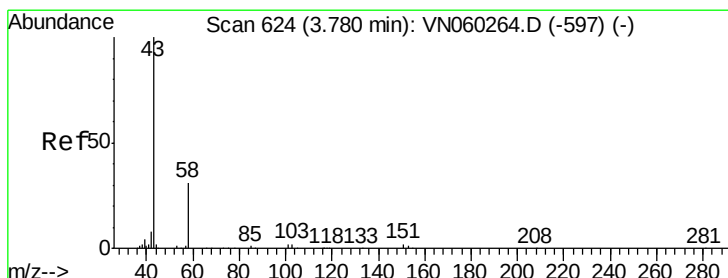
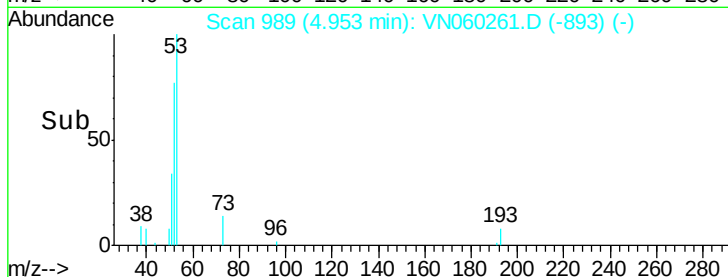
Abundance Ion 53.00 (52.70 to 53.70): VN060261.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN060261.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN060261.D (-964) (-)



Time-->



#16

Acetone

Concen: 4.41 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060261.D

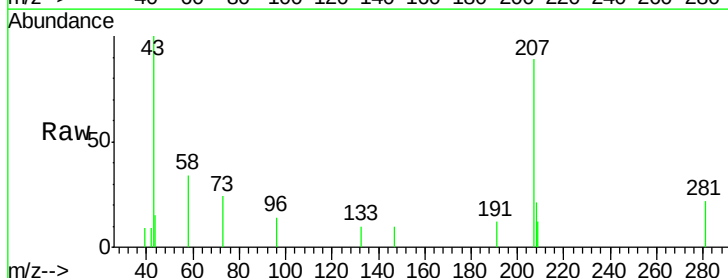
Acq: 27 Feb 2020 10:21

Tgt Ion: 43 Resp: 5714

Ion Ratio Lower Upper

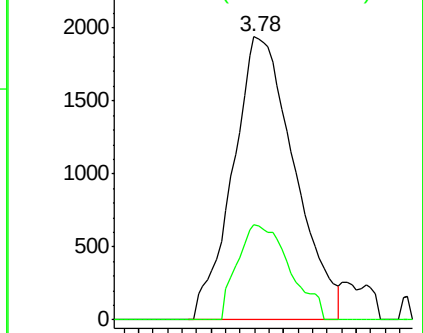
43 100

58 33.6 24.6 36.8

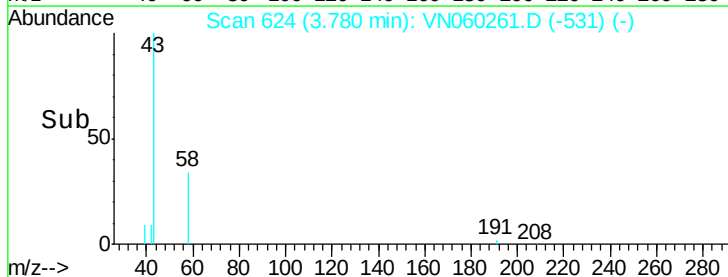


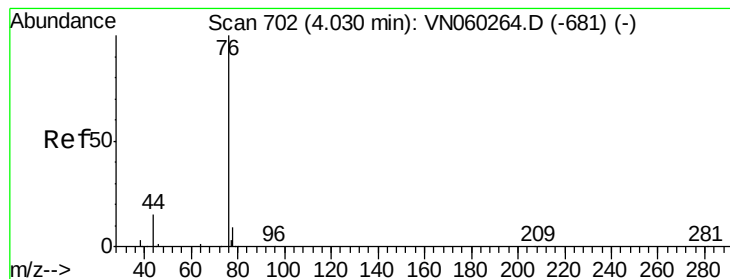
Abundance Ion 43.00 (42.70 to 43.70): VN060261.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN060261.D (-597) (-)



Time-->





#17

Carbon Disulfide

Concen: 1.45 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampleId :

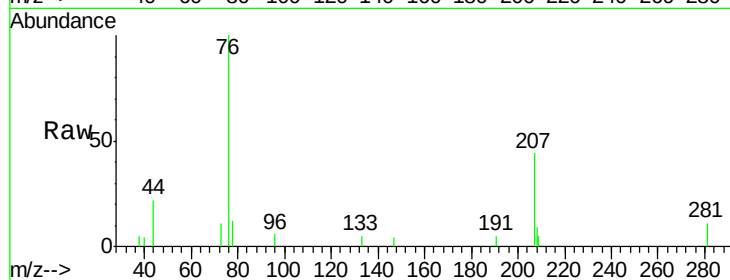
VSTDIC001

Tgt Ion: 76 Resp: 10493

Ion Ratio Lower Upper

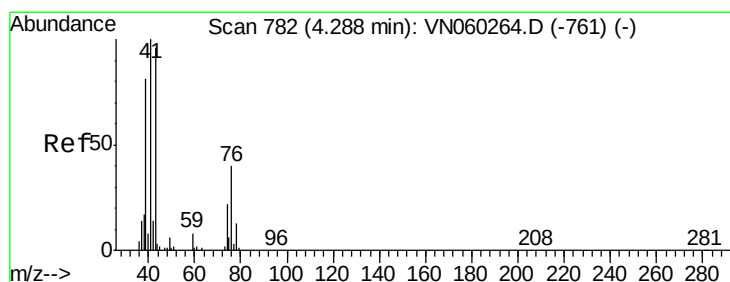
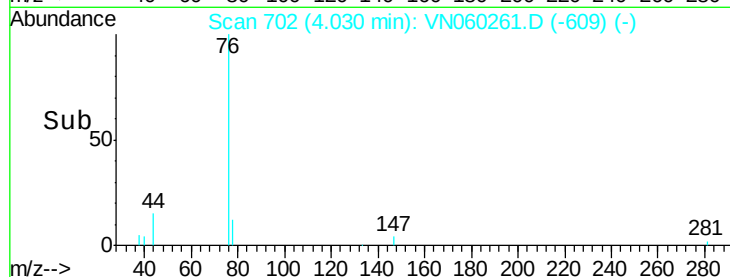
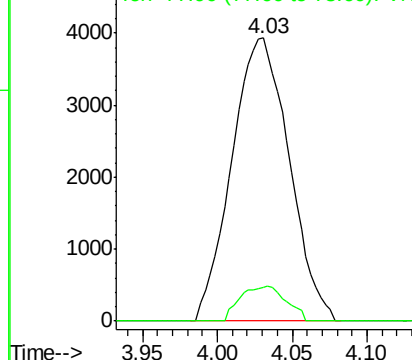
76 100

78 12.1 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 1.68 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.00 min

Lab File: VN060261.D

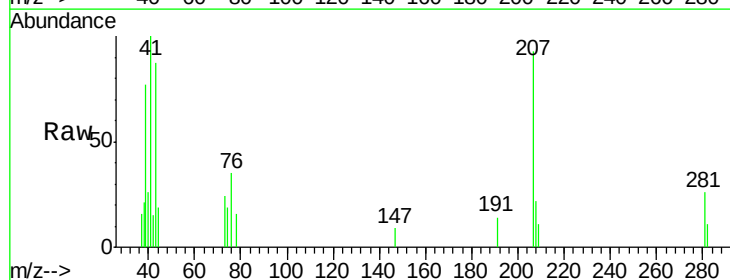
Acq: 27 Feb 2020 10:21

Tgt Ion: 43 Resp: 4493

Ion Ratio Lower Upper

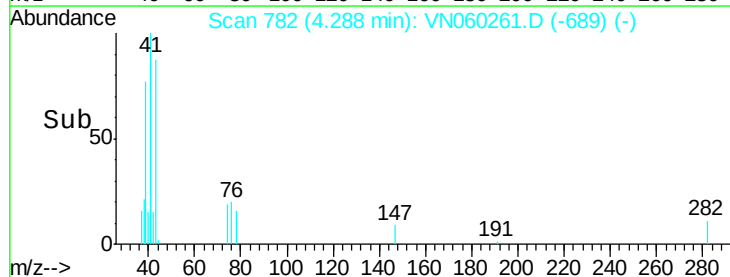
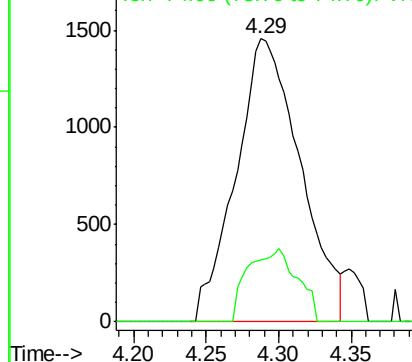
43 100

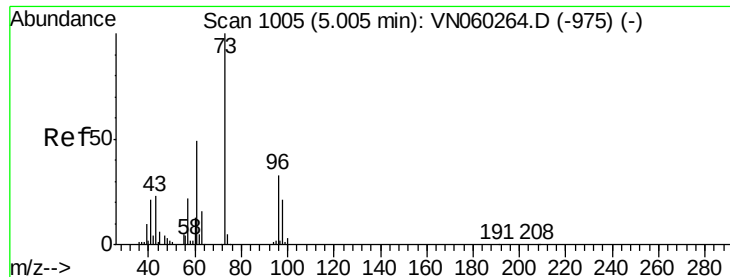
74 19.6 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

Methyl tert-butyl Ether

Concen: 1.17 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampleId :

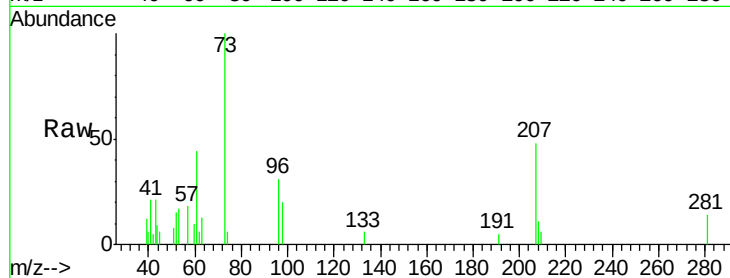
VSTDIC001

Tgt Ion: 73 Resp: 9658

Ion Ratio Lower Upper

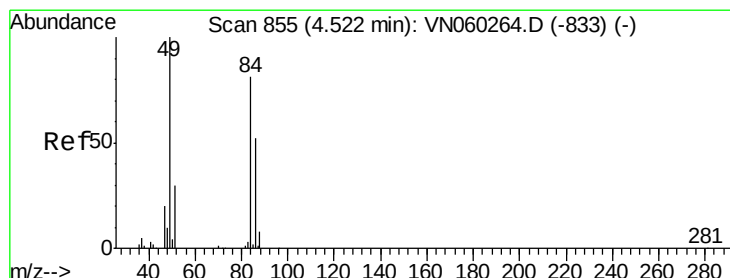
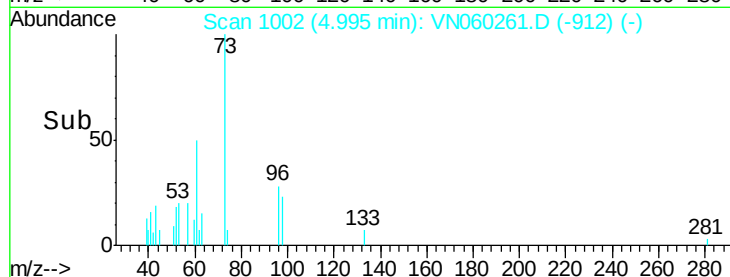
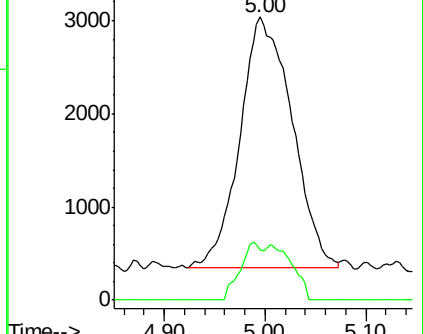
73 100

57 20.1 17.3 25.9



Abundance Ion 73.00 (72.70 to 73.70): VN060261.D (-975) (-)

Ion 57.00 (56.70 to 57.70): VN060261.D (-975) (-)



#20

Methylene Chloride

Concen: 1.19 ug/l

RT: 4.52 min Scan# 854

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Tgt Ion: 84 Resp: 3270

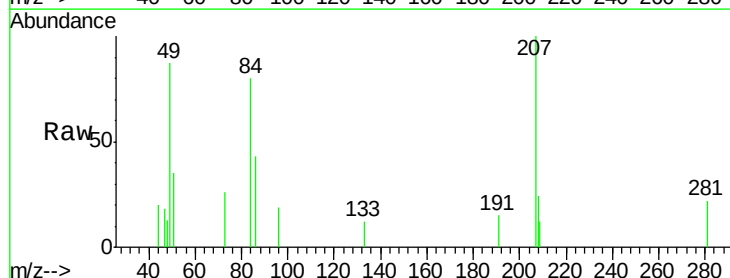
Ion Ratio Lower Upper

84 100

49 109.2 99.3 148.9

51 43.7 30.1 45.1

86 54.2 51.1 76.7

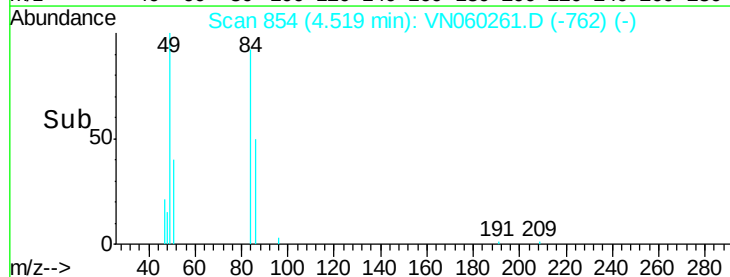
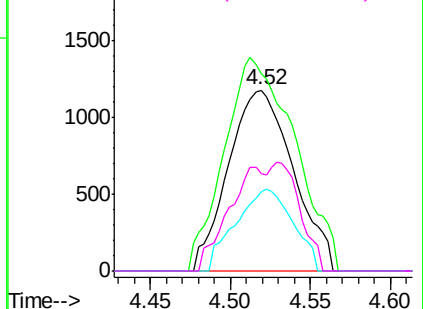


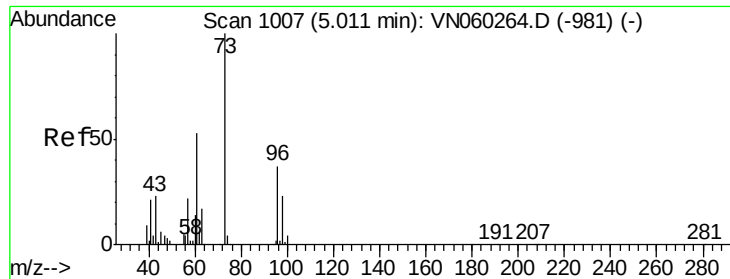
Abundance Ion 83.90 (83.60 to 84.60): VN060261.D (-762) (-)

Ion 48.90 (48.60 to 49.60): VN060261.D (-762) (-)

Ion 50.90 (50.60 to 51.60): VN060261.D (-762) (-)

Ion 85.90 (85.60 to 86.60): VN060261.D (-762) (-)





#21

trans-1,2-Dichloroethene

Concen: 1.39 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

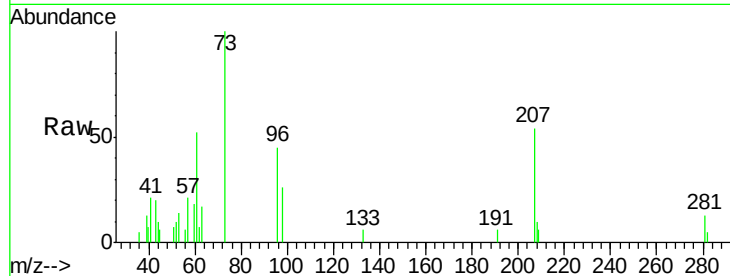
Tgt Ion: 96 Resp: 3677

Ion Ratio Lower Upper

96 100

61 132.5 113.8 170.8

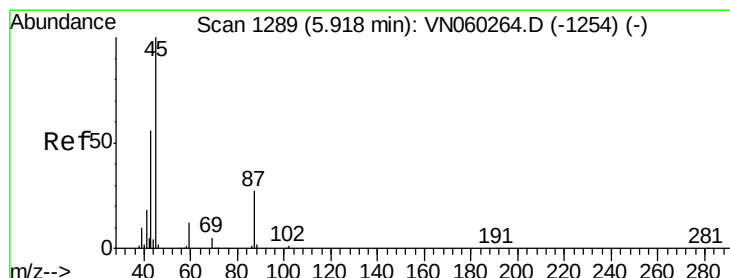
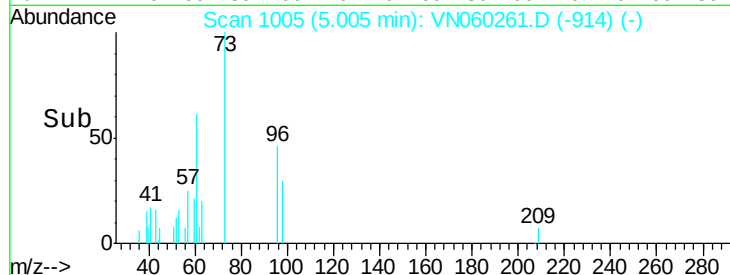
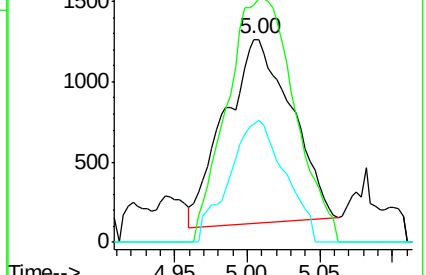
98 65.8 48.8 73.2



Abundance Ion 95.90 (95.60 to 96.60): VN060261.D (-914) (-)

Ion 60.90 (60.60 to 61.60): VN060261.D (-914) (-)

Ion 97.90 (97.60 to 98.60): VN060261.D (-914) (-)



#22

Diisopropyl ether

Concen: 1.27 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Tgt Ion: 45 Resp: 10215

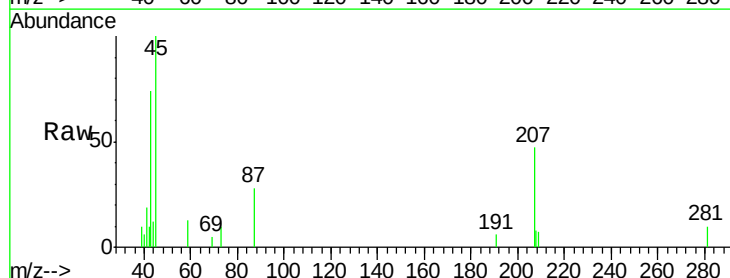
Ion Ratio Lower Upper

45 100

43 65.7 48.6 72.8

87 28.0 22.2 33.2

59 13.4 9.5 14.3

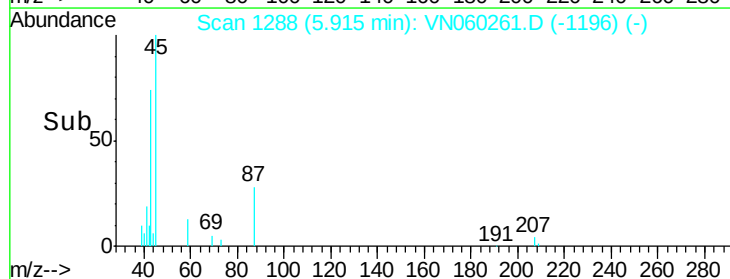
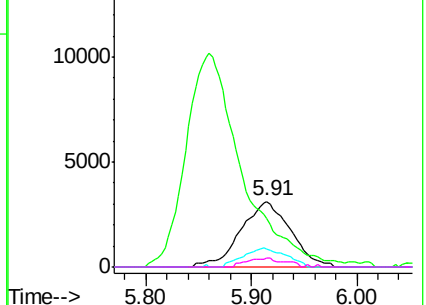


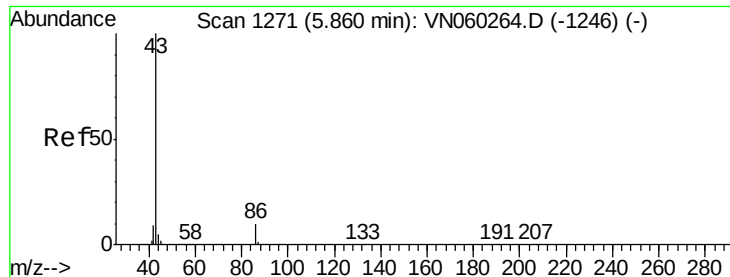
Abundance Ion 45.00 (44.70 to 45.70): VN060261.D (-1196) (-)

Ion 43.00 (42.70 to 43.70): VN060261.D (-1196) (-)

Ion 87.00 (86.70 to 87.70): VN060261.D (-1196) (-)

Ion 59.00 (58.70 to 59.70): VN060261.D (-1196) (-)





#23

Vinyl Acetate

Concen: 5.58 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampleId :

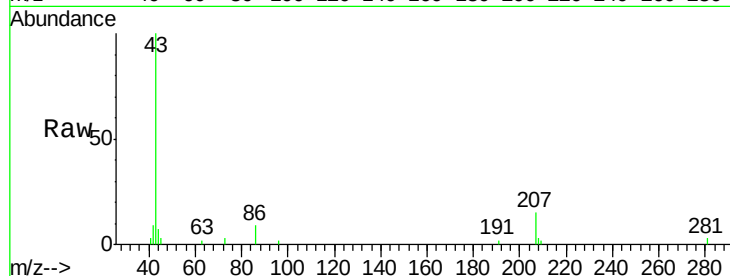
VSTDIC001

Tgt Ion: 43 Resp: 37383

Ion Ratio Lower Upper

43 100

86 9.2 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN060261.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060261.D (-1178) (-)

5.86

12000

10000

8000

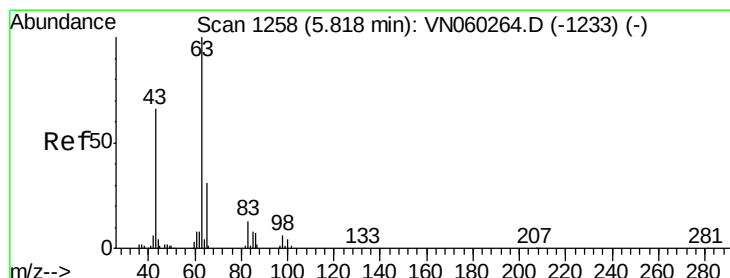
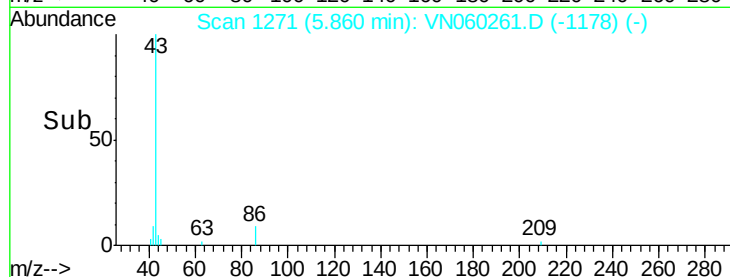
6000

4000

2000

0

Time-->



#24

1,1-Dichloroethane

Concen: 1.15 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

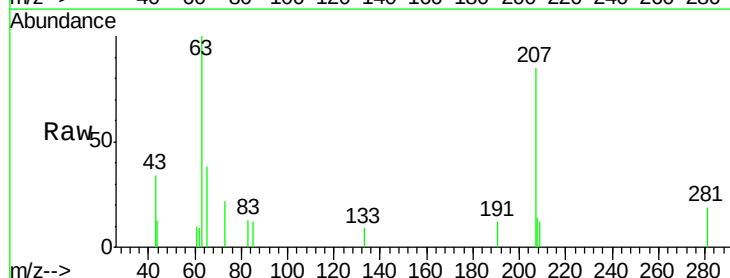
Tgt Ion: 63 Resp: 5535

Ion Ratio Lower Upper

63 100

98 0.0 3.0 9.0#

100 0.0 2.0 6.0#



Abundance Ion 62.90 (62.60 to 63.60): VN060261.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060261.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060261.D (-1165) (-)

5.81

2500

2000

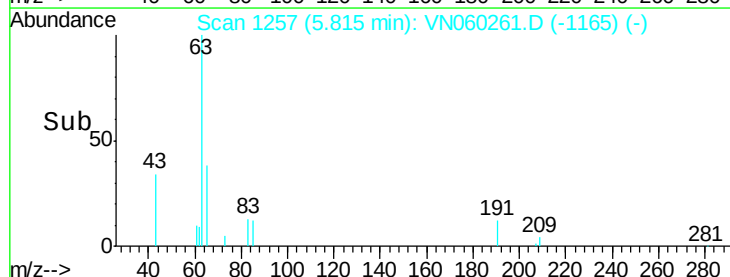
1500

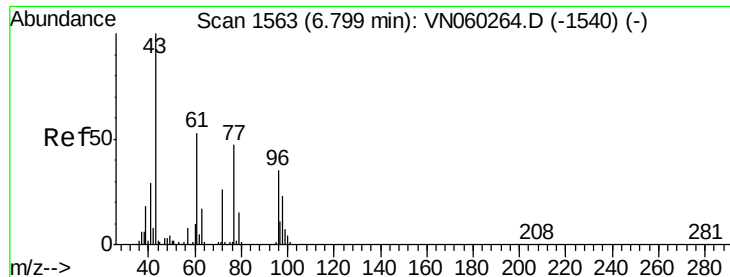
1000

500

0

Time-->





#25

2-Butanone

Concen: 4.95 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampleId :

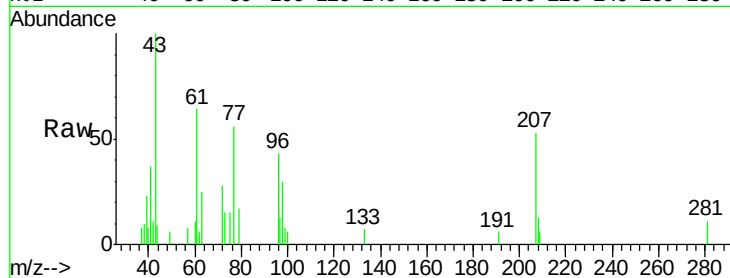
VSTDIC001

Tgt Ion: 43 Resp: 8396

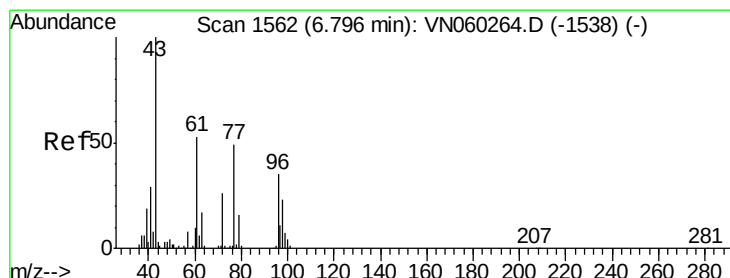
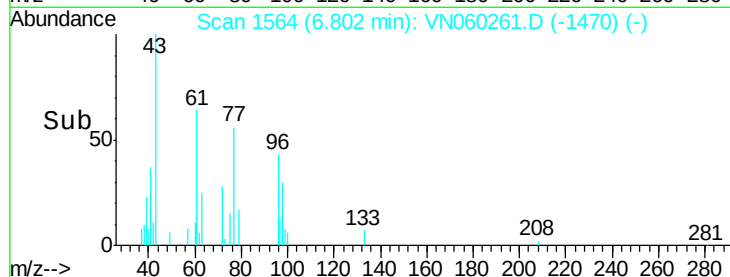
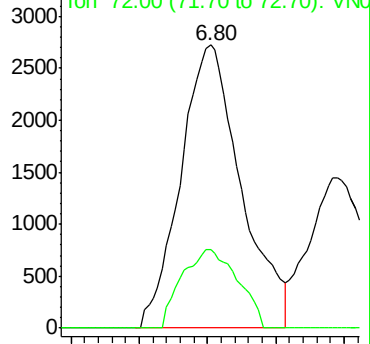
Ion Ratio Lower Upper

43 100

72 27.8 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN060261.D (-1470) (-)



#26

2,2-Dichloropropane

Concen: 1.17 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060261.D

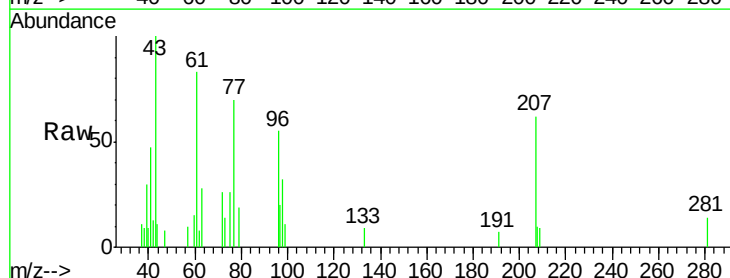
Acq: 27 Feb 2020 10:21

Tgt Ion: 77 Resp: 5312

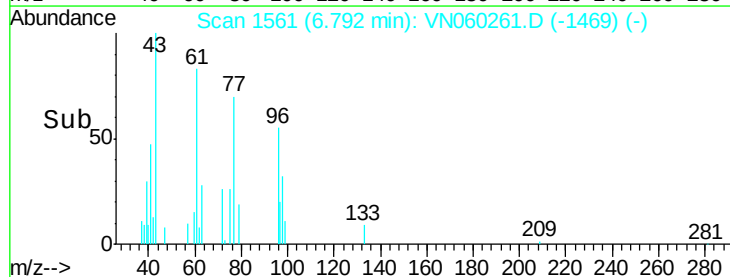
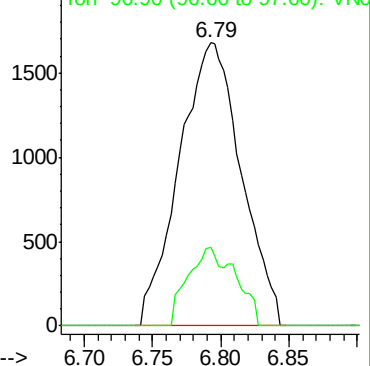
Ion Ratio Lower Upper

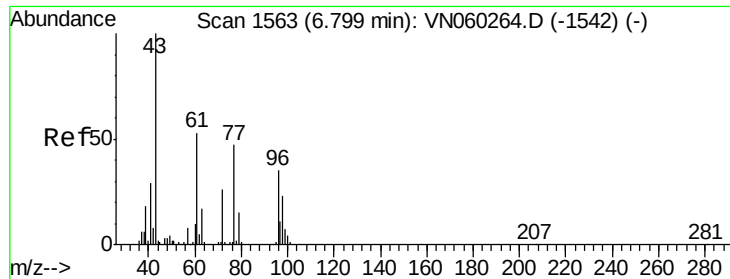
77 100

97 14.8 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VN060261.D (-1469) (-)





#27

cis-1,2-Dichloroethene

Concen: 1.55 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

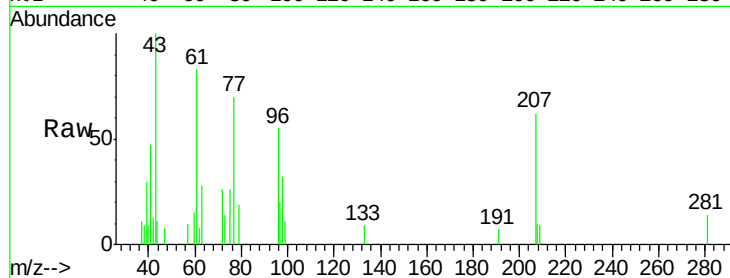
Tgt Ion: 96 Resp: 4806

Ion Ratio Lower Upper

96 100

61 124.8 0.0 300.8

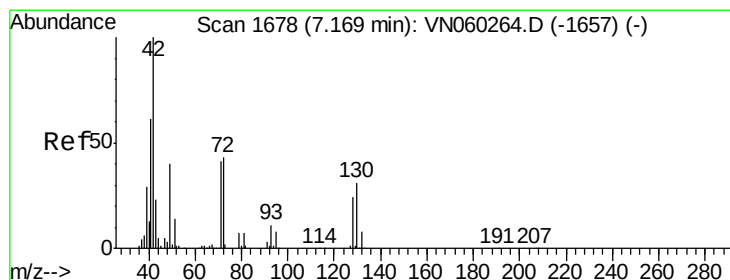
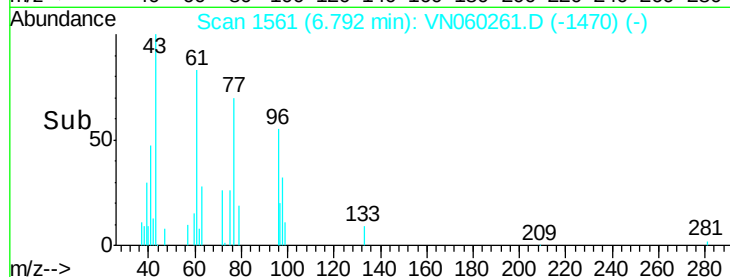
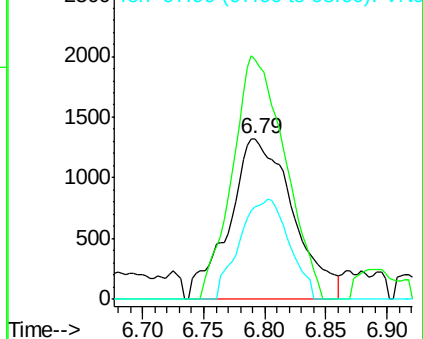
98 48.3 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN060261.D (-1470) (-)

Ion 60.90 (60.60 to 61.60): VN060261.D (-1470) (-)

Ion 97.90 (97.60 to 98.60): VN060261.D (-1470) (-)



#28

Bromochloromethane

Concen: 1.23 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

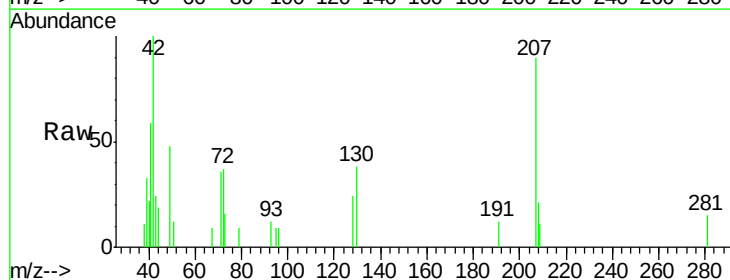
Tgt Ion: 49 Resp: 2316

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

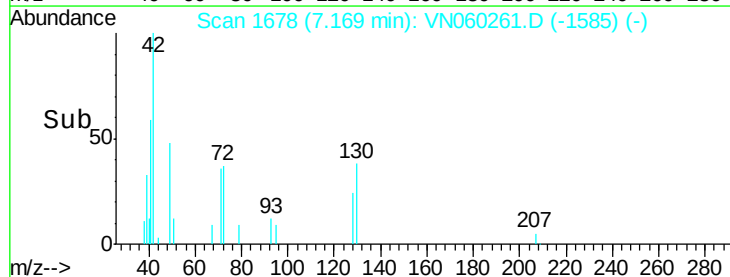
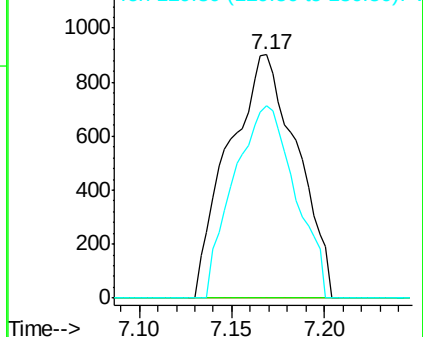
130 70.5 59.8 89.8

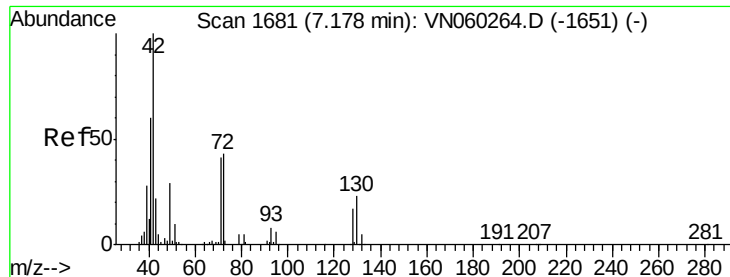


Abundance Ion 48.90 (48.60 to 49.60): VN060261.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN060261.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN060261.D (-1585) (-)





#29

Tetrahydrofuran

Concen: 6.58 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

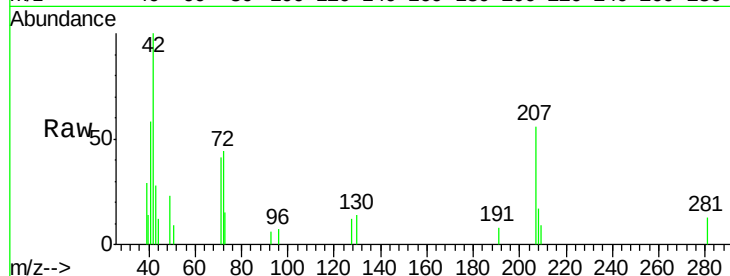
Tgt Ion: 42 Resp: 7041

Ion Ratio Lower Upper

42 100

72 42.2 34.6 52.0

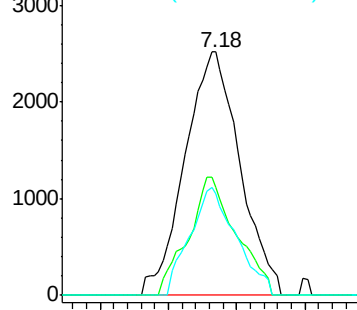
71 37.3 32.9 49.3



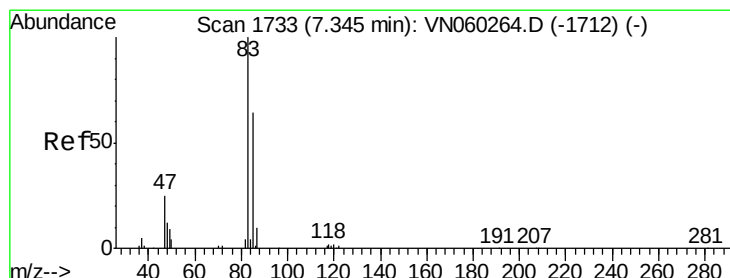
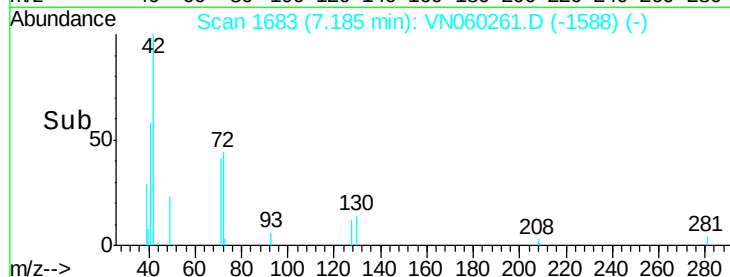
Abundance Ion 42.00 (41.70 to 42.70): VN060264.D (-1651) (-)

Ion 72.00 (71.70 to 72.70): VN060264.D (-1651) (-)

Ion 71.00 (70.70 to 71.70): VN060264.D (-1651) (-)



Time-->



#30

Chloroform

Concen: 1.15 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VN060261.D

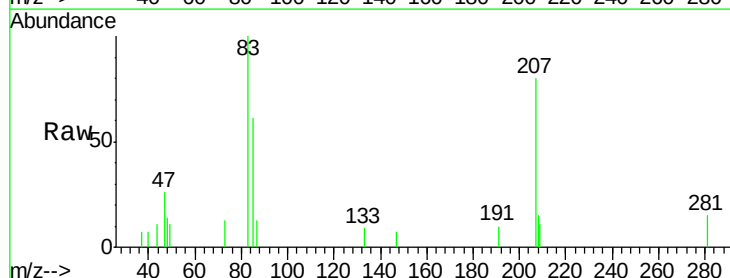
Acq: 27 Feb 2020 10:21

Tgt Ion: 83 Resp: 5755

Ion Ratio Lower Upper

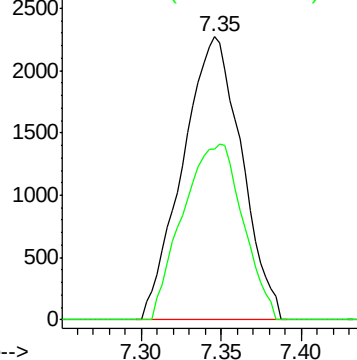
83 100

85 60.5 51.4 77.2

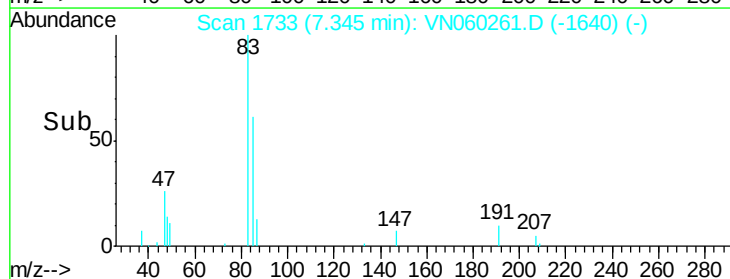


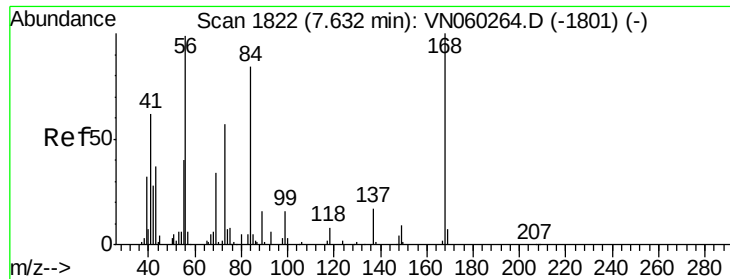
Abundance Ion 82.90 (82.60 to 83.60): VN060264.D (-1712) (-)

Ion 84.90 (84.60 to 85.60): VN060264.D (-1712) (-)



Time-->





#31

Cyclohexane

Concen: 2.47 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

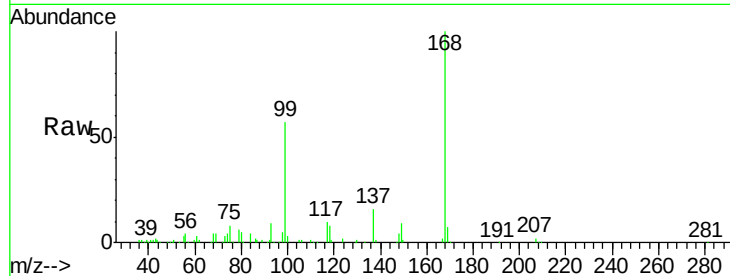
Tgt Ion: 56 Resp: 11029

Ion Ratio Lower Upper

56 100

69 94.9 27.2 40.8#

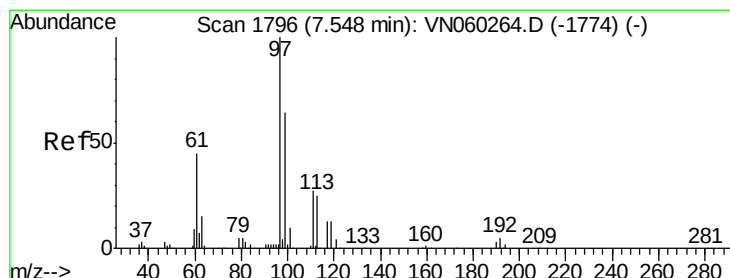
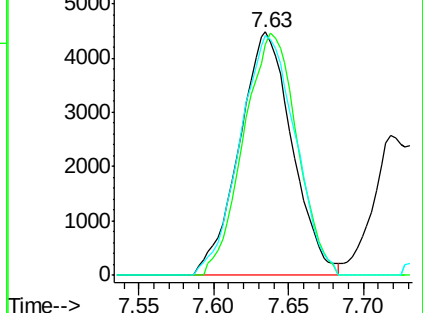
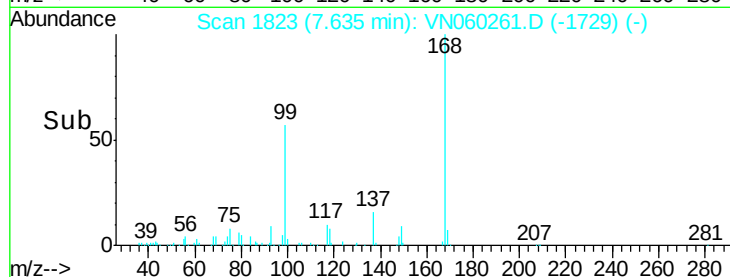
84 98.5 66.7 100.1



Abundance Ion 56.00 (55.70 to 56.70): VN060261.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060261.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060261.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 1.12 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

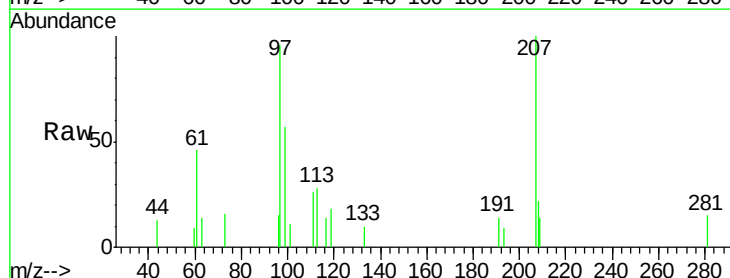
Tgt Ion: 97 Resp: 5096

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

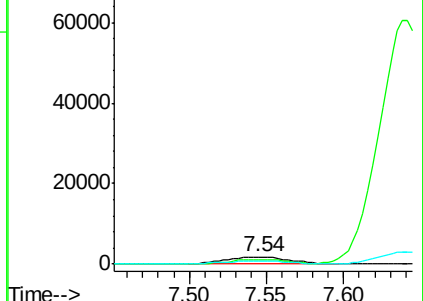
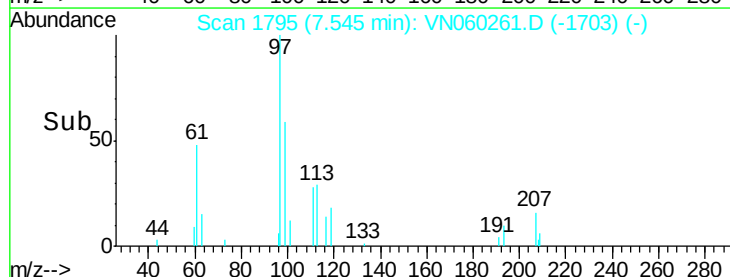
61 43.2 36.6 55.0

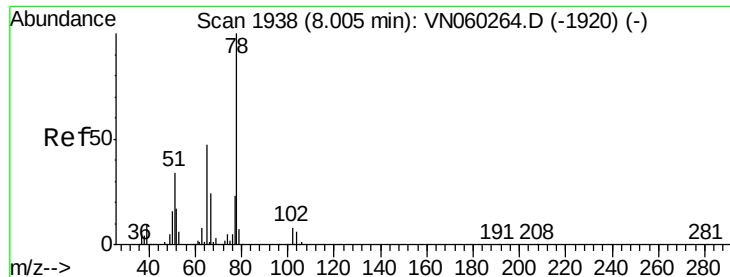


Abundance Ion 96.90 (96.60 to 97.60): VN060261.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060261.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060261.D (-1703) (-)

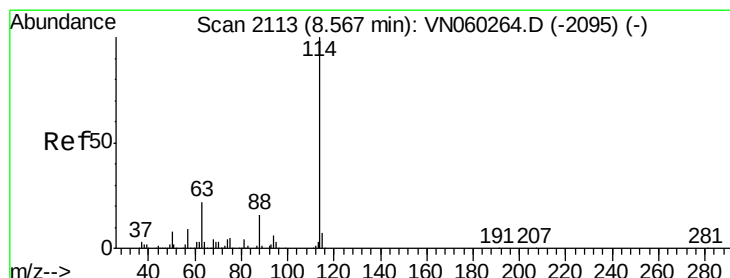
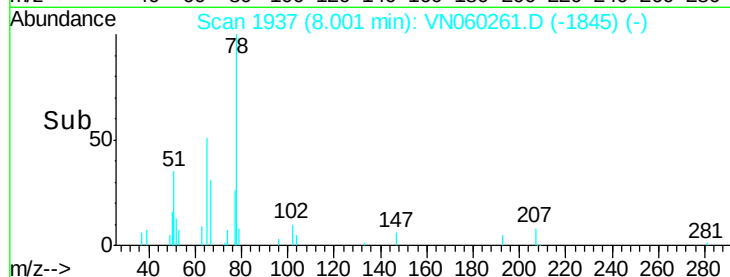
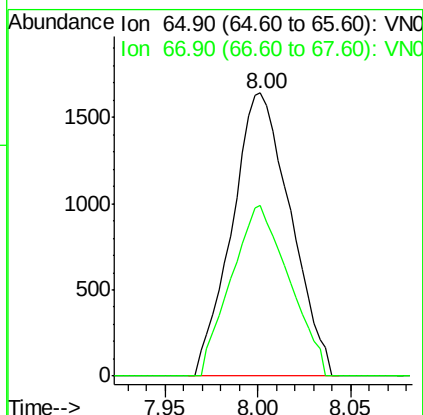
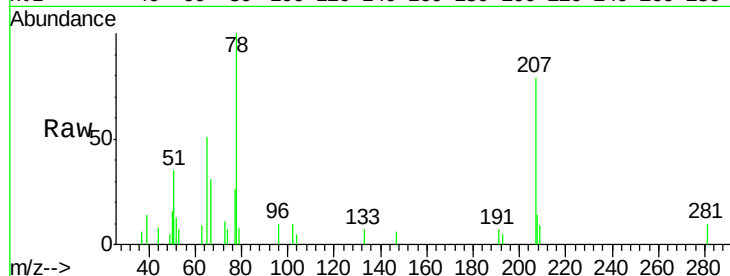




#33
 1,2-Dichloroethane-d4
 Concen: 1.15 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060261.D
 Acq: 27 Feb 2020 10:21

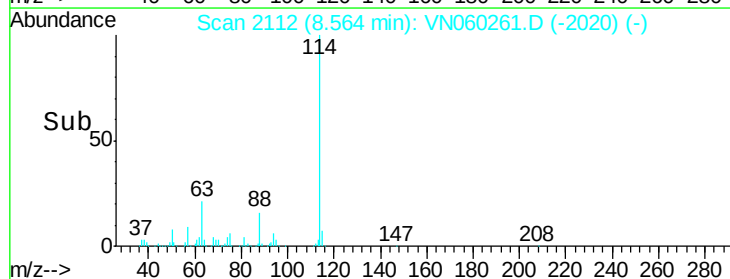
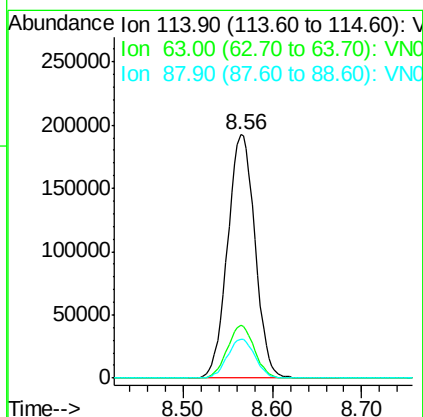
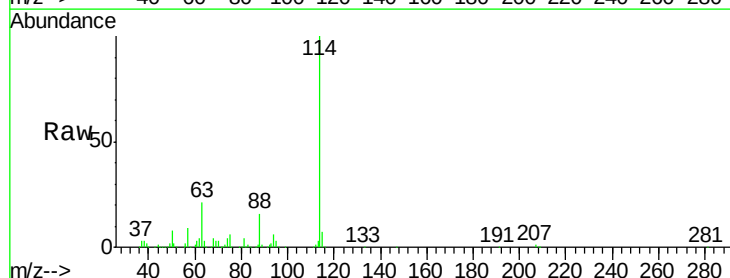
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

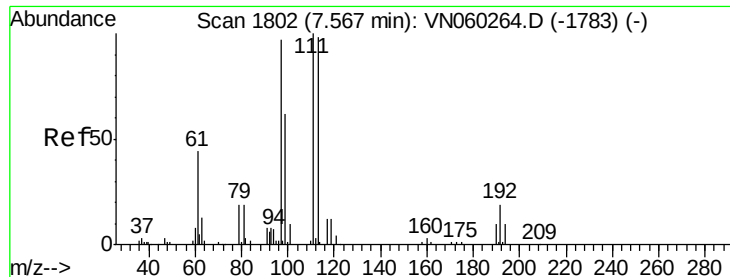
Tgt Ion: 65 Resp: 3601
 Ion Ratio Lower Upper
 65 100
 67 59.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060261.D
 Acq: 27 Feb 2020 10:21

Tgt Ion: 114 Resp: 409139
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.2
 88 16.1 0.0 31.6





#35

Dibromofluoromethane

Concen: 1.03 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.01 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

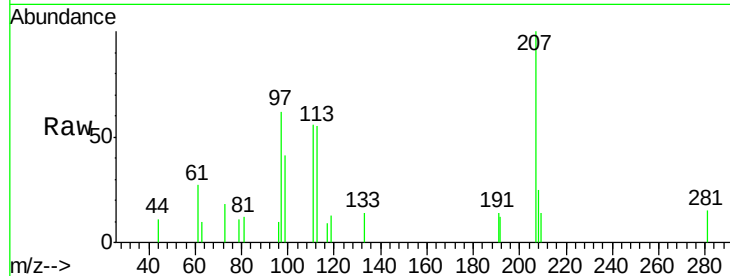
Tgt Ion:113 Resp: 2448

Ion Ratio Lower Upper

113 100

111 105.8 82.4 123.6

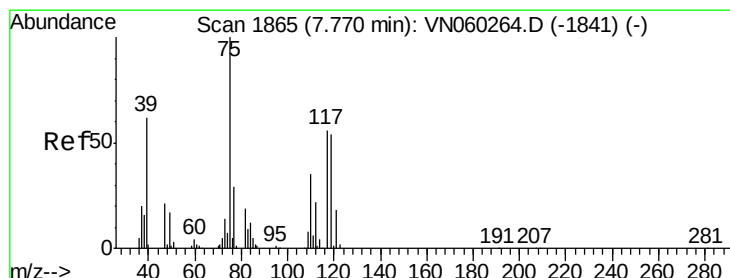
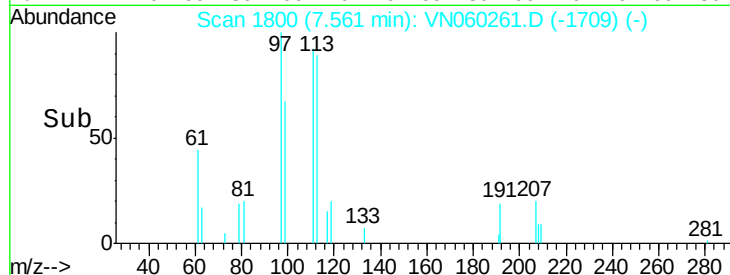
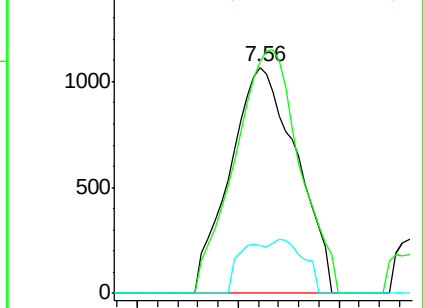
192 10.0 16.2 24.2#



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 1.21 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

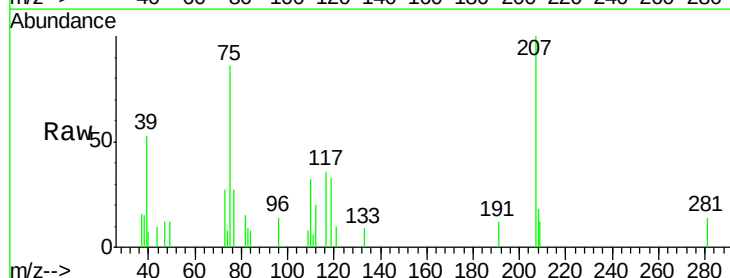
Tgt Ion: 75 Resp: 4583

Ion Ratio Lower Upper

75 100

110 33.8 17.3 52.0

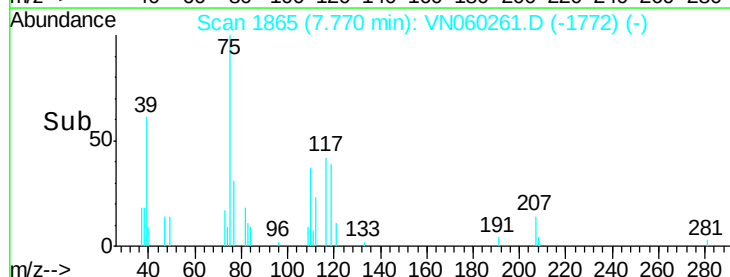
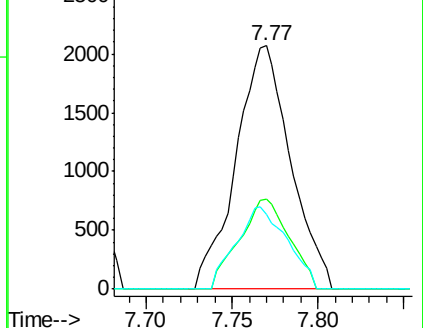
77 31.6 24.2 36.2

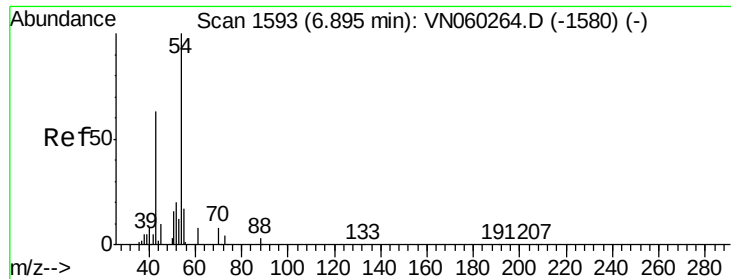


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

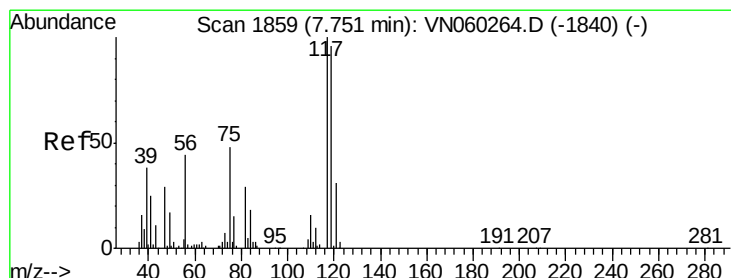
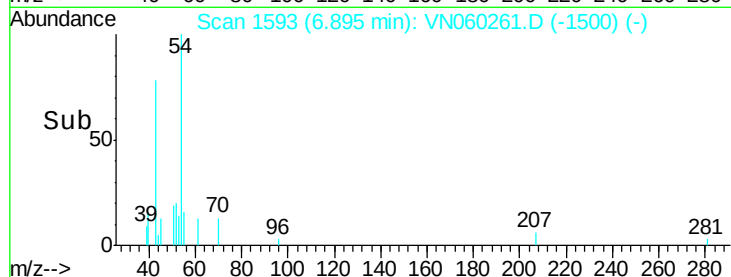
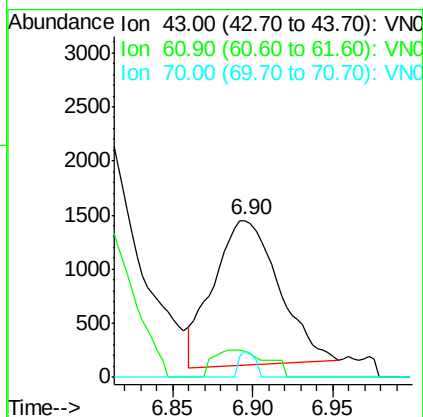
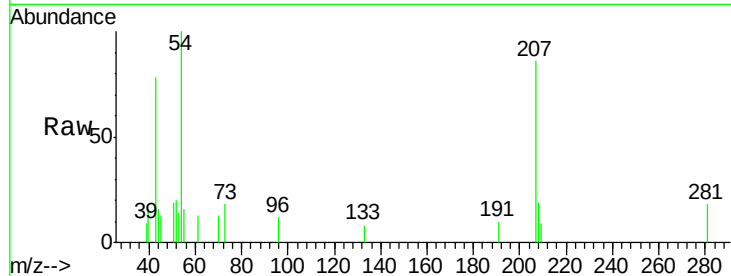




#37
Ethyl Acetate
Concen: 1.08 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060261.D
Acq: 27 Feb 2020 10:21

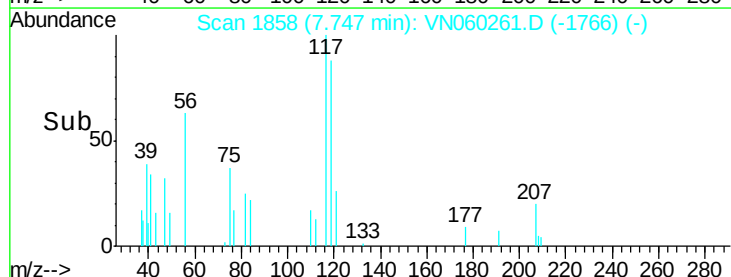
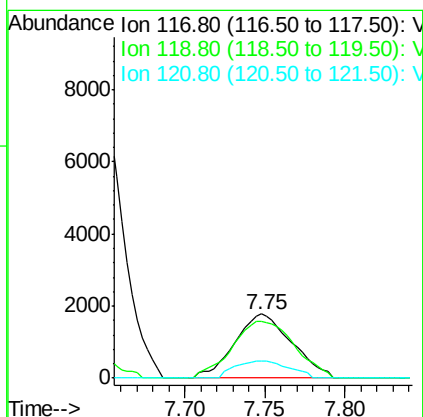
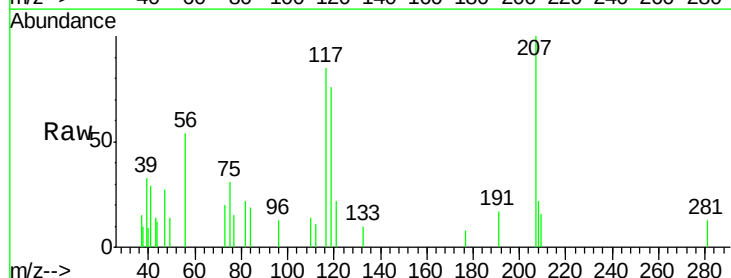
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

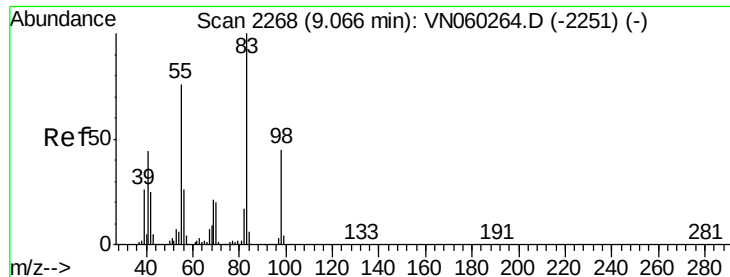
Tgt Ion: 43 Resp: 3740
Ion Ratio Lower Upper
43 100
61 13.0 11.1 16.7
70 4.2 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 1.07 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060261.D
Acq: 27 Feb 2020 10:21

Tgt Ion: 117 Resp: 4335
Ion Ratio Lower Upper
117 100
119 88.5 76.7 115.1
121 26.3 24.5 36.7

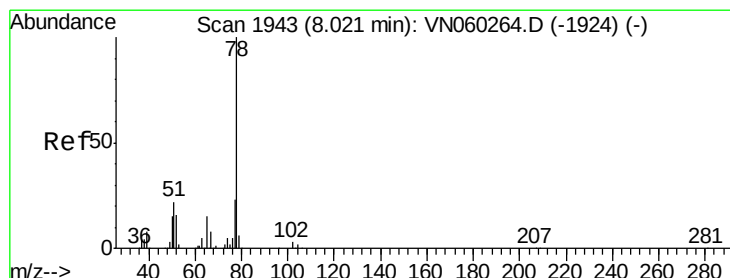
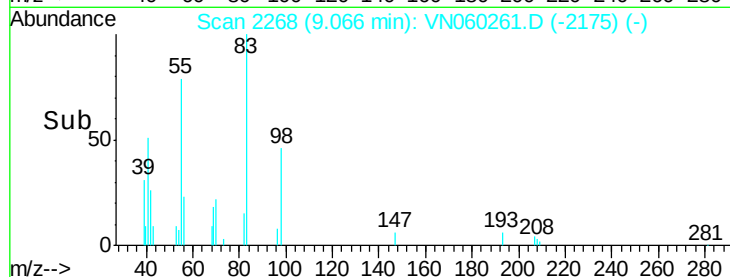
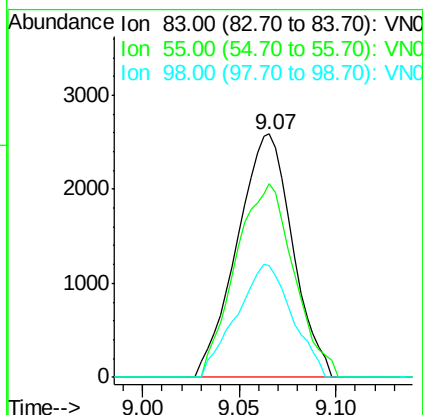
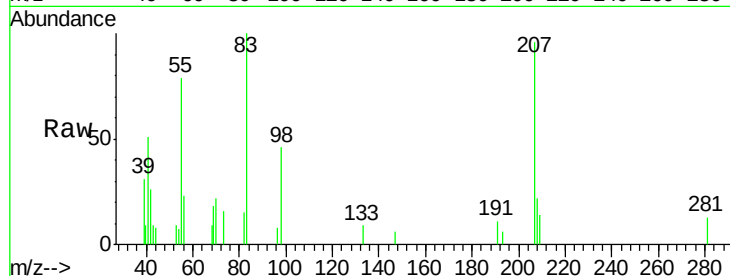




#39
Methylcyclohexane
Concen: 1.11 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN060261.D
Acq: 27 Feb 2020 10:21

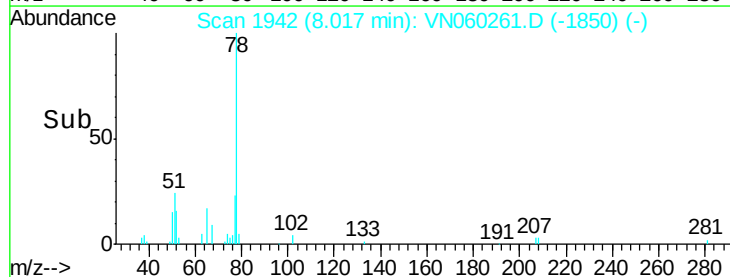
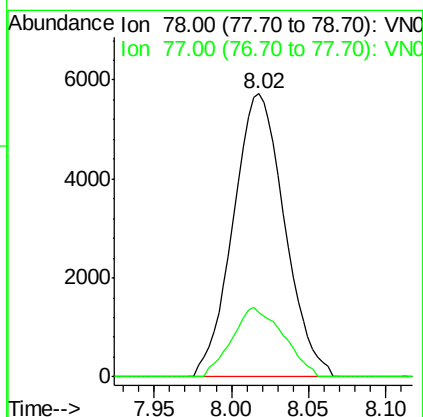
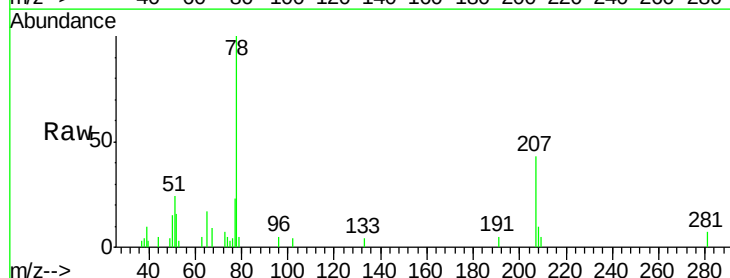
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

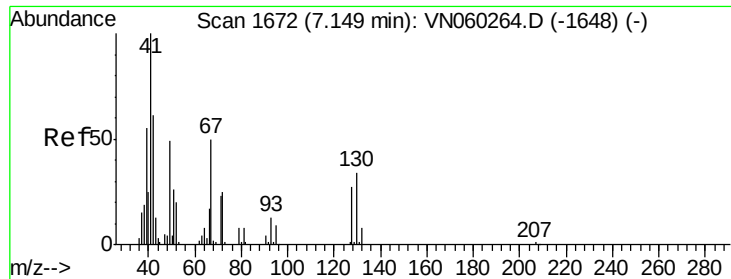
Tgt Ion: 83 Resp: 5155
Ion Ratio Lower Upper
83 100
55 79.3 61.0 91.4
98 46.0 36.1 54.1



#40
Benzene
Concen: 1.18 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060261.D
Acq: 27 Feb 2020 10:21

Tgt Ion: 78 Resp: 13228
Ion Ratio Lower Upper
78 100
77 22.9 18.8 28.2

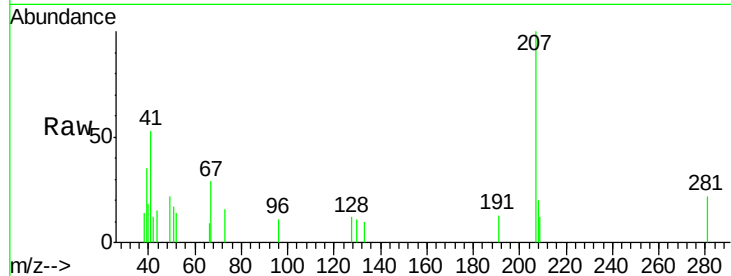




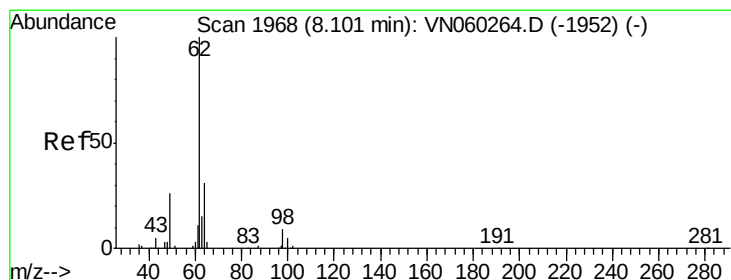
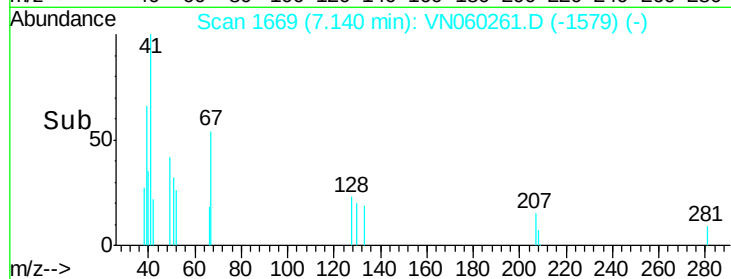
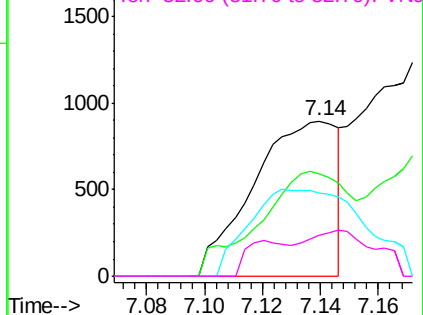
#41
Methacrylonitrile
Concen: 1.23 ug/l
RT: 7.14 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VN060261.D
Acq: 27 Feb 2020 10:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tgt Ion:	41	Resp:	1804
Ion	Ratio	Lower	Upper
41	100		
39	72.3	0.0	0.0#
67	0.0	0.0	0.0
52	22.3	0.0	0.0#

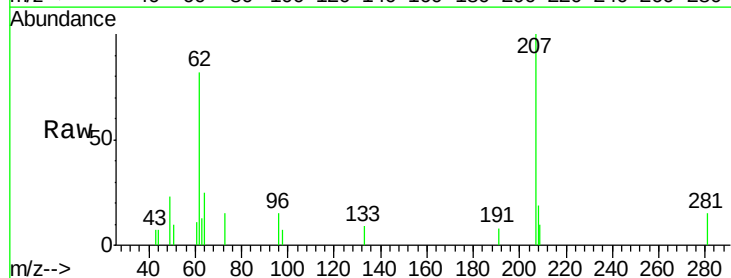


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

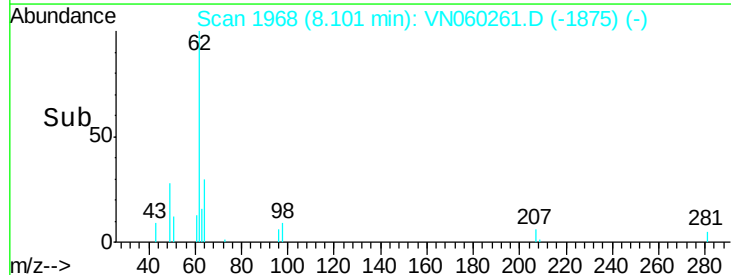
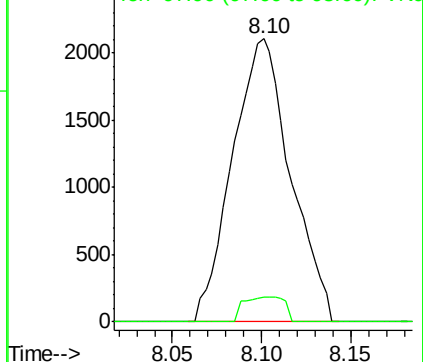


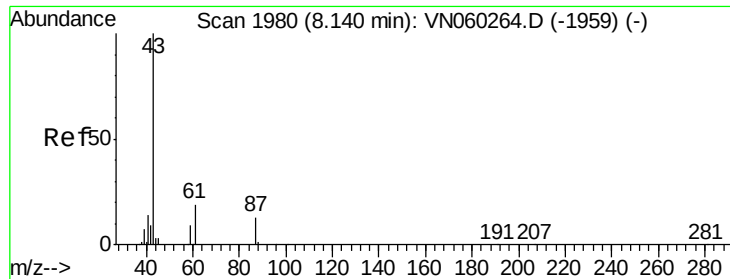
#42
1,2-Dichloroethane
Concen: 1.21 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060261.D
Acq: 27 Feb 2020 10:21

Tgt Ion:	62	Resp:	4777
Ion	Ratio	Lower	Upper
62	100		
98	6.2	0.0	17.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 1.15 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

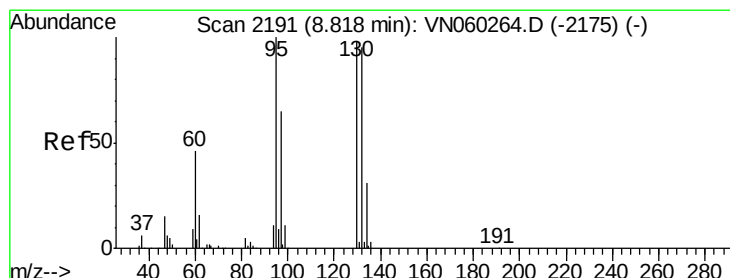
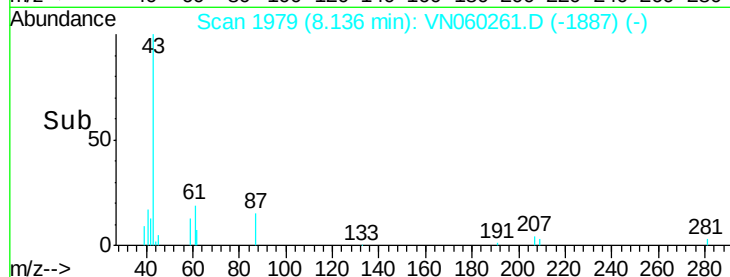
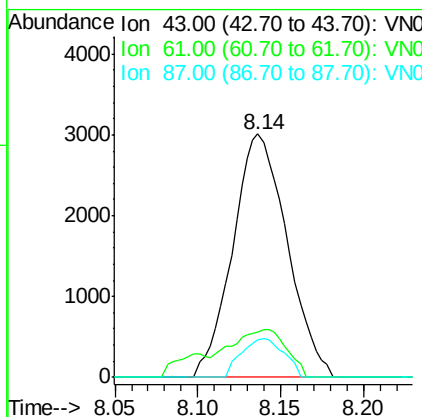
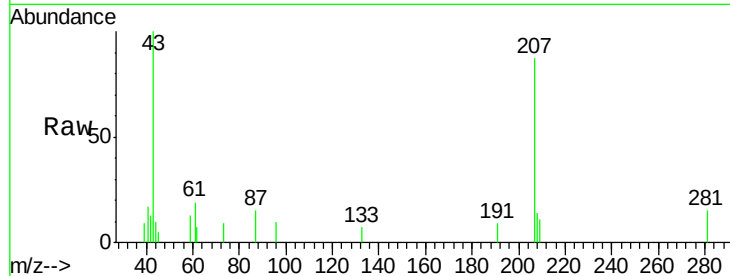
Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:	43	Resp:	6866
Ion	Ratio	Lower	Upper
43	100		
61	20.4	20.9	31.3#
87	12.4	10.6	16.0



#44

Trichloroethene

Concen: 1.23 ug/l

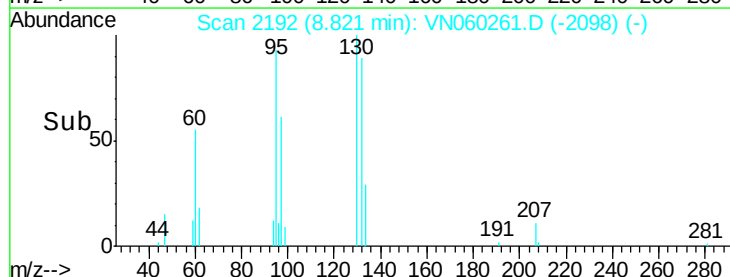
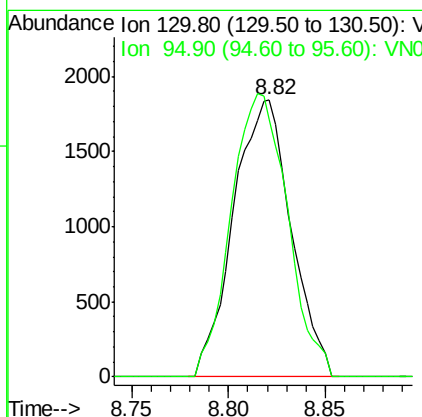
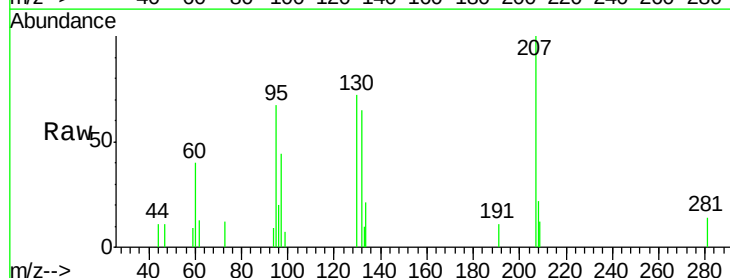
RT: 8.82 min Scan# 2192

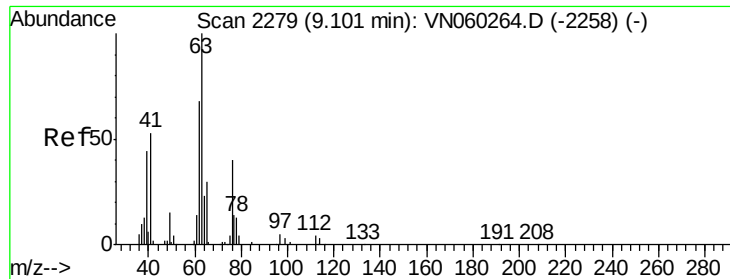
Delta R.T. 0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Tgt Ion:	130	Resp:	3813
Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	203.4

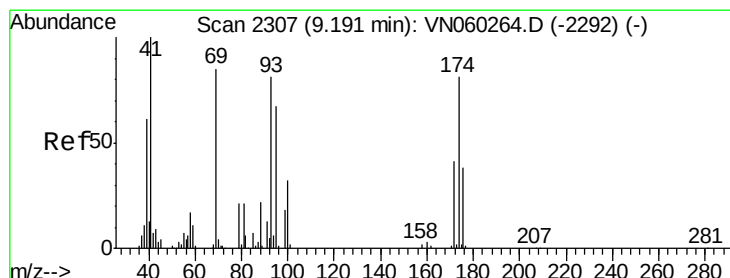
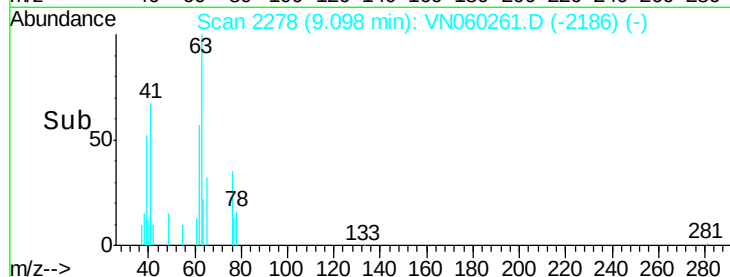
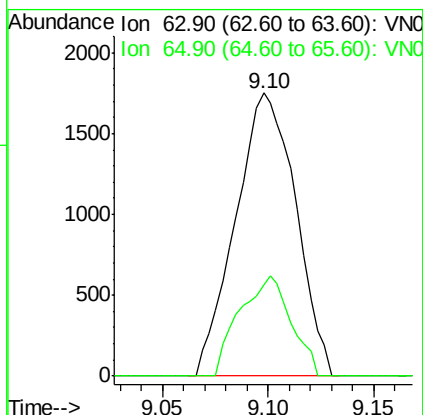
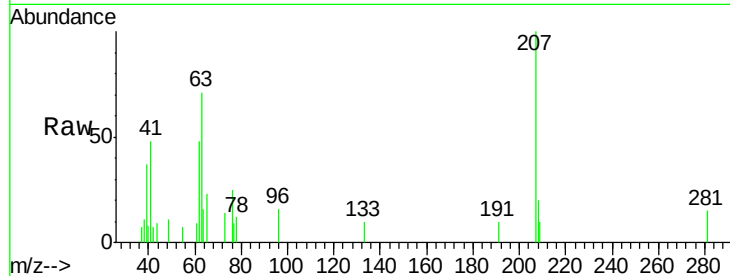




#45
 1,2-Dichloropropane
 Concen: 1.23 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060261.D
 Acq: 27 Feb 2020 10:21

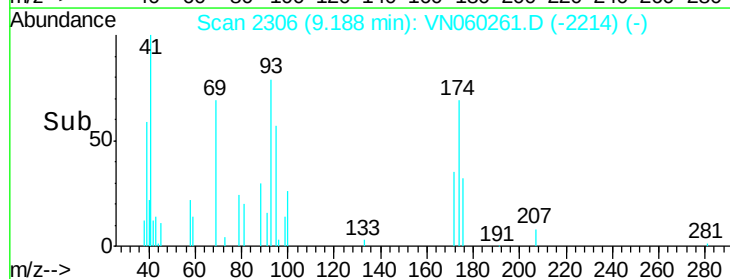
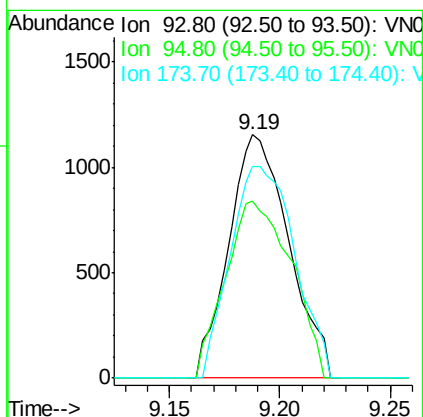
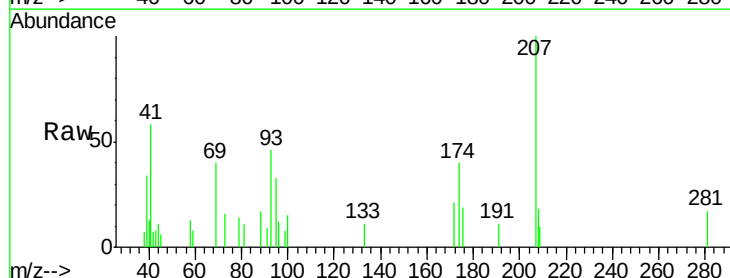
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

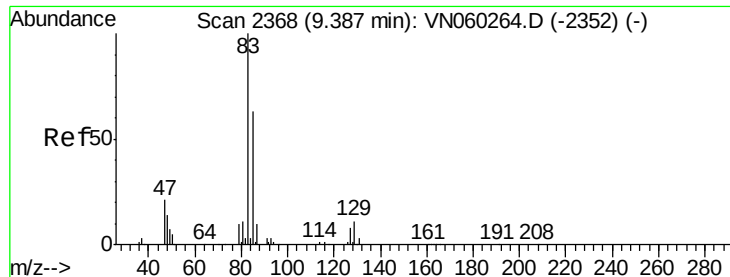
Tgt Ion: 63 Resp: 3463
 Ion Ratio Lower Upper
 63 100
 65 32.4 24.4 36.6



#46
 Dibromomethane
 Concen: 1.12 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060261.D
 Acq: 27 Feb 2020 10:21

Tgt Ion: 93 Resp: 2183
 Ion Ratio Lower Upper
 93 100
 95 79.5 65.9 98.9
 174 93.1 79.6 119.4





#47

Bromodichloromethane

Concen: 1.05 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

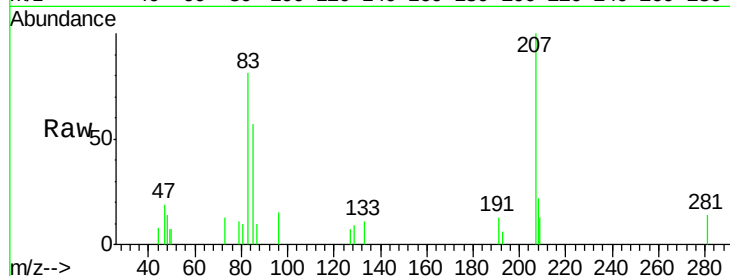
Tgt Ion: 83 Resp: 4173

Ion Ratio Lower Upper

83 100

85 70.7 50.7 76.1

127 8.9 6.8 10.2

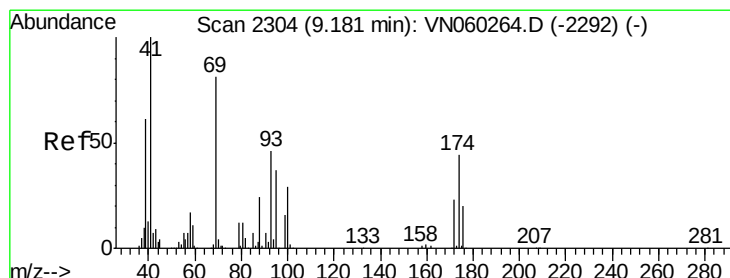
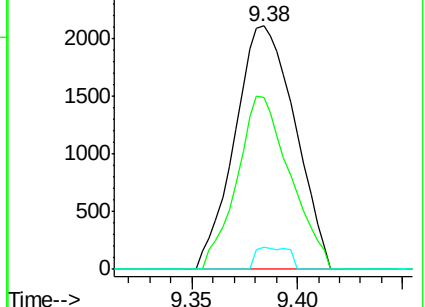
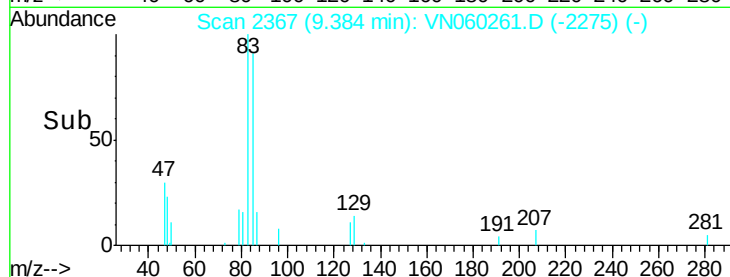


Abundance Ion 82.90 (82.60 to 83.60): VN060261.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060261.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060261.D (-2275) (-)

Time-->



#48

Methyl methacrylate

Concen: 1.24 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

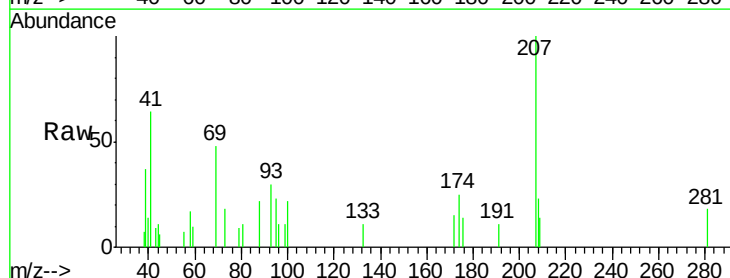
Tgt Ion: 41 Resp: 3315

Ion Ratio Lower Upper

41 100

69 68.1 66.7 100.1

39 62.9 50.1 75.1

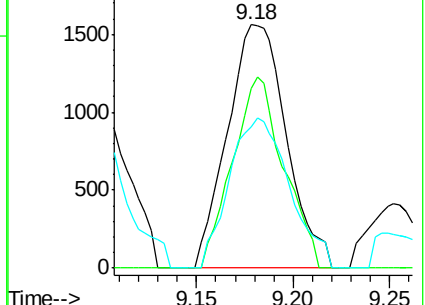
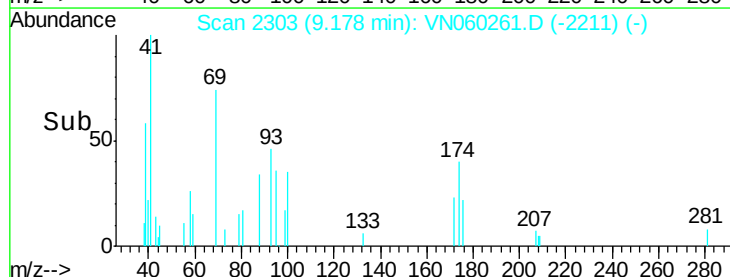


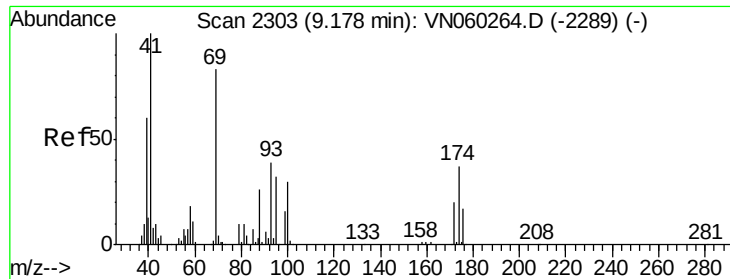
Abundance Ion 41.00 (40.70 to 41.70): VN060261.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060261.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060261.D (-2211) (-)

Time-->

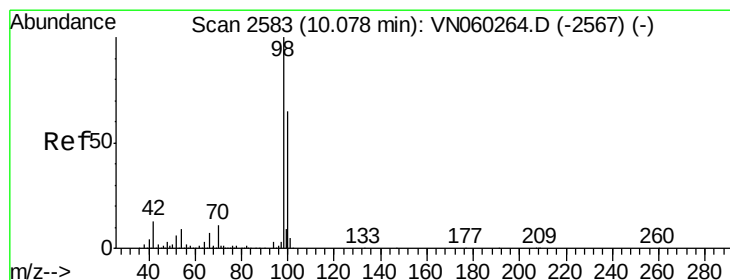
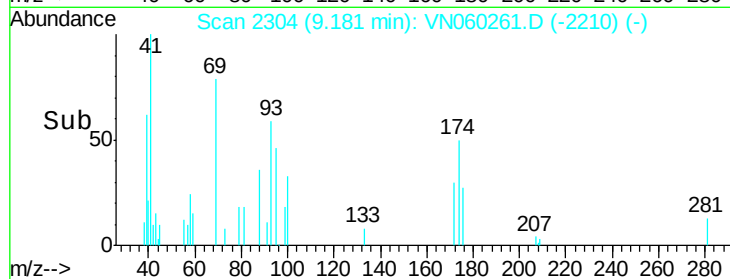
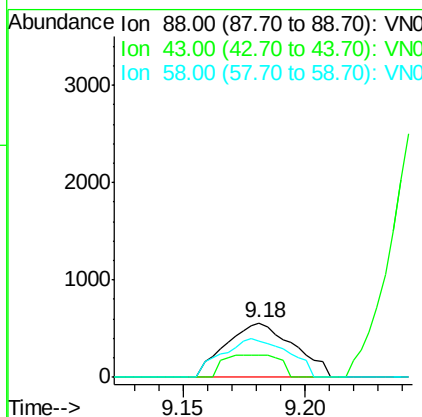
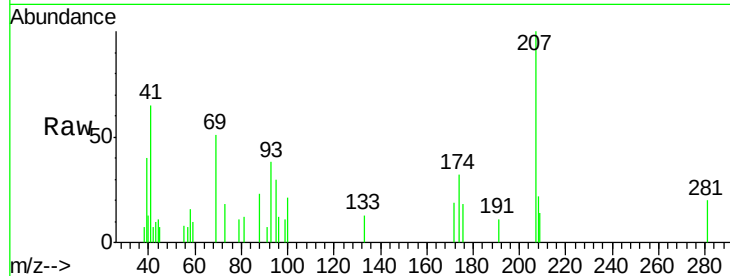




#49
1,4-Dioxane
Concen: 25.00 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060261.D
Acq: 27 Feb 2020 10:21

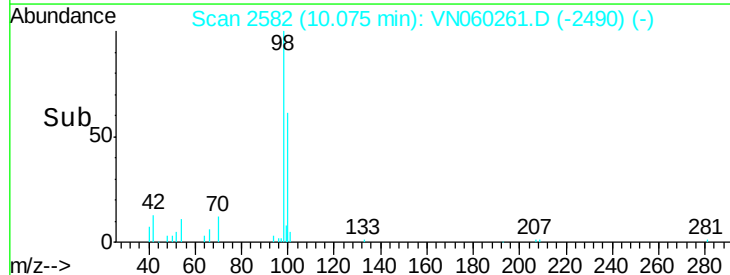
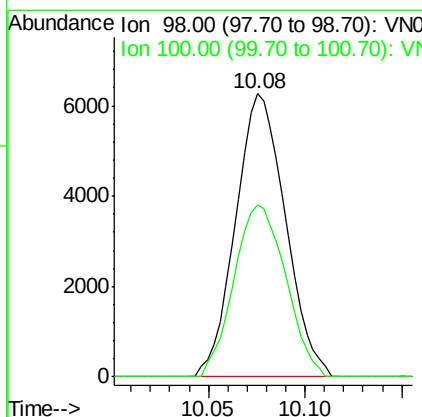
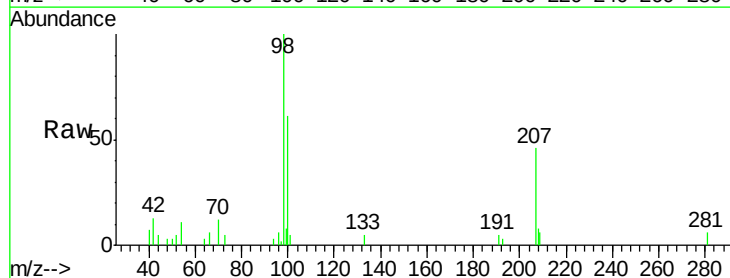
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

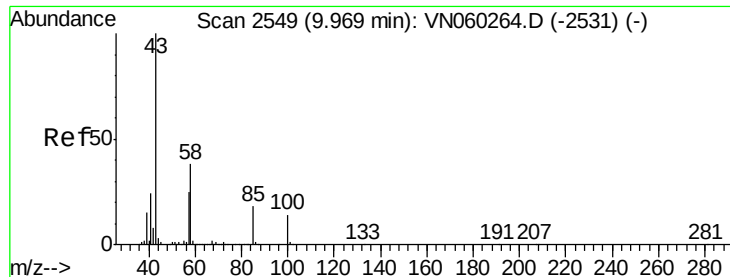
Tgt Ion: 88 Resp: 1080
Ion Ratio Lower Upper
88 100
43 33.8 30.4 45.6
58 69.6 57.0 85.6



#50
Toluene-d8
Concen: 1.15 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060261.D
Acq: 27 Feb 2020 10:21

Tgt Ion: 98 Resp: 11206
Ion Ratio Lower Upper
98 100
100 63.0 52.2 78.2

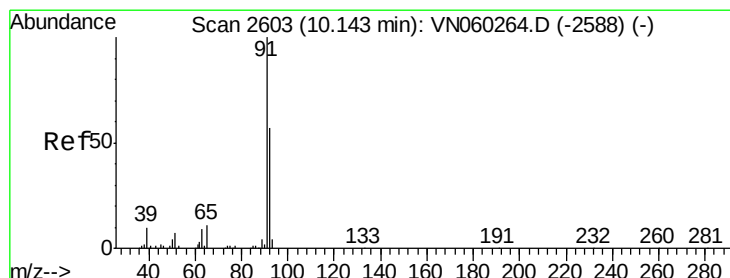
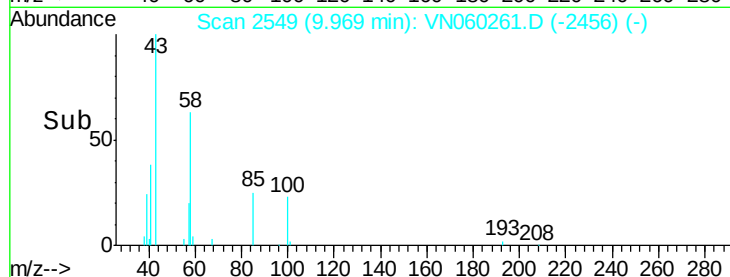
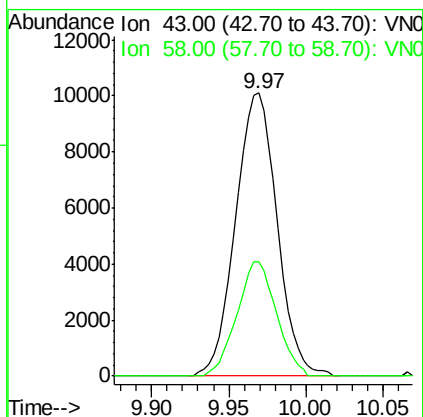
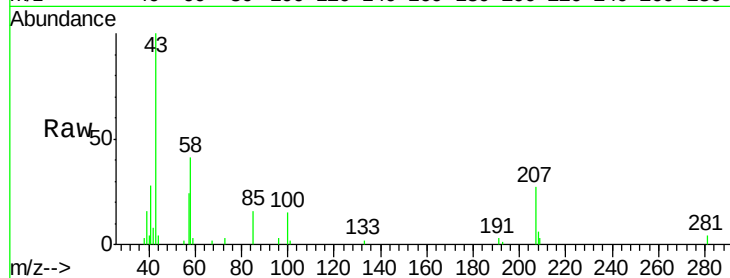




#51
 4-Methyl-2-Pentanone
 Concen: 5.51 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: VN060261.D
 Acq: 27 Feb 2020 10:21

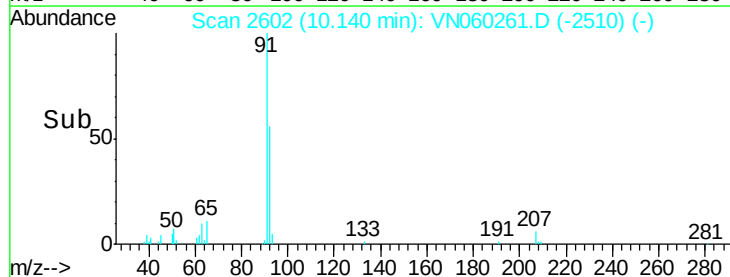
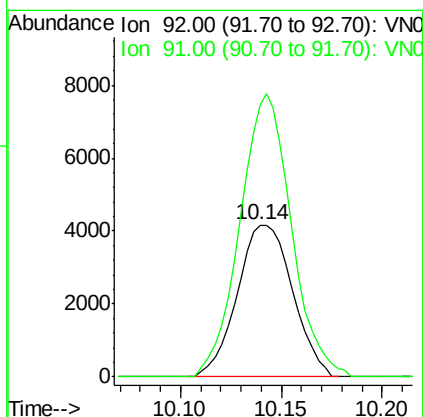
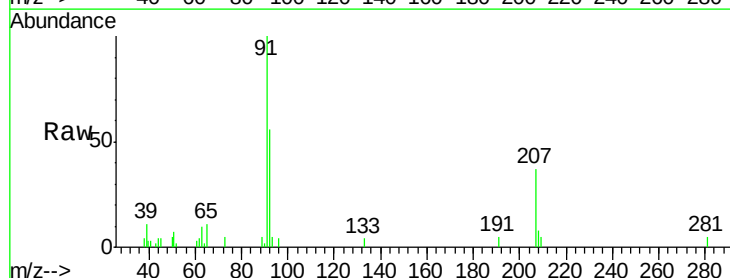
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

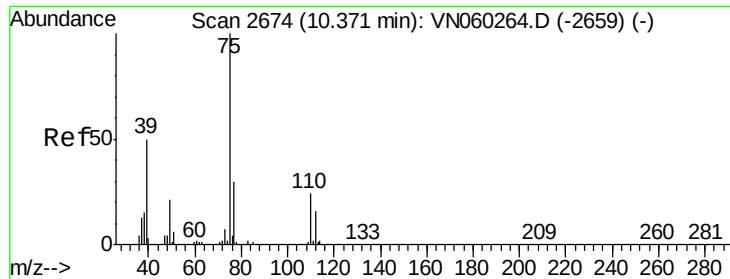
Tgt Ion: 43 Resp: 18865
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.9 46.3



#52
 Toluene
 Concen: 1.11 ug/l
 RT: 10.14 min Scan# 2602
 Delta R.T. -0.00 min
 Lab File: VN060261.D
 Acq: 27 Feb 2020 10:21

Tgt Ion: 92 Resp: 7984
 Ion Ratio Lower Upper
 92 100
 91 173.4 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 1.18 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampled :

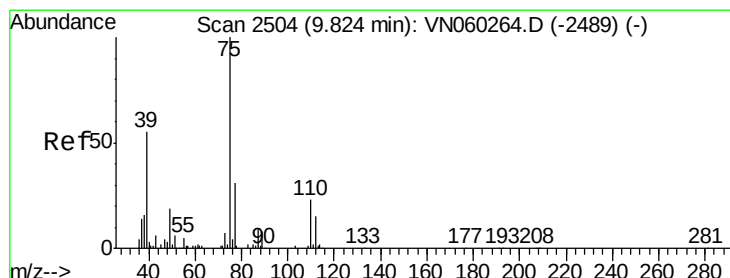
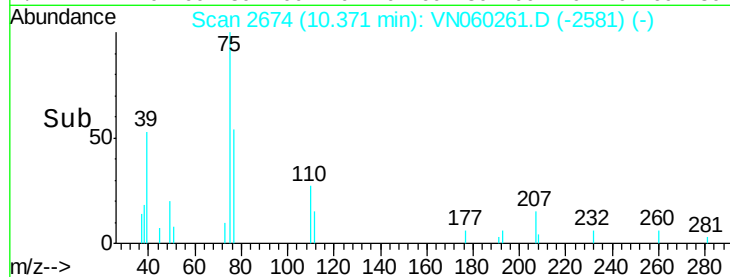
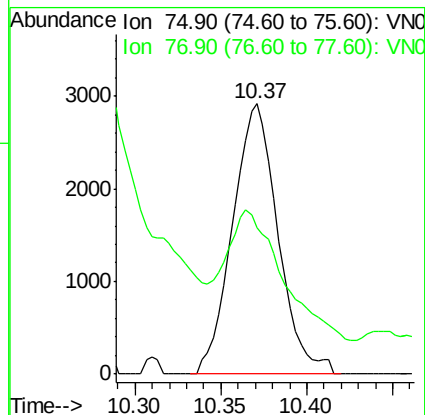
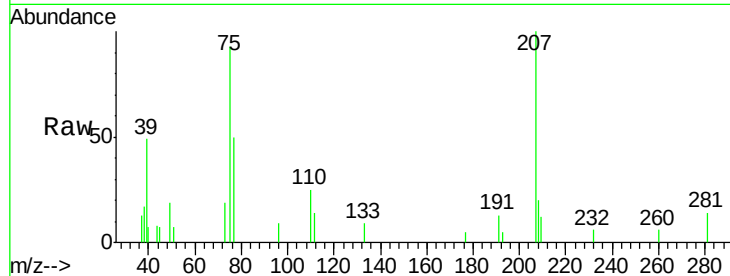
VSTDIC001

Tgt Ion: 75 Resp: 5345

Ion Ratio Lower Upper

75 100

77 39.7 24.8 37.2#



#54

cis-1,3-Dichloropropene

Concen: 1.23 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

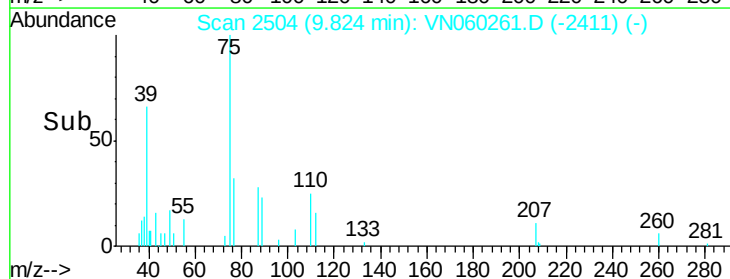
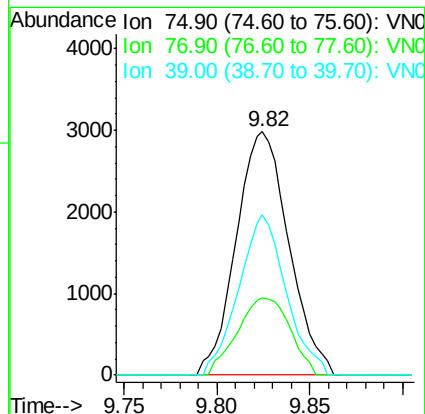
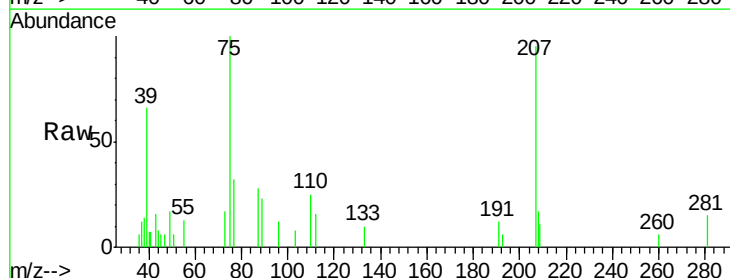
Tgt Ion: 75 Resp: 5872

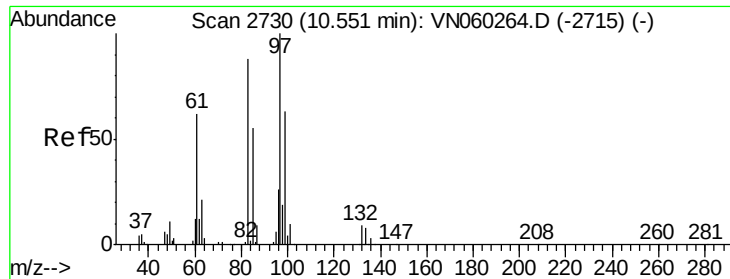
Ion Ratio Lower Upper

75 100

77 31.6 24.8 37.2

39 65.7 43.8 65.8

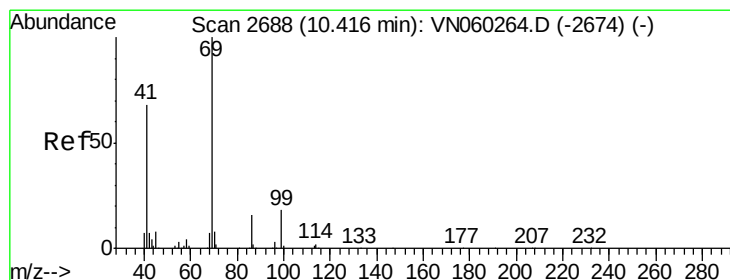
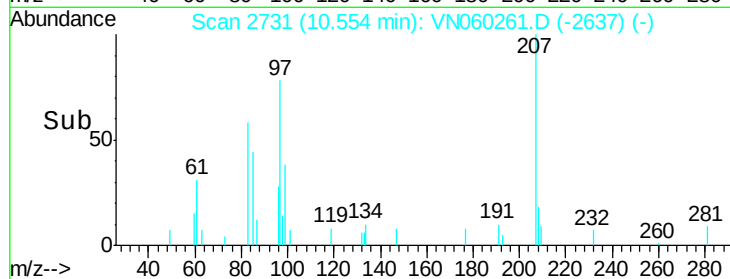
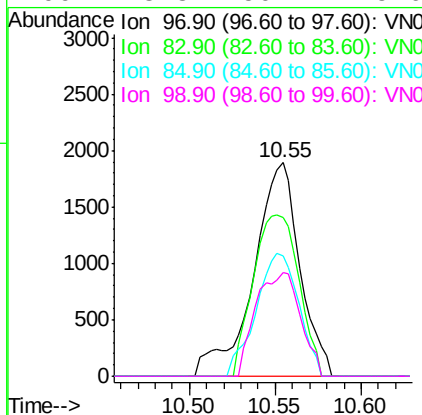
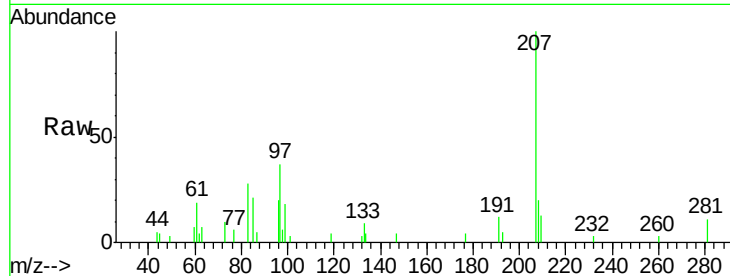




#55
 1,1,2-Trichloroethane
 Concen: 1.26 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN060261.D
 Acq: 27 Feb 2020 10:21

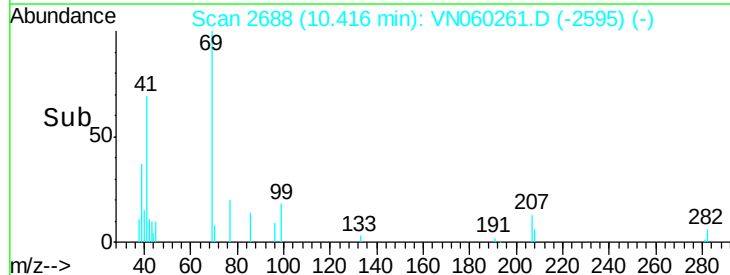
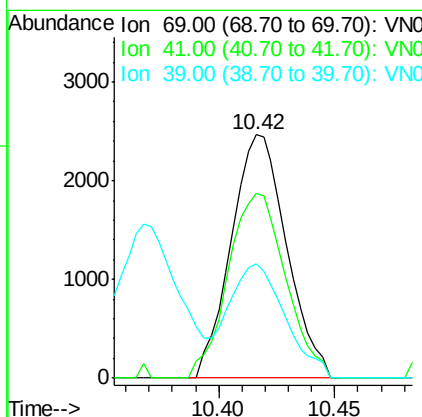
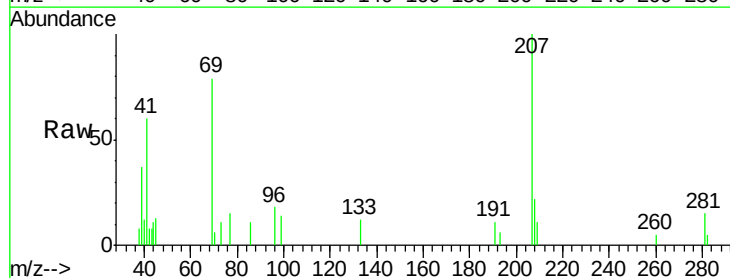
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

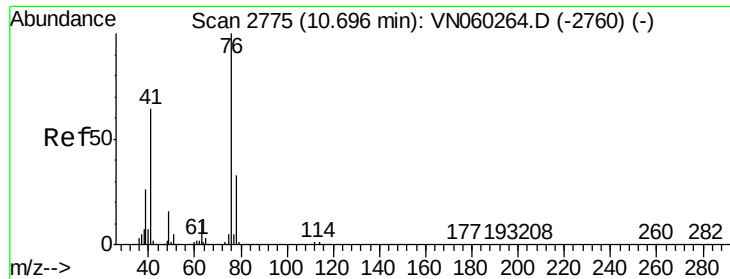
Tgt Ion: 97 Resp: 3537
 Ion Ratio Lower Upper
 97 100
 83 74.5 70.0 105.0
 85 56.6 44.0 66.0
 99 48.8 50.4 75.6#



#56
 Ethyl methacrylate
 Concen: 1.03 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060261.D
 Acq: 27 Feb 2020 10:21

Tgt Ion: 69 Resp: 4095
 Ion Ratio Lower Upper
 69 100
 41 78.8 54.1 81.1
 39 47.4 32.5 48.7





#57

1,3-Dichloropropane

Concen: 1.15 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampled :

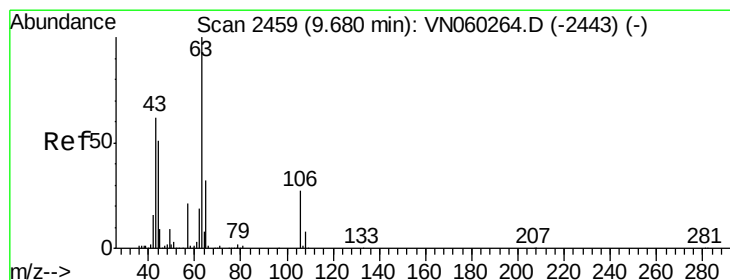
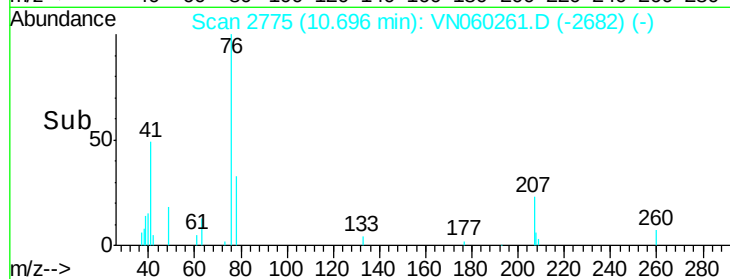
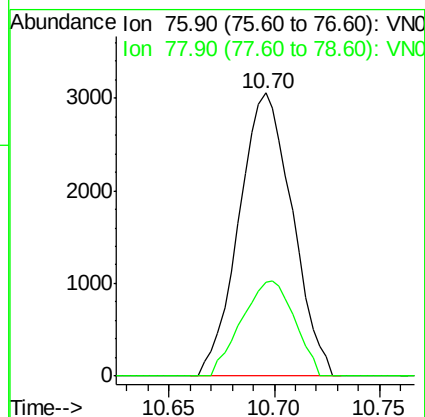
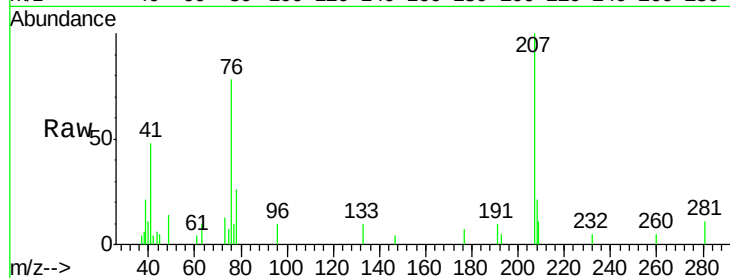
VSTDIC001

Tgt Ion: 76 Resp: 5367

Ion Ratio Lower Upper

76 100

78 33.3 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 6.40 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060261.D

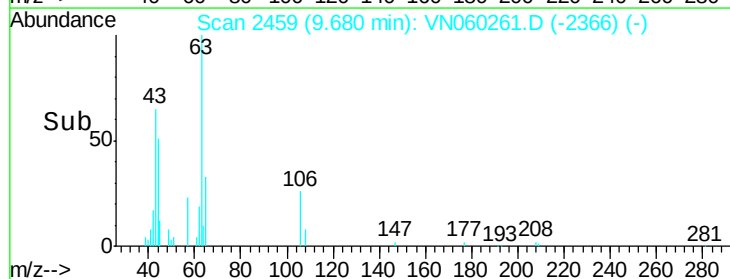
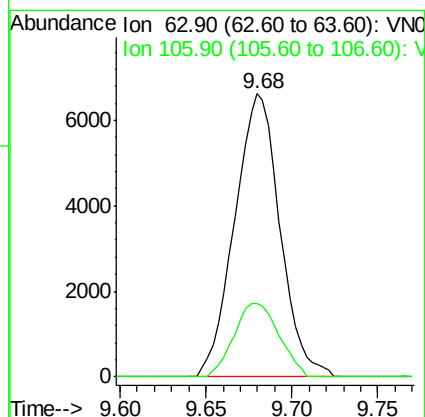
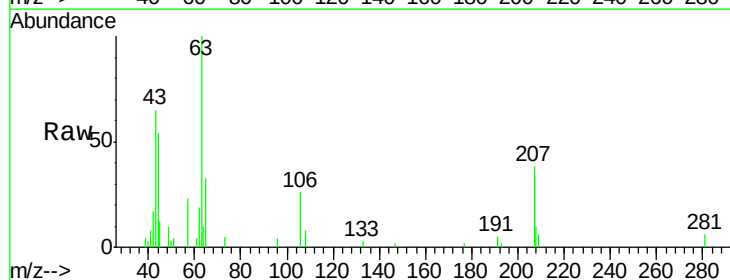
Acq: 27 Feb 2020 10:21

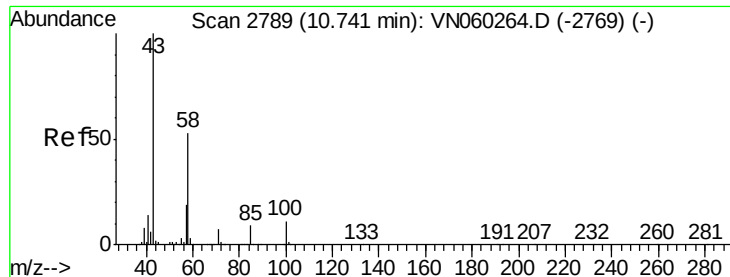
Tgt Ion: 63 Resp: 12099

Ion Ratio Lower Upper

63 100

106 25.8 21.1 31.7





#59

2-Hexanone

Concen: 5.65 ug/l

RT: 10.74 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampled :

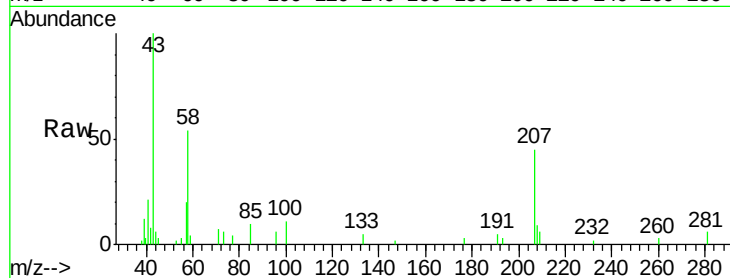
VSTDIC001

Tgt Ion: 43 Resp: 14732

Ion Ratio Lower Upper

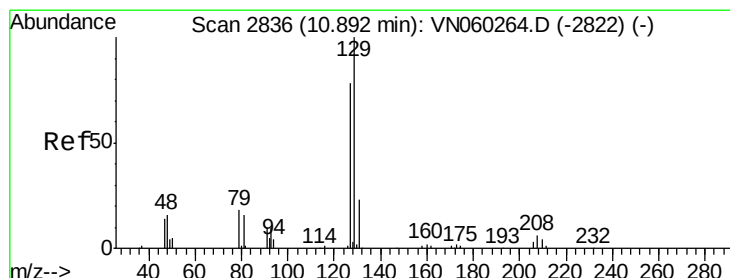
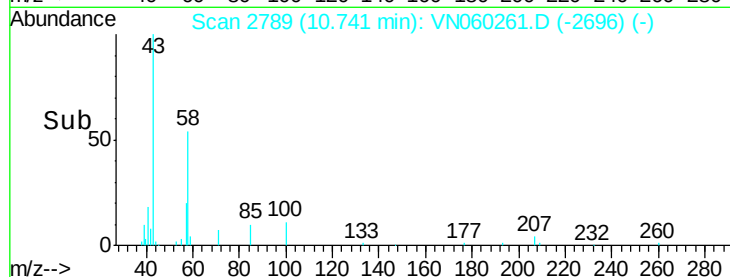
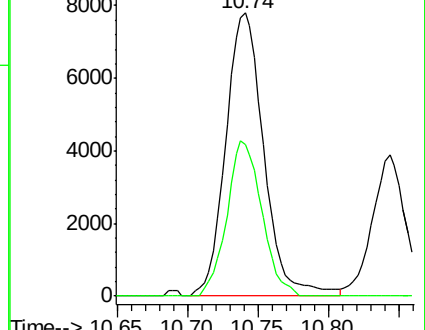
43 100

58 50.1 26.5 79.5



Abundance Ion 43.00 (42.70 to 43.70): VN060261.D (-2696) (-)

Ion 58.00 (57.70 to 58.70): VN060261.D (-2696) (-)



#60

Dibromochloromethane

Concen: 0.91 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN060261.D

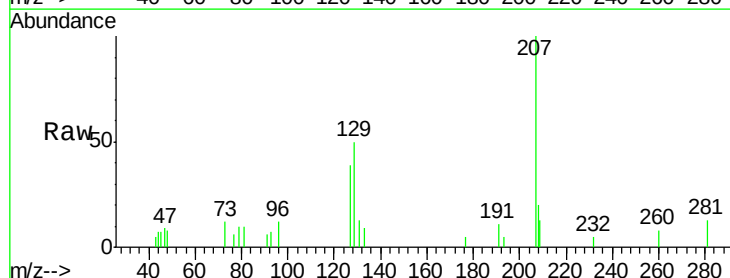
Acq: 27 Feb 2020 10:21

Tgt Ion: 129 Resp: 2892

Ion Ratio Lower Upper

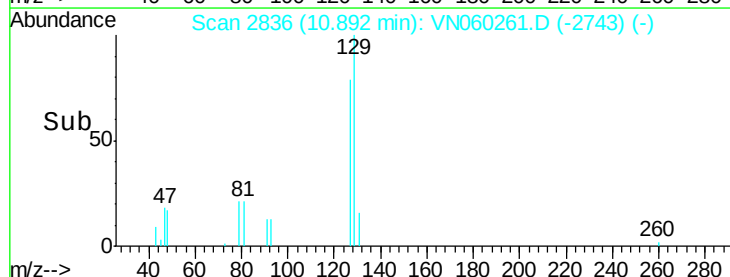
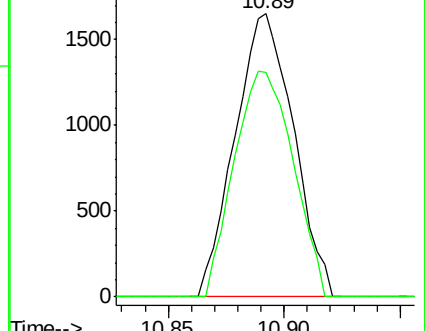
129 100

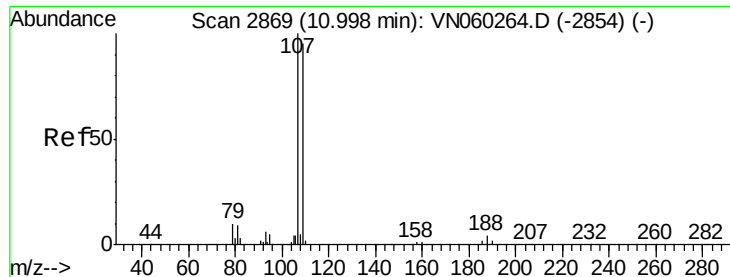
127 80.2 38.9 116.7



Abundance Ion 128.80 (128.50 to 129.50): VN060261.D (-2743) (-)

Ion 126.80 (126.50 to 127.50): VN060261.D (-2743) (-)





#61

1,2-Dibromoethane

Concen: 1.03 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampleId :

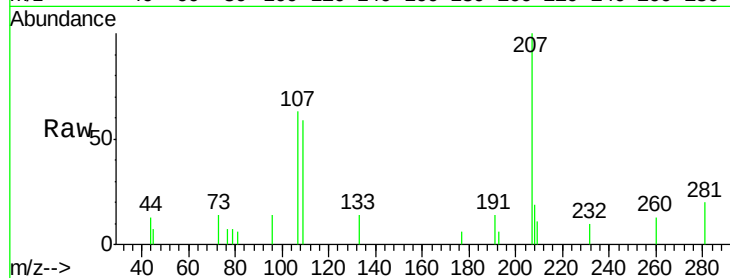
VSTDIC001

Tgt Ion: 107 Resp: 2990

Ion Ratio Lower Upper

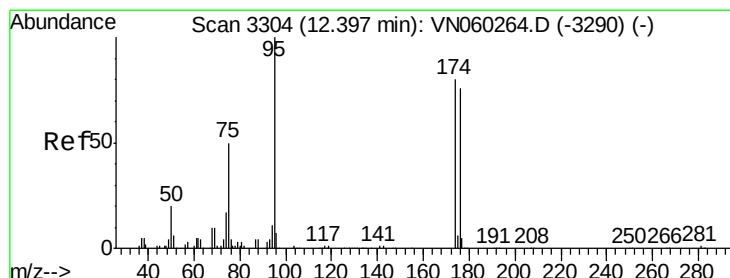
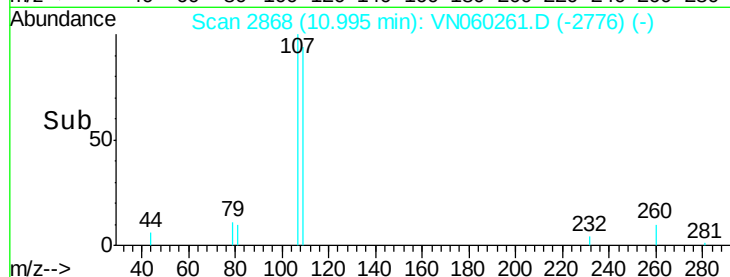
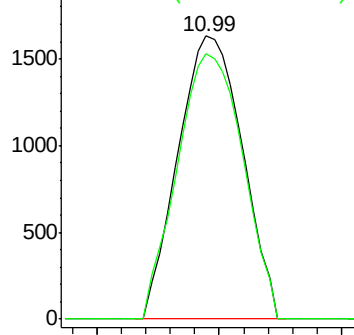
107 100

109 95.7 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 1.26 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

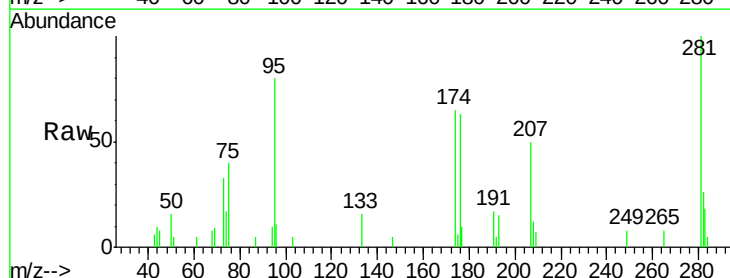
Tgt Ion: 95 Resp: 4527

Ion Ratio Lower Upper

95 100

174 83.0 0.0 159.2

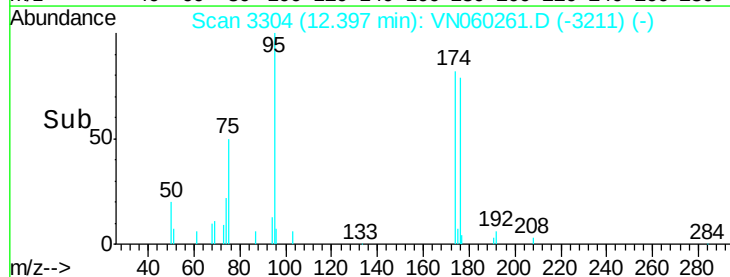
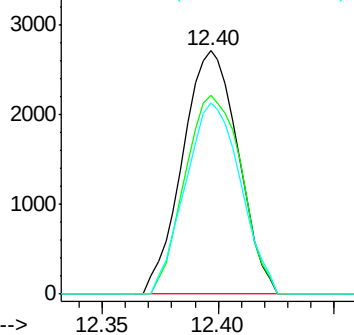
176 78.1 0.0 153.8

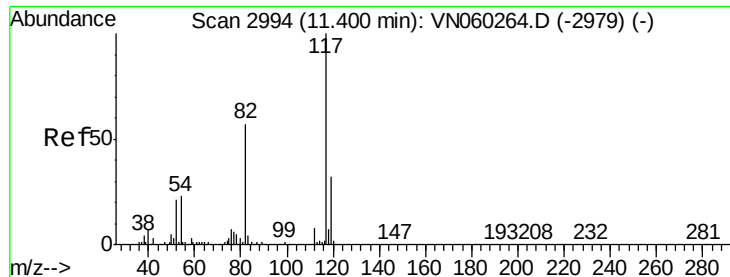


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

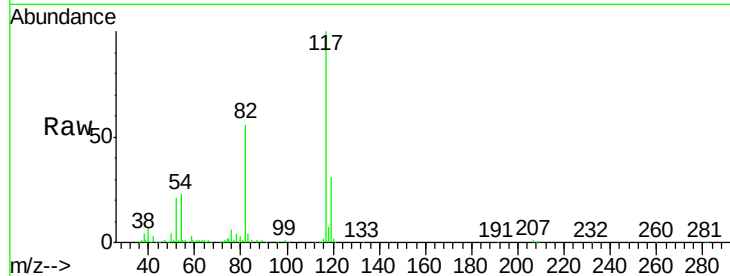




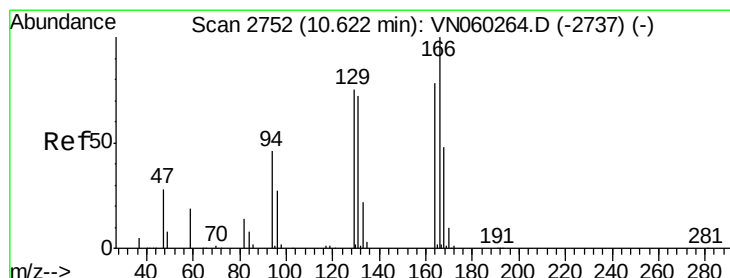
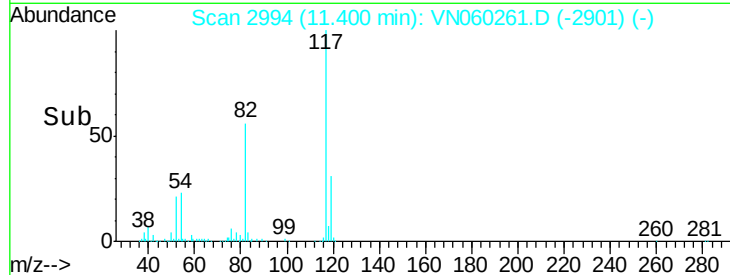
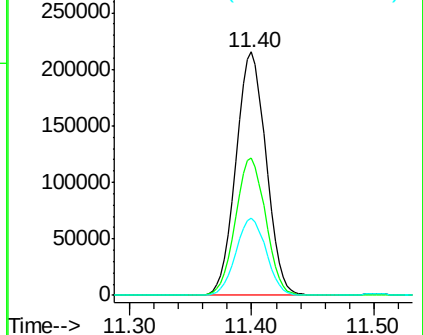
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060261.D
Acq: 27 Feb 2020 10:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion:117 Resp: 368408
Ion Ratio Lower Upper
117 100
82 56.2 45.8 68.6
119 31.5 25.8 38.8

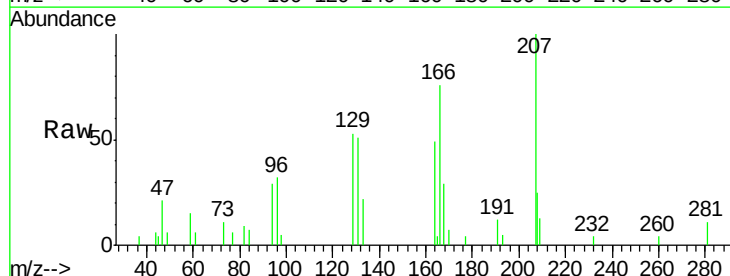


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

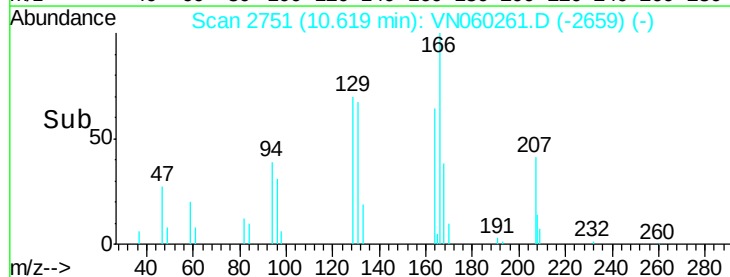
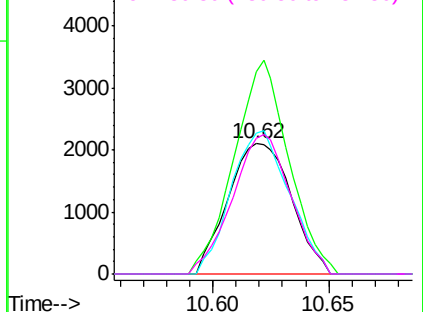


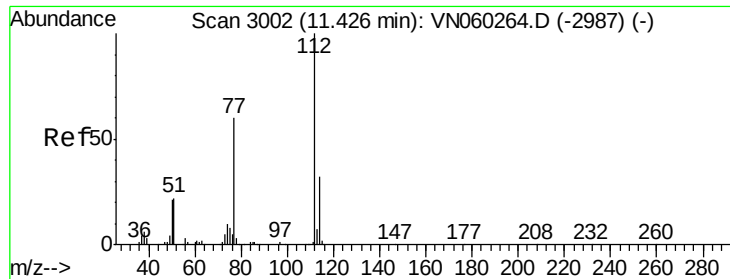
#64
Tetrachloroethene
Concen: 1.40 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060261.D
Acq: 27 Feb 2020 10:21

Tgt Ion:164 Resp: 3996
Ion Ratio Lower Upper
164 100
166 155.6 102.0 153.0#
129 108.4 76.4 114.6
131 104.0 73.6 110.4



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





#65

Chlorobenzene

Concen: 1.17 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampleId :

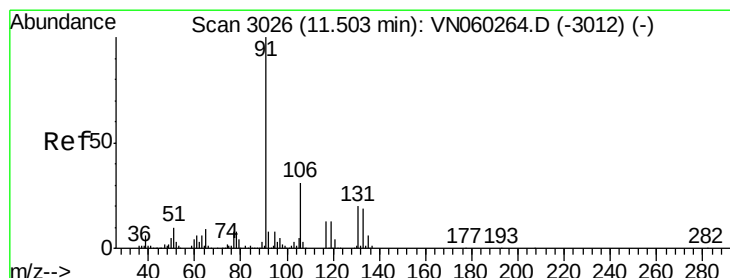
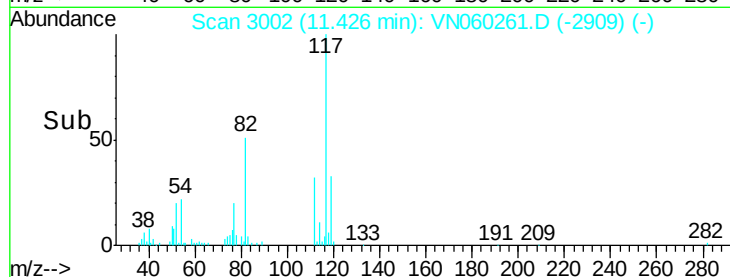
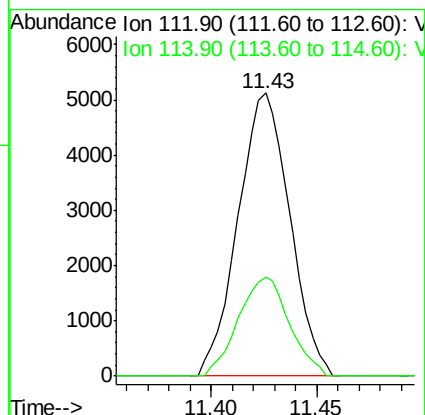
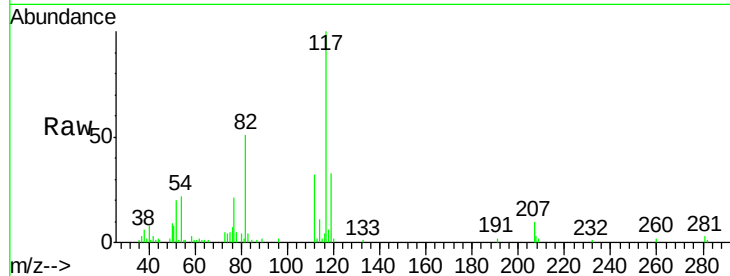
VSTDIC001

Tgt Ion:112 Resp: 8735

Ion Ratio Lower Upper

112 100

114 34.8 25.4 38.0



#66

1,1,1,2-Tetrachloroethane

Concen: 1.10 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

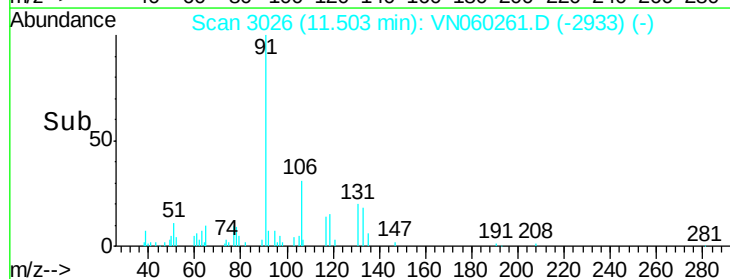
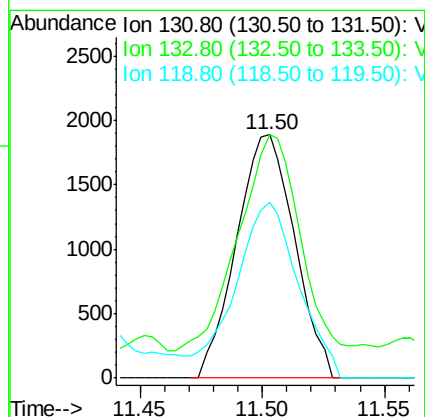
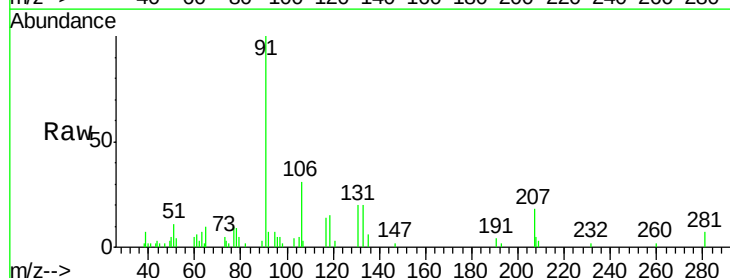
Tgt Ion:131 Resp: 3113

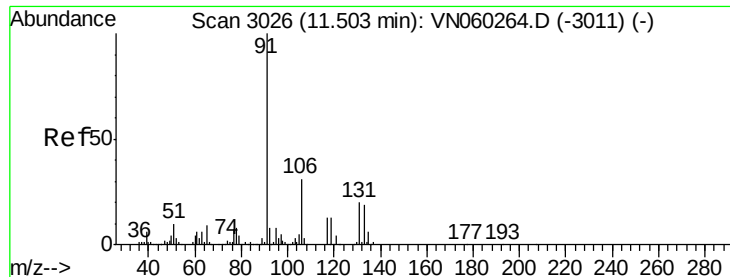
Ion Ratio Lower Upper

131 100

133 92.8 47.7 143.1

119 0.0 33.2 99.6#

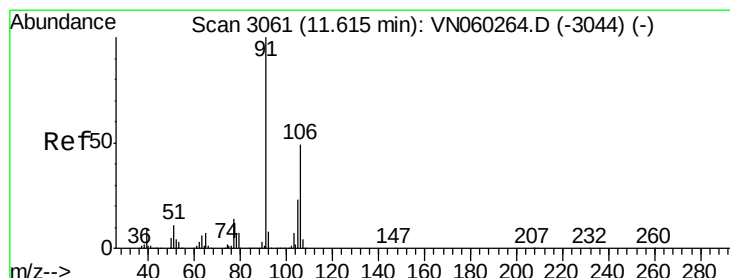
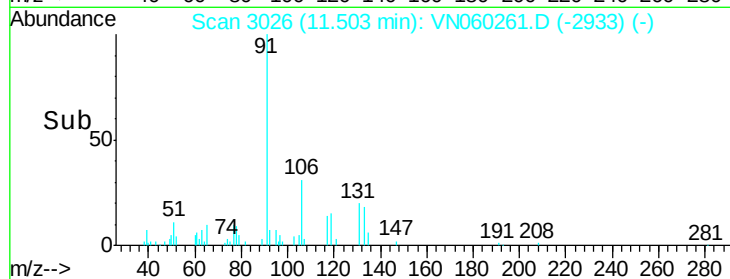
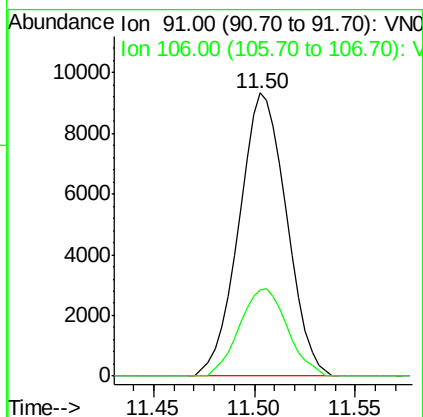
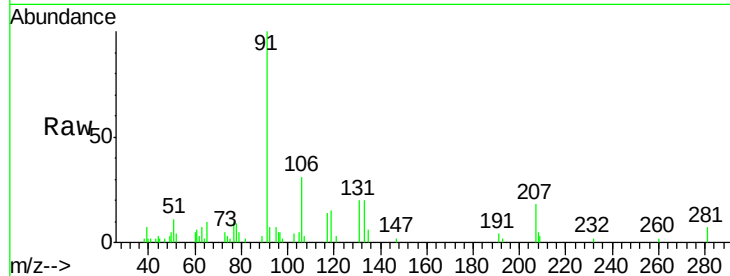




#67
Ethyl Benzene
Concen: 1.14 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060261.D
Acq: 27 Feb 2020 10:21

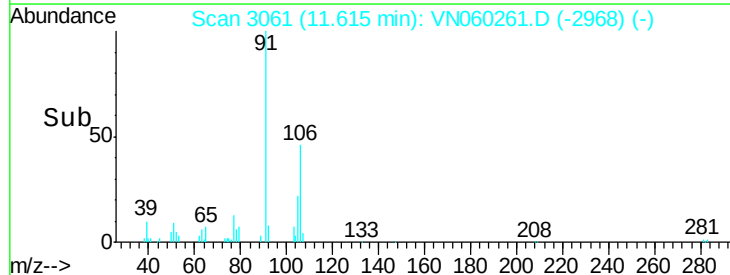
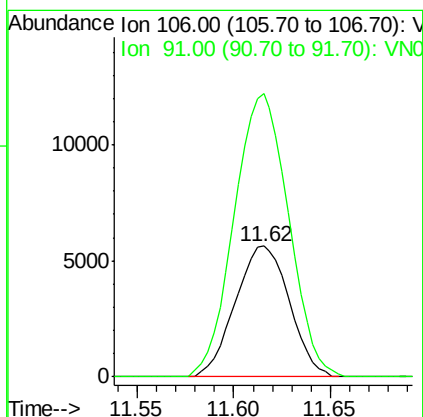
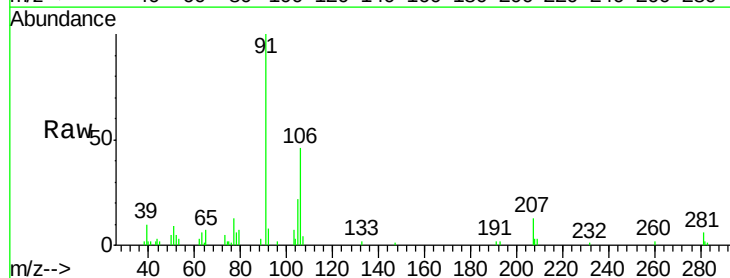
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

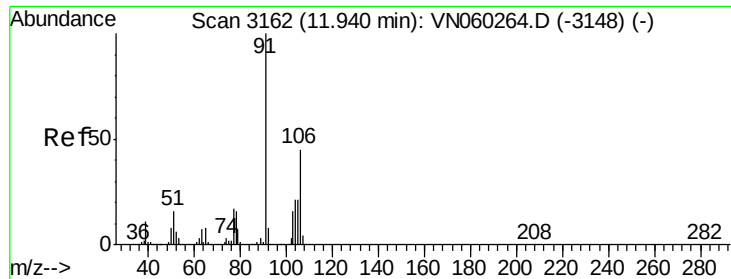
Tgt Ion: 91 Resp: 15390
Ion Ratio Lower Upper
91 100
106 30.6 24.7 37.1



#68
m/p-Xylenes
Concen: 2.16 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060261.D
Acq: 27 Feb 2020 10:21

Tgt Ion: 106 Resp: 10933
Ion Ratio Lower Upper
106 100
91 217.8 164.5 246.7

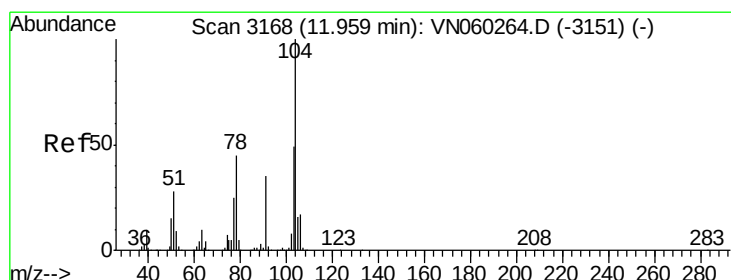
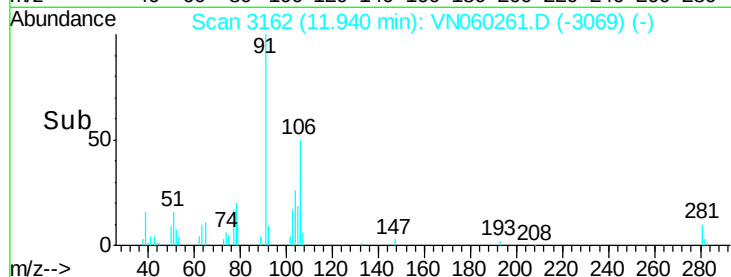
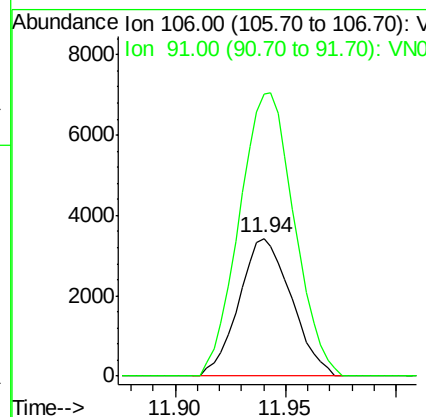
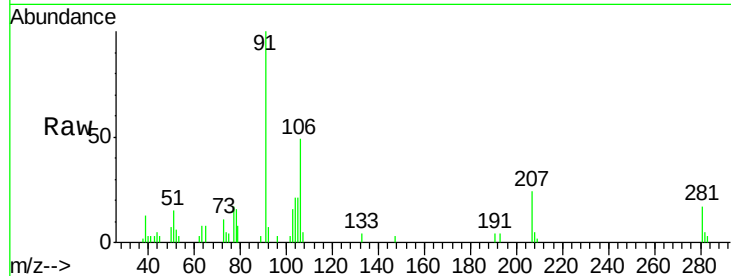




#69
o-Xylene
Concen: 1.16 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060261.D
Acq: 27 Feb 2020 10:21

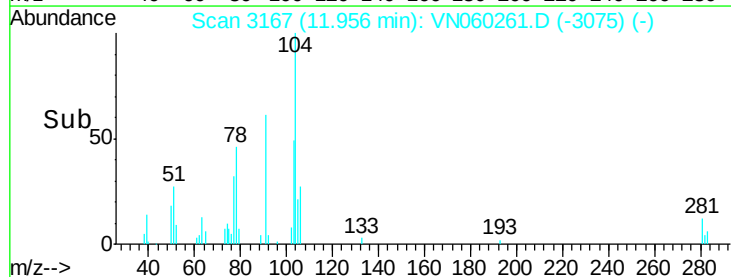
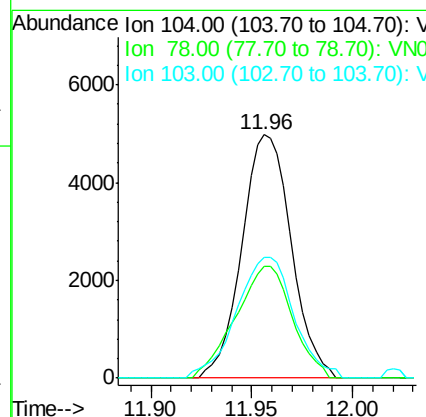
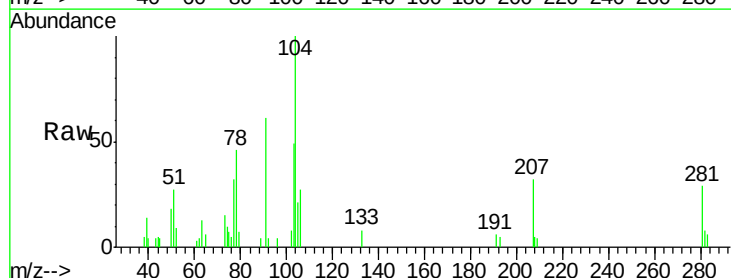
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

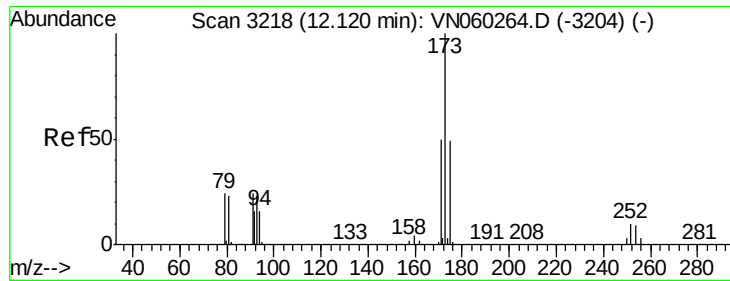
Tgt Ion:106 Resp: 5634
Ion Ratio Lower Upper
106 100
91 215.2 109.5 328.4



#70
Styrene
Concen: 1.08 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060261.D
Acq: 27 Feb 2020 10:21

Tgt Ion:104 Resp: 8531
Ion Ratio Lower Upper
104 100
78 52.6 41.2 61.8
103 57.9 43.9 65.9





#71

Bromoform

Concen: 0.87 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

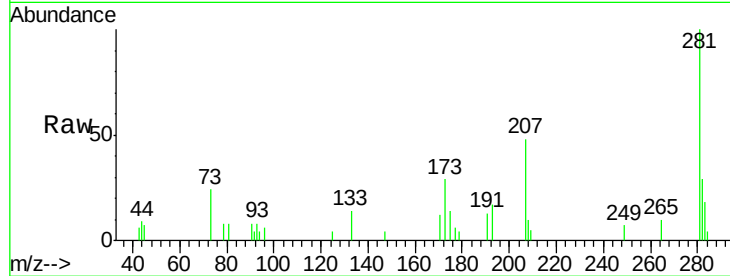
Tgt Ion:173 Resp: 1937

Ion Ratio Lower Upper

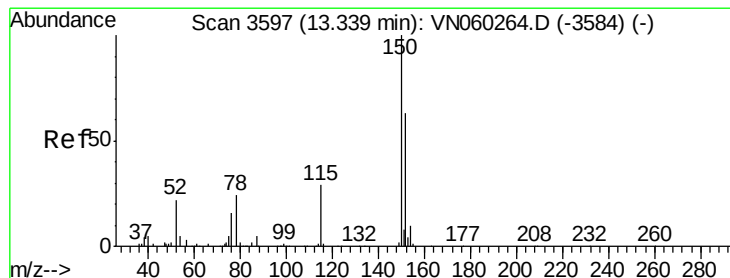
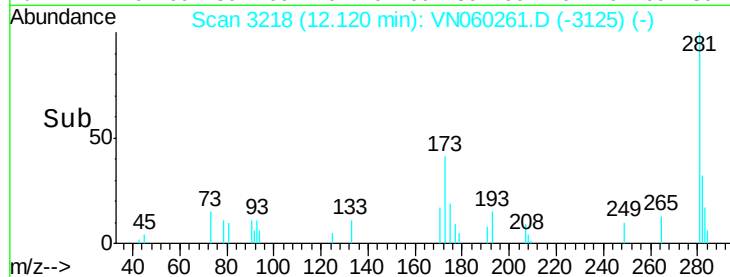
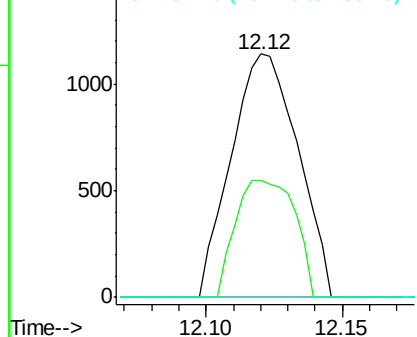
173 100

175 42.8 24.1 72.2

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: 50.00 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

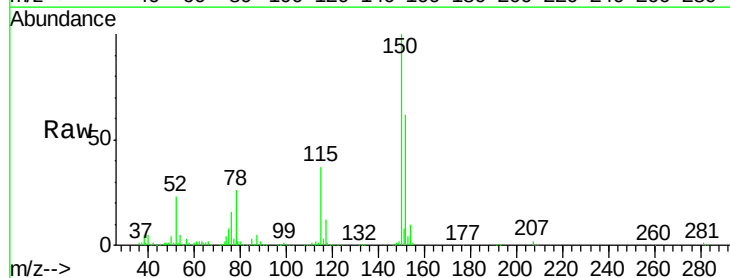
Tgt Ion:152 Resp: 170338

Ion Ratio Lower Upper

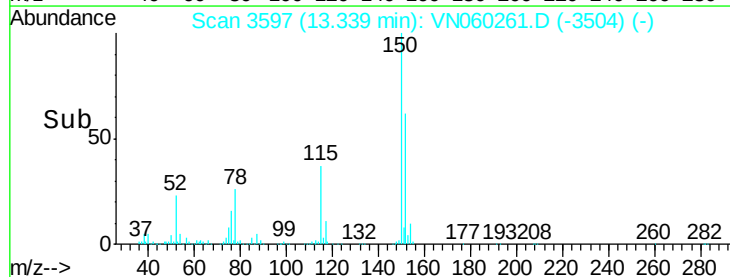
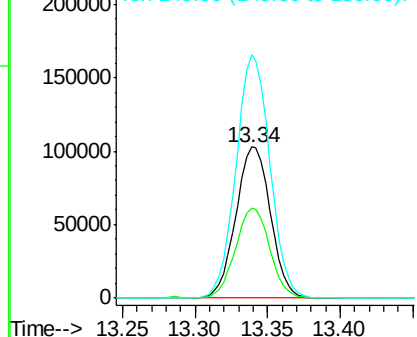
152 100

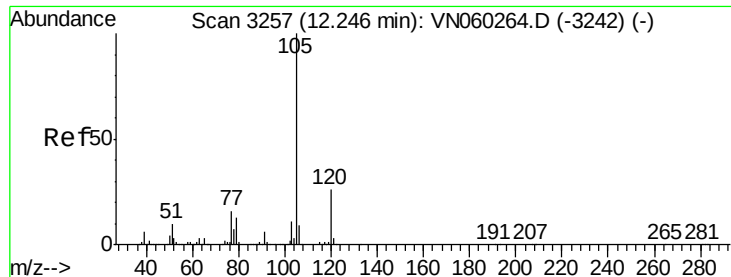
115 58.7 30.0 90.0

150 157.0 0.0 349.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.14 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampleId :

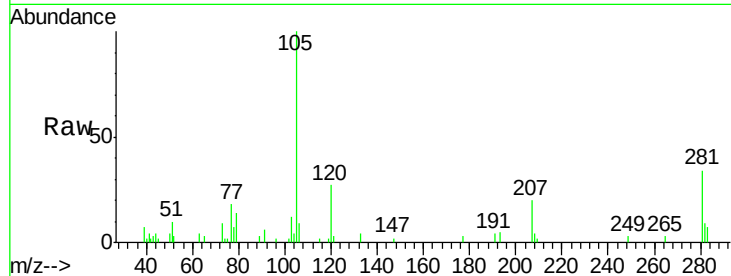
VSTDIC001

Tgt Ion: 105 Resp: 14506

Ion Ratio Lower Upper

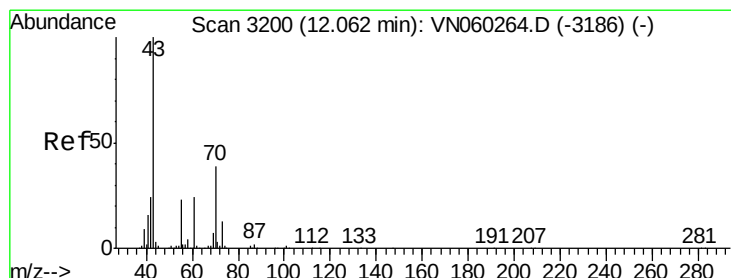
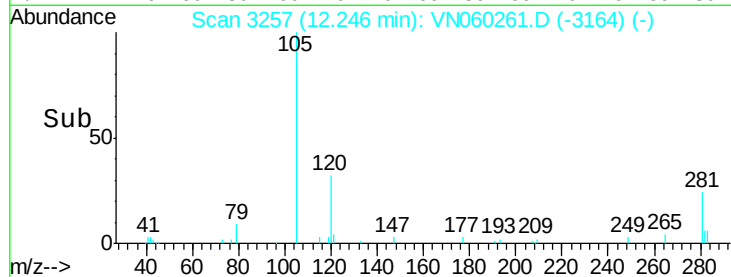
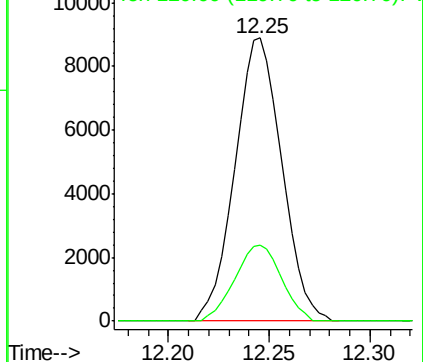
105 100

120 26.7 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 1.35 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Tgt Ion: 43 Resp: 6341

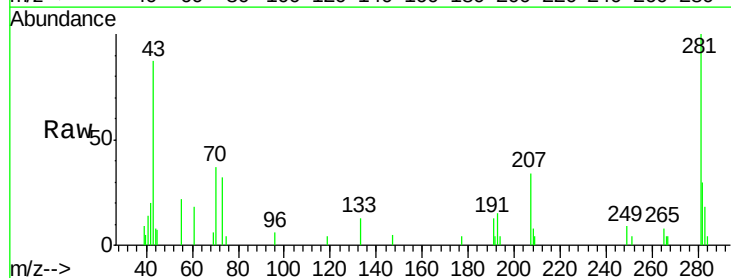
Ion Ratio Lower Upper

43 100

70 40.7 32.2 48.2

55 24.6 18.2 27.4

61 23.9 19.2 28.8

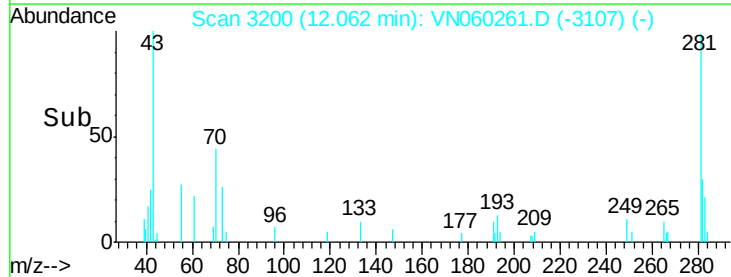
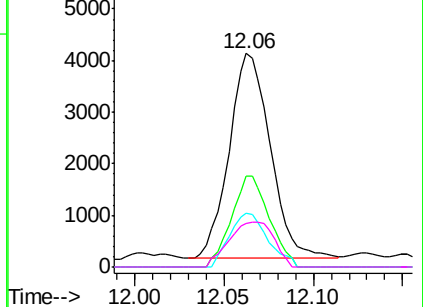


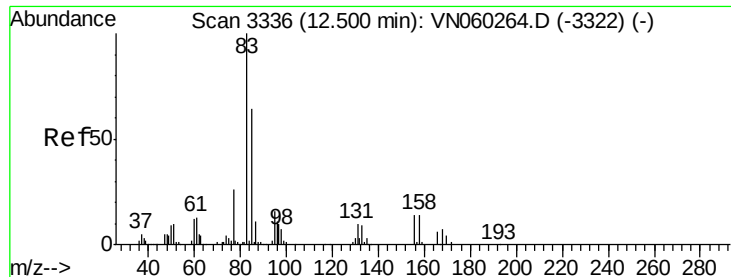
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 1.10 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

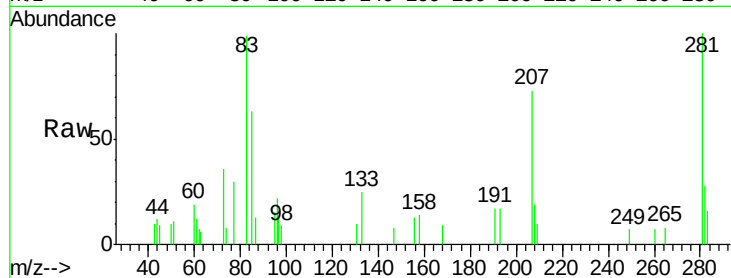
Tgt Ion: 83 Resp: 3977

Ion Ratio Lower Upper

83 100

131 7.2 5.1 15.3

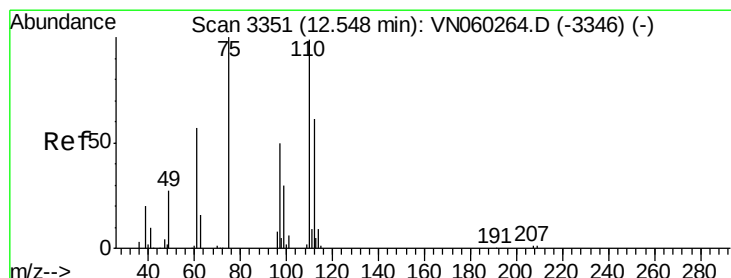
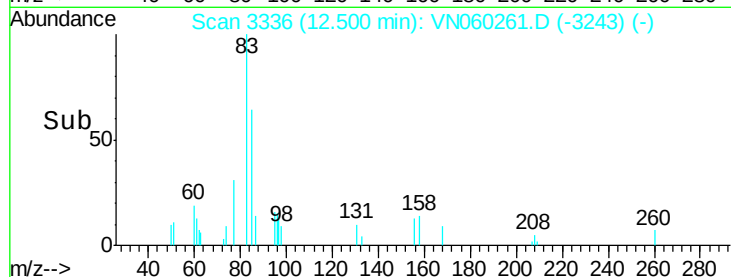
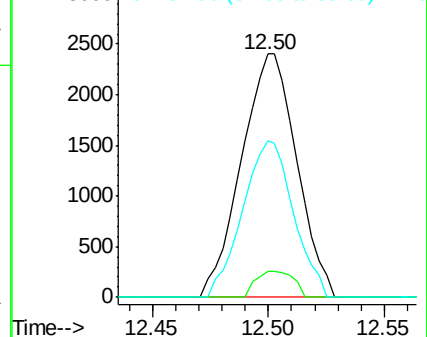
85 59.0 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 1.96 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060261.D

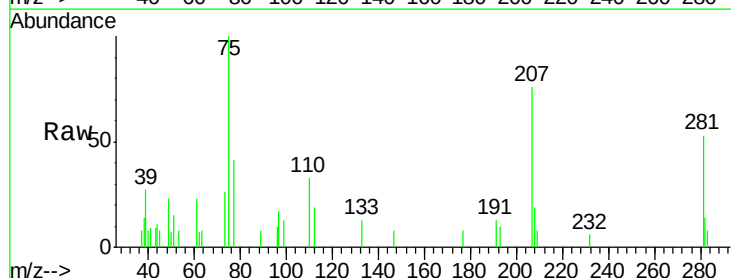
Acq: 27 Feb 2020 10:21

Tgt Ion: 75 Resp: 6439

Ion Ratio Lower Upper

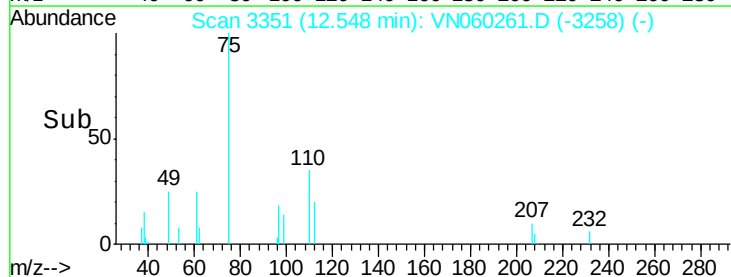
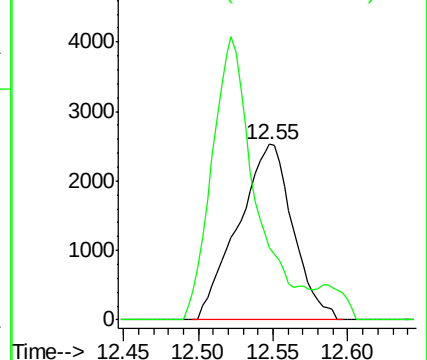
75 100

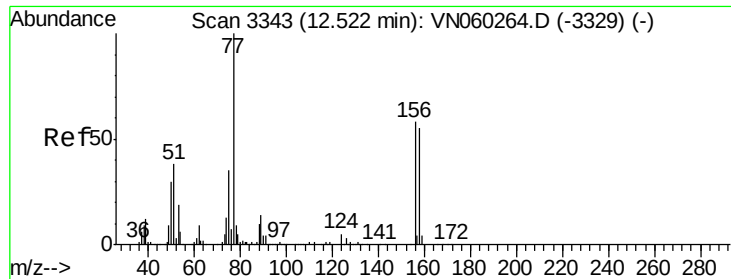
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 1.23 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

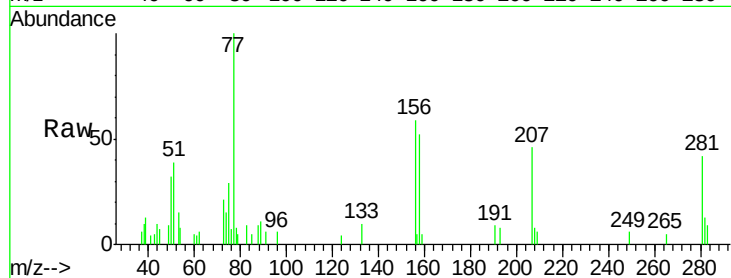
Tgt Ion:156 Resp: 3871

Ion Ratio Lower Upper

156 100

77 216.8 106.1 318.3

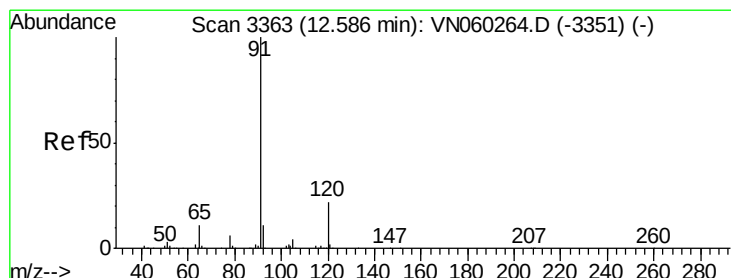
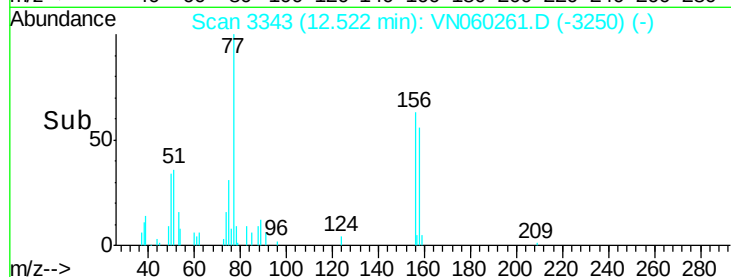
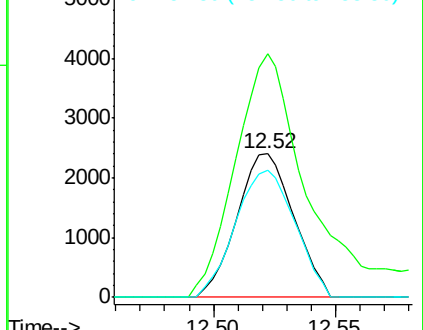
158 93.2 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.23 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060261.D

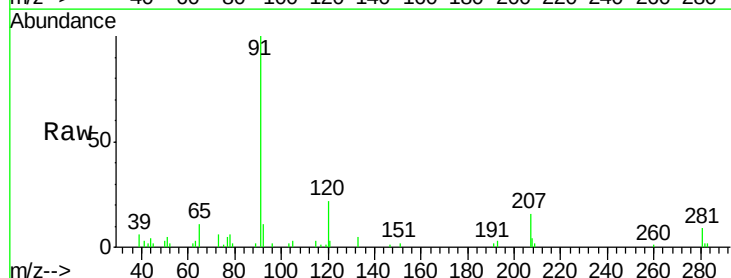
Acq: 27 Feb 2020 10:21

Tgt Ion: 91 Resp: 17881

Ion Ratio Lower Upper

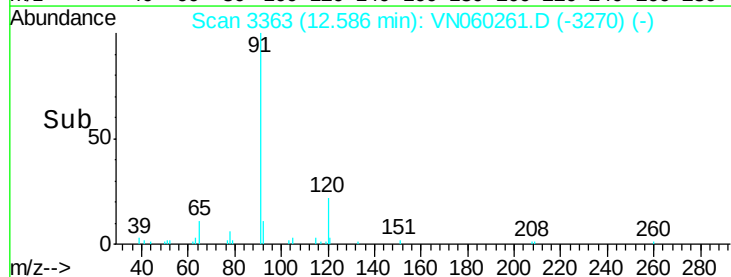
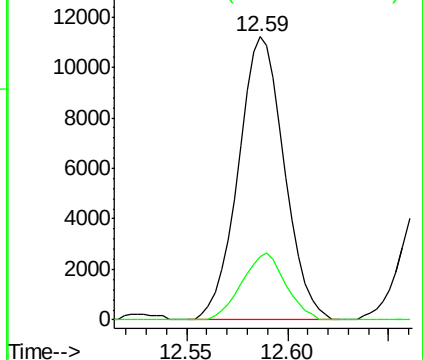
91 100

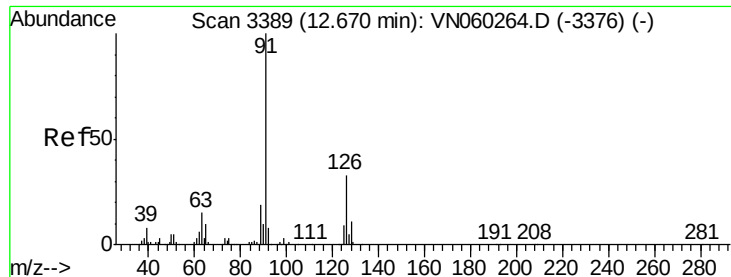
120 22.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.23 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampleId :

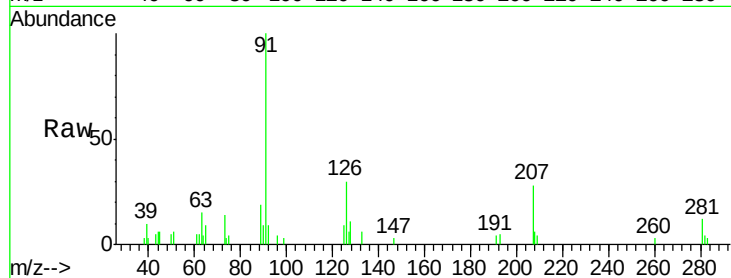
VSTDIC001

Tgt Ion: 91 Resp: 10551

Ion Ratio Lower Upper

91 100

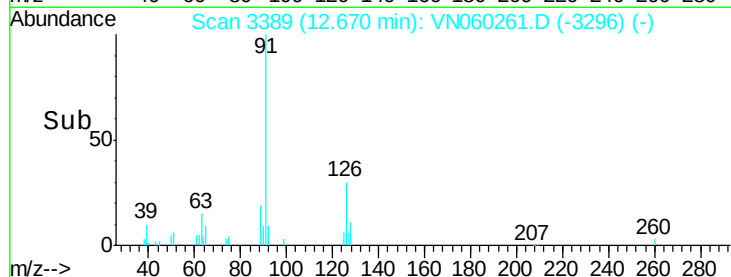
126 30.7 16.6 49.8



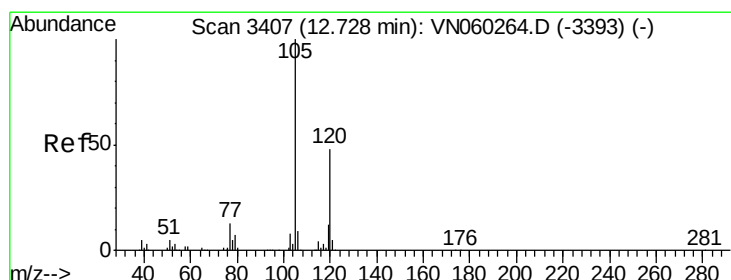
Abundance Ion 91.00 (90.70 to 91.70): VN060261.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060261.D (-3376) (-)

Time-->



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 1.20 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060261.D

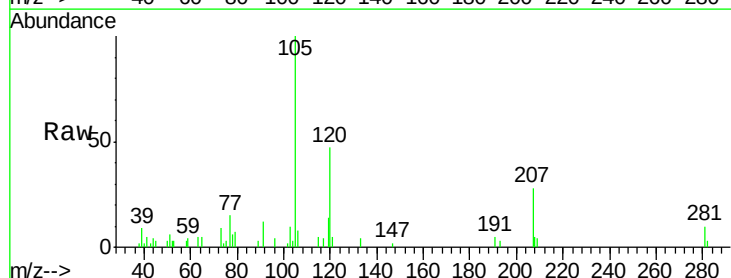
Acq: 27 Feb 2020 10:21

Tgt Ion: 105 Resp: 12747

Ion Ratio Lower Upper

105 100

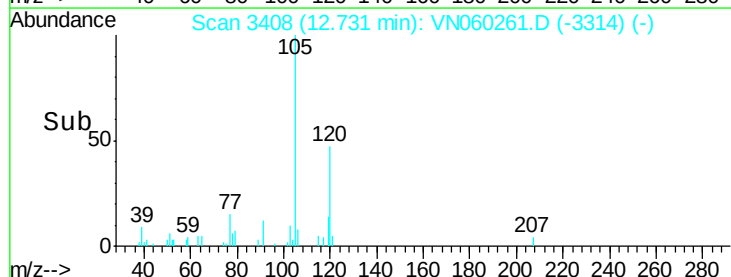
120 46.0 24.1 72.4



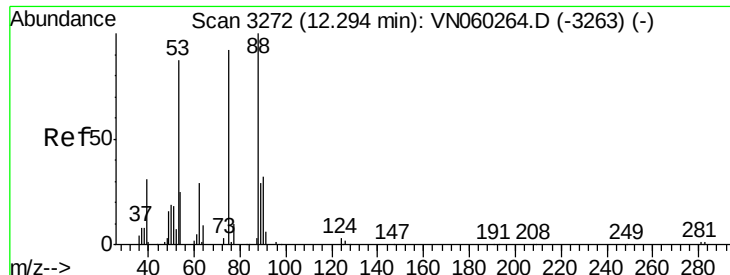
Abundance Ion 105.00 (104.70 to 105.70): VN060261.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN060261.D (-3393) (-)

Time-->



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 1.46 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

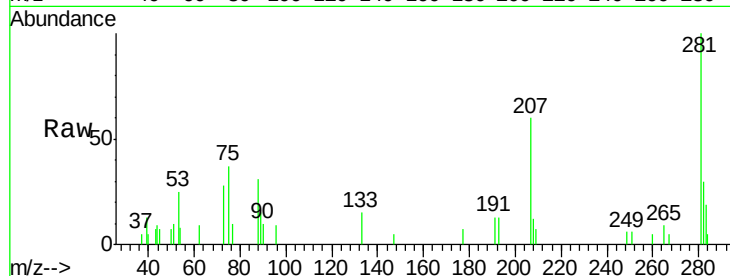
Tgt Ion: 75 Resp: 1949

Ion Ratio Lower Upper

75 100

53 69.6 73.8 110.6#

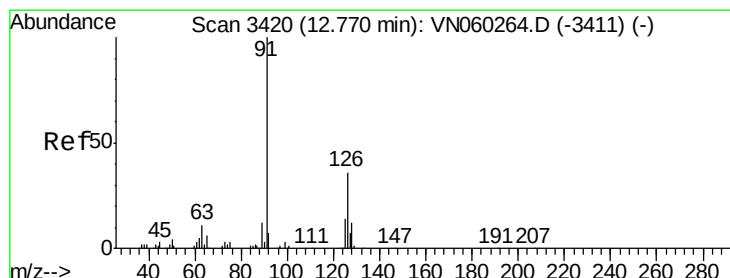
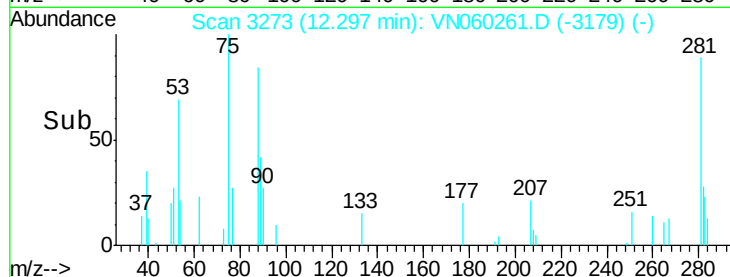
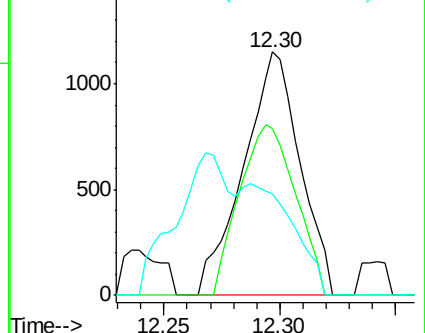
89 0.0 57.1 85.7#



Abundance Ion 74.90 (74.60 to 75.60): VN060261.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060261.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060261.D (-3179) (-)



#82

4-Chlorotoluene

Concen: 1.30 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN060261.D

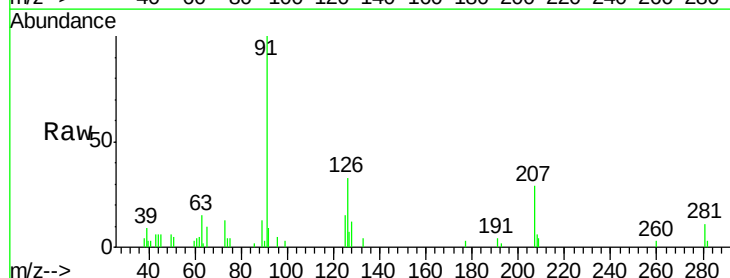
Acq: 27 Feb 2020 10:21

Tgt Ion: 91 Resp: 11456

Ion Ratio Lower Upper

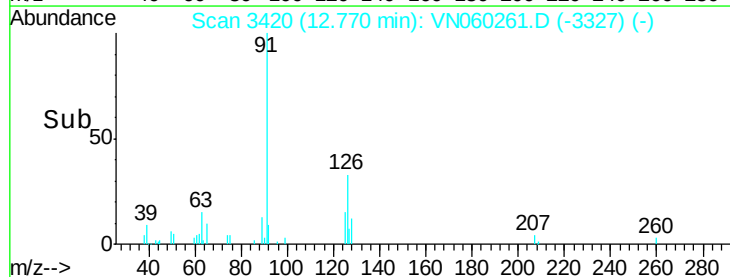
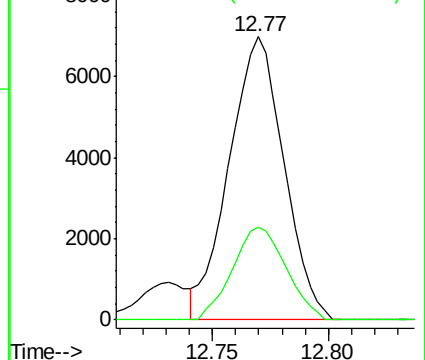
91 100

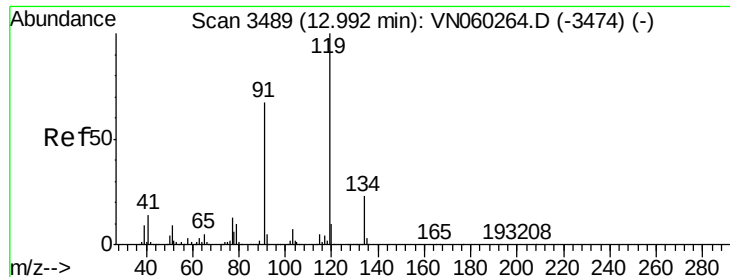
126 31.9 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN060261.D (-3327) (-)

Ion 125.90 (125.60 to 126.60): VN060261.D (-3327) (-)





#83

tert-Butylbenzene

Concen: 1.16 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

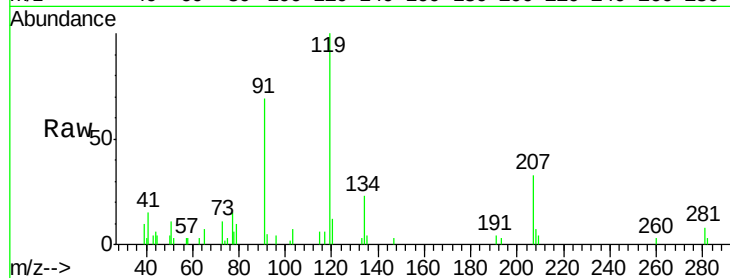
Tgt Ion:119 Resp: 10936

Ion Ratio Lower Upper

119 100

91 67.9 33.1 99.2

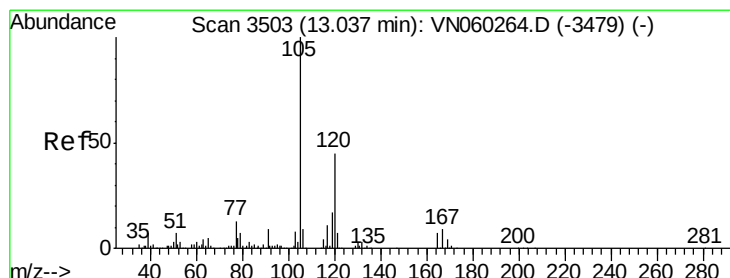
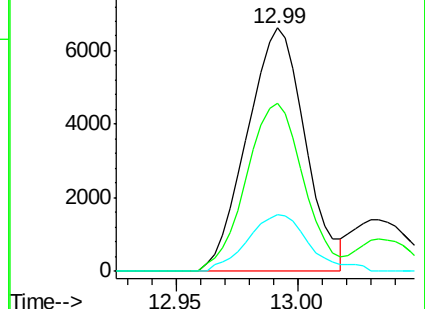
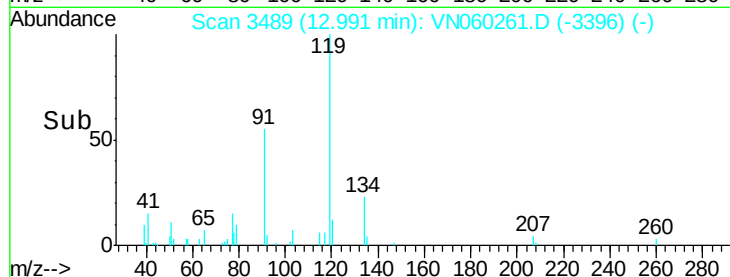
134 24.8 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 1.23 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN060261.D

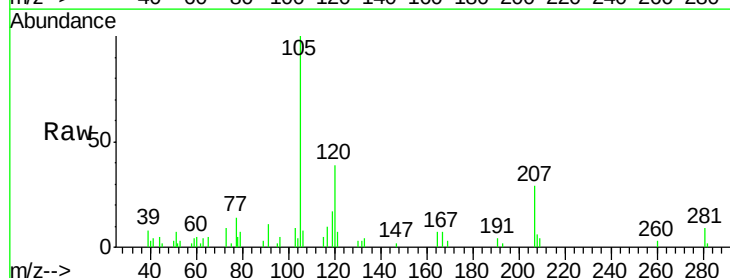
Acq: 27 Feb 2020 10:21

Tgt Ion:105 Resp: 12836

Ion Ratio Lower Upper

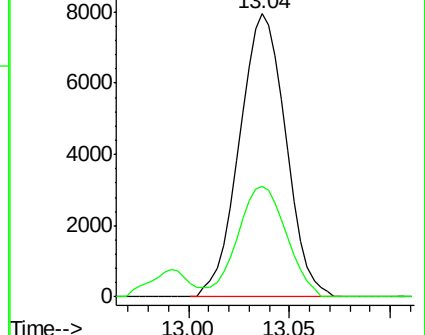
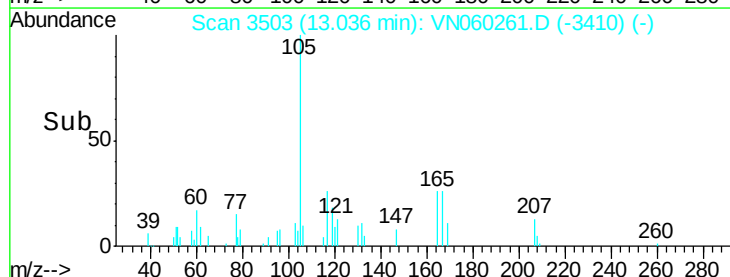
105 100

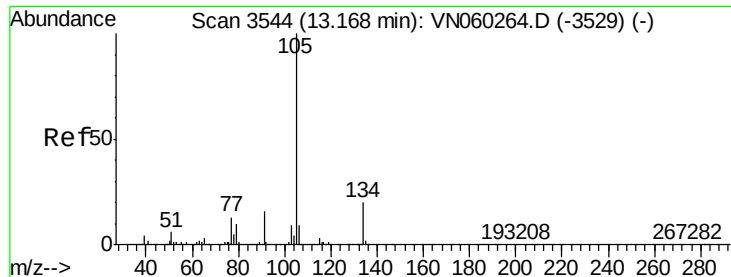
120 41.0 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

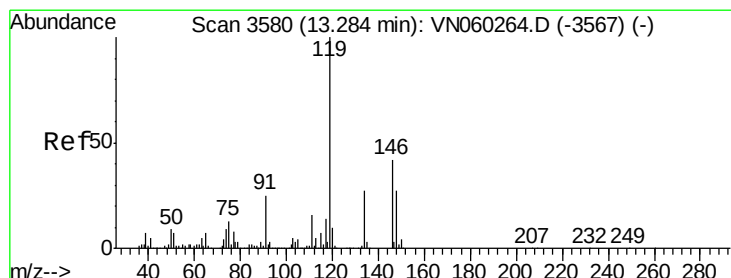
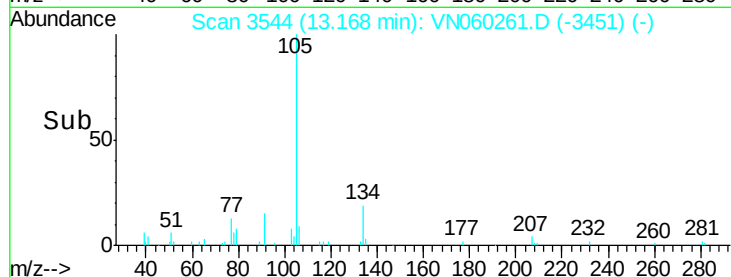
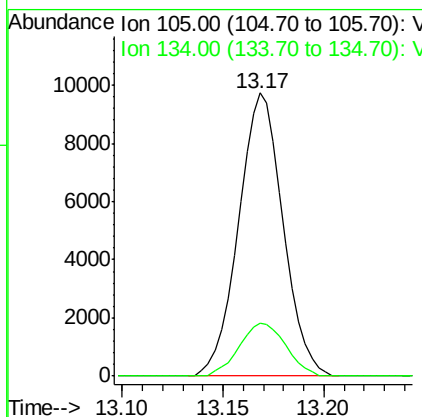
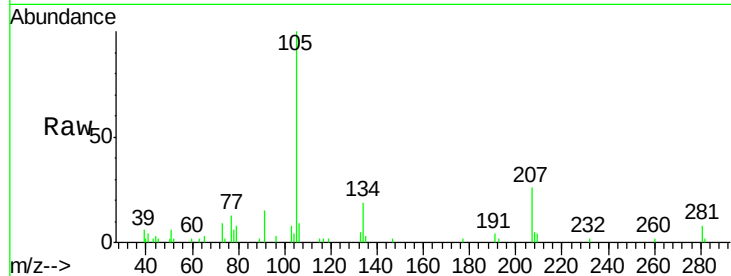




#85
 sec-Butylbenzene
 Concen: 1.21 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060261.D
 Acq: 27 Feb 2020 10:21

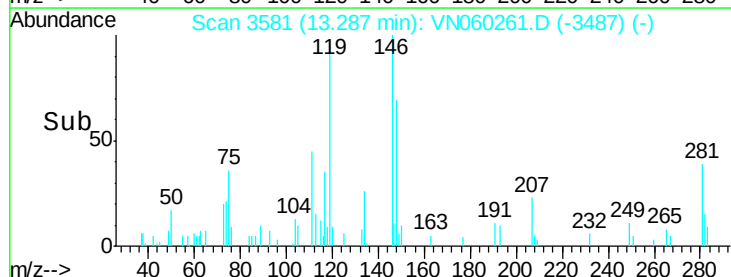
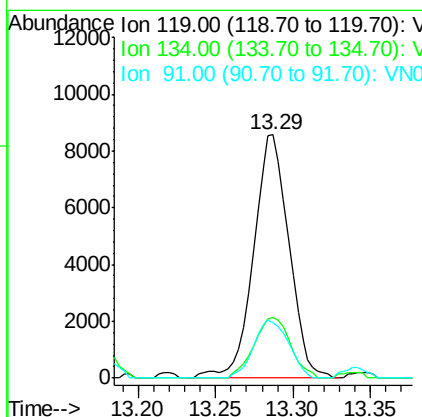
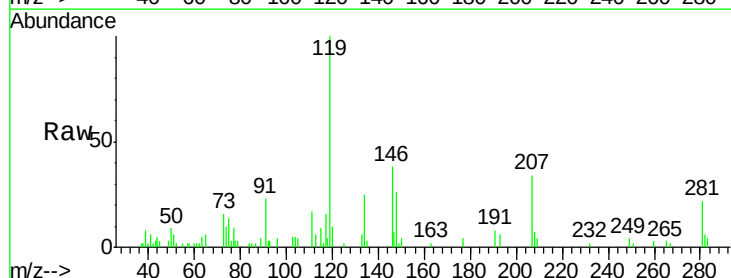
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

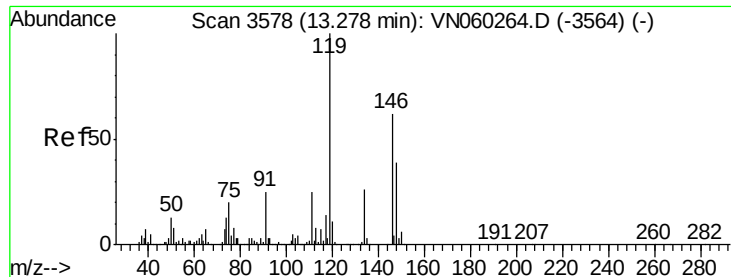
Tgt Ion:105 Resp: 15004
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 1.22 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN060261.D
 Acq: 27 Feb 2020 10:21

Tgt Ion:119 Resp: 13690
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.2 39.6
 91 23.4 12.2 36.6

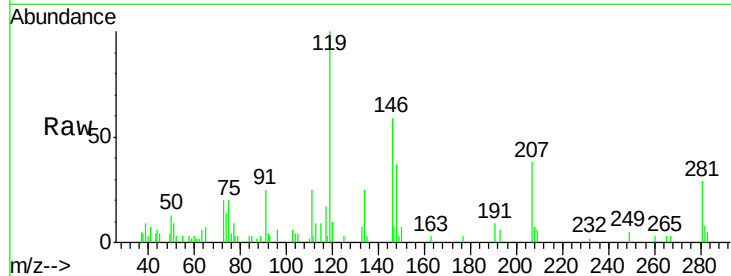




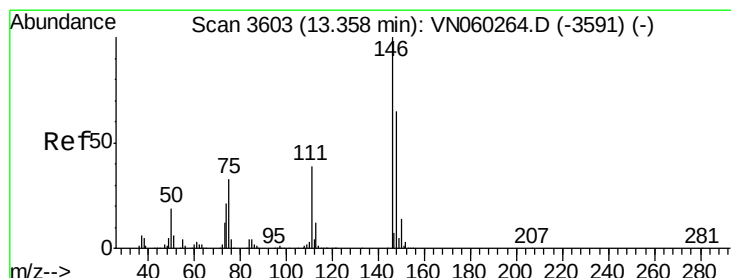
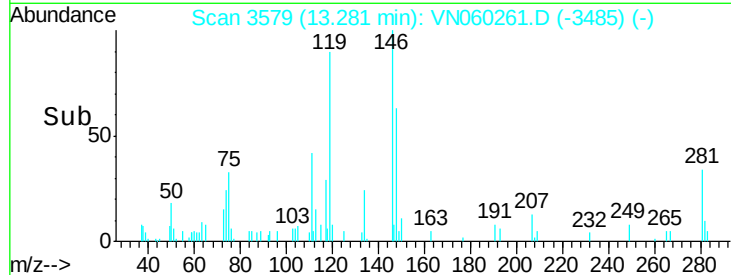
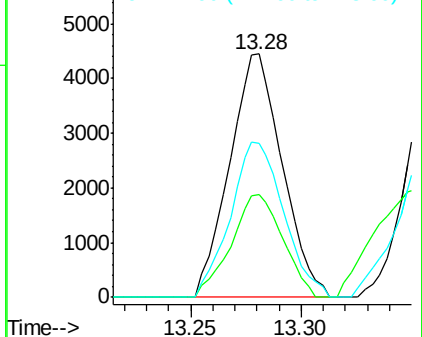
#87
 1,3-Dichlorobenzene
 Concen: 1.32 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN060261.D
 Acq: 27 Feb 2020 10:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion:146 Resp: 7347
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.0 59.9
 148 64.7 32.1 96.3

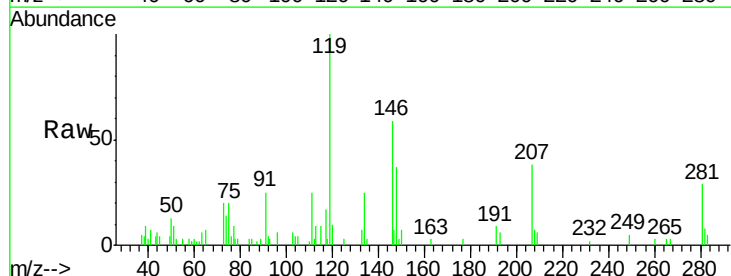


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

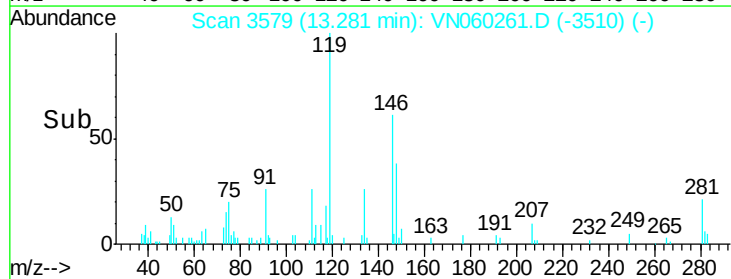
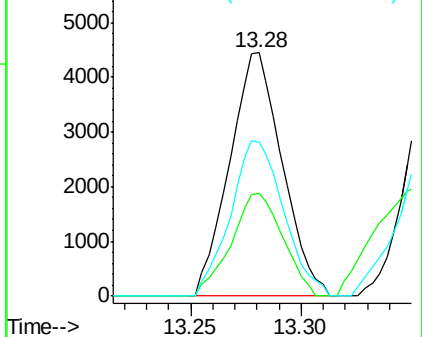


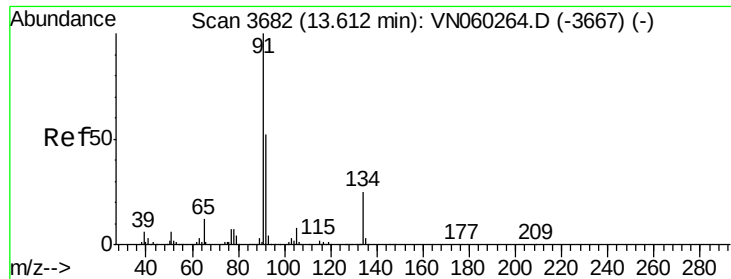
#88
 1,4-Dichlorobenzene
 Concen: 1.32 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN060261.D
 Acq: 27 Feb 2020 10:21

Tgt Ion:146 Resp: 7347
 Ion Ratio Lower Upper
 146 100
 111 41.3 19.8 59.4
 148 64.7 32.3 96.9



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





#89

n-Butylbenzene

Concen: 1.33 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

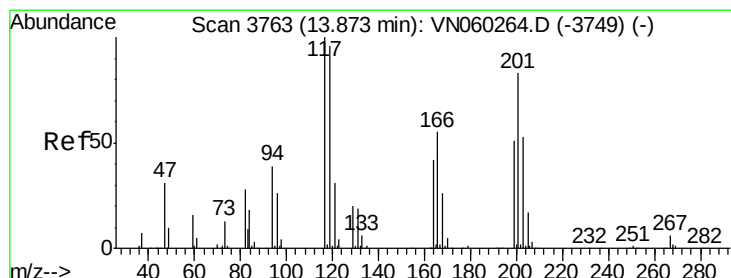
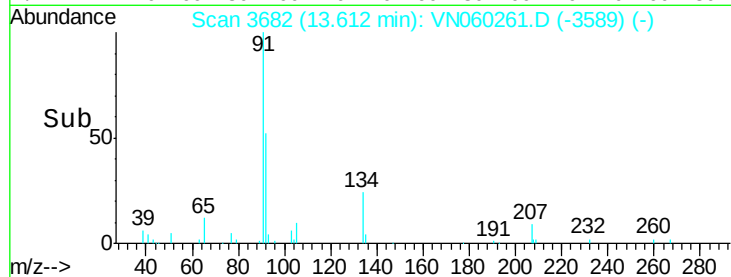
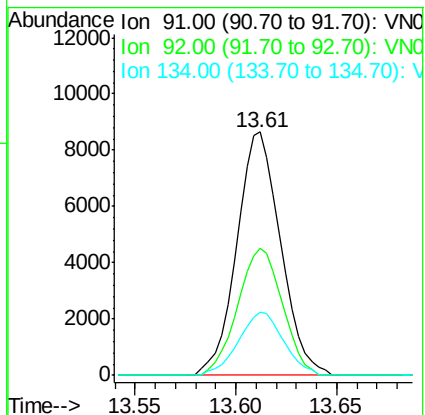
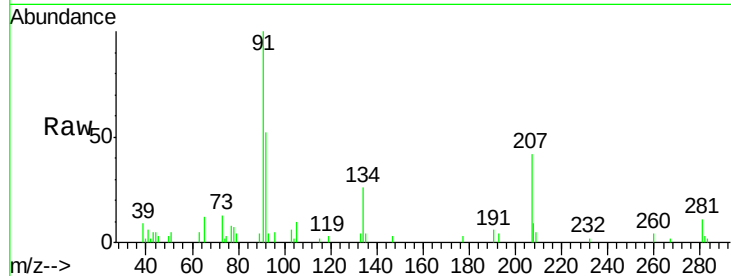
Tgt Ion: 91 Resp: 13167

Ion Ratio Lower Upper

91 100

92 52.9 26.0 78.0

134 26.5 12.7 38.1



#90

Hexachloroethane

Concen: 0.99 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN060261.D

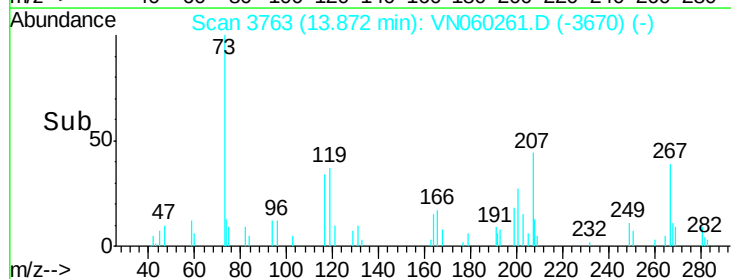
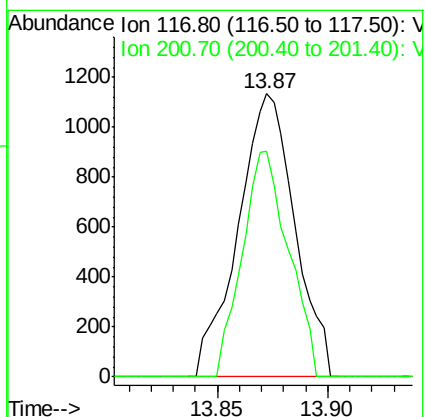
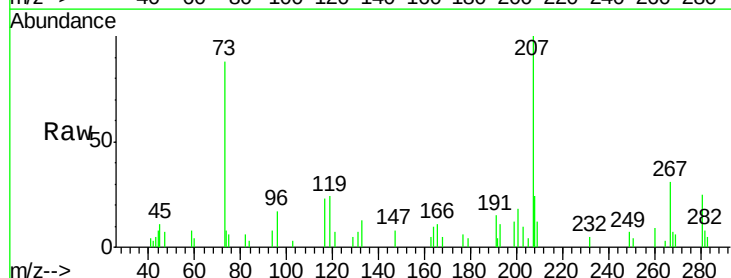
Acq: 27 Feb 2020 10:21

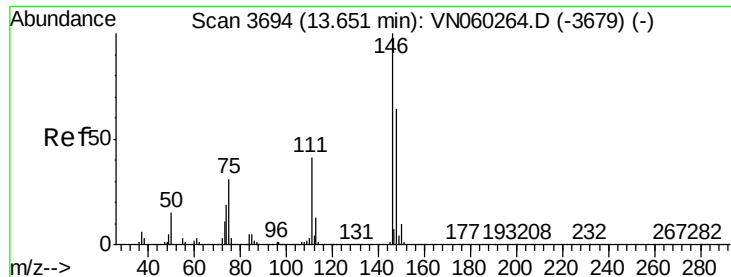
Tgt Ion: 117 Resp: 2021

Ion Ratio Lower Upper

117 100

201 64.9 41.0 123.0

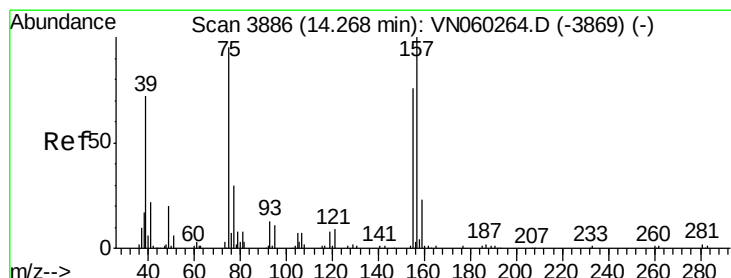
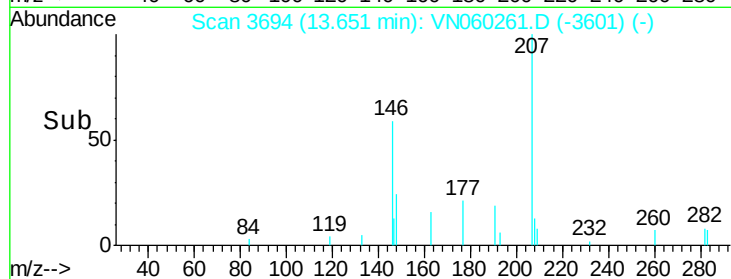
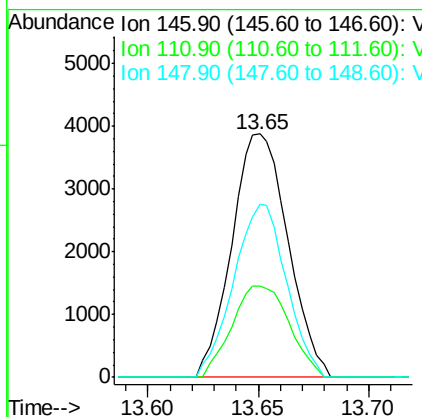
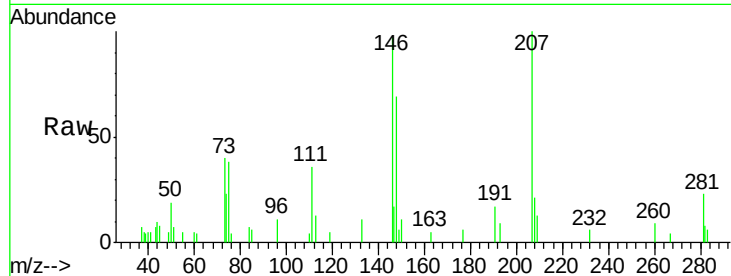




#91
 1,2-Dichlorobenzene
 Concen: 1.25 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN060261.D
 Acq: 27 Feb 2020 10:21

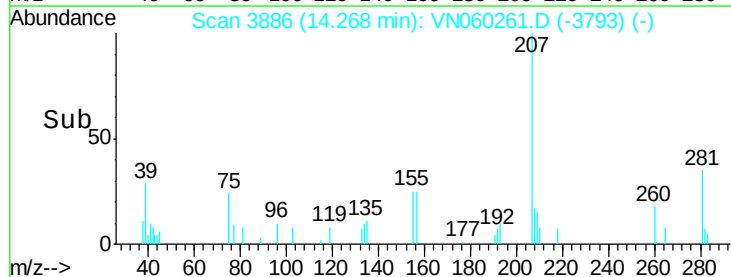
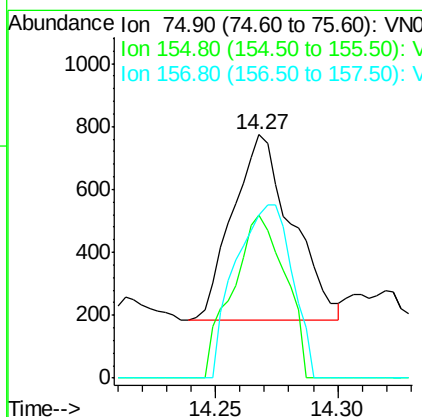
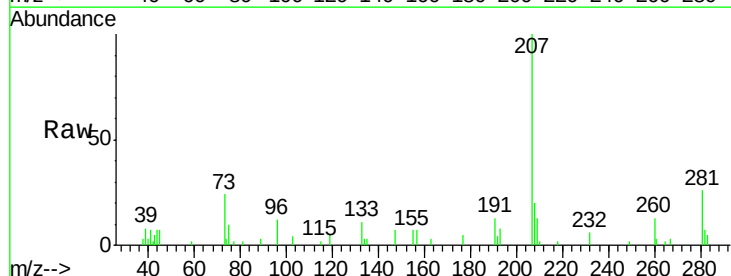
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

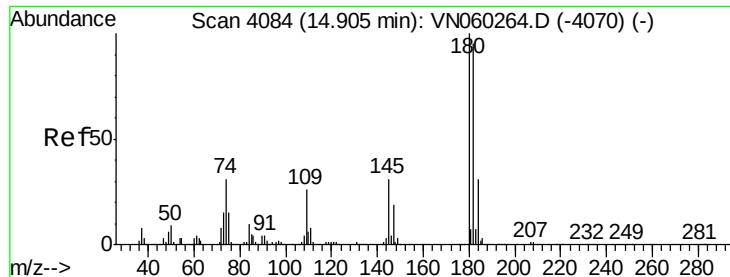
Tgt Ion: 146 Resp: 6840
 Ion Ratio Lower Upper
 146 100
 111 38.3 20.3 61.0
 148 66.9 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.18 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN060261.D
 Acq: 27 Feb 2020 10:21

Tgt Ion: 75 Resp: 990
 Ion Ratio Lower Upper
 75 100
 155 78.6 40.4 121.2
 157 90.2 52.5 157.5

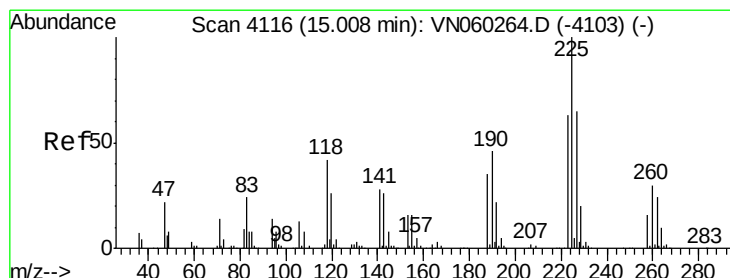
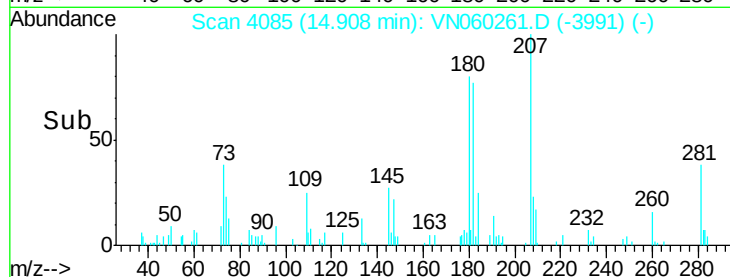
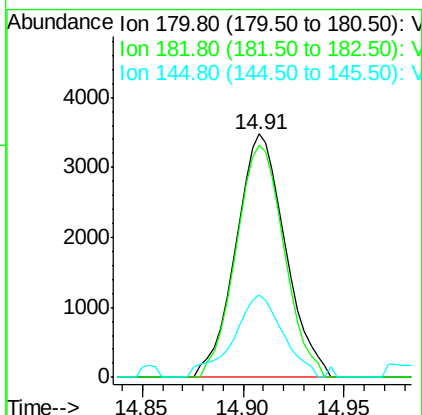
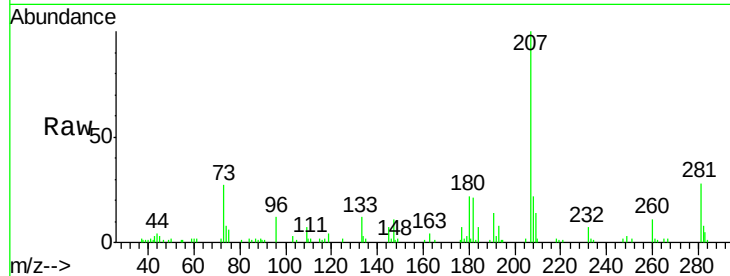




#93
 1,2,4-Trichlorobenzene
 Concen: 1.84 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060261.D
 Acq: 27 Feb 2020 10:21

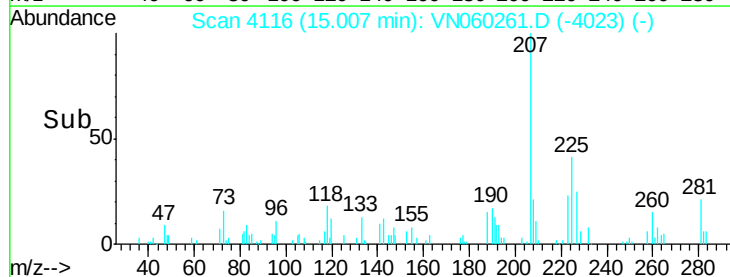
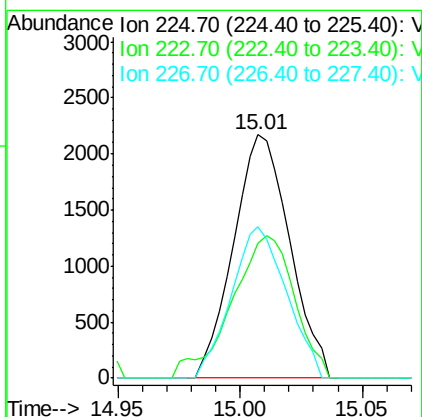
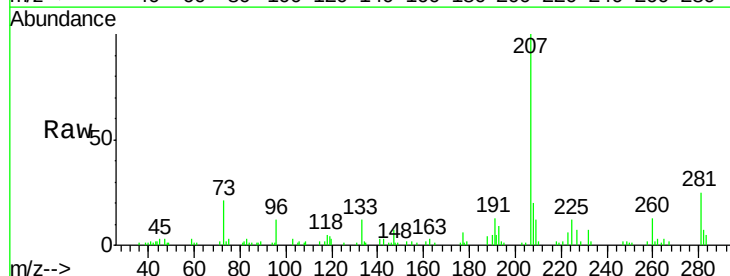
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

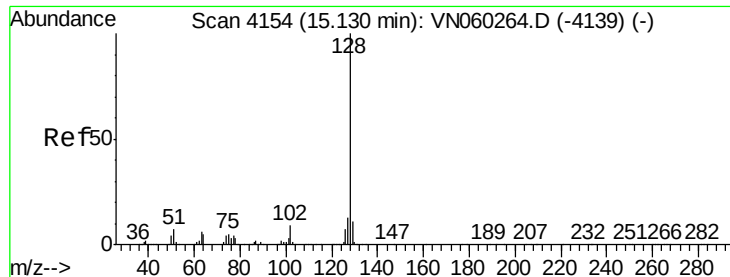
Tgt Ion:180 Resp: 5957
 Ion Ratio Lower Upper
 180 100
 182 92.8 47.8 143.3
 145 34.0 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 1.87 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060261.D
 Acq: 27 Feb 2020 10:21

Tgt Ion:225 Resp: 3463
 Ion Ratio Lower Upper
 225 100
 223 65.3 31.3 93.9
 227 60.9 32.3 96.9





#95

Naphthalene

Concen: 1.98 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

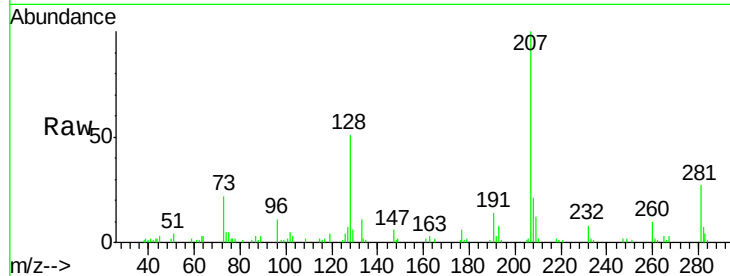
Tgt Ion:128 Resp: 17569

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

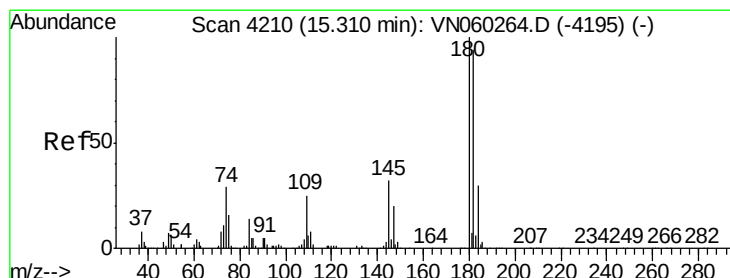
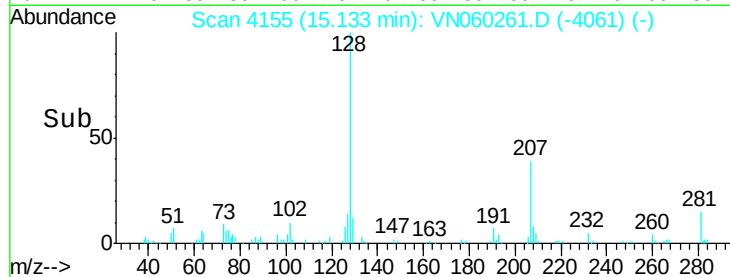
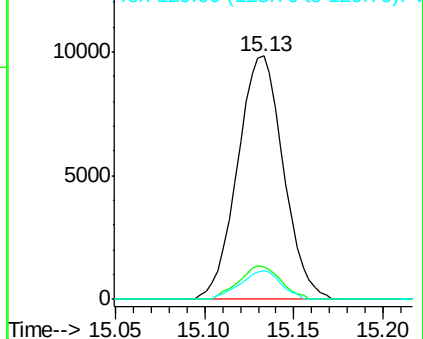
129 10.4 8.6 13.0



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: 1.95 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN060261.D

Acq: 27 Feb 2020 10:21

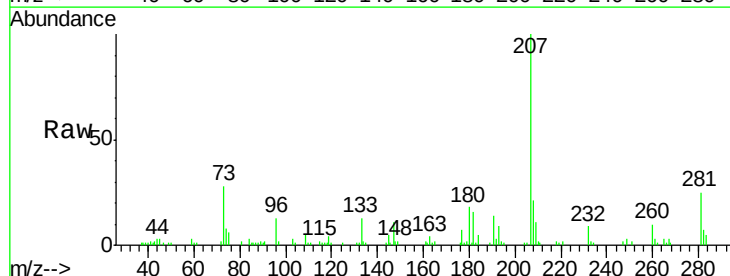
Tgt Ion:180 Resp: 6259

Ion Ratio Lower Upper

180 100

182 88.5 47.3 142.0

145 33.3 16.2 48.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

