

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022720\
 Data File : VN060268.D
 Acq On : 27 Feb 2020 13:23
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Feb 27 13:42:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 12:38:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	243650	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	394264	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	355895	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	162626	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	4527	1.45	ug/l	0.00
Spiked Amount			Recovery	=	2.90%	
35) Dibromofluoromethane	7.57	113	3127	1.71	ug/l	0.00
Spiked Amount			Recovery	=	3.42%	
50) Toluene-d8	10.08	98	13248	1.43	ug/l	0.00
Spiked Amount			Recovery	=	2.86%	
62) 4-Bromofluorobenzene	12.40	95	5883	1.68	ug/l	0.00
Spiked Amount			Recovery	=	3.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	2264	0.98	ug/l	85
3) Chloromethane	2.04	50	4591	1.14	ug/l	# 83
4) Vinyl Chloride	2.16	62	3580	1.06	ug/l	99
5) Bromomethane	2.55	94	1768	1.21	ug/l	96
6) Chloroethane	2.69	64	1895	1.04	ug/l	# 82
7) Trichlorofluoromethane	3.00	101	4562	1.07	ug/l	99
8) Diethyl Ether	3.39	74	1556	0.92	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	3.74	101	2497	1.01	ug/l	# 81
10) Methyl Iodide	3.93	142	2740	1.24	ug/l	# 79
11) Tert butyl alcohol	4.73	59	2352	5.07	ug/l	# 73
12) 1,1-Dichloroethene	3.71	96	3225	1.30	ug/l	87
13) Acrolein	3.58	56	1812	4.18	ug/l	# 63
14) Allyl chloride	4.30	41	4920	1.11	ug/l	98
15) Acrylonitrile	4.95	53	5390	4.26	ug/l	97
16) Acetone	3.79	43	5601	5.58	ug/l	# 82
17) Carbon Disulfide	4.03	76	10571	1.48	ug/l	100
18) Methyl Acetate	4.30	43	3627	1.04	ug/l	# 73
19) Methyl tert-butyl Ether	5.00	73	4496	0.52	ug/l	100
20) Methylene Chloride	4.53	84	3087	1.11	ug/l	88
21) trans-1,2-Dichloroethene	5.01	96	4177	1.50	ug/l	96
22) Diisopropyl ether	5.92	45	8424	0.94	ug/l	91
23) Vinyl Acetate	5.86	43	33160	4.72	ug/l	99
24) 1,1-Dichloroethane	5.82	63	4912	0.98	ug/l	# 84
25) 2-Butanone	6.80	43	7693	4.69	ug/l	98
26) 2,2-Dichloropropane	6.79	77	4655	1.02	ug/l	88
27) cis-1,2-Dichloroethene	6.80	96	3904	1.17	ug/l	78
28) Bromochloromethane	7.17	49	2117	1.03	ug/l	# 99
29) Tetrahydrofuran	7.18	42	5592	4.78	ug/l	98
30) Chloroform	7.35	83	5096	1.02	ug/l	89
31) Cyclohexane	7.63	56	9853	2.15	ug/l	# 45
32) 1,1,1-Trichloroethane	7.55	97	4337	0.97	ug/l	# 37
36) 1,1-Dichloropropene	7.78	75	4326	1.15	ug/l	96
37) Ethyl Acetate	6.90	43	3561	1.00	ug/l	# 78
38) Carbon Tetrachloride	7.75	117	3628	0.97	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	4990	1.13	ug/l	95
40) Benzene	8.02	78	11639	1.05	ug/l	98
41) Methacrylonitrile	7.14	41	1354	0.79	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	4109	1.02	ug/l	90
43) Isopropyl Acetate	8.14	43	6116	0.97	ug/l	96
44) Trichloroethene	8.82	130	3497	1.14	ug/l	89
45) 1,2-Dichloropropane	9.10	63	2688	0.91	ug/l	100
46) Dibromomethane	9.19	93	1905	1.01	ug/l	98
47) Bromodichloromethane	9.39	83	3749	0.98	ug/l	98
48) Methyl methacrylate	9.18	41	3138	1.10	ug/l #	85
49) 1,4-Dioxane	9.18	88	885	21.46	ug/l #	77
51) 4-Methyl-2-Pentanone	9.97	43	17013	4.76	ug/l	95
52) Toluene	10.14	92	7241	1.04	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	5093	1.10	ug/l #	81
54) cis-1,3-Dichloropropene	9.82	75	4971	1.01	ug/l	96
55) 1,1,2-Trichloroethane	10.55	97	3139	1.12	ug/l	86
56) Ethyl methacrylate	10.42	69	3537	0.88	ug/l #	89
57) 1,3-Dichloropropane	10.70	76	4577	0.99	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.68	63	9079	4.20	ug/l	97
59) 2-Hexanone	10.74	43	12486	4.71	ug/l	98
60) Dibromochloromethane	10.89	129	2678	0.95	ug/l	94
61) 1,2-Dibromoethane	11.00	107	2540	0.92	ug/l	96
64) Tetrachloroethene	10.62	164	3940	1.25	ug/l	93
65) Chlorobenzene	11.43	112	7981	1.10	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.50	131	2698	1.00	ug/l #	62
67) Ethyl Benzene	11.51	91	13915	1.05	ug/l	100
68) m/p-Xylenes	11.62	106	10717	2.18	ug/l	98
69) o-Xylene	11.94	106	4745	0.98	ug/l	97
70) Styrene	11.96	104	7758	0.99	ug/l	98
71) Bromoform	12.12	173	1620	0.83	ug/l #	99
73) Isopropylbenzene	12.25	105	13321	1.10	ug/l	100
74) N-amyl acetate	12.07	43	6004	1.14	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.50	83	3455	1.04	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	5610	1.52	ug/l #	100
77) Bromobenzene	12.52	156	3414	1.14	ug/l	99
78) n-propylbenzene	12.59	91	15892	1.11	ug/l	99
79) 2-Chlorotoluene	12.67	91	9395	1.12	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	11119	1.08	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	1337	1.03	ug/l #	79
82) 4-Chlorotoluene	12.77	91	10532	1.19	ug/l	98
83) tert-Butylbenzene	12.99	119	9768	1.10	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	11215	1.08	ug/l	98
85) sec-Butylbenzene	13.17	105	12801	1.06	ug/l	100
86) p-Isopropyltoluene	13.29	119	12984	1.19	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	7246	1.32	ug/l	92
88) 1,4-Dichlorobenzene	13.28	146	7246	1.32	ug/l	92
89) n-Butylbenzene	13.61	91	11856	1.17	ug/l	97
90) Hexachloroethane	13.87	117	1534	0.93	ug/l	74
91) 1,2-Dichlorobenzene	13.65	146	6192	1.18	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.26	75	892	1.19	ug/l	82

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QLast Update : Thu Feb 27 12:38:03 2020
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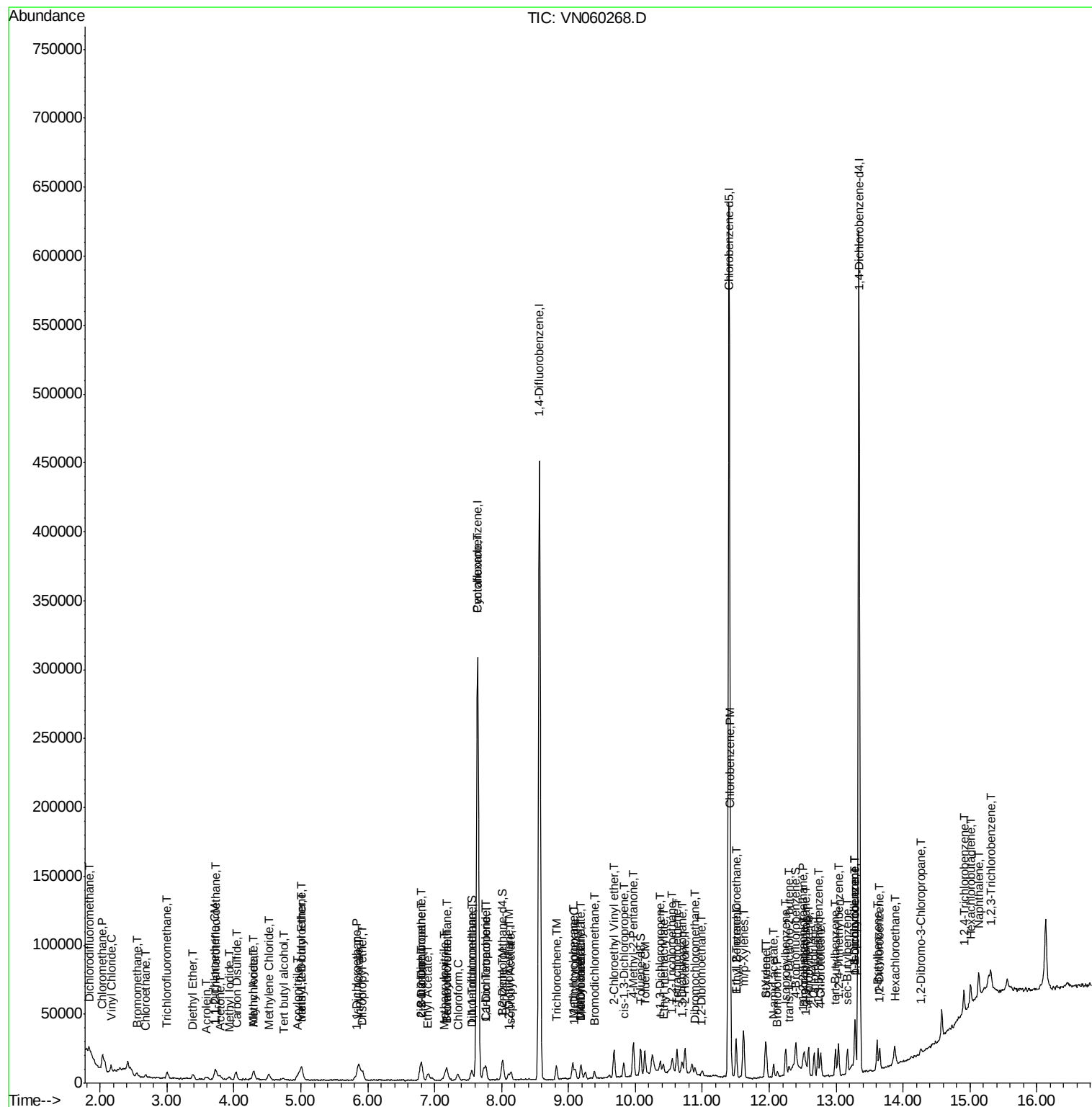
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	5341	1.43	ug/l	93
94) Hexachlorobutadiene	15.01	225	2599	1.40	ug/l	94
95) Naphthalene	15.13	128	14107	1.28	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	4891	1.35	ug/l	95

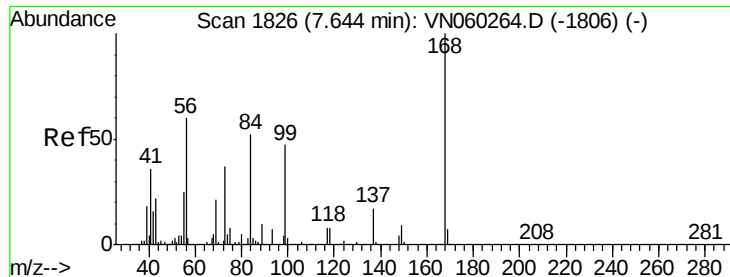
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN022720\
 Data File : VN060268.D
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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: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

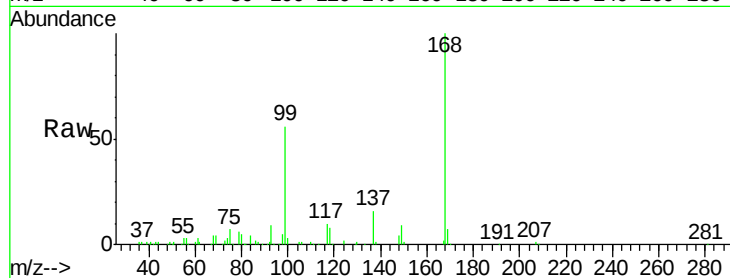
VSTDIC001

Tgt Ion:168 Resp: 243650

Ion Ratio Lower Upper

168 100

99 55.7 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

100000

80000

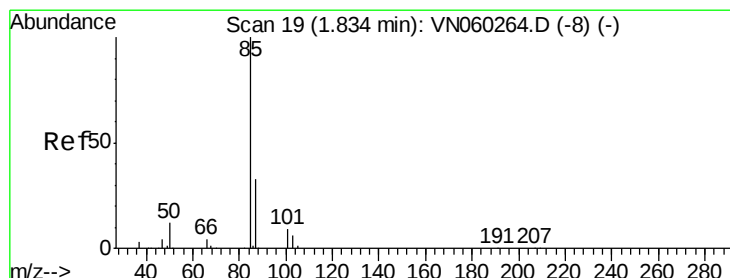
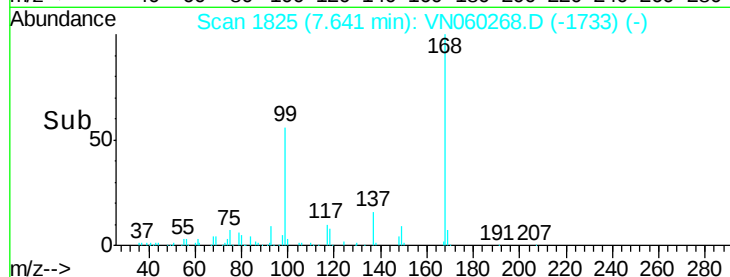
60000

40000

20000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 0.98 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060268.D

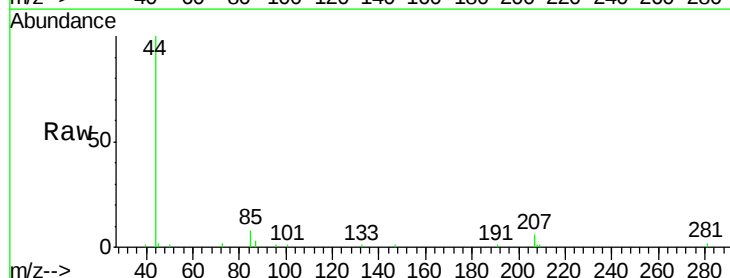
Acq: 27 Feb 2020 13:23

Tgt Ion: 85 Resp: 2264

Ion Ratio Lower Upper

85 100

87 40.9 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

2000

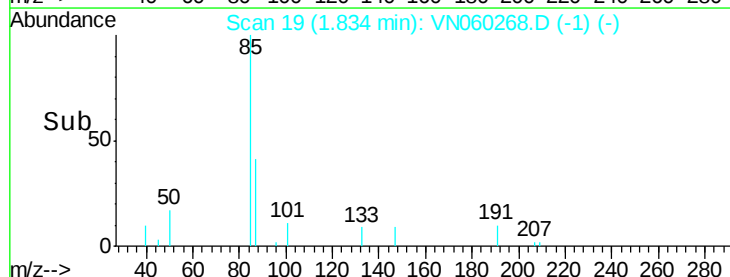
1500

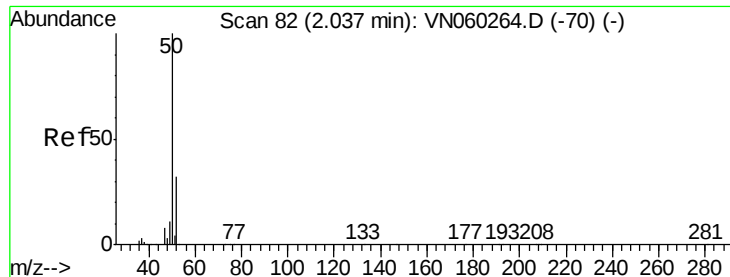
1000

500

0

Time--> 1.80 1.82 1.84 1.86





#3

Chloromethane

Concen: 1.14 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

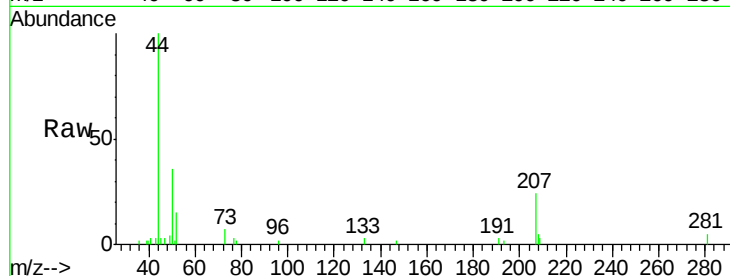
VSTDIC001

Tgt Ion: 50 Resp: 4591

Ion Ratio Lower Upper

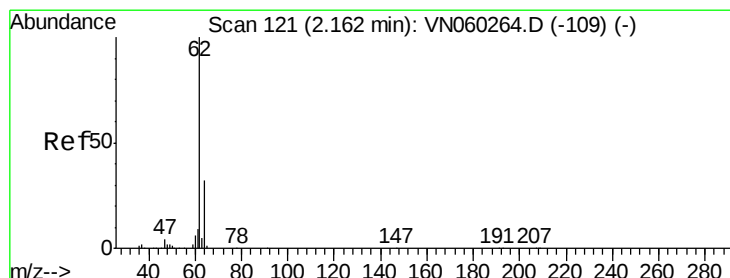
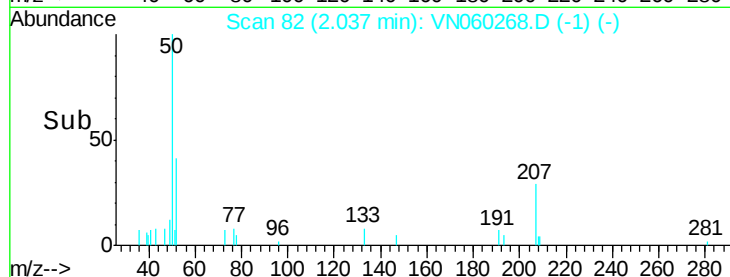
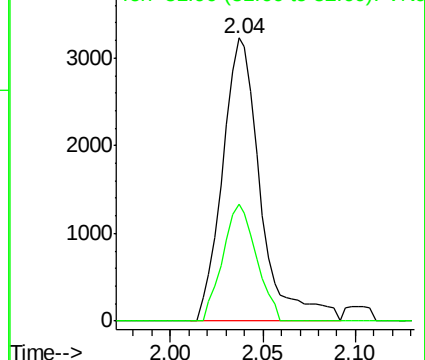
50 100

52 41.5 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: 1.06 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN060268.D

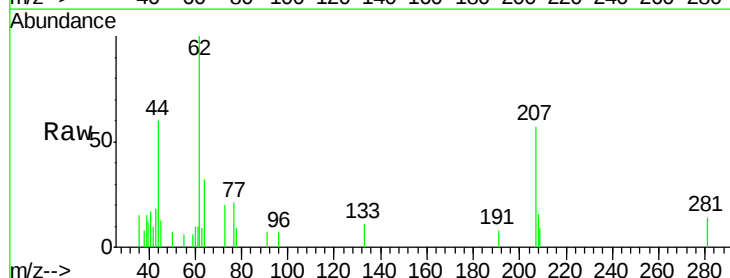
Acq: 27 Feb 2020 13:23

Tgt Ion: 62 Resp: 3580

Ion Ratio Lower Upper

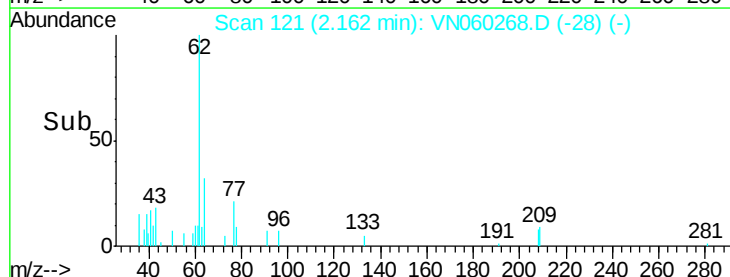
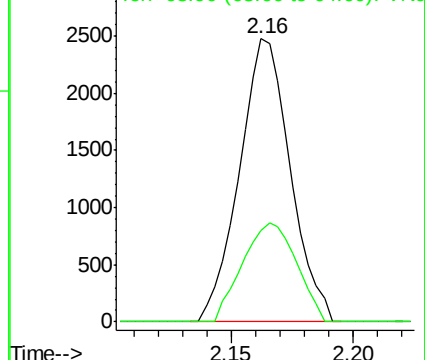
62 100

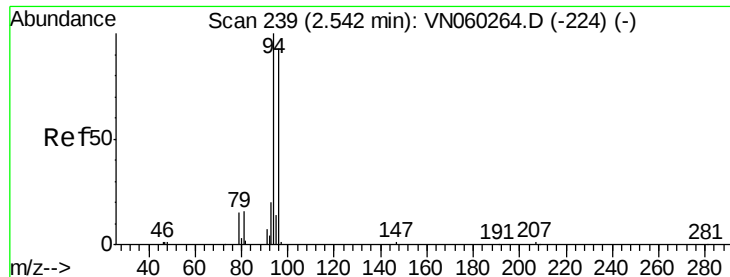
64 32.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 1.21 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

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ClientSampleId :

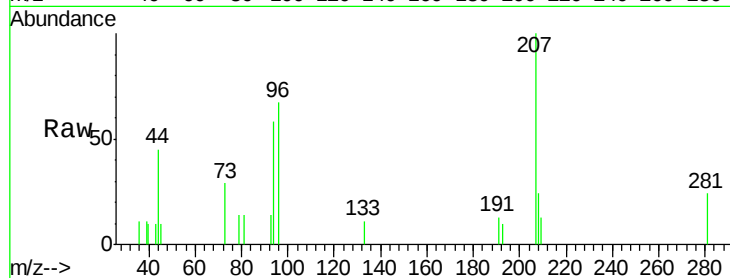
VSTDIC001

Tgt Ion: 94 Resp: 1768

Ion Ratio Lower Upper

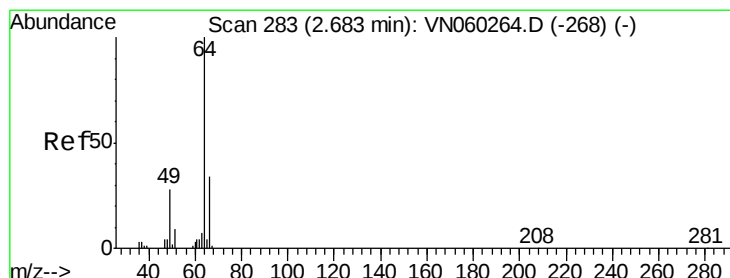
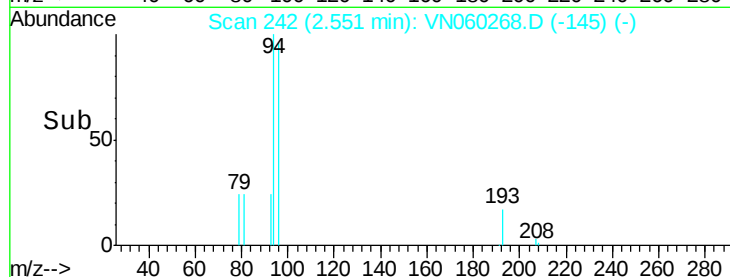
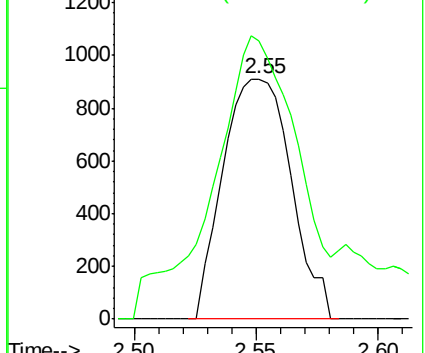
94 100

96 89.4 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: 1.04 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060268.D

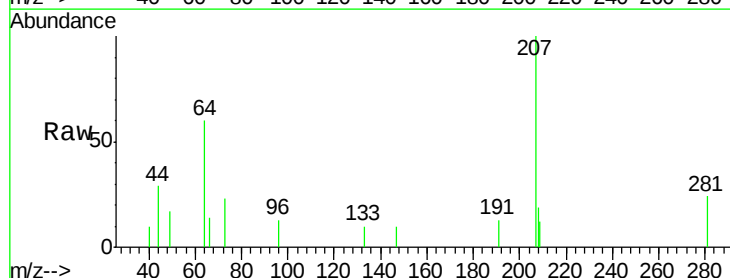
Acq: 27 Feb 2020 13:23

Tgt Ion: 64 Resp: 1895

Ion Ratio Lower Upper

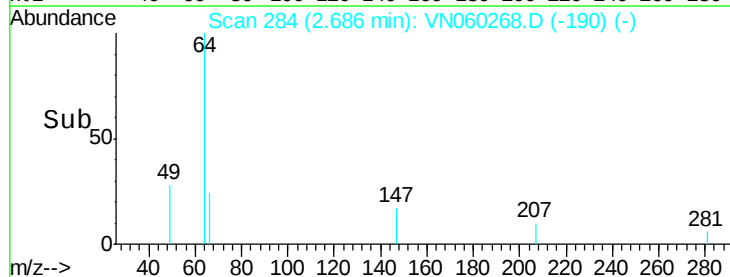
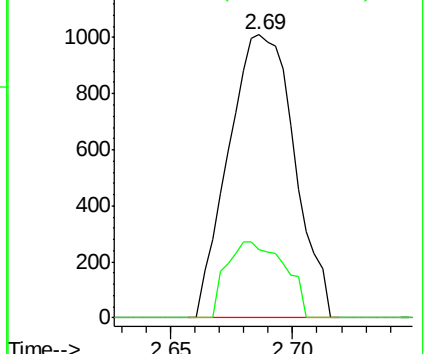
64 100

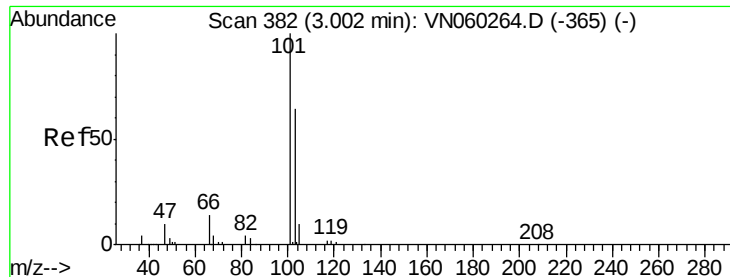
66 24.0 27.4 41.2#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



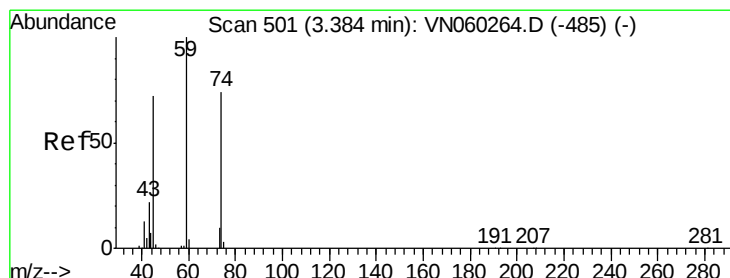
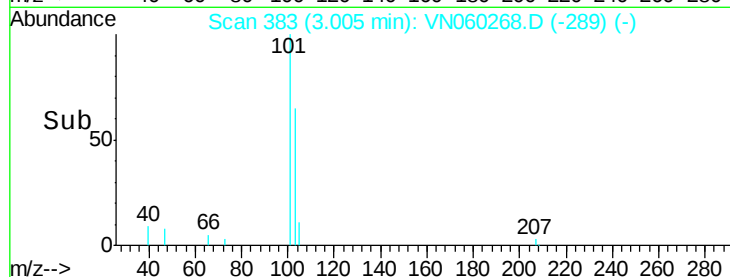
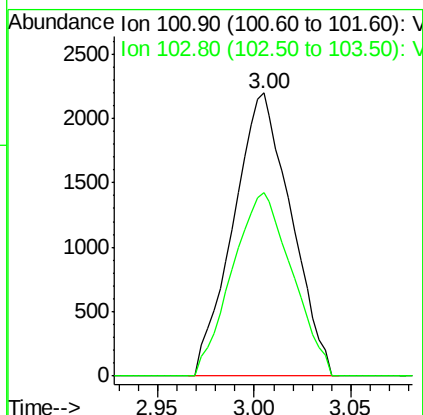
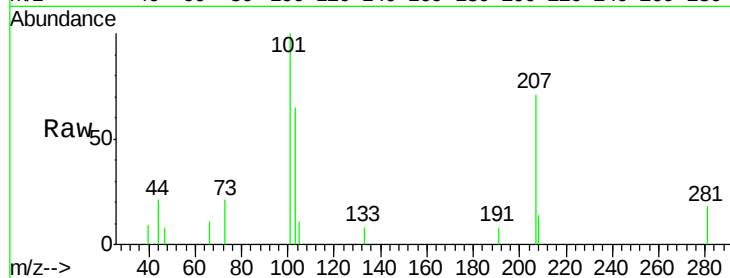


#7

Trichlorofluoromethane
 Concen: 1.07 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060268.D
 Acq: 27 Feb 2020 13:23

Instrument :
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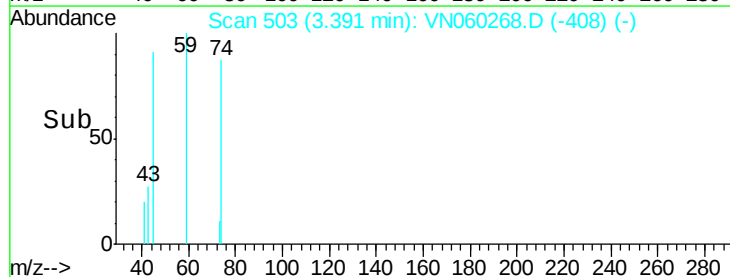
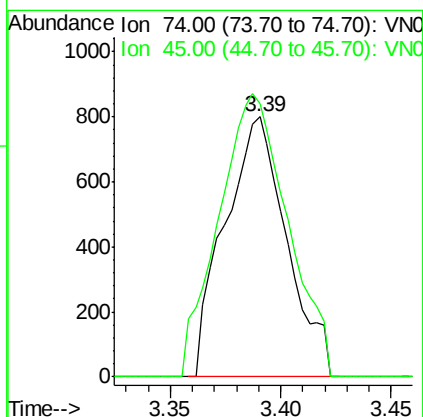
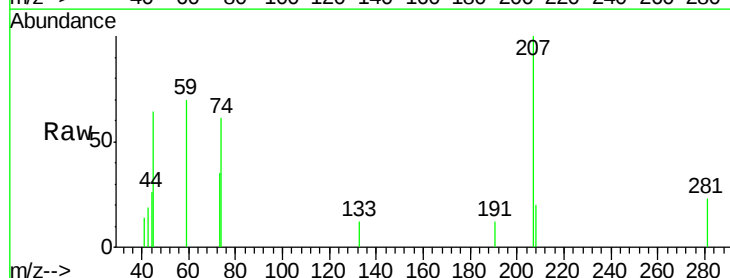
Tgt Ion: 101 Resp: 4562
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.3 76.9



#8

Diethyl Ether
 Concen: 0.92 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.01 min
 Lab File: VN060268.D
 Acq: 27 Feb 2020 13:23

Tgt Ion: 74 Resp: 1556
 Ion Ratio Lower Upper
 74 100
 45 121.7 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.01 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

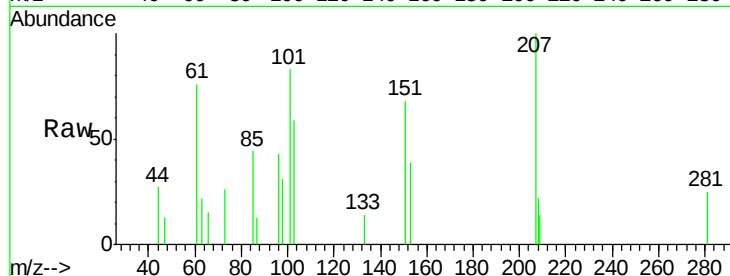
Tgt Ion:101 Resp: 2497

Ion Ratio Lower Upper

101 100

85 47.2 35.4 53.2

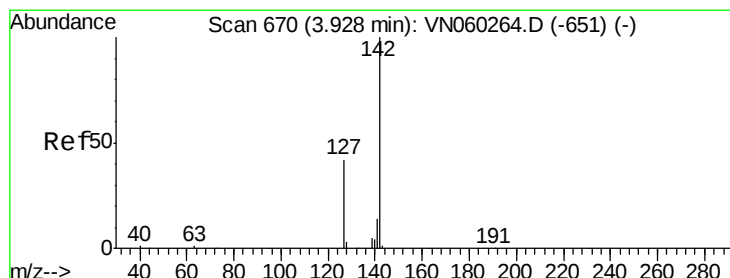
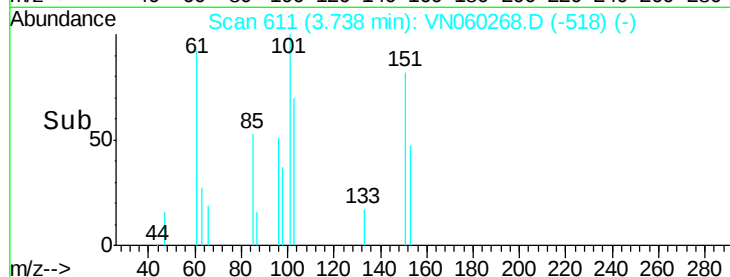
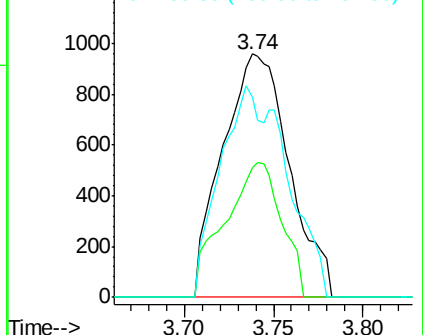
151 54.2 62.0 93.0#



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: 1.24 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

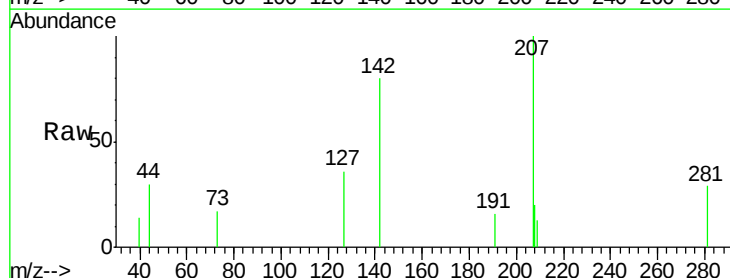
Tgt Ion:142 Resp: 2740

Ion Ratio Lower Upper

142 100

127 32.0 33.8 50.6#

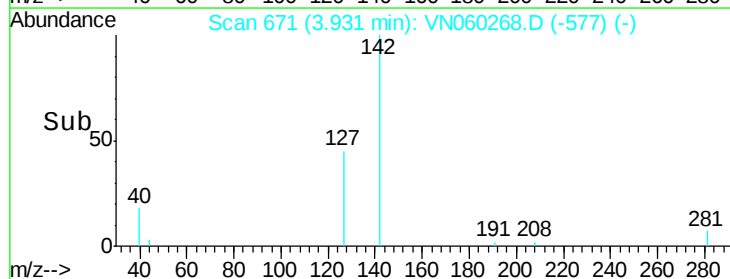
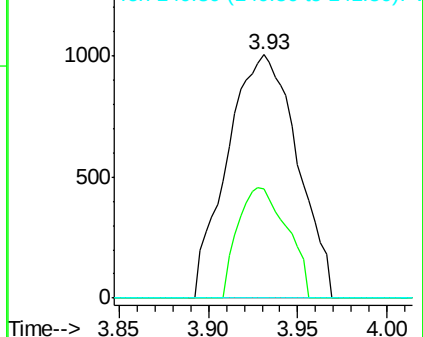
141 0.0 11.1 16.7#

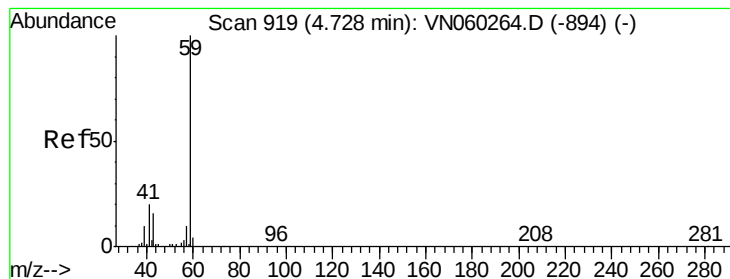


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



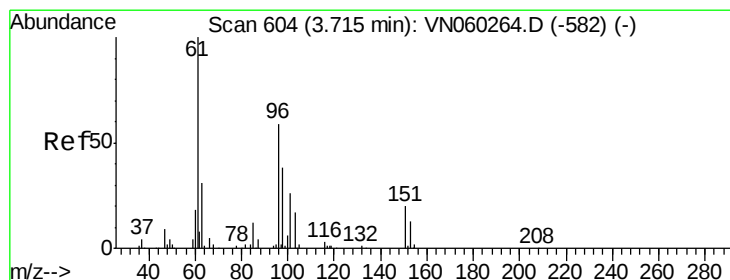
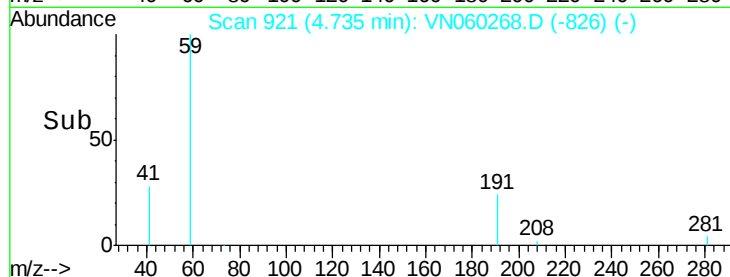
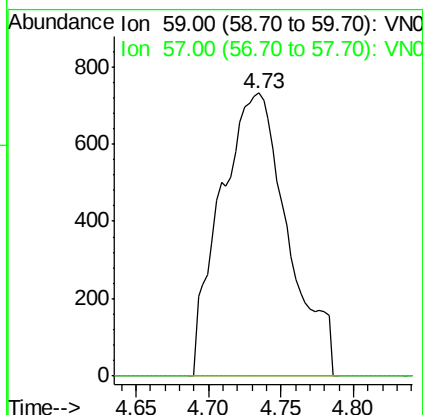
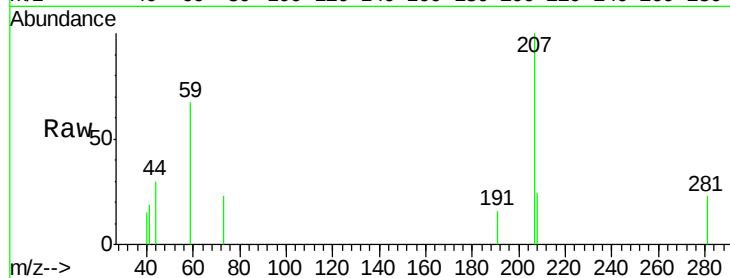


#11

Tert butyl alcohol
Concen: 5.07 ug/l
RT: 4.73 min Scan# 921
Delta R.T. 0.01 min
Lab File: VN060268.D
Acq: 27 Feb 2020 13:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

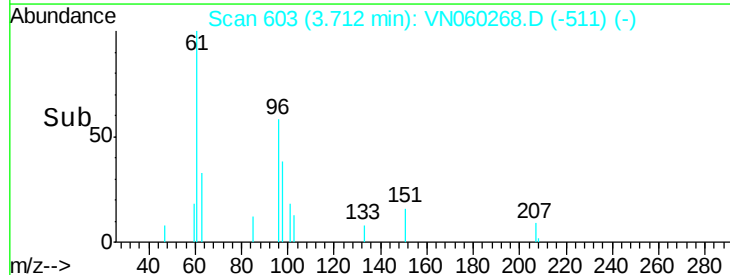
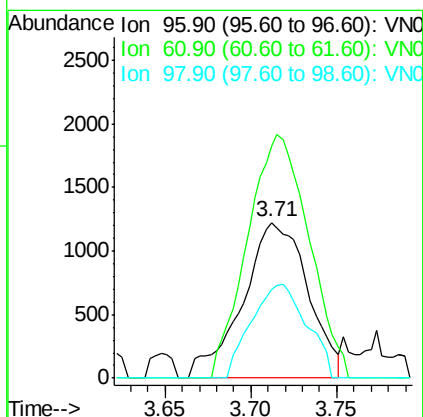
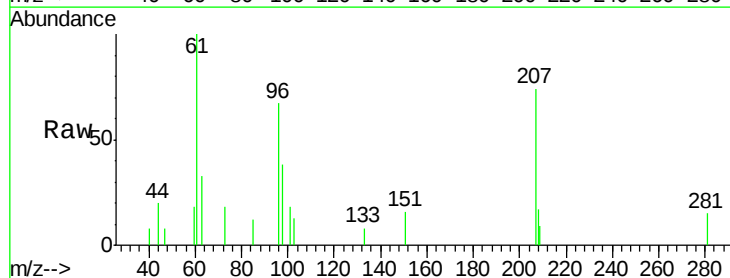
Tgt Ion: 59 Resp: 2352
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#12

1,1-Dichloroethene
Concen: 1.30 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060268.D
Acq: 27 Feb 2020 13:23

Tgt Ion: 96 Resp: 3225
Ion Ratio Lower Upper
96 100
61 149.6 135.4 203.0
98 57.1 51.6 77.4





#13

Acrolein

Concen: 4.18 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.01 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

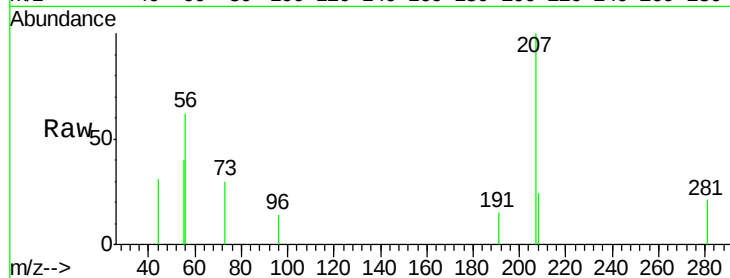
VSTDIC001

Tgt Ion: 56 Resp: 1812

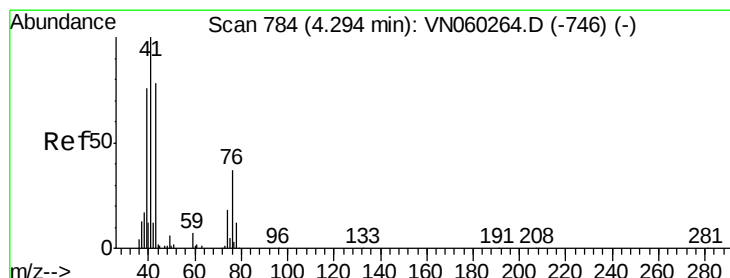
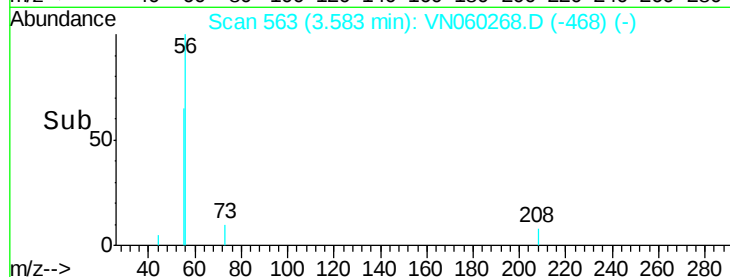
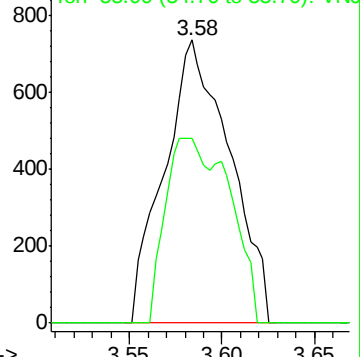
Ion Ratio Lower Upper

56 100

55 41.3 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VN060268.D (-545) (-)



#14

Allyl chloride

Concen: 1.11 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

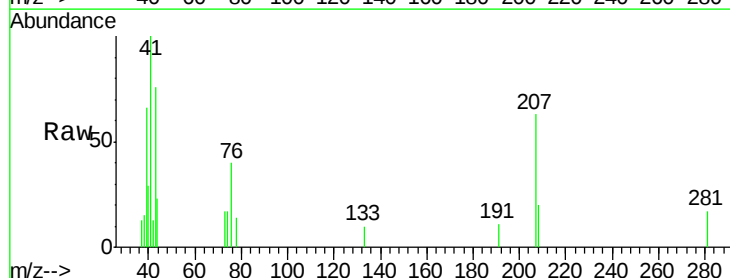
Tgt Ion: 41 Resp: 4920

Ion Ratio Lower Upper

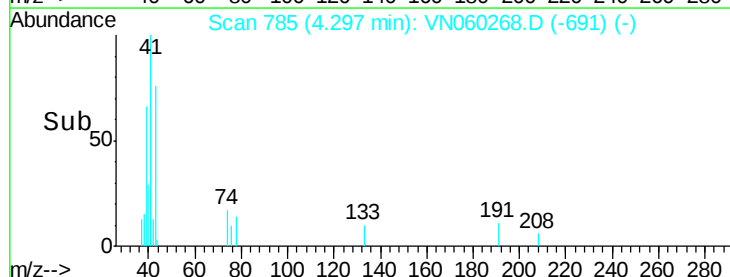
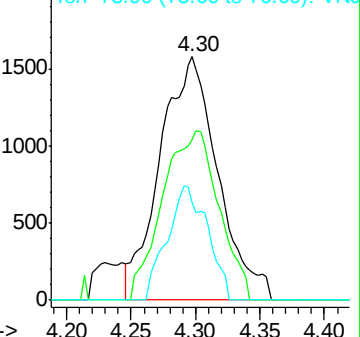
41 100

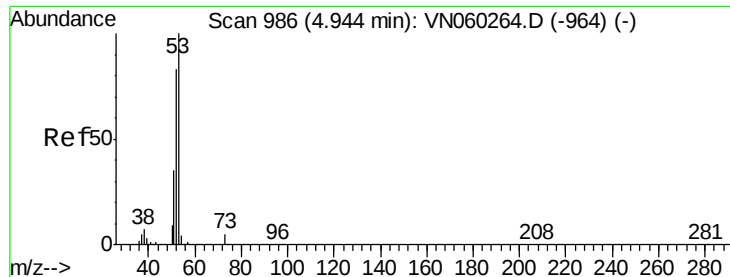
39 67.9 55.4 83.2

76 32.8 27.0 40.6



Abundance Ion 41.00 (40.70 to 41.70): VN060268.D (-691) (-)





#15

Acrylonitrile

Concen: 4.26 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

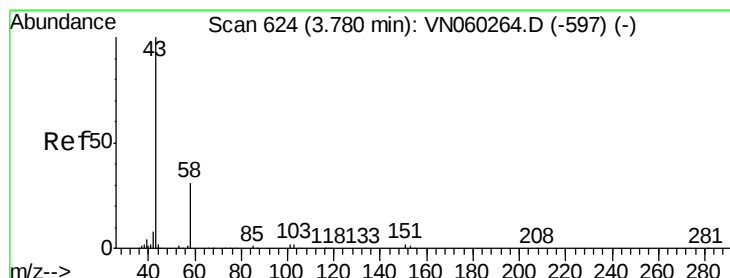
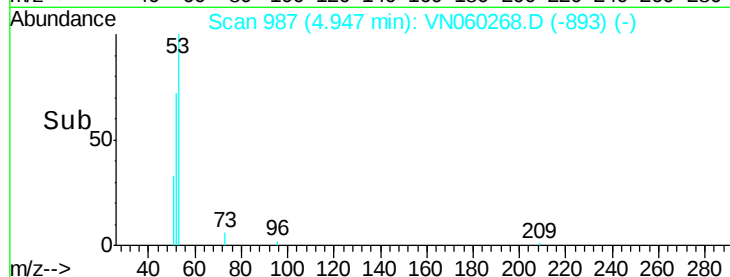
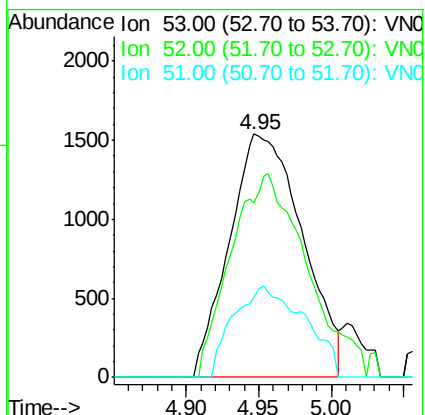
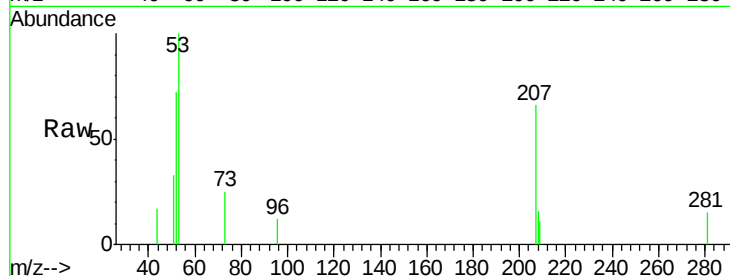
Tgt Ion: 53 Resp: 5390

Ion Ratio Lower Upper

53 100

52 87.2 66.8 100.2

51 36.3 29.0 43.6



#16

Acetone

Concen: 5.58 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060268.D

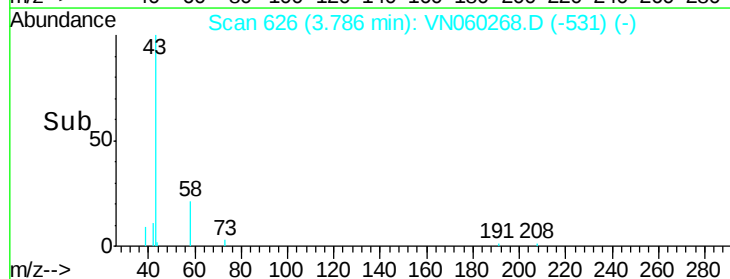
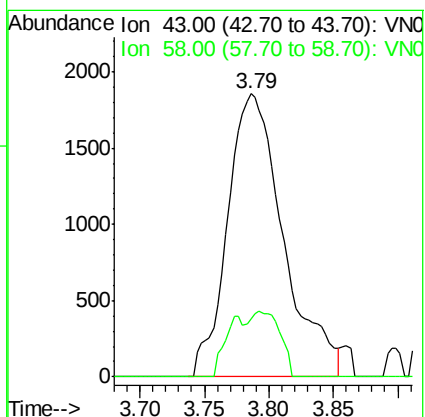
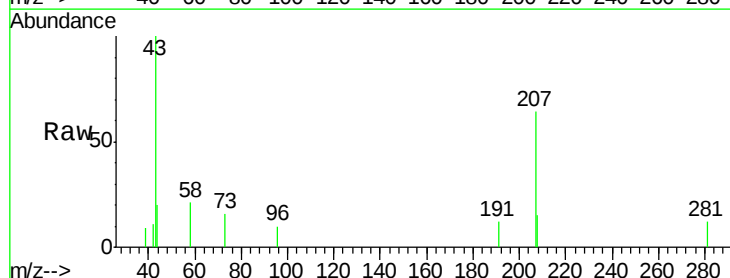
Acq: 27 Feb 2020 13:23

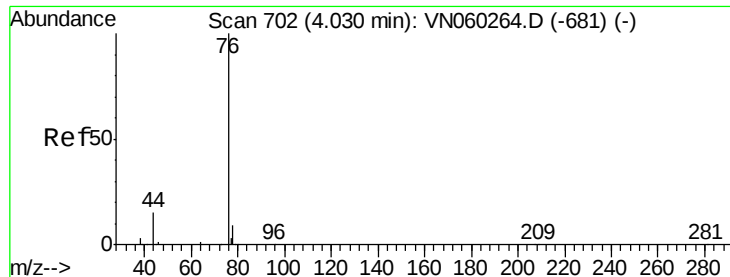
Tgt Ion: 43 Resp: 5601

Ion Ratio Lower Upper

43 100

58 20.6 24.6 36.8#





#17

Carbon Disulfide

Concen: 1.48 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

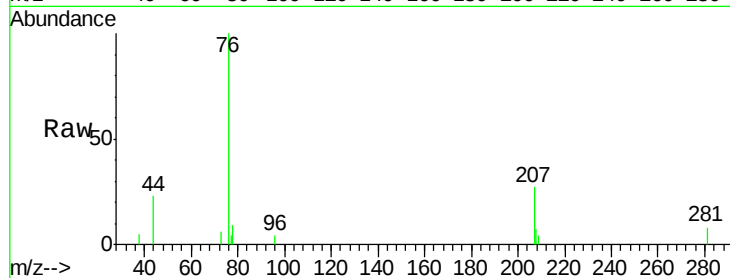
VSTDIC001

Tgt Ion: 76 Resp: 10571

Ion Ratio Lower Upper

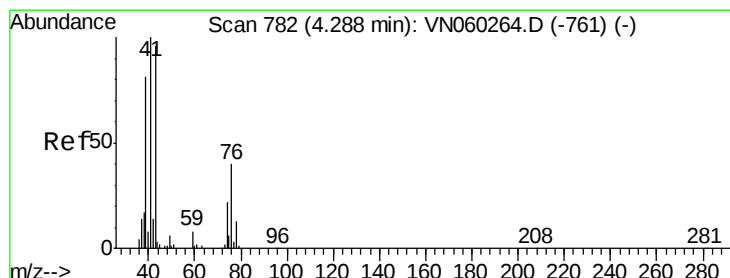
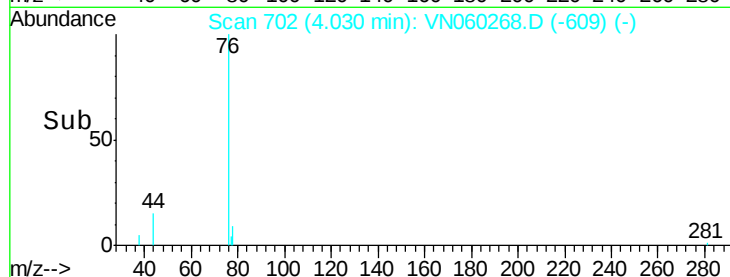
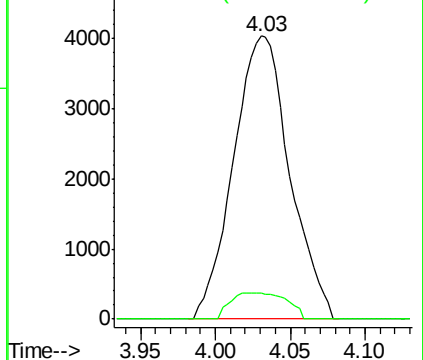
76 100

78 9.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 1.04 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.01 min

Lab File: VN060268.D

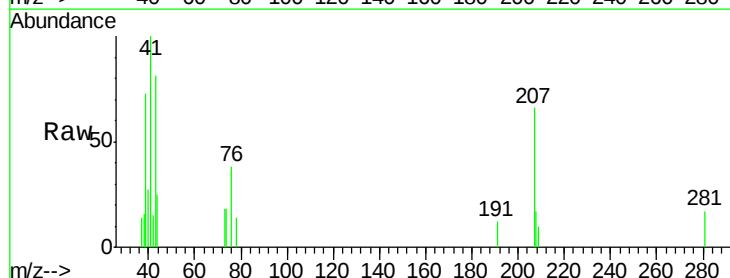
Acq: 27 Feb 2020 13:23

Tgt Ion: 43 Resp: 3627

Ion Ratio Lower Upper

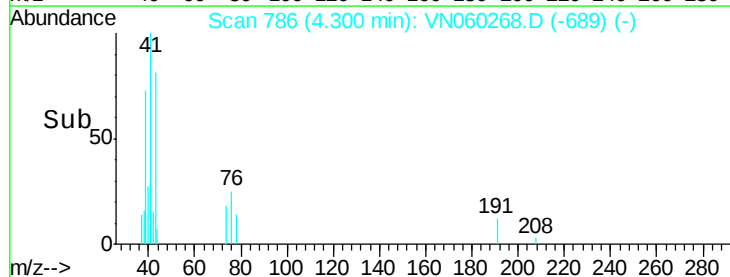
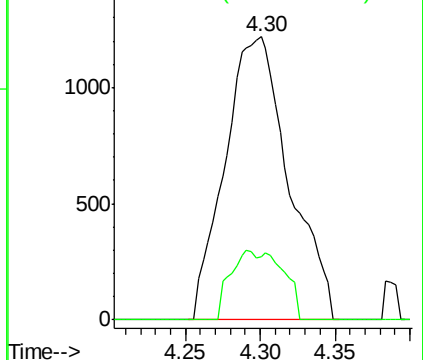
43 100

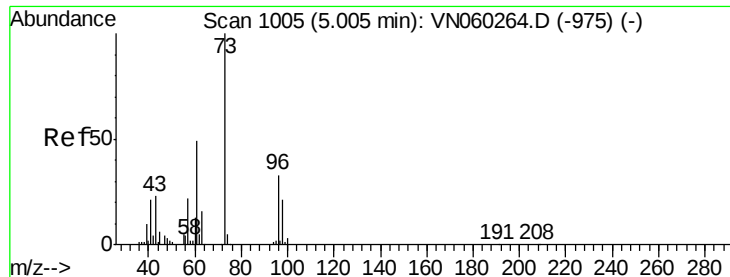
74 10.2 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

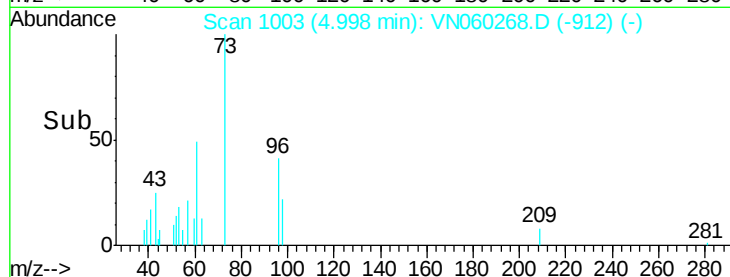
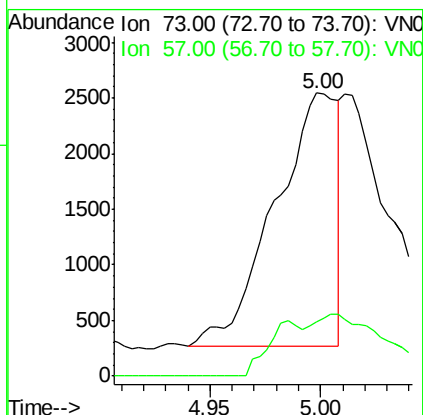
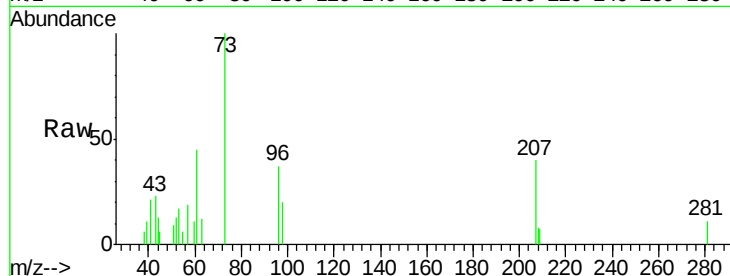




#19
Methyl tert-butyl Ether
Concen: 0.52 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060268.D
Acq: 27 Feb 2020 13:23

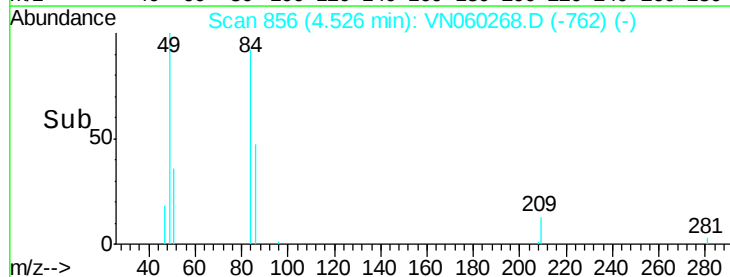
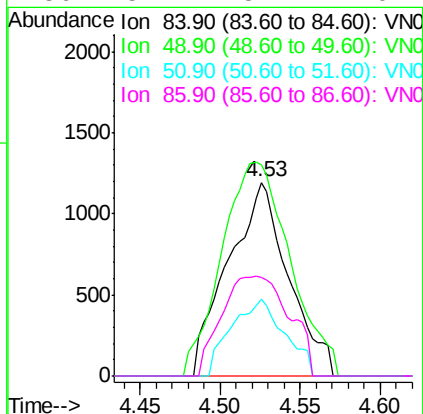
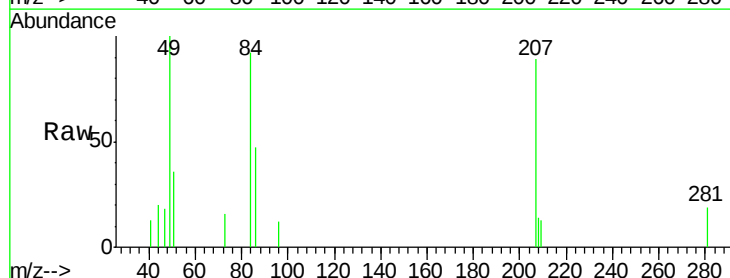
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

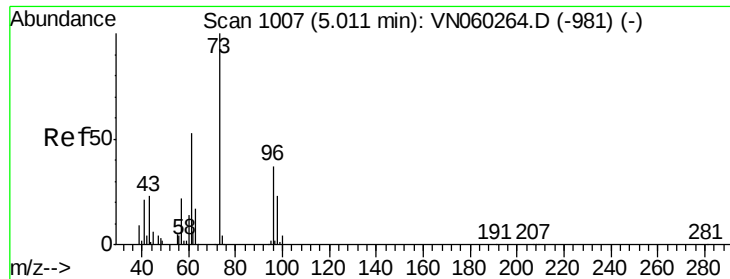
Tgt Ion: 73 Resp: 4496
Ion Ratio Lower Upper
73 100
57 21.7 17.3 25.9



#20
Methylene Chloride
Concen: 1.11 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060268.D
Acq: 27 Feb 2020 13:23

Tgt Ion: 84 Resp: 3087
Ion Ratio Lower Upper
84 100
49 109.1 99.3 148.9
51 39.5 30.1 45.1
86 51.2 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 1.50 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

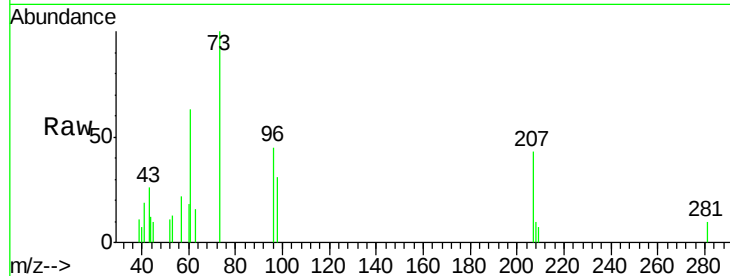
Tgt Ion: 96 Resp: 4177

Ion Ratio Lower Upper

96 100

61 139.6 113.8 170.8

98 68.2 48.8 73.2

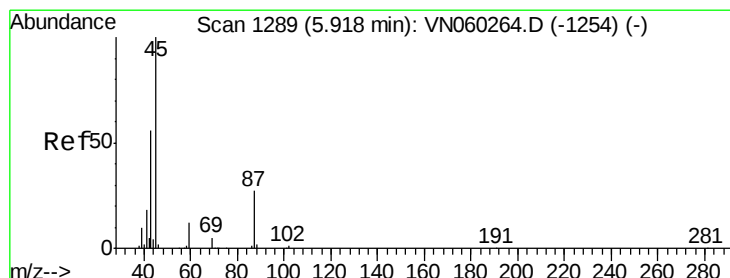
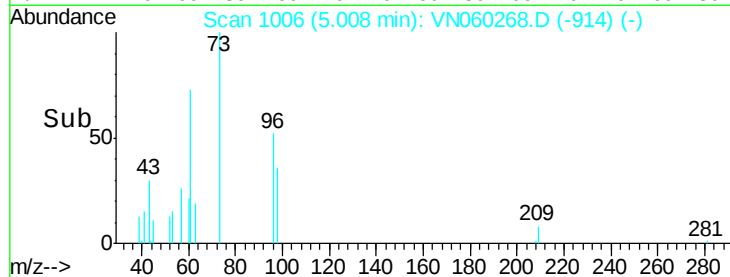
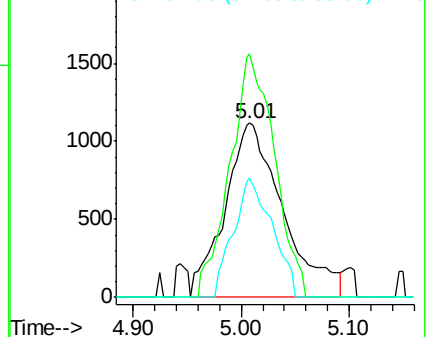


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 0.94 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Tgt Ion: 45 Resp: 8424

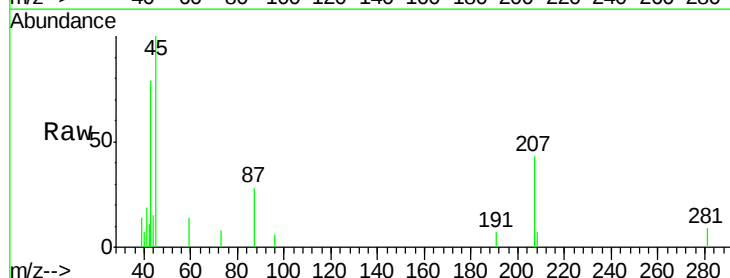
Ion Ratio Lower Upper

45 100

43 70.3 48.6 72.8

87 28.4 22.2 33.2

59 14.3 9.5 14.3



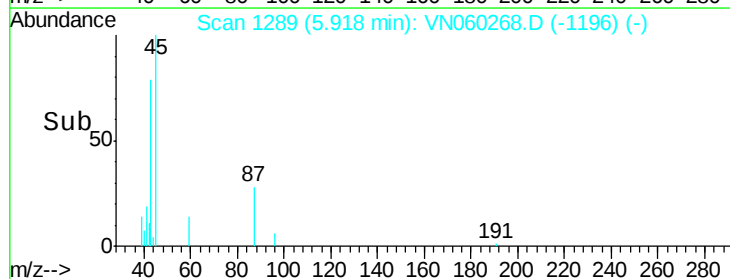
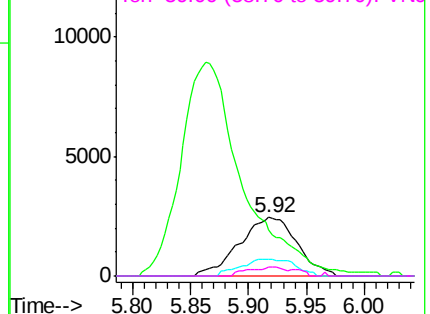
Abundance

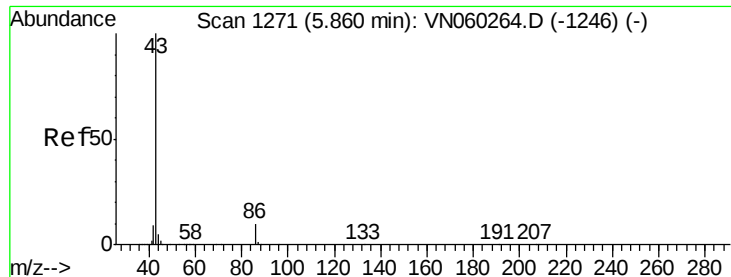
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 4.72 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

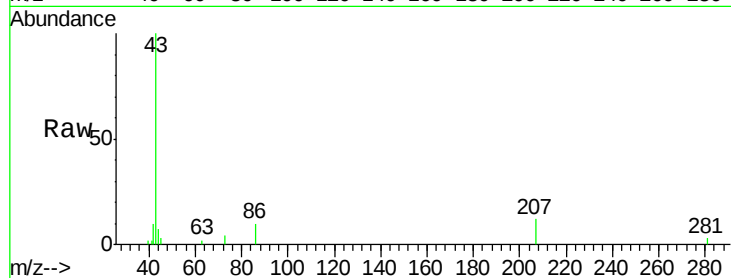
VSTDIC001

Tgt Ion: 43 Resp: 33160

Ion Ratio Lower Upper

43 100

86 9.5 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

10000

8000

6000

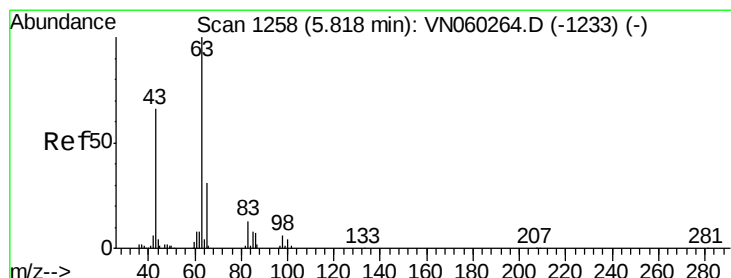
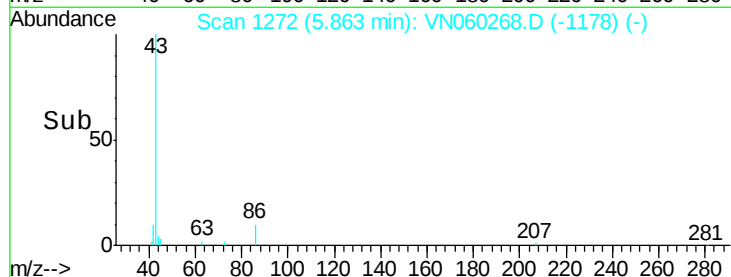
4000

2000

0

Time-->

5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 0.98 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

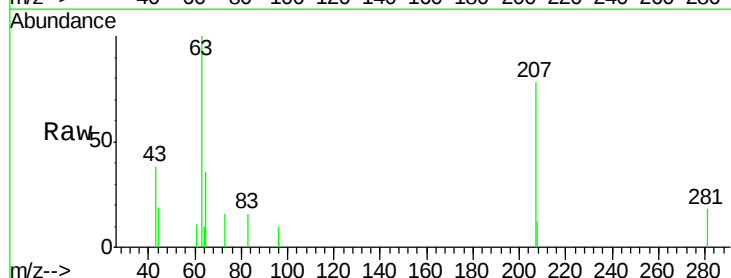
Tgt Ion: 63 Resp: 4912

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): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

2000

1500

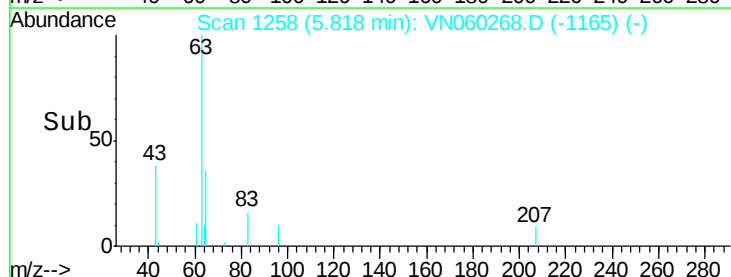
1000

500

0

Time-->

5.75 5.80 5.85 5.90





#25

2-Butanone

Concen: 4.69 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampled :

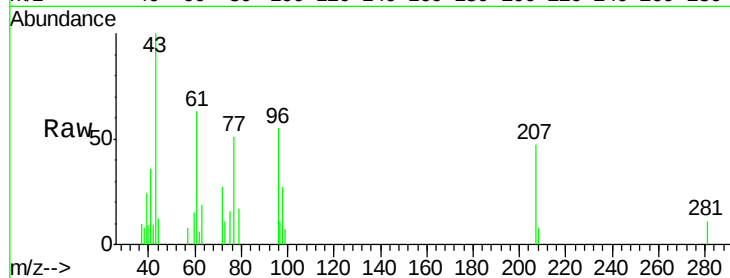
VSTDIC001

Tgt Ion: 43 Resp: 7693

Ion Ratio Lower Upper

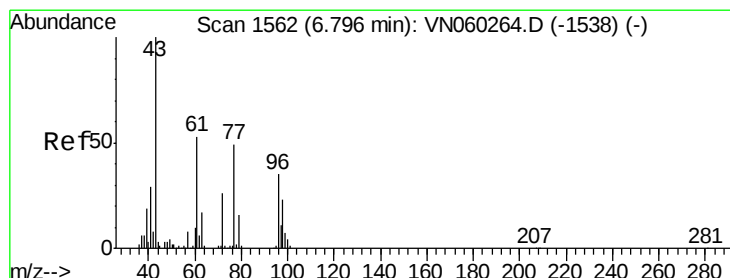
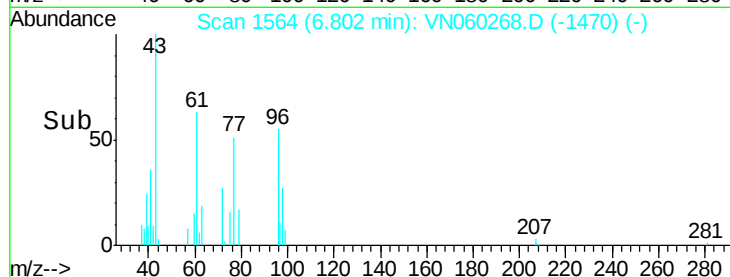
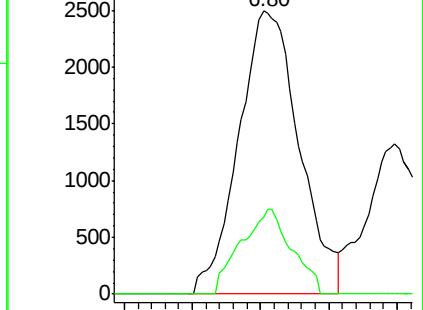
43 100

72 27.2 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN060268.D (-1540) (-)

Ion 72.00 (71.70 to 72.70): VN060268.D (-1540) (-)



#26

2,2-Dichloropropane

Concen: 1.02 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060268.D

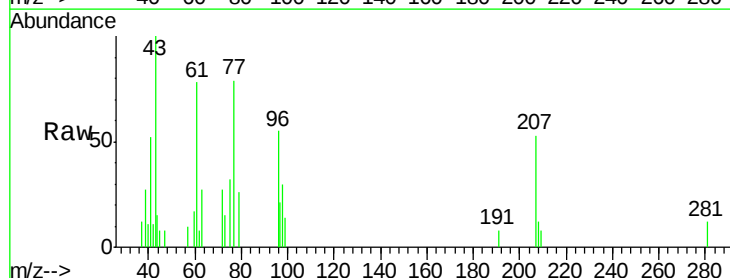
Acq: 27 Feb 2020 13:23

Tgt Ion: 77 Resp: 4655

Ion Ratio Lower Upper

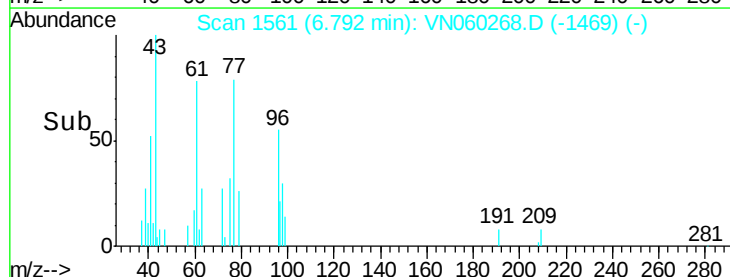
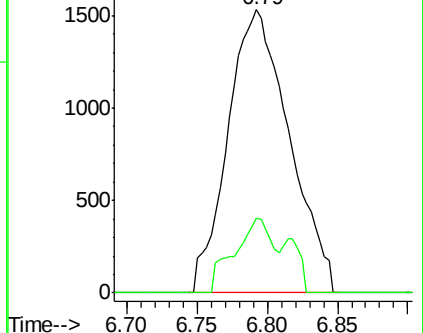
77 100

97 16.6 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VN060268.D (-1469) (-)

Ion 96.90 (96.60 to 97.60): VN060268.D (-1469) (-)





#27

cis-1,2-Dichloroethene

Concen: 1.17 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

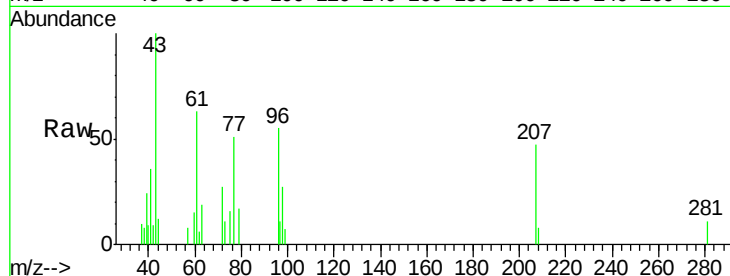
Tgt Ion: 96 Resp: 3904

Ion Ratio Lower Upper

96 100

61 123.8 0.0 300.8

98 46.1 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN060268.D (-1469) (-)

Ion 60.90 (60.60 to 61.60): VN060268.D (-1469) (-)

Ion 97.90 (97.60 to 98.60): VN060268.D (-1469) (-)

6.80

1500

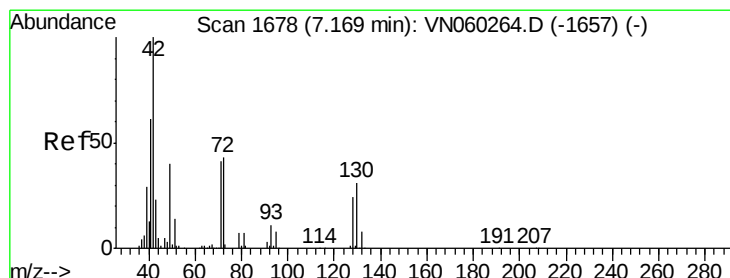
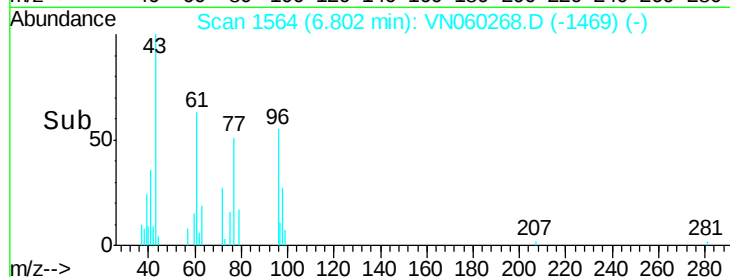
1000

500

0

6.70 6.75 6.80 6.85 6.90

Time-->



#28

Bromochloromethane

Concen: 1.03 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

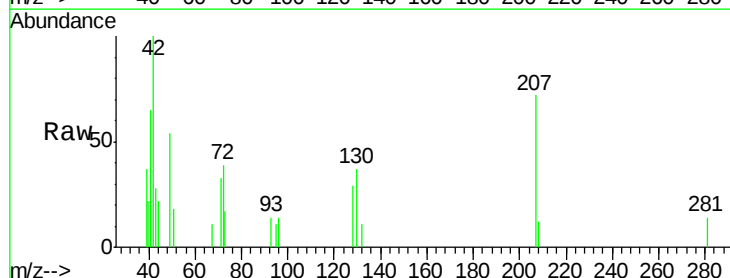
Tgt Ion: 49 Resp: 2117

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 76.0 59.8 89.8



Abundance Ion 48.90 (48.60 to 49.60): VN060268.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN060268.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN060268.D (-1585) (-)

7.17

1000

800

600

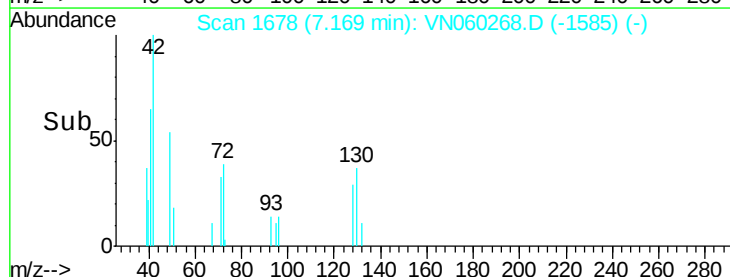
400

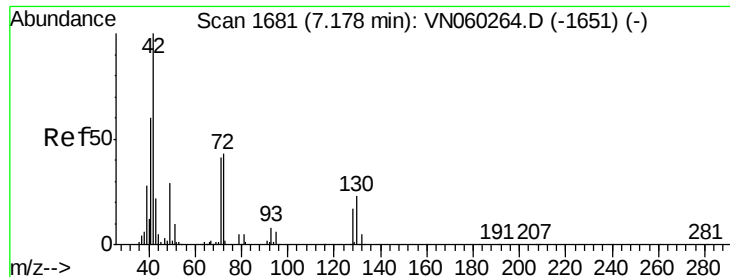
200

0

7.10 7.15 7.20

Time-->





#29

Tetrahydrofuran

Concen: 4.78 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

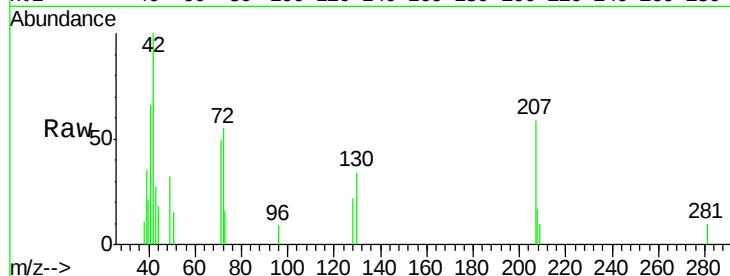
Tgt Ion: 42 Resp: 5592

Ion Ratio Lower Upper

42 100

72 44.3 34.6 52.0

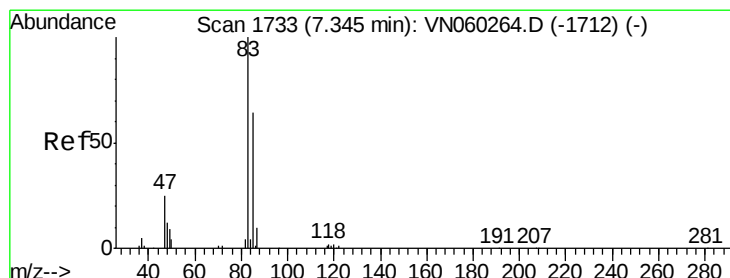
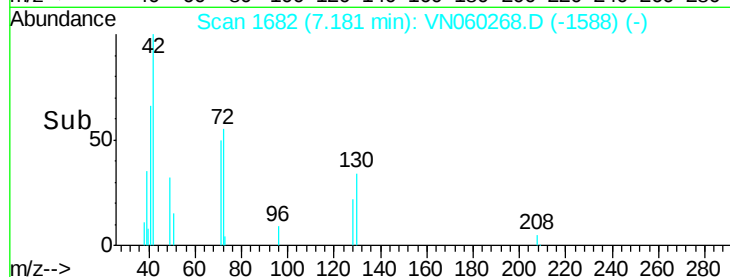
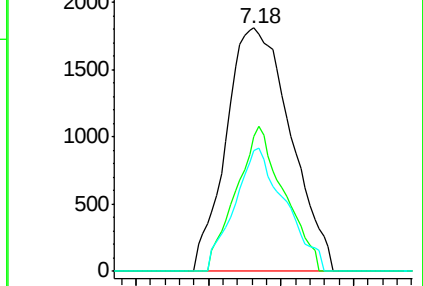
71 39.7 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VN060268.D (-1651) (-)

Ion 72.00 (71.70 to 72.70): VN060268.D (-1651) (-)

Ion 71.00 (70.70 to 71.70): VN060268.D (-1651) (-)



#30

Chloroform

Concen: 1.02 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. 0.00 min

Lab File: VN060268.D

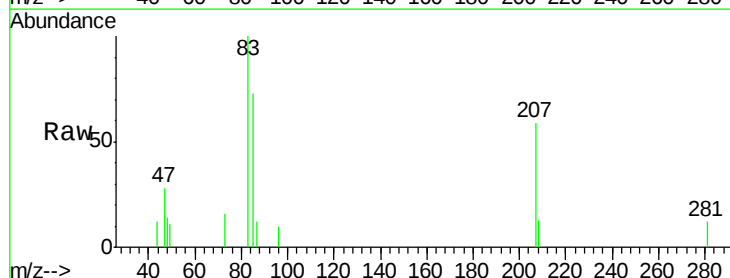
Acq: 27 Feb 2020 13:23

Tgt Ion: 83 Resp: 5096

Ion Ratio Lower Upper

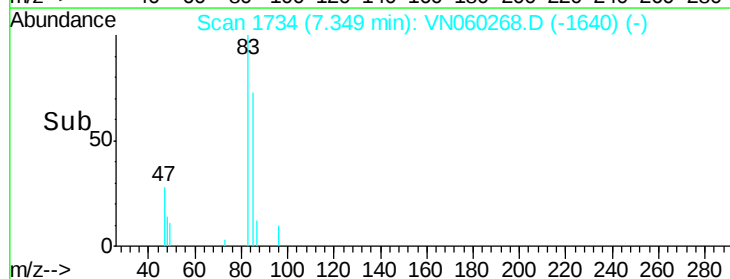
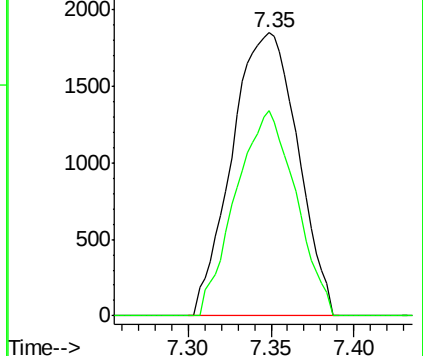
83 100

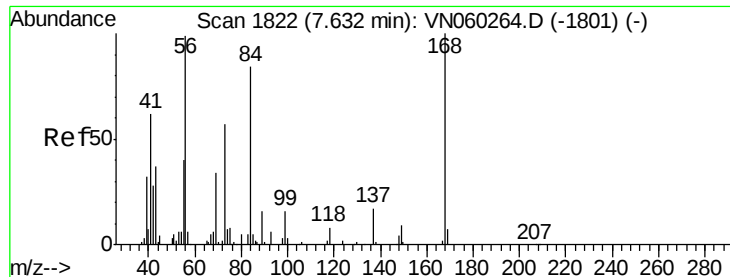
85 72.6 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN060268.D (-1640) (-)

Ion 84.90 (84.60 to 85.60): VN060268.D (-1640) (-)





#31

Cyclohexane

Concen: 2.15 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

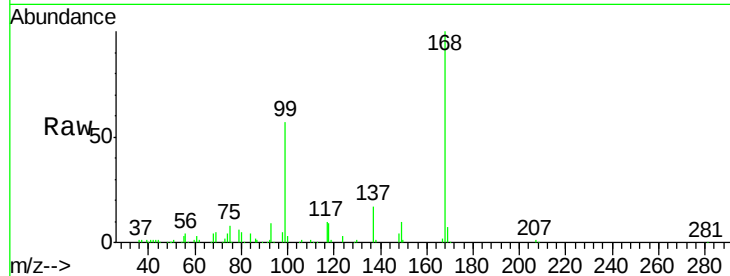
Tgt Ion: 56 Resp: 9853

Ion Ratio Lower Upper

56 100

69 110.7 27.2 40.8#

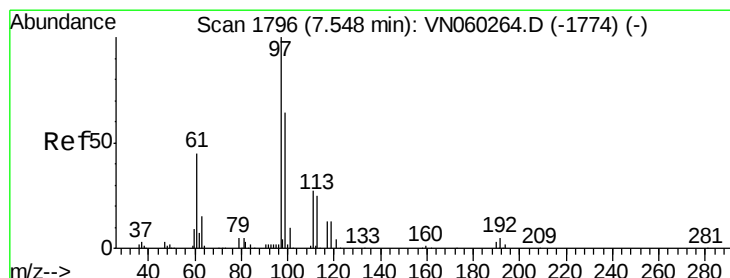
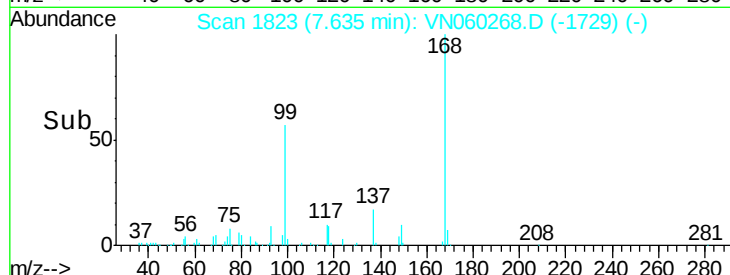
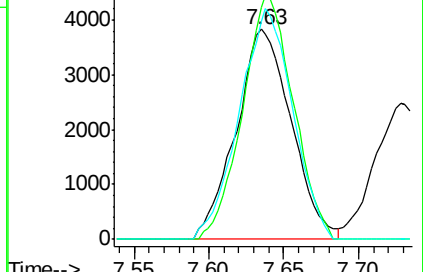
84 104.2 66.7 100.1#



Abundance Ion 56.00 (55.70 to 56.70): VN060268.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060268.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060268.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 0.97 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

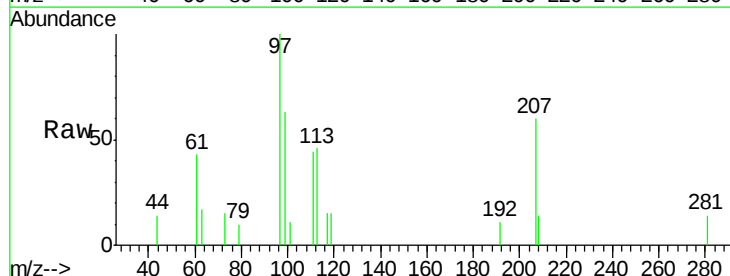
Tgt Ion: 97 Resp: 4337

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

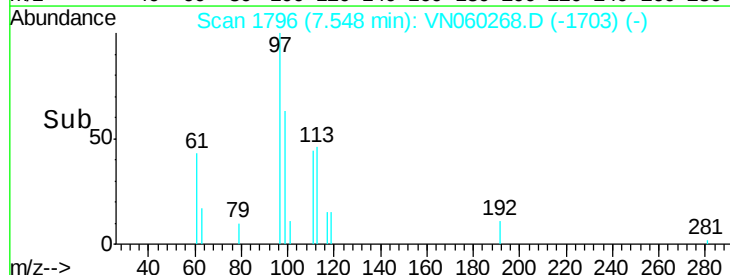
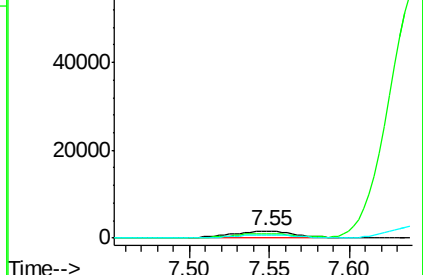
61 21.7 36.6 55.0#

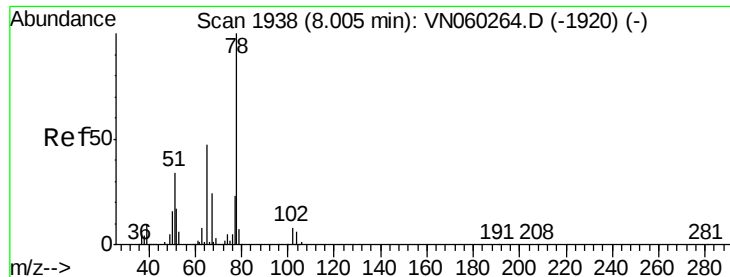


Abundance Ion 96.90 (96.60 to 97.60): VN060268.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060268.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060268.D (-1703) (-)

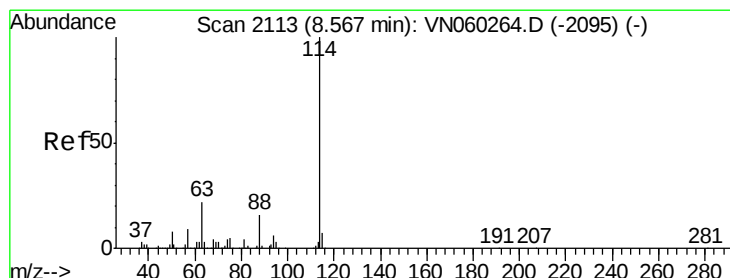
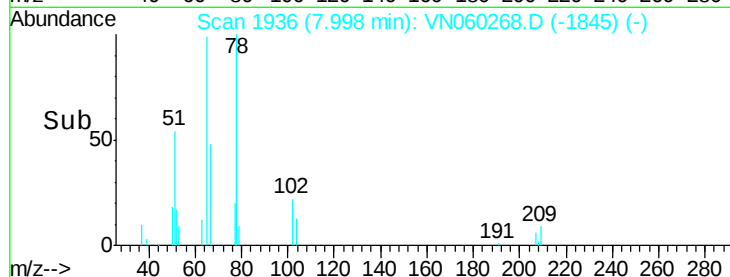
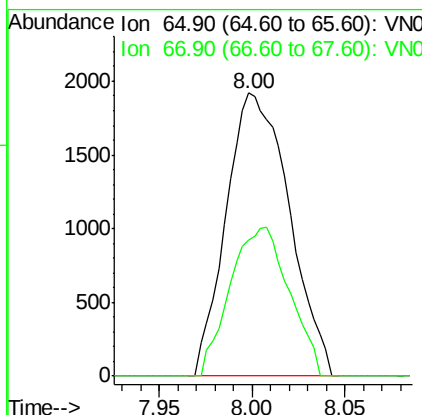
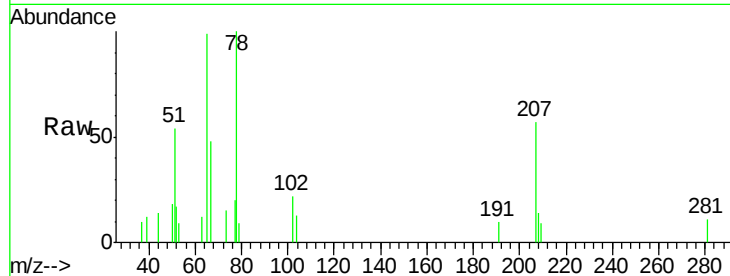




#33
 1,2-Dichloroethane-d4
 Concen: 1.45 ug/l
 RT: 8.00 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VN060268.D
 Acq: 27 Feb 2020 13:23

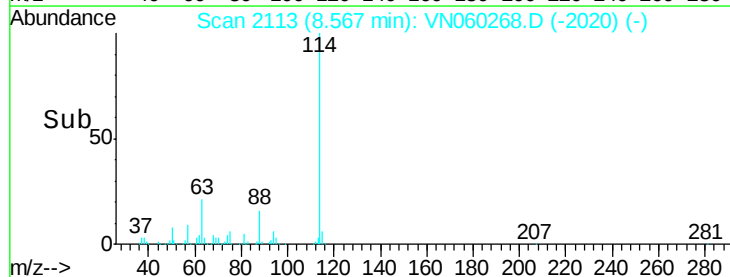
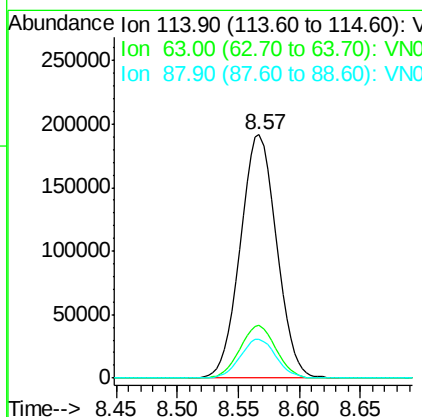
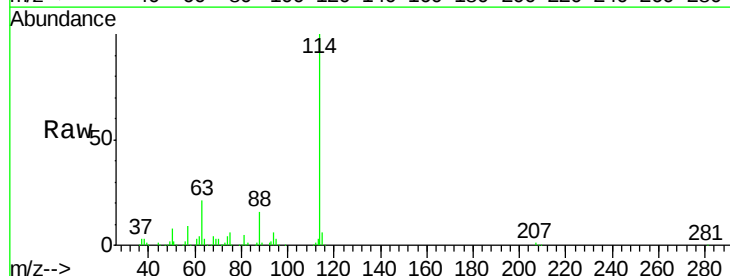
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

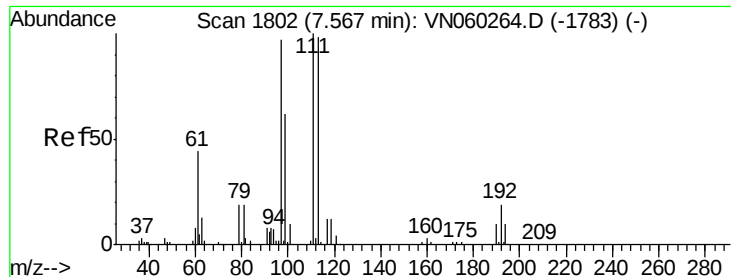
Tgt Ion: 65 Resp: 4527
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060268.D
 Acq: 27 Feb 2020 13:23

Tgt Ion: 114 Resp: 394264
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.2
 88 15.9 0.0 31.6

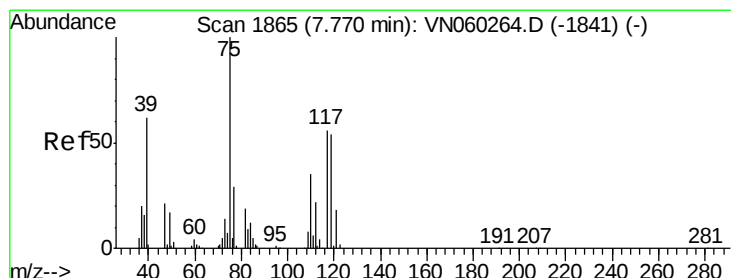
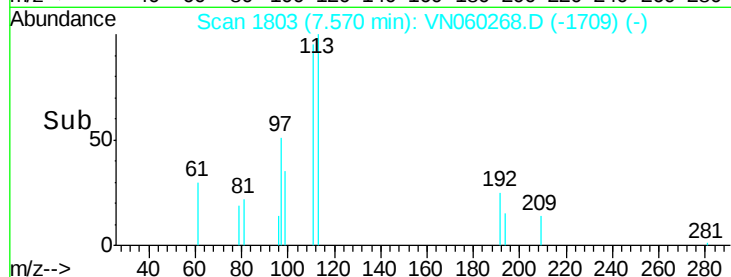
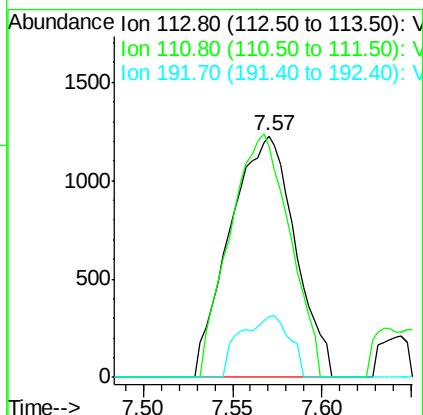
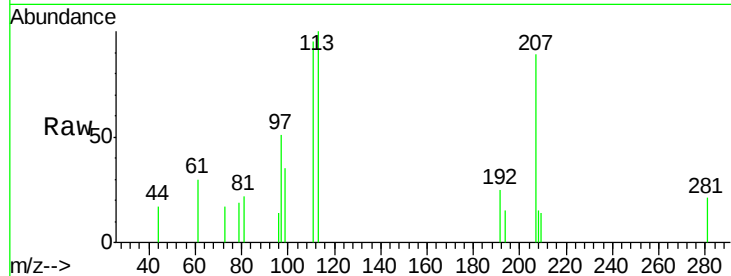




#35
 Dibromofluoromethane
 Concen: 1.71 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN060268.D
 Acq: 27 Feb 2020 13:23

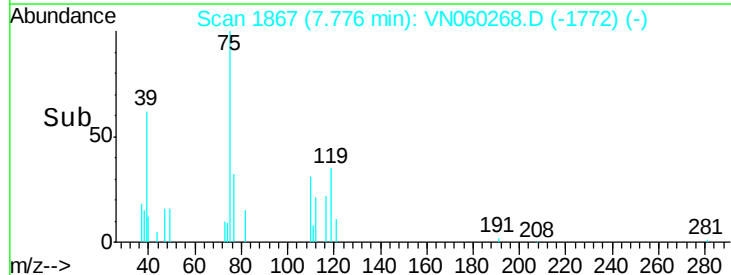
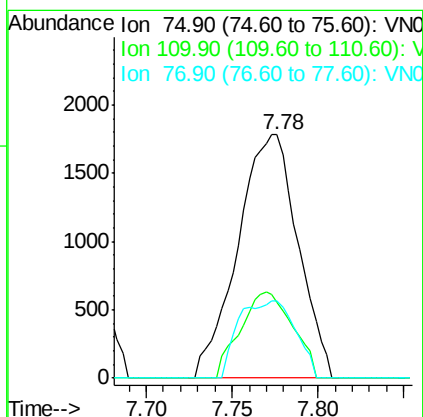
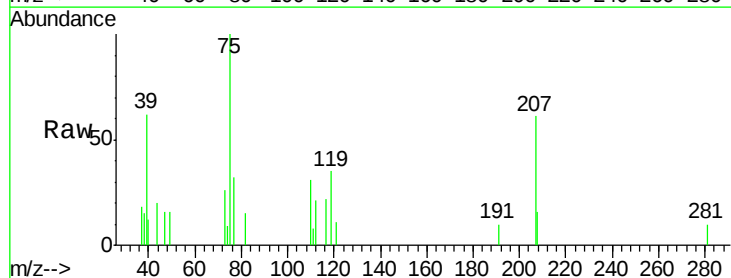
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

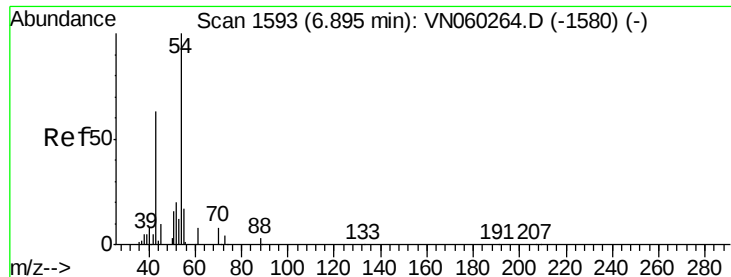
Tgt Ion:113 Resp: 3127
 Ion Ratio Lower Upper
 113 100
 111 93.0 82.4 123.6
 192 19.2 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 1.15 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: VN060268.D
 Acq: 27 Feb 2020 13:23

Tgt Ion: 75 Resp: 4326
 Ion Ratio Lower Upper
 75 100
 110 30.7 17.3 52.0
 77 30.0 24.2 36.2

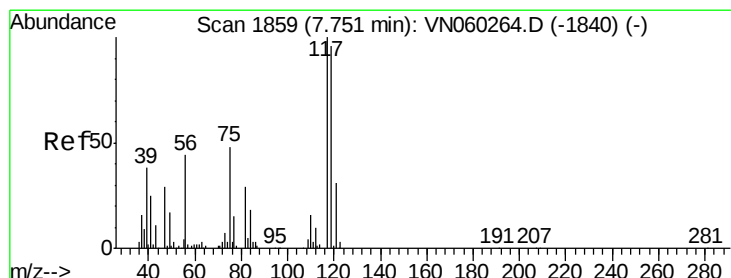
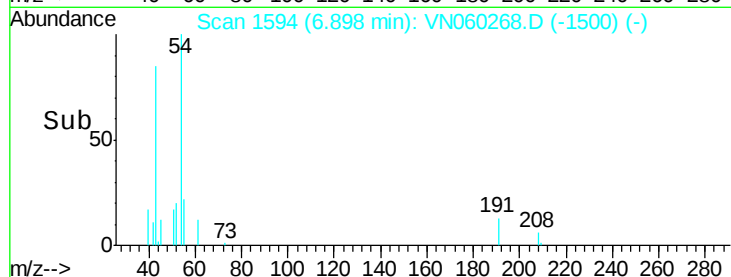
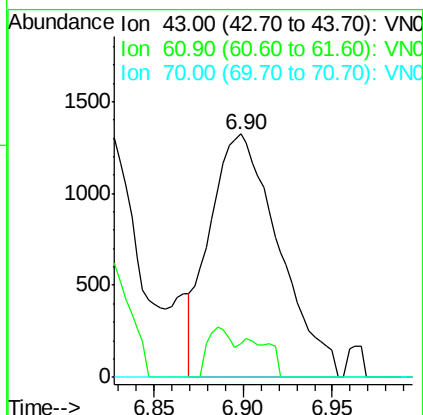
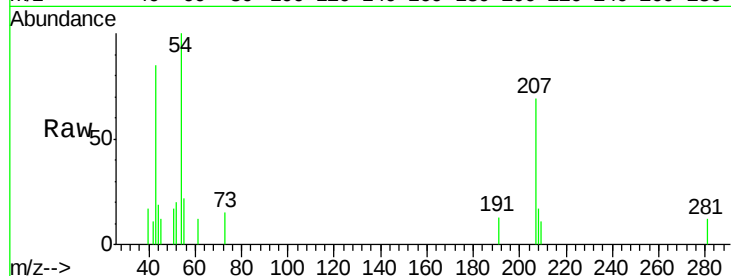




#37
Ethyl Acetate
Concen: 1.00 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN060268.D
Acq: 27 Feb 2020 13:23

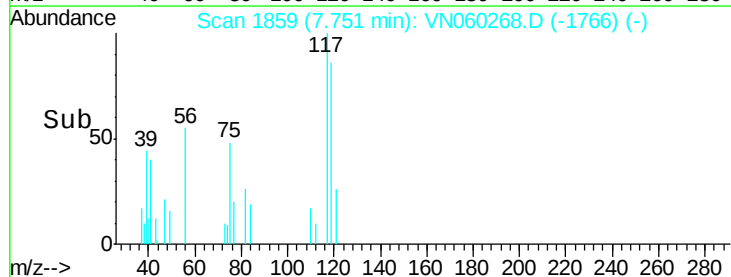
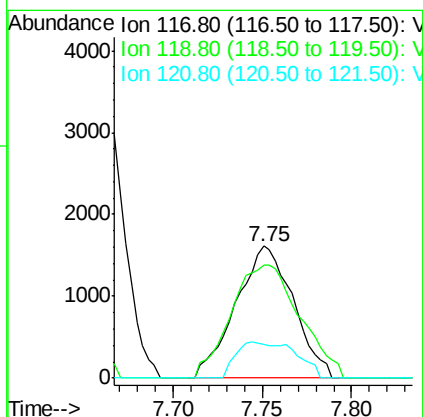
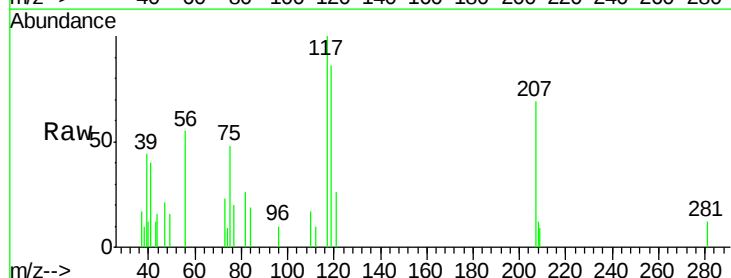
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

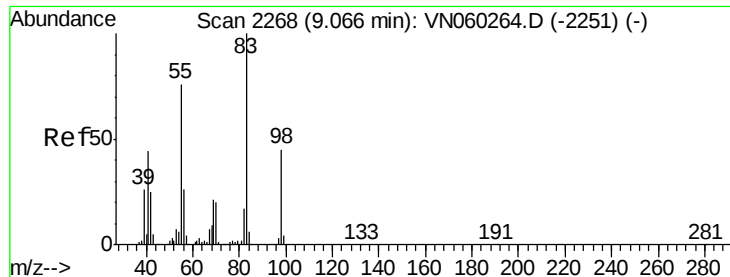
Tgt Ion: 43 Resp: 3561
Ion Ratio Lower Upper
43 100
61 7.2 11.1 16.7#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 0.97 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060268.D
Acq: 27 Feb 2020 13:23

Tgt Ion: 117 Resp: 3628
Ion Ratio Lower Upper
117 100
119 85.6 76.7 115.1
121 25.5 24.5 36.7

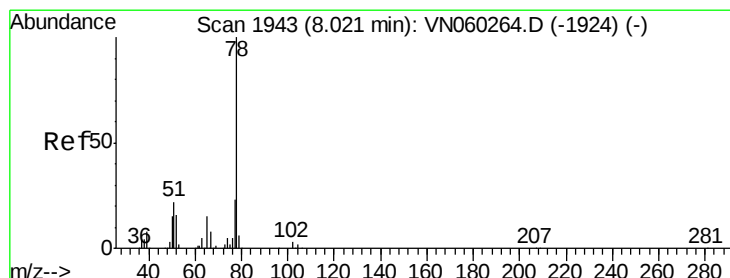
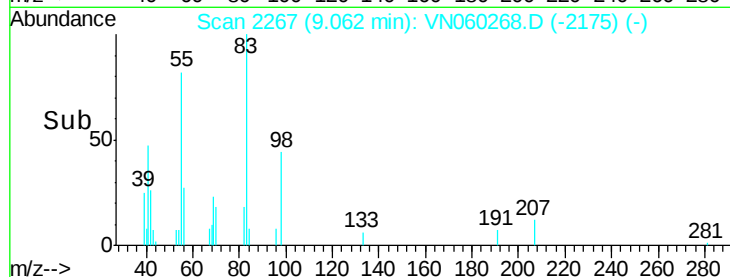
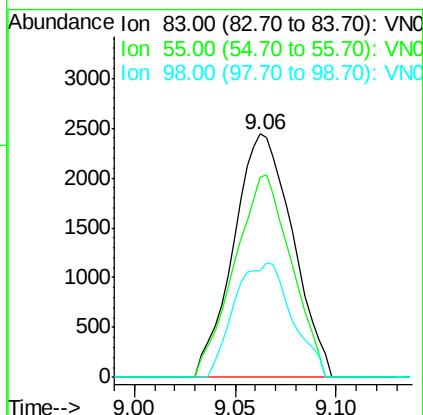
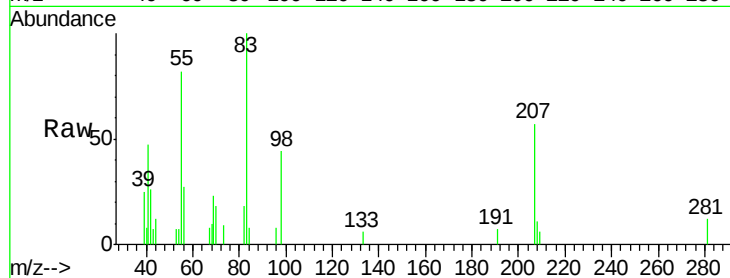




#39
Methylcyclohexane
Concen: 1.13 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060268.D
Acq: 27 Feb 2020 13:23

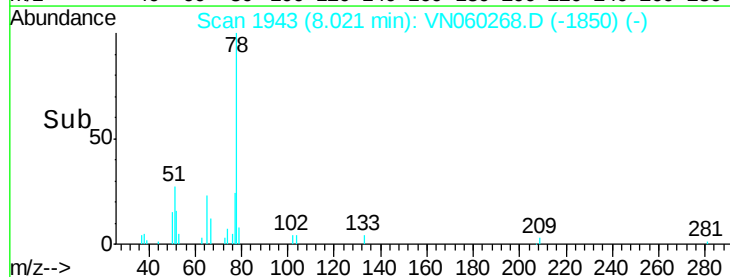
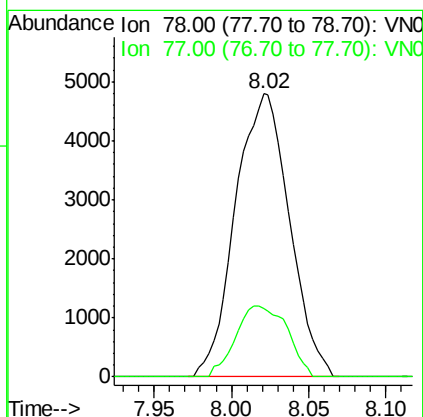
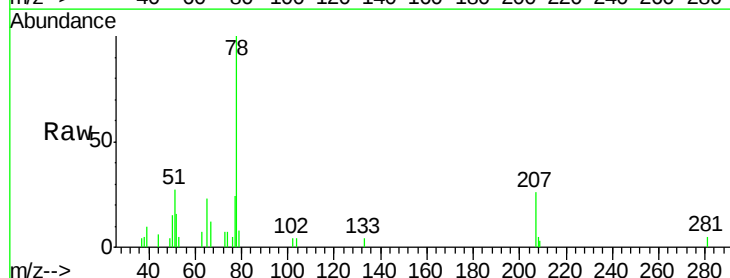
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

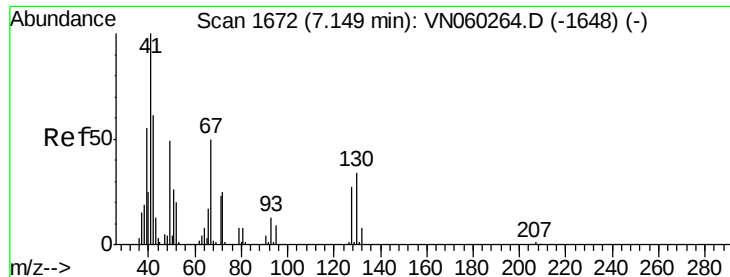
Tgt Ion: 83 Resp: 4990
Ion Ratio Lower Upper
83 100
55 82.3 61.0 91.4
98 44.1 36.1 54.1



#40
Benzene
Concen: 1.05 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060268.D
Acq: 27 Feb 2020 13:23

Tgt Ion: 78 Resp: 11639
Ion Ratio Lower Upper
78 100
77 24.2 18.8 28.2





#41

Methacrylonitrile

Concen: 0.79 ug/l

RT: 7.14 min Scan# 1669

Delta R.T. -0.01 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 41 Resp: 1354

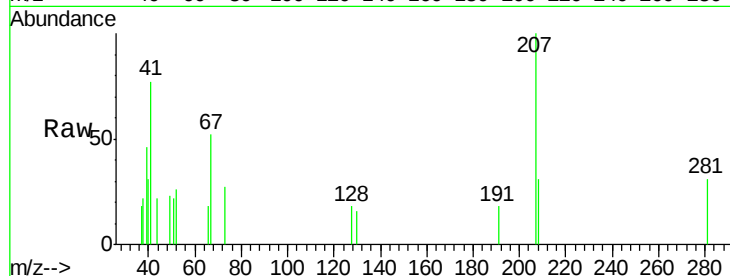
Ion Ratio Lower Upper

41 100

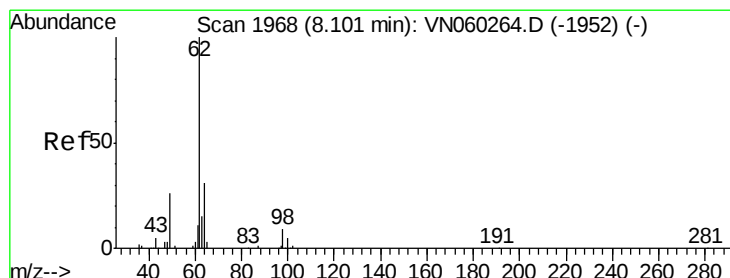
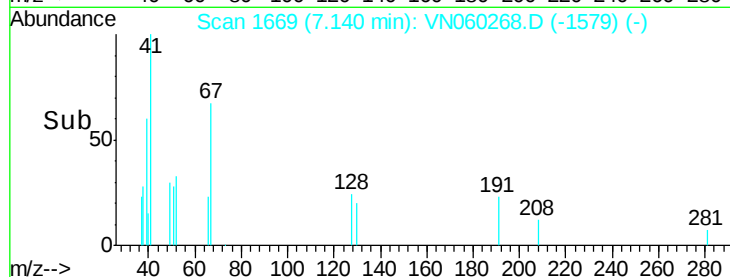
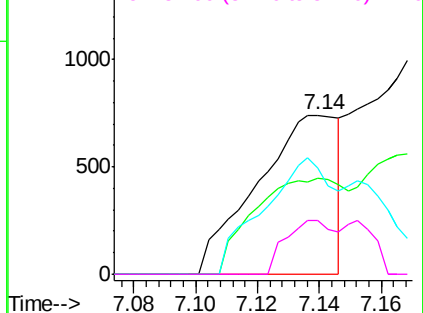
39 66.9 0.0 0.0#

67 62.4 0.0 0.0#

52 20.5 0.0 0.0#



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



#42

1,2-Dichloroethane

Concen: 1.02 ug/l

RT: 8.10 min Scan# 1969

Delta R.T. 0.00 min

Lab File: VN060268.D

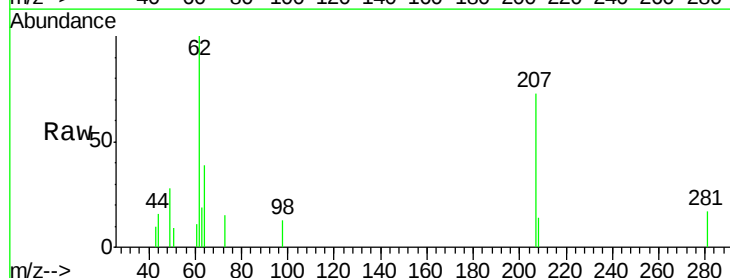
Acq: 27 Feb 2020 13:23

Tgt Ion: 62 Resp: 4109

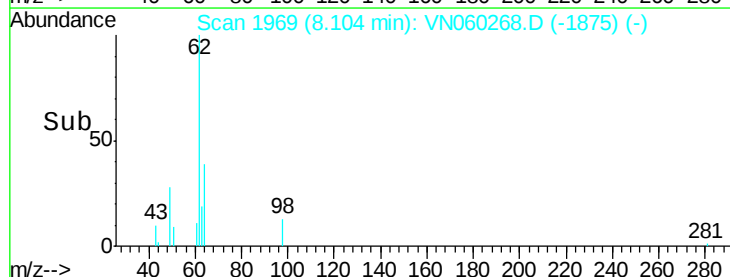
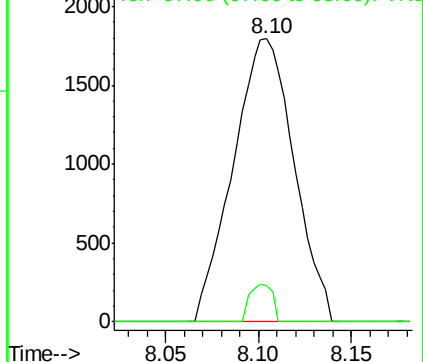
Ion Ratio Lower Upper

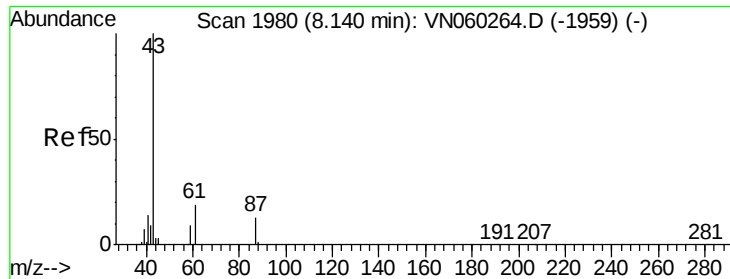
62 100

98 4.9 0.0 17.0



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





#43

Isopropyl Acetate

Concen: 0.97 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

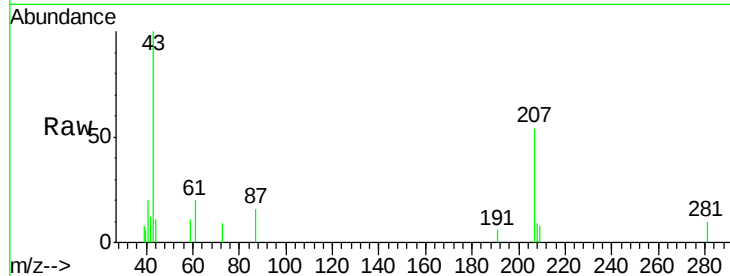
Tgt Ion: 43 Resp: 6116

Ion Ratio Lower Upper

43 100

61 23.0 20.9 31.3

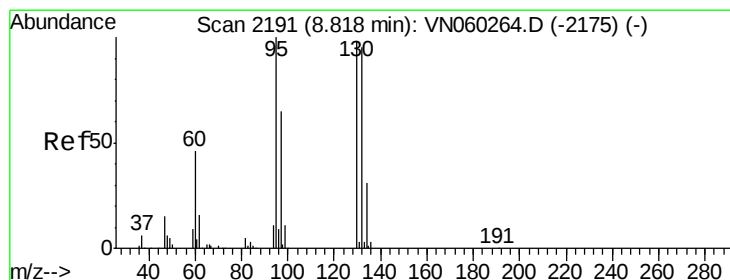
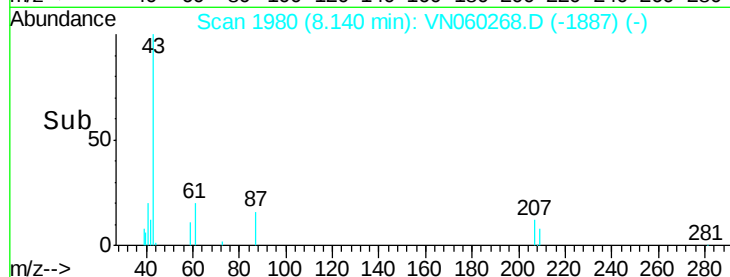
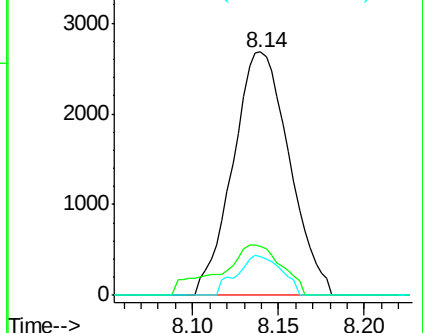
87 12.9 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060268.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060268.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060268.D (-1887) (-)



#44

Trichloroethene

Concen: 1.14 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN060268.D

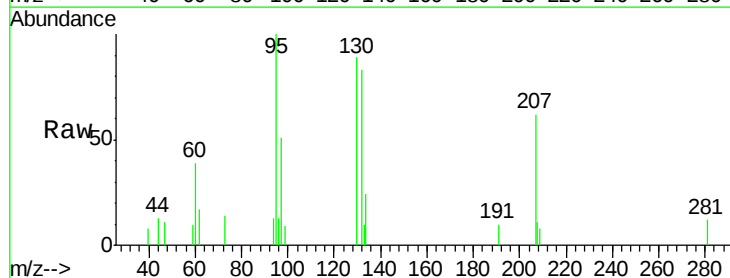
Acq: 27 Feb 2020 13:23

Tgt Ion: 130 Resp: 3497

Ion Ratio Lower Upper

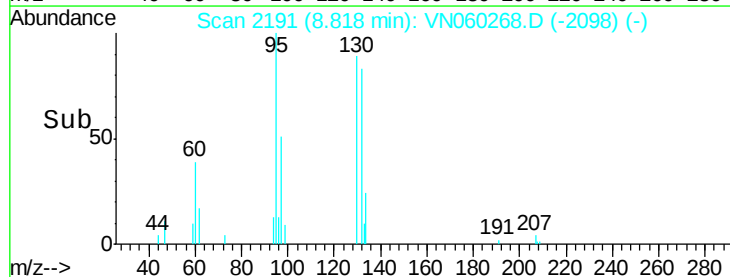
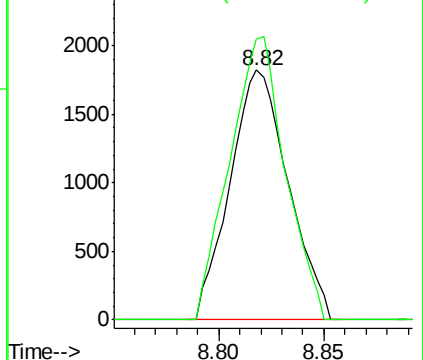
130 100

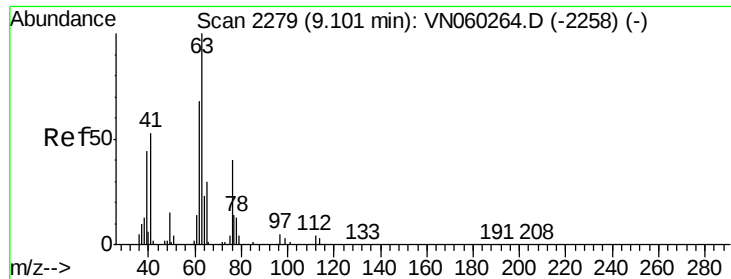
95 112.3 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060268.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN060268.D (-2098) (-)





#45

1,2-Dichloropropane

Concen: 0.91 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

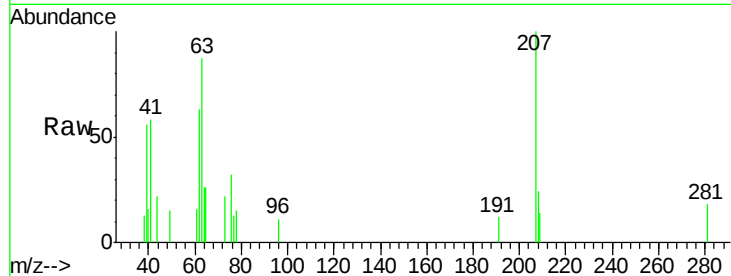
VSTDIC001

Tgt Ion: 63 Resp: 2688

Ion Ratio Lower Upper

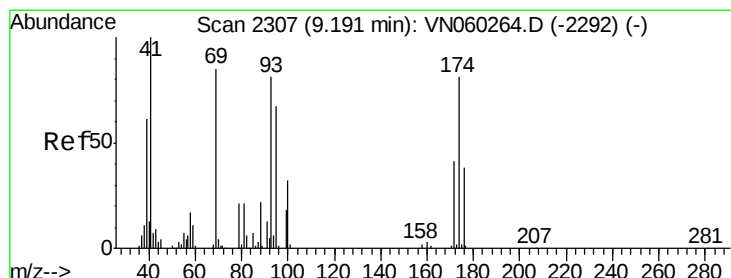
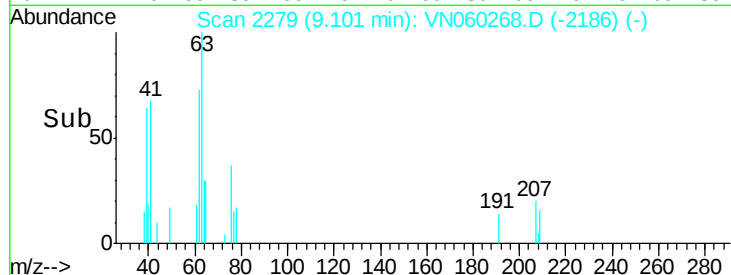
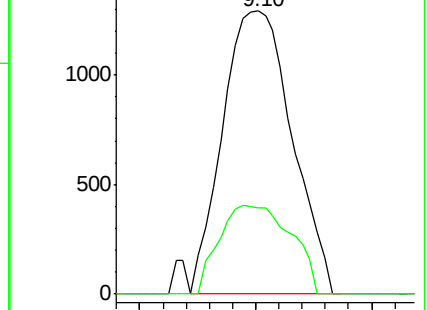
63 100

65 30.5 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN060268.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060268.D (-2186) (-)



#46

Dibromomethane

Concen: 1.01 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

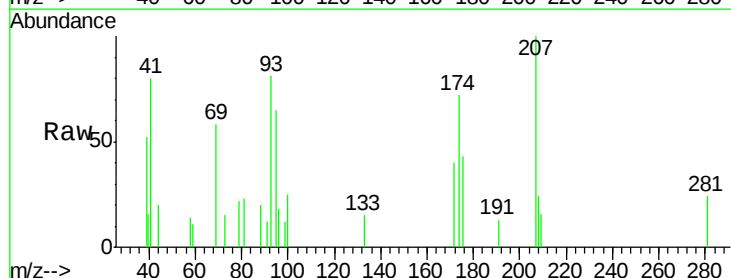
Tgt Ion: 93 Resp: 1905

Ion Ratio Lower Upper

93 100

95 83.6 65.9 98.9

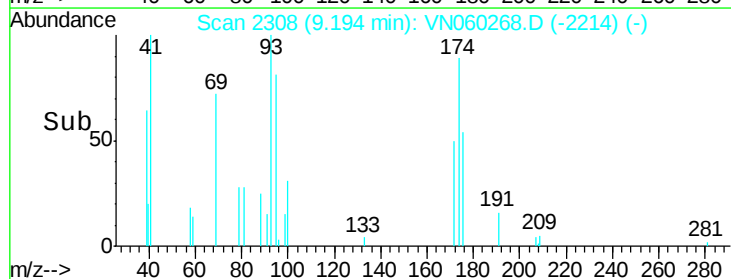
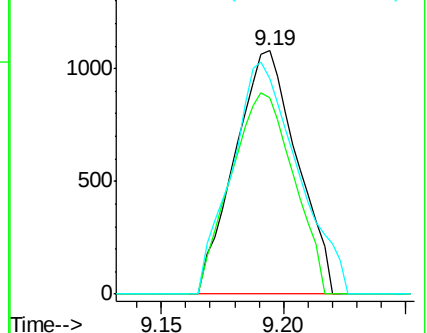
174 101.8 79.6 119.4

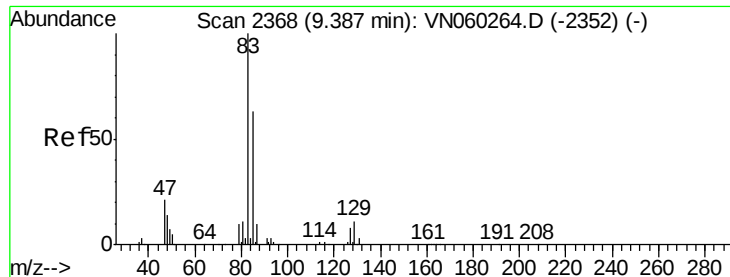


Abundance Ion 92.80 (92.50 to 93.50): VN060268.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN060268.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN060268.D (-2214) (-)





#47

Bromodichloromethane

Concen: 0.98 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

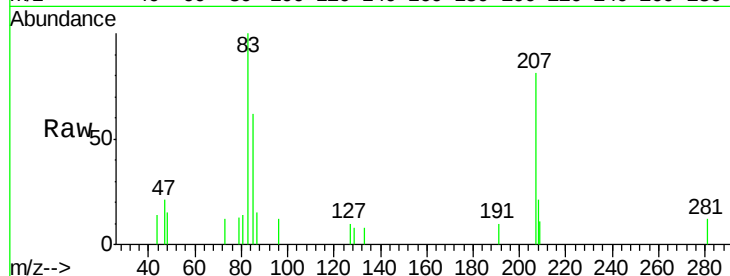
Tgt Ion: 83 Resp: 3749

Ion Ratio Lower Upper

83 100

85 62.4 50.7 76.1

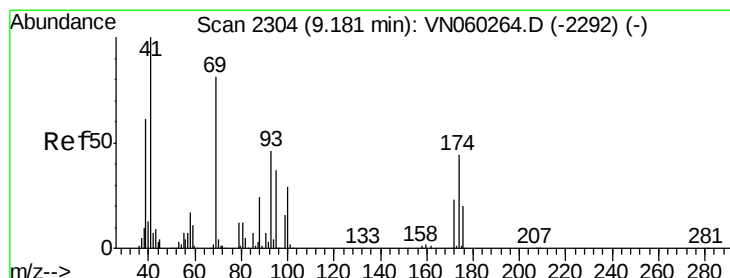
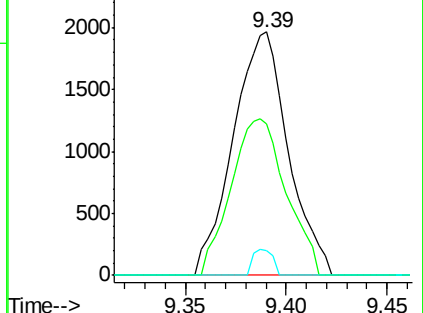
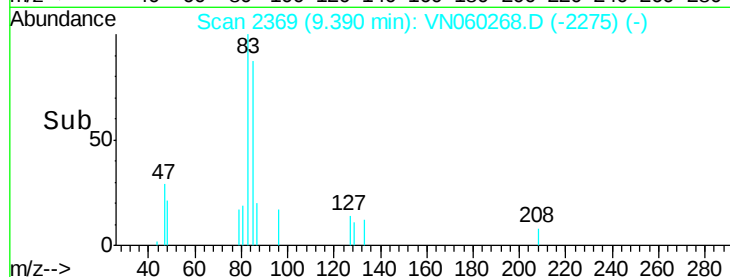
127 10.1 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN060268.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060268.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060268.D (-2275) (-)



#48

Methyl methacrylate

Concen: 1.10 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

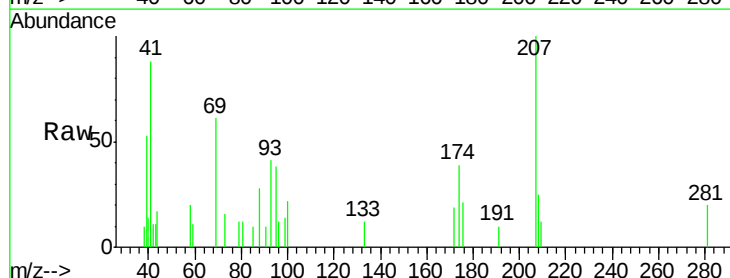
Tgt Ion: 41 Resp: 3138

Ion Ratio Lower Upper

41 100

69 61.8 66.7 100.1#

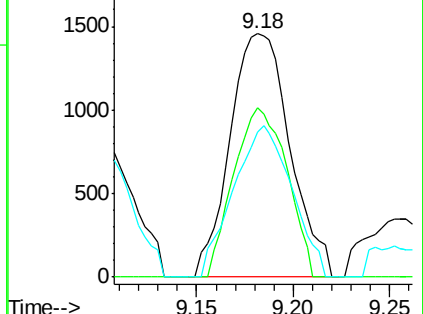
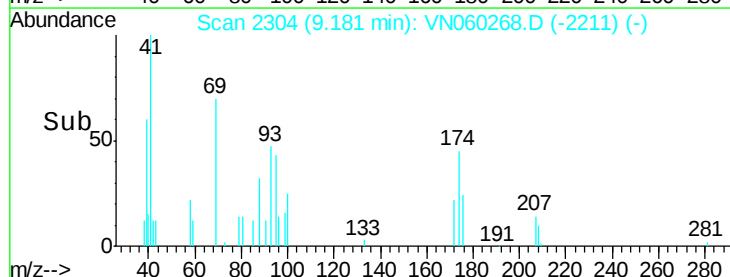
39 60.5 50.1 75.1

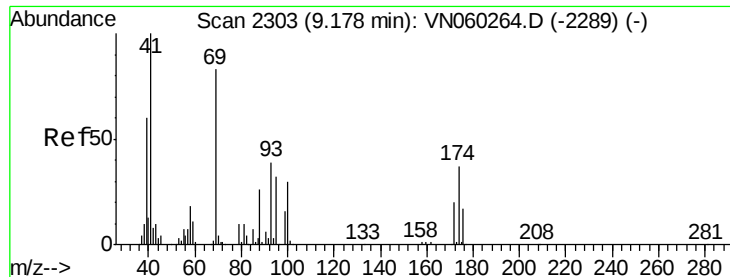


Abundance Ion 41.00 (40.70 to 41.70): VN060268.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060268.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060268.D (-2211) (-)

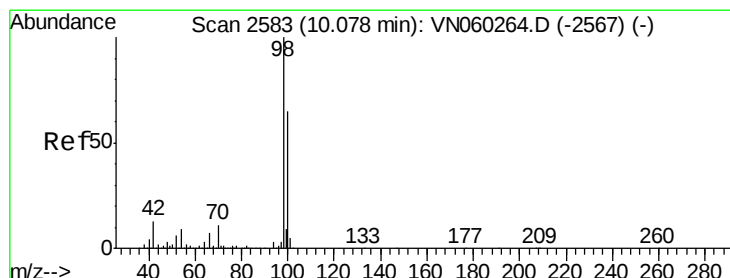
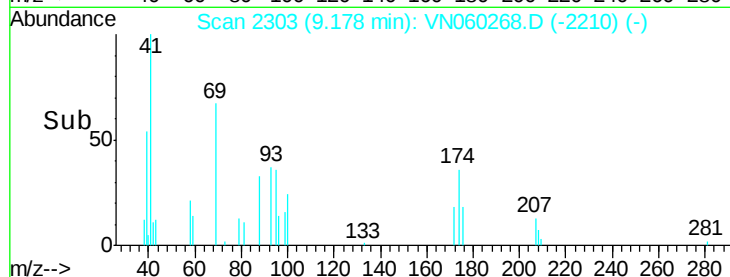
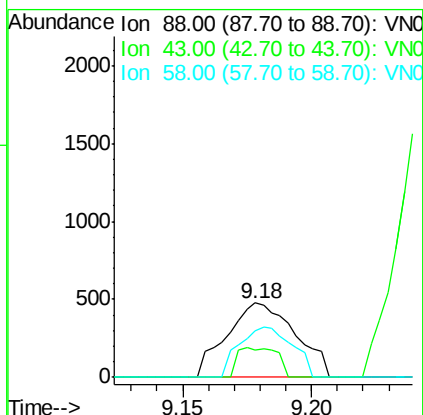
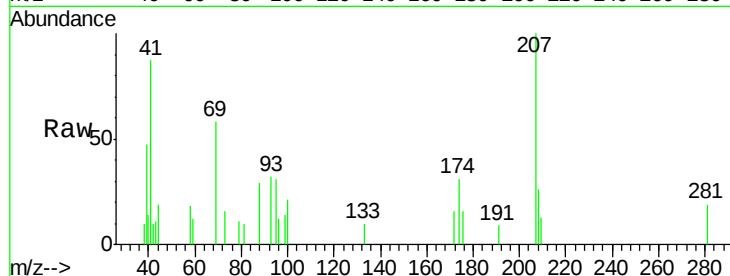




#49
1,4-Dioxane
Concen: 21.46 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060268.D
Acq: 27 Feb 2020 13:23

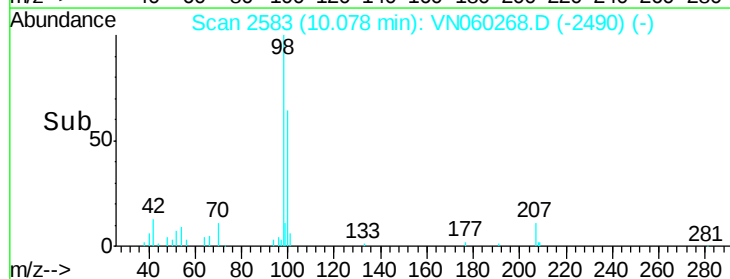
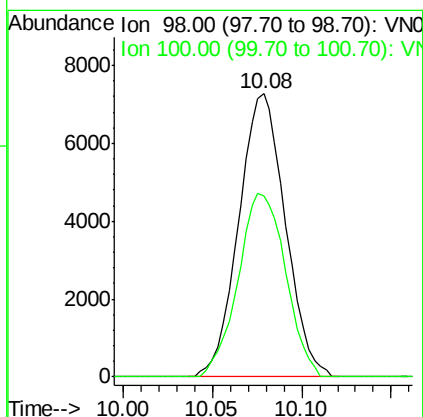
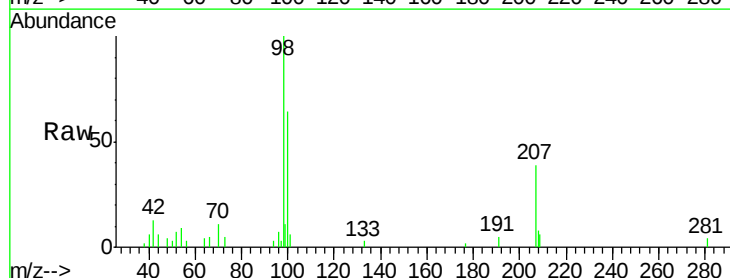
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

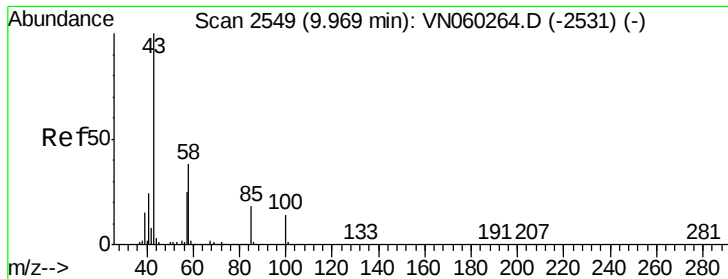
Tgt Ion: 88 Resp: 885
Ion Ratio Lower Upper
88 100
43 23.1 30.4 45.6#
58 52.4 57.0 85.6#



#50
Toluene-d8
Concen: 1.43 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060268.D
Acq: 27 Feb 2020 13:23

Tgt Ion: 98 Resp: 13248
Ion Ratio Lower Upper
98 100
100 66.1 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 4.76 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampled :

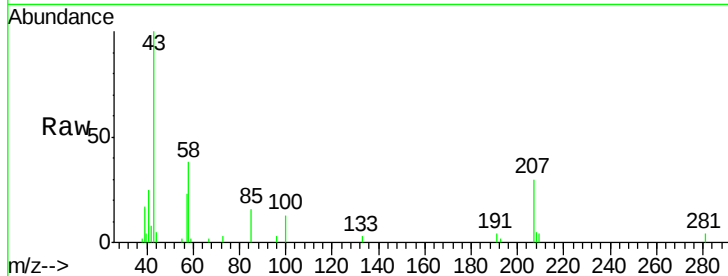
VSTDIC001

Tgt Ion: 43 Resp: 17013

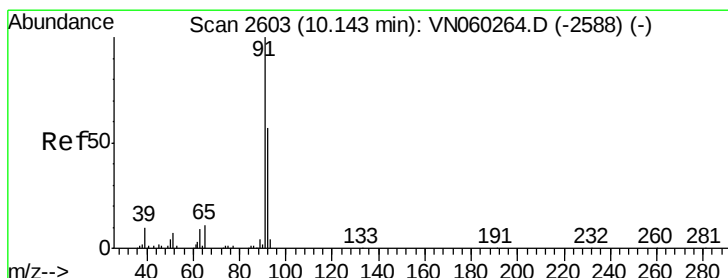
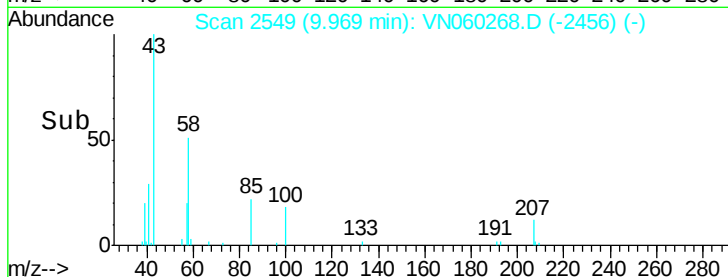
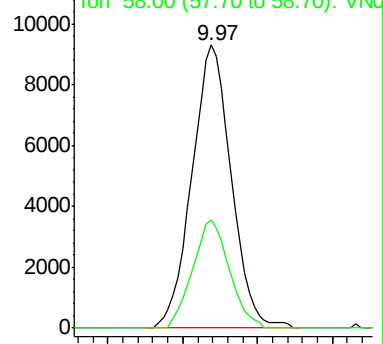
Ion Ratio Lower Upper

43 100

58 35.6 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2531) (-)



#52

Toluene

Concen: 1.04 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060268.D

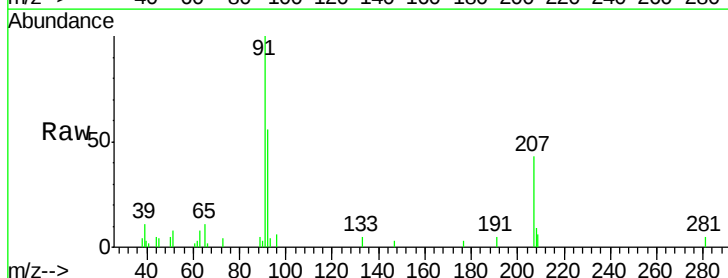
Acq: 27 Feb 2020 13:23

Tgt Ion: 92 Resp: 7241

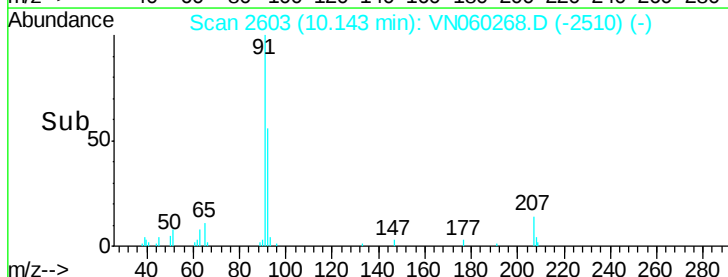
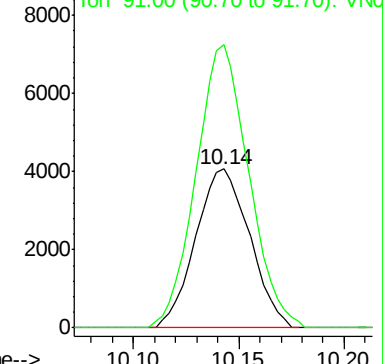
Ion Ratio Lower Upper

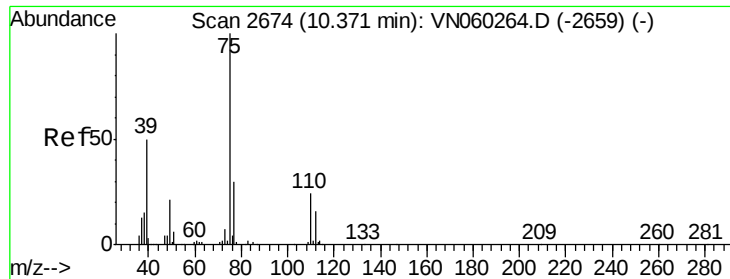
92 100

91 173.7 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN060264.D (-2588) (-)





#53

t-1,3-Dichloropropene

Concen: 1.10 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

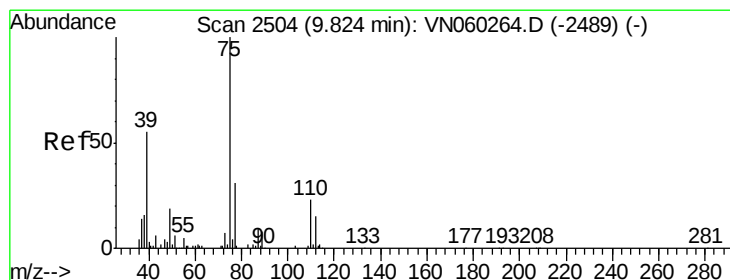
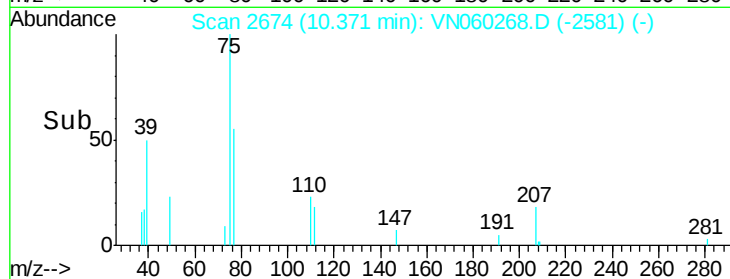
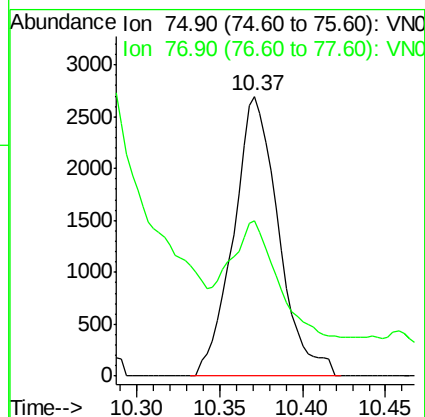
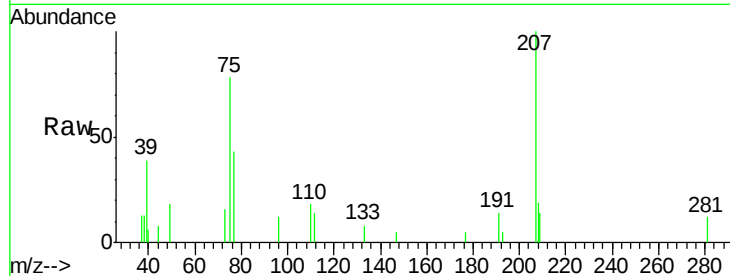
VSTDIC001

Tgt Ion: 75 Resp: 5093

Ion Ratio Lower Upper

75 100

77 41.3 24.8 37.2#



#54

cis-1,3-Dichloropropene

Concen: 1.01 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

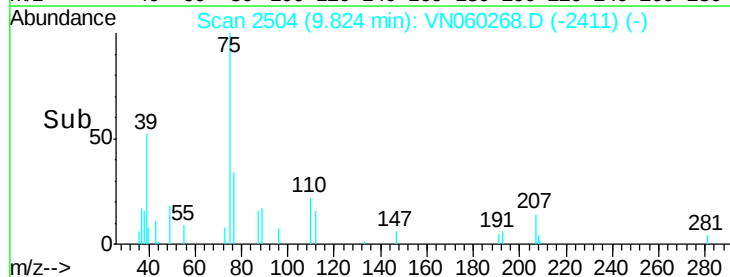
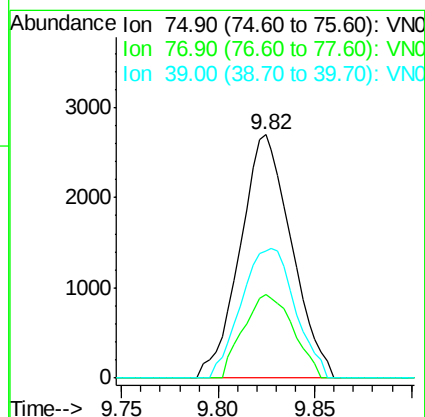
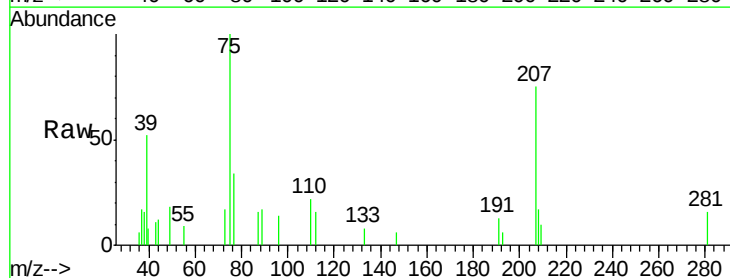
Tgt Ion: 75 Resp: 4971

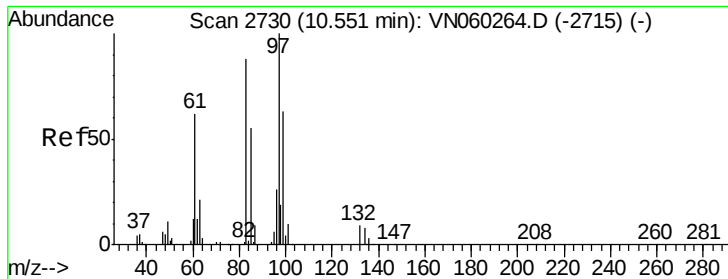
Ion Ratio Lower Upper

75 100

77 34.3 24.8 37.2

39 52.4 43.8 65.8





#55

1,1,2-Trichloroethane

Concen: 1.12 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tgt Ion: 97 Resp: 3139

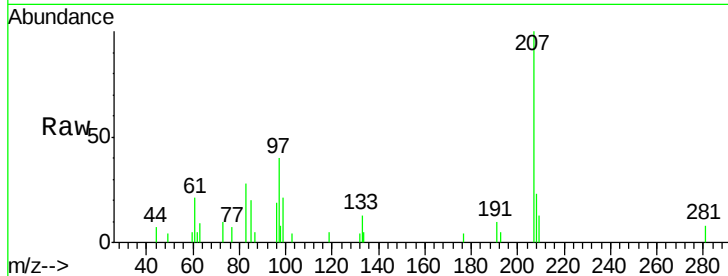
Ion Ratio Lower Upper

97 100

83 71.2 70.0 105.0

85 49.8 44.0 66.0

99 51.6 50.4 75.6

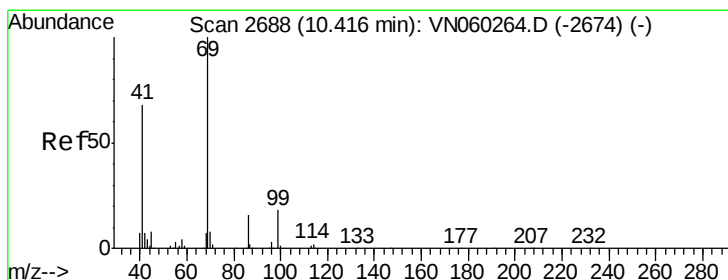
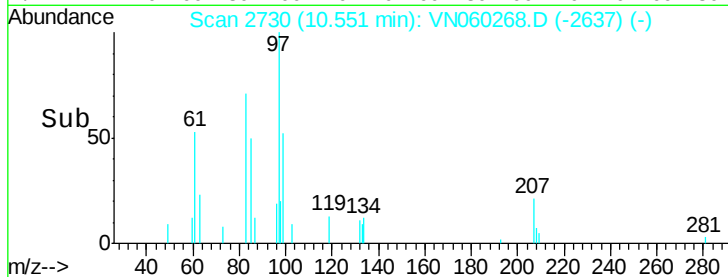
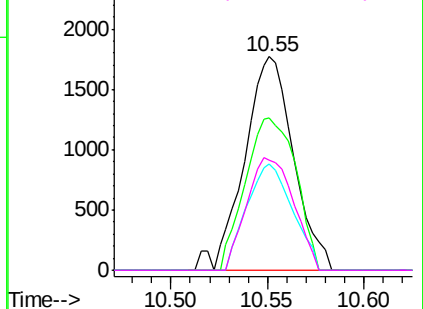


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 0.88 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

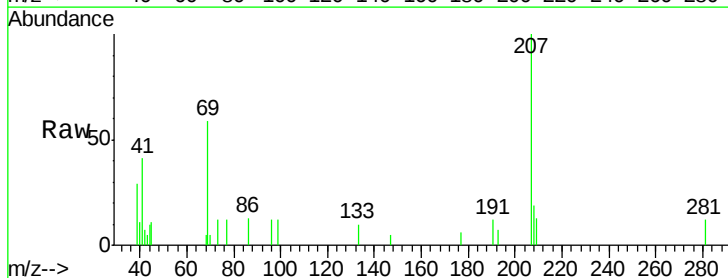
Tgt Ion: 69 Resp: 3537

Ion Ratio Lower Upper

69 100

41 71.3 54.1 81.1

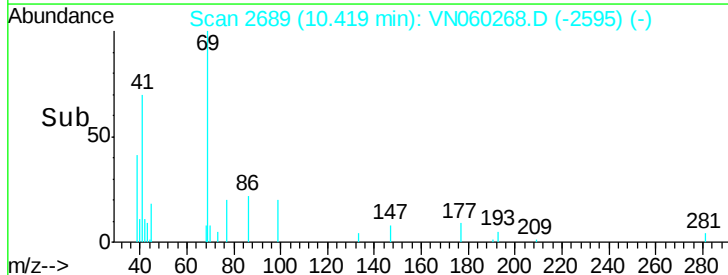
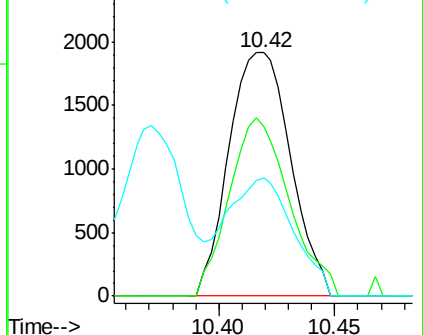
39 53.5 32.5 48.7#

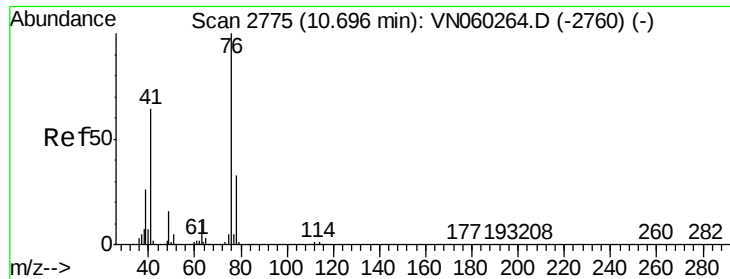


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 0.99 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

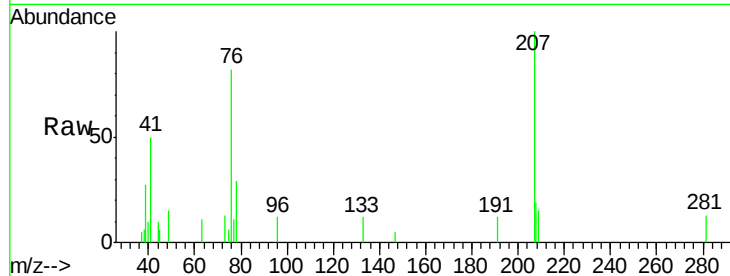
VSTDIC001

Tgt Ion: 76 Resp: 4577

Ion Ratio Lower Upper

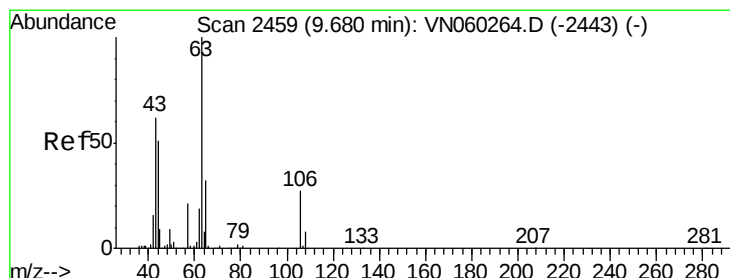
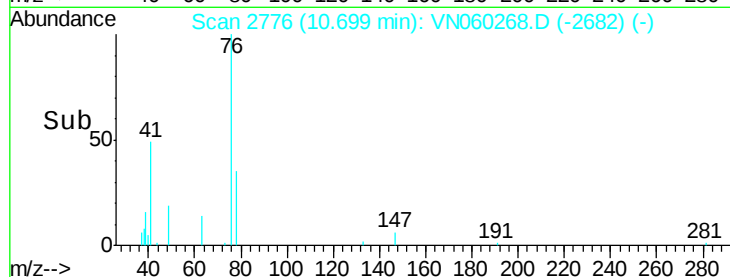
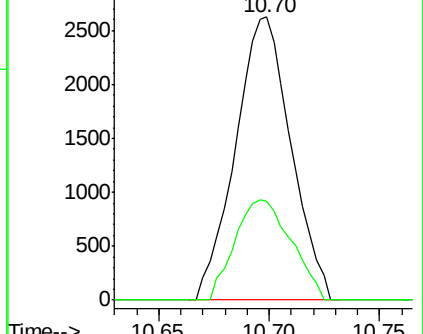
76 100

78 35.9 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 4.20 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060268.D

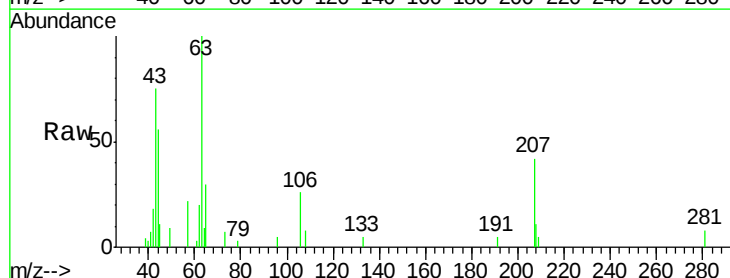
Acq: 27 Feb 2020 13:23

Tgt Ion: 63 Resp: 9079

Ion Ratio Lower Upper

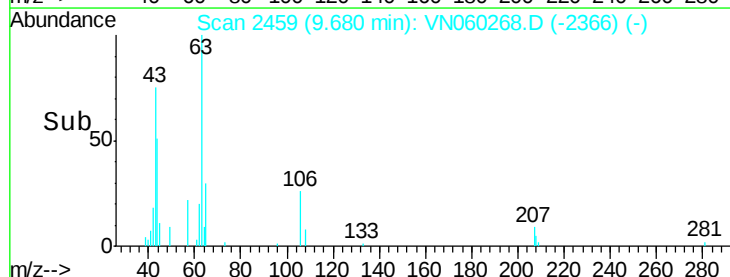
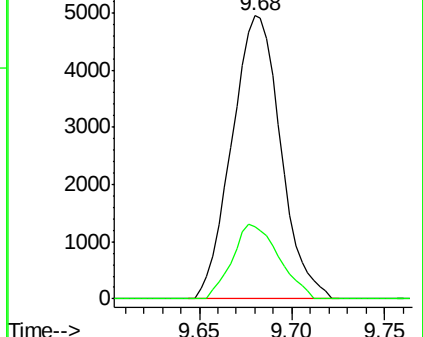
63 100

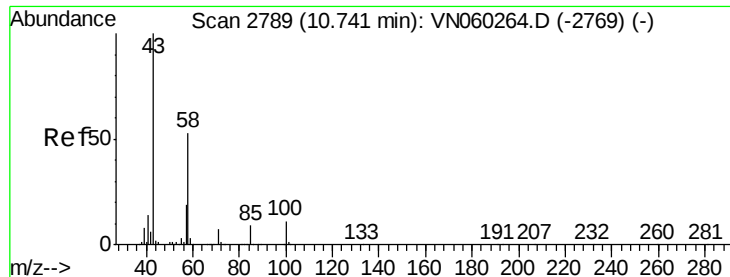
106 25.1 21.1 31.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 4.71 ug/l

RT: 10.74 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

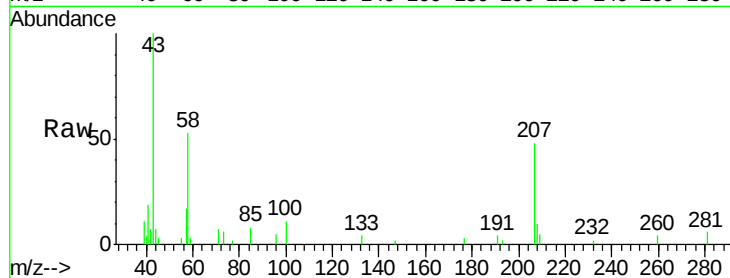
VSTDIC001

Tgt Ion: 43 Resp: 12486

Ion Ratio Lower Upper

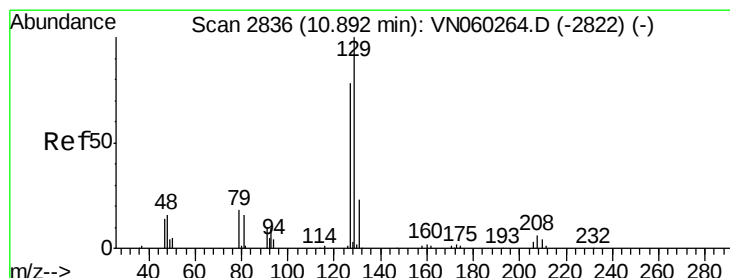
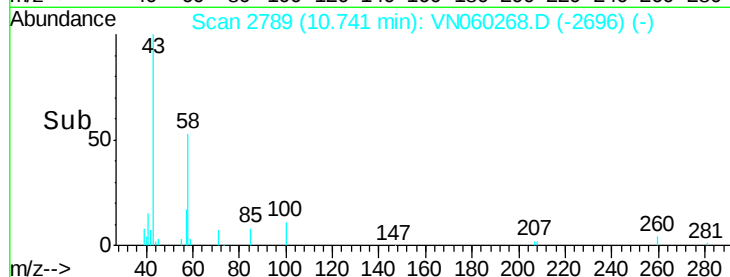
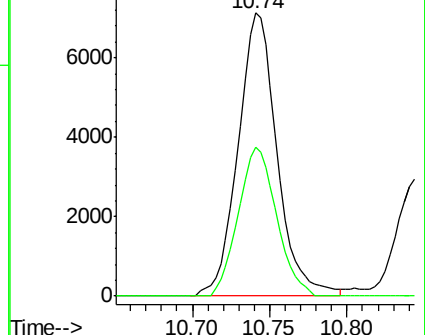
43 100

58 51.6 26.5 79.5



Abundance Ion 43.00 (42.70 to 43.70): VN060268.D (-2769) (-)

Ion 58.00 (57.70 to 58.70): VN060268.D (-2769) (-)



#60

Dibromochloromethane

Concen: 0.95 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN060268.D

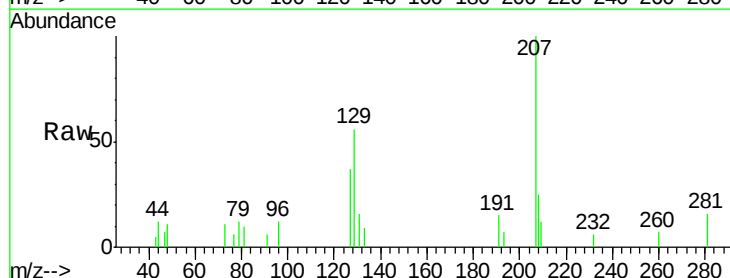
Acq: 27 Feb 2020 13:23

Tgt Ion: 129 Resp: 2678

Ion Ratio Lower Upper

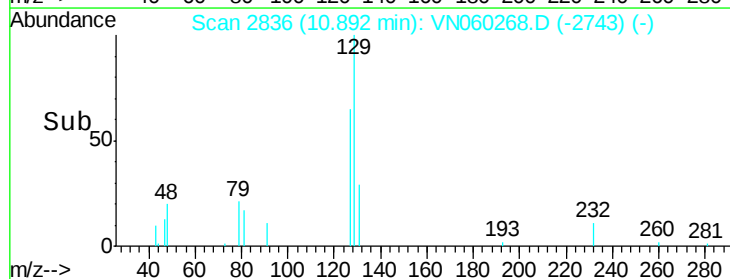
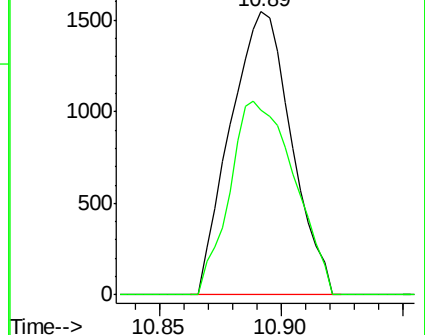
129 100

127 72.6 38.9 116.7



Abundance Ion 128.80 (128.50 to 129.50): VN060268.D (-2822) (-)

Ion 126.80 (126.50 to 127.50): VN060268.D (-2822) (-)





#61

1,2-Dibromoethane

Concen: 0.92 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

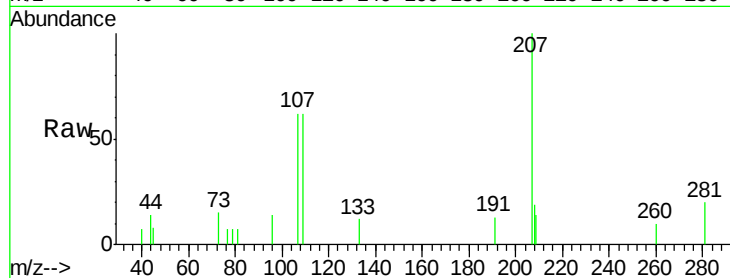
VSTDIC001

Tgt Ion: 107 Resp: 2540

Ion Ratio Lower Upper

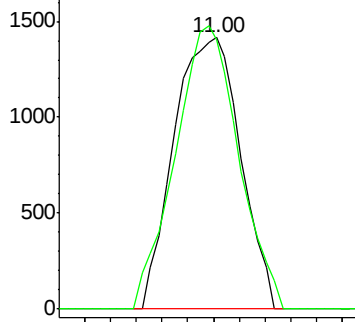
107 100

109 99.7 76.8 115.2

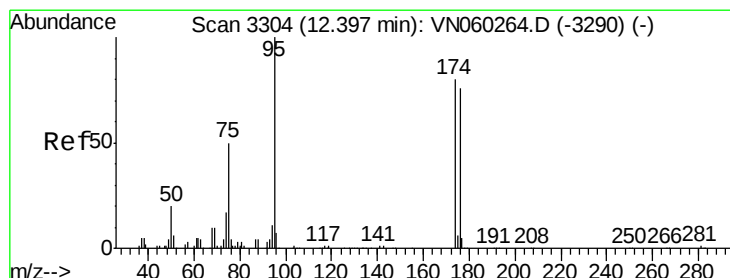
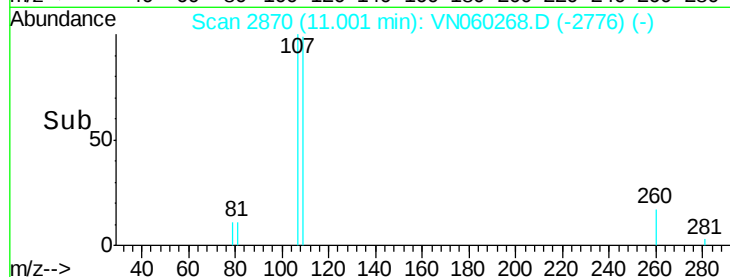


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 1.68 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

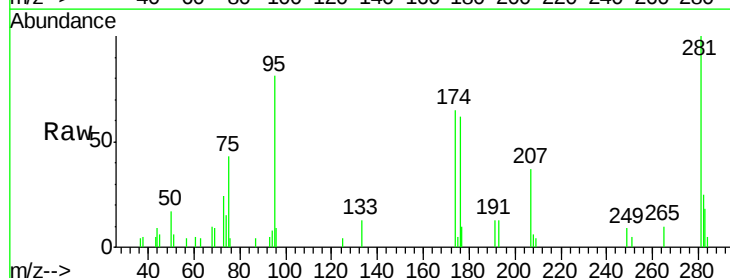
Tgt Ion: 95 Resp: 5883

Ion Ratio Lower Upper

95 100

174 80.7 0.0 159.2

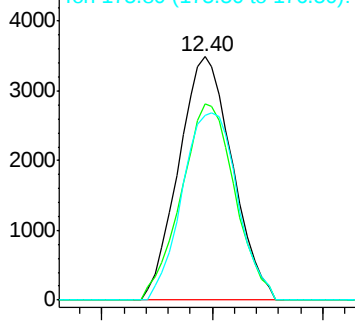
176 79.2 0.0 153.8



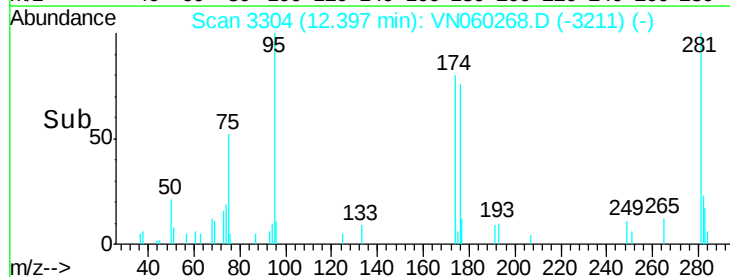
Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

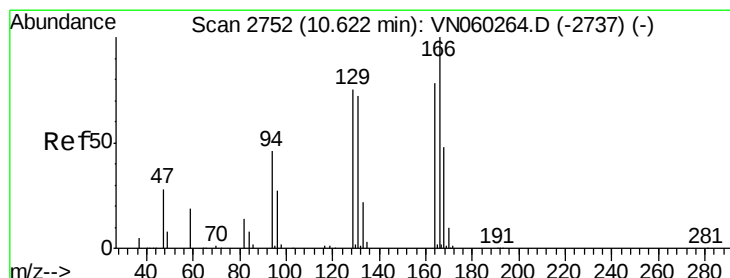
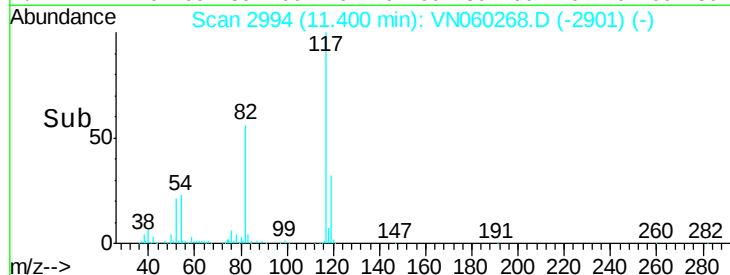
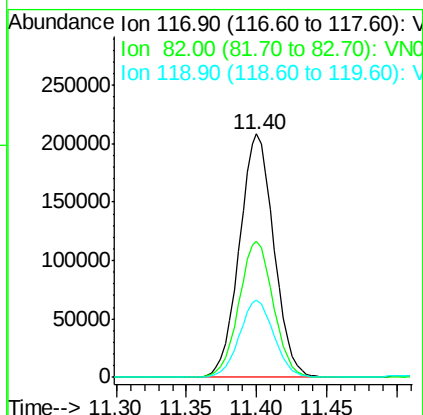
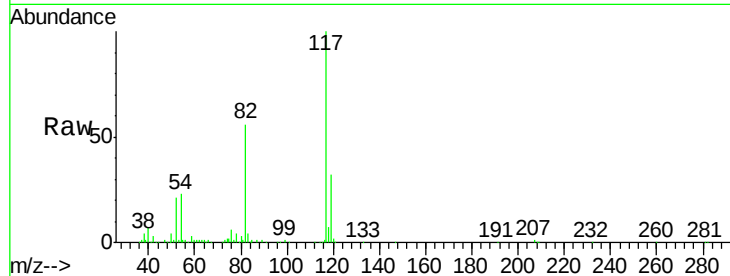




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060268.D
Acq: 27 Feb 2020 13:23

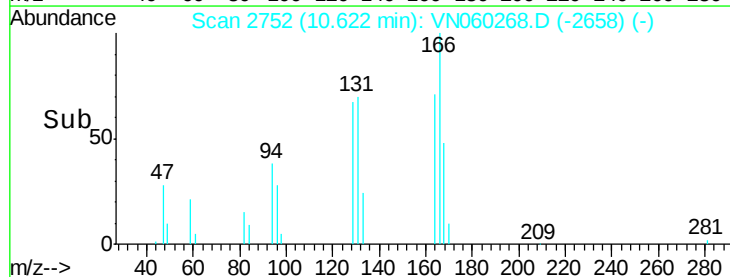
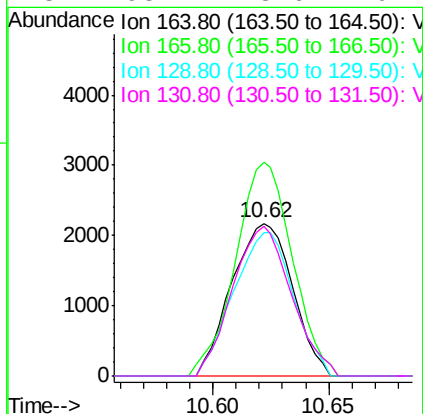
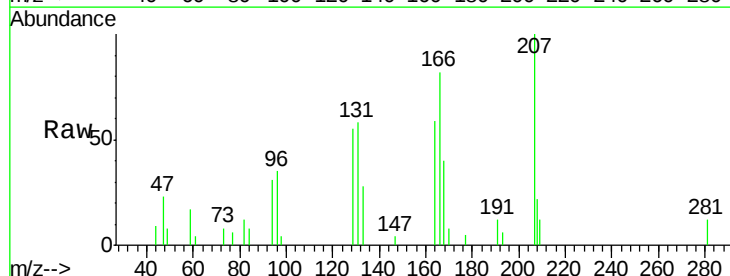
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

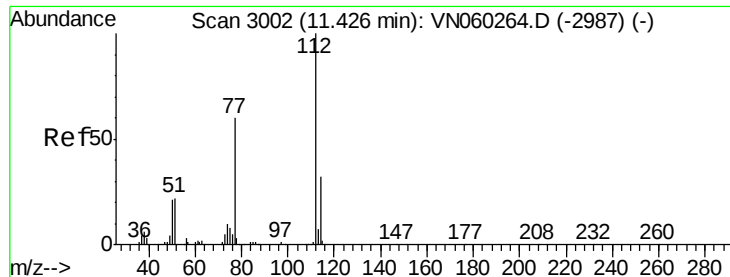
Tgt Ion:117 Resp: 355895
Ion Ratio Lower Upper
117 100
82 56.1 45.8 68.6
119 31.8 25.8 38.8



#64
Tetrachloroethene
Concen: 1.25 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060268.D
Acq: 27 Feb 2020 13:23

Tgt Ion:164 Resp: 3940
Ion Ratio Lower Upper
164 100
166 140.2 102.0 153.0
129 93.8 76.4 114.6
131 98.7 73.6 110.4





#65

Chlorobenzene

Concen: 1.10 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampled :

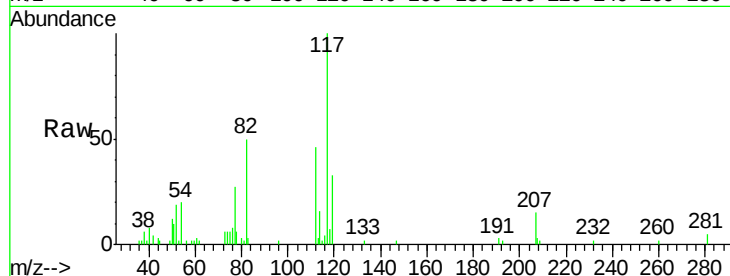
VSTDIC001

Tgt Ion:112 Resp: 7981

Ion Ratio Lower Upper

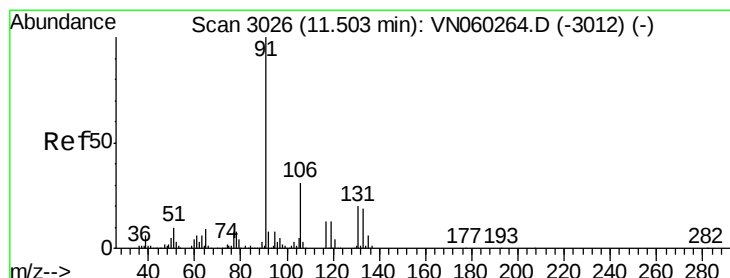
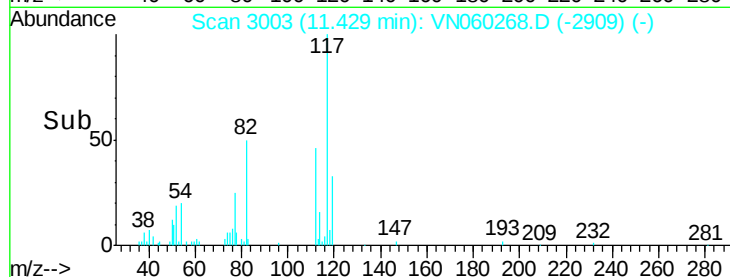
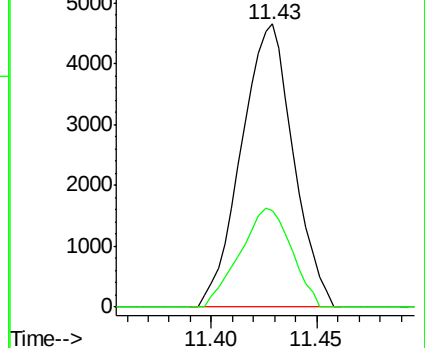
112 100

114 34.1 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 1.00 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

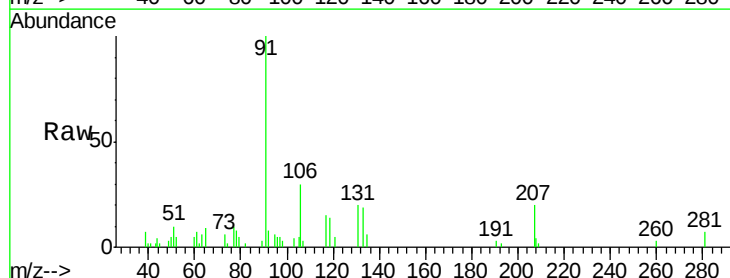
Tgt Ion:131 Resp: 2698

Ion Ratio Lower Upper

131 100

133 101.4 47.7 143.1

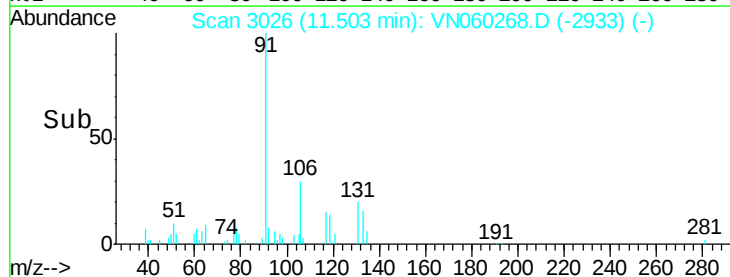
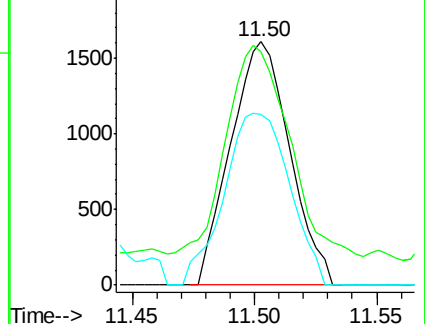
119 0.0 33.2 99.6#

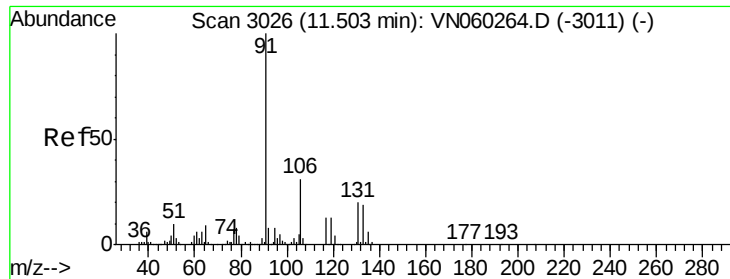


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

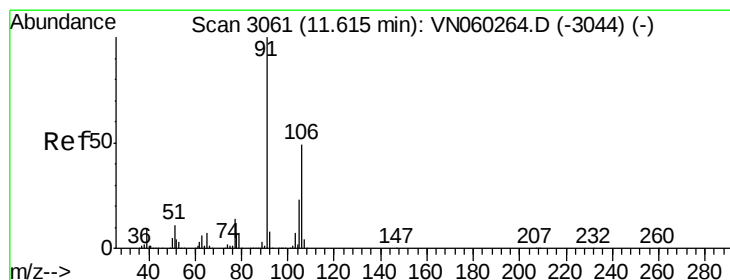
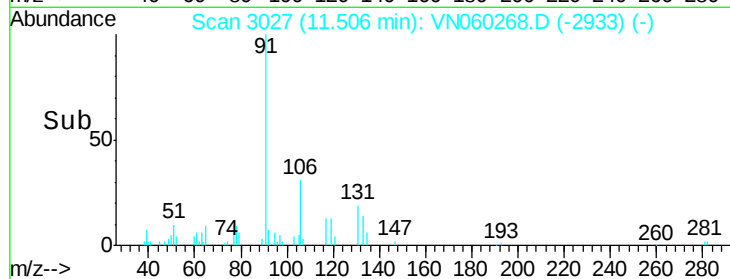
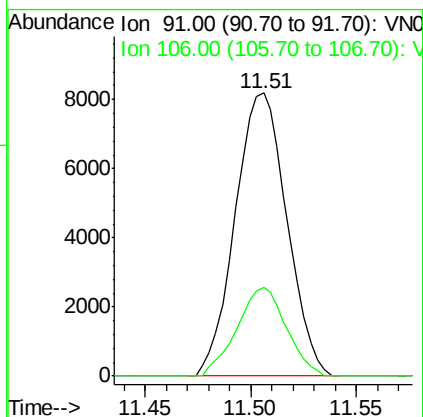
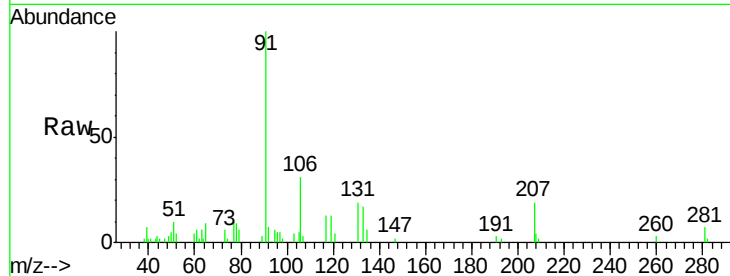




#67
Ethyl Benzene
Concen: 1.05 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN060268.D
Acq: 27 Feb 2020 13:23

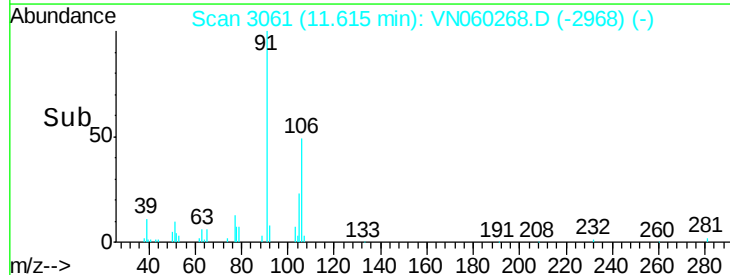
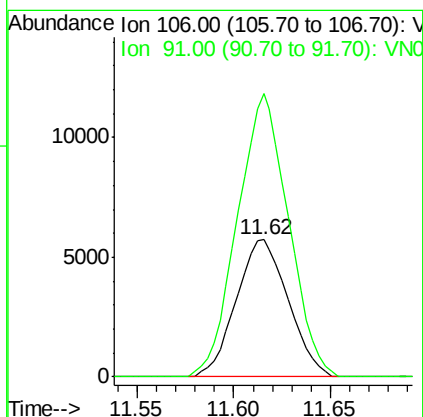
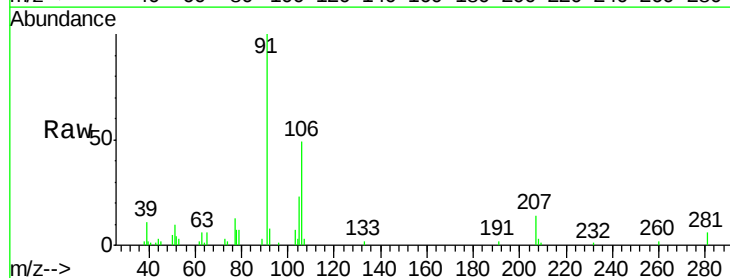
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

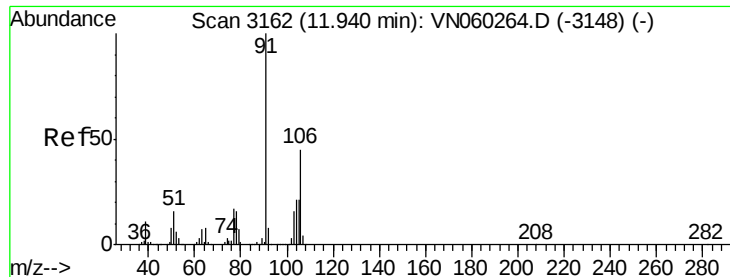
Tgt Ion: 91 Resp: 13915
Ion Ratio Lower Upper
91 100
106 31.2 24.7 37.1



#68
m/p-Xylenes
Concen: 2.18 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060268.D
Acq: 27 Feb 2020 13:23

Tgt Ion: 106 Resp: 10717
Ion Ratio Lower Upper
106 100
91 202.7 164.5 246.7

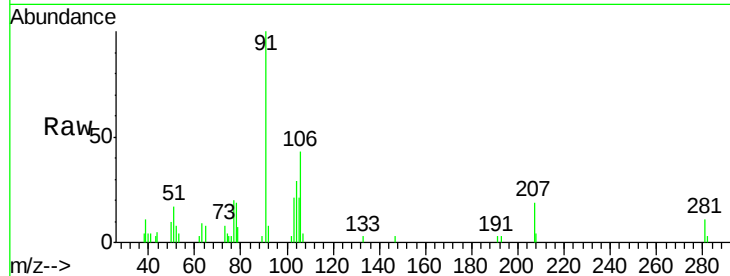




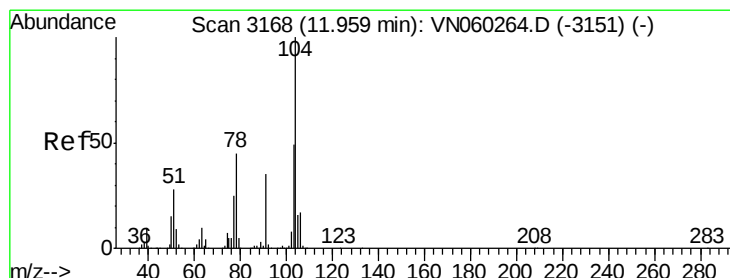
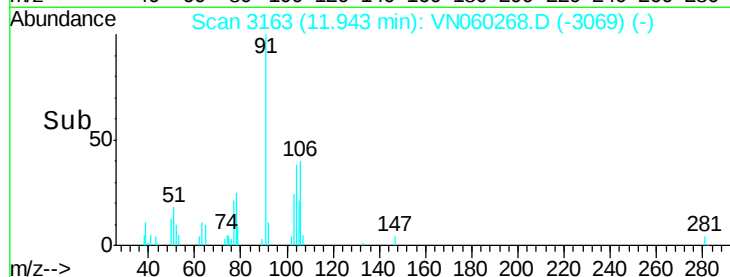
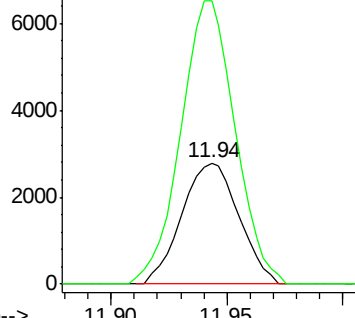
#69
o-Xylene
Concen: 0.98 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060268.D
Acq: 27 Feb 2020 13:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion:106 Resp: 4745
Ion Ratio Lower Upper
106 100
91 223.4 109.5 328.4

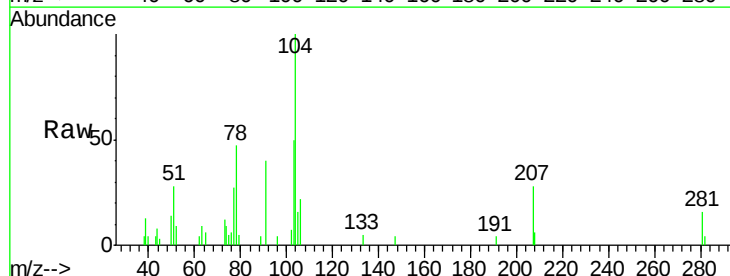


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

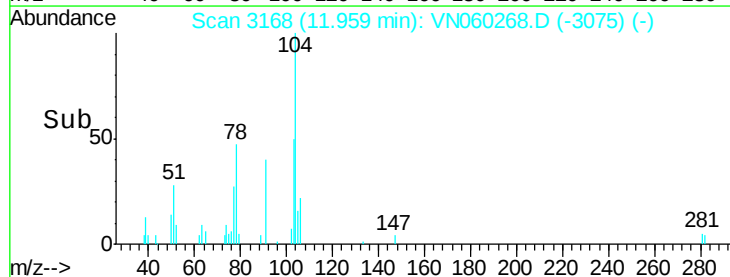
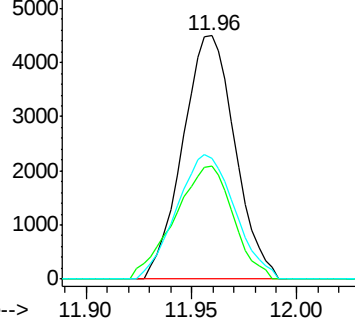


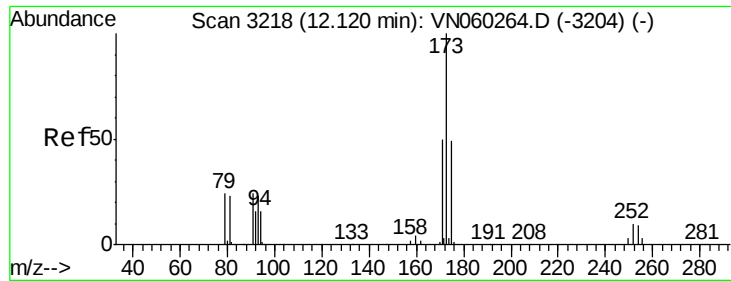
#70
Styrene
Concen: 0.99 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN060268.D
Acq: 27 Feb 2020 13:23

Tgt Ion:104 Resp: 7758
Ion Ratio Lower Upper
104 100
78 51.8 41.2 61.8
103 57.0 43.9 65.9



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





#71

Bromoform

Concen: 0.83 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

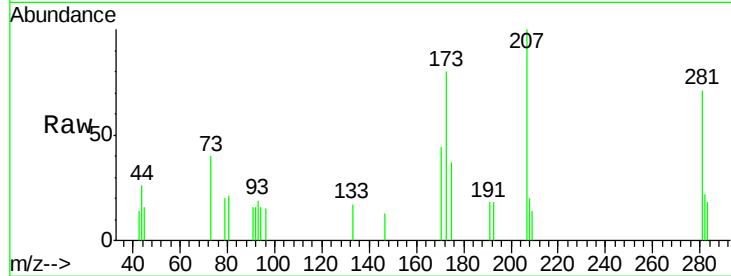
Tgt Ion:173 Resp: 1620

Ion Ratio Lower Upper

173 100

175 47.3 24.1 72.2

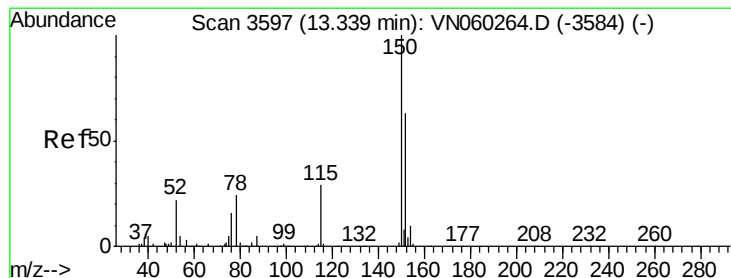
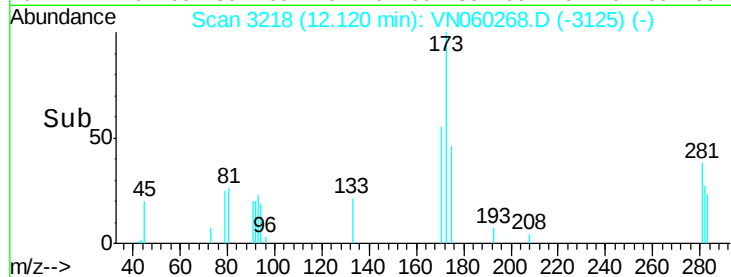
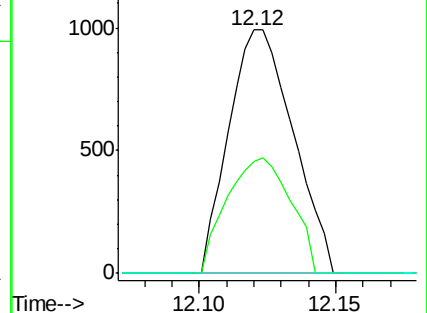
254 0.0 0.0 0.0



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: VN060268.D

Acq: 27 Feb 2020 13:23

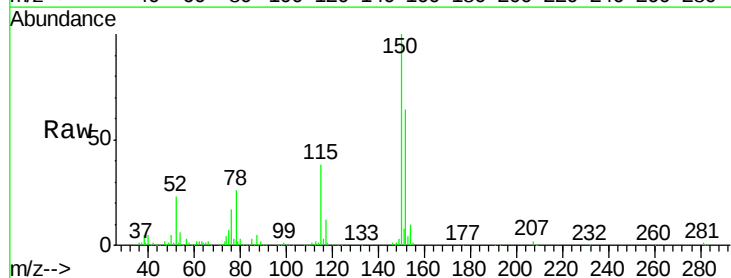
Tgt Ion:152 Resp: 162626

Ion Ratio Lower Upper

152 100

115 59.4 30.0 90.0

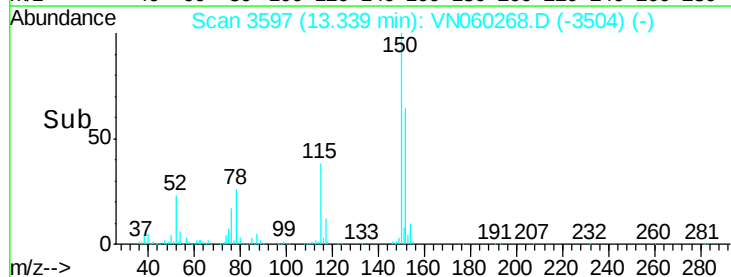
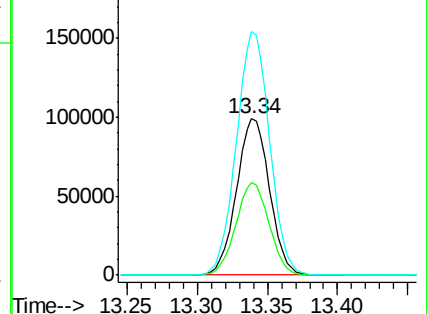
150 156.5 0.0 349.6

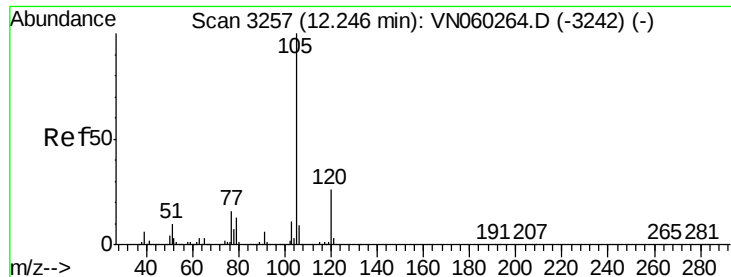


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.10 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

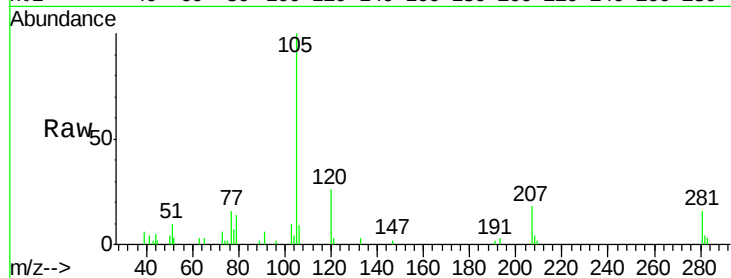
VSTDIC001

Tgt Ion: 105 Resp: 13321

Ion Ratio Lower Upper

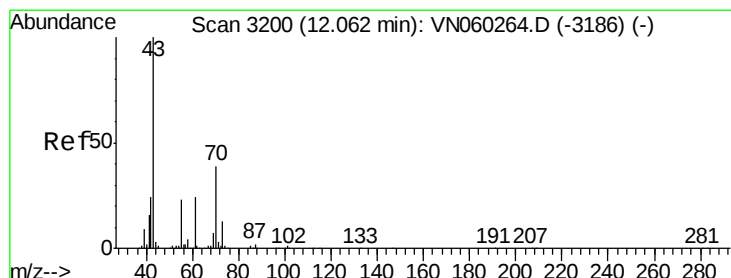
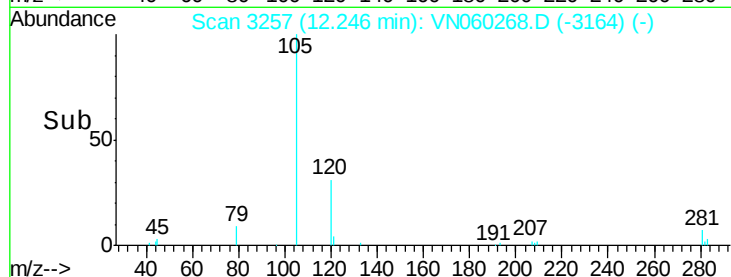
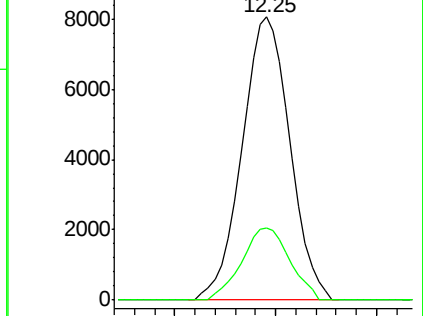
105 100

120 25.7 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: 1.14 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Tgt Ion: 43 Resp: 6004

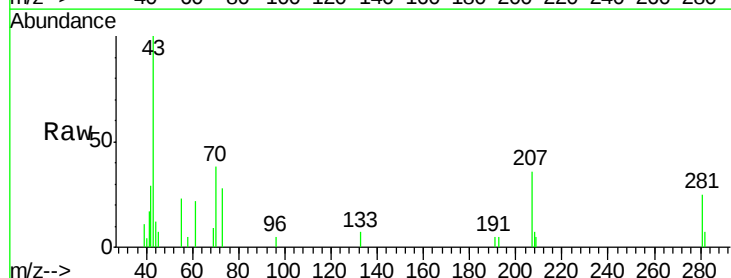
Ion Ratio Lower Upper

43 100

70 31.8 32.2 48.2#

55 19.6 18.2 27.4

61 18.2 19.2 28.8#

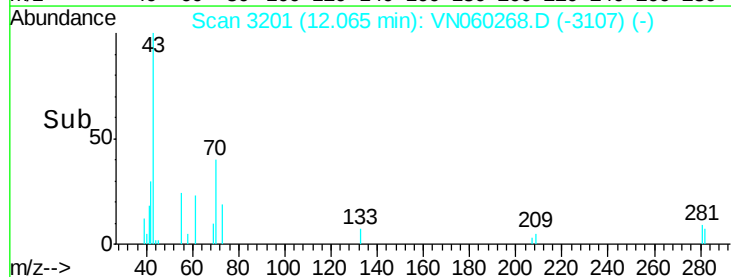
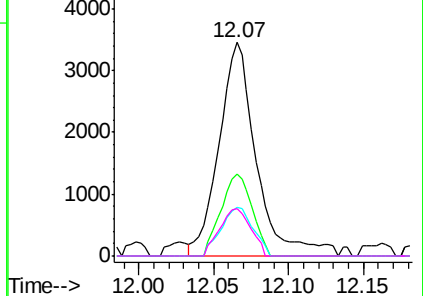


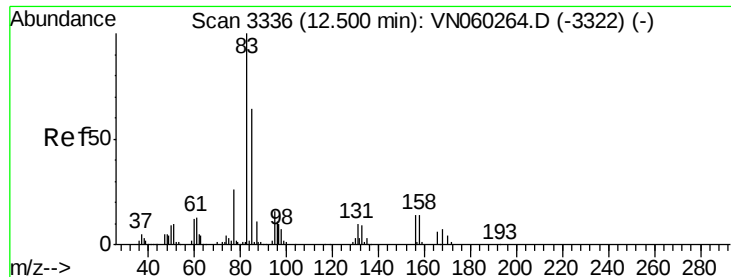
Abundance Ion 43.00 (42.70 to 43.70): V

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: 1.04 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

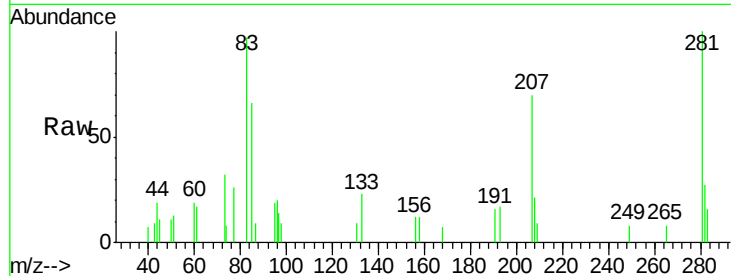
Tgt Ion: 83 Resp: 3455

Ion Ratio Lower Upper

83 100

131 8.5 5.1 15.3

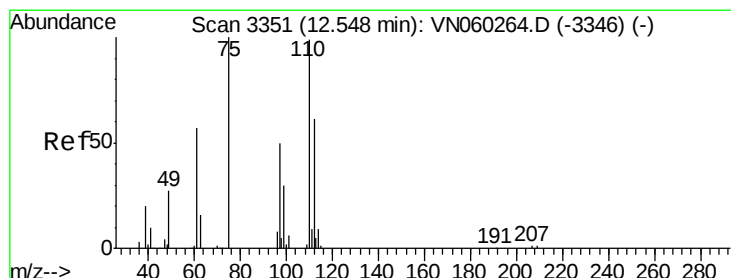
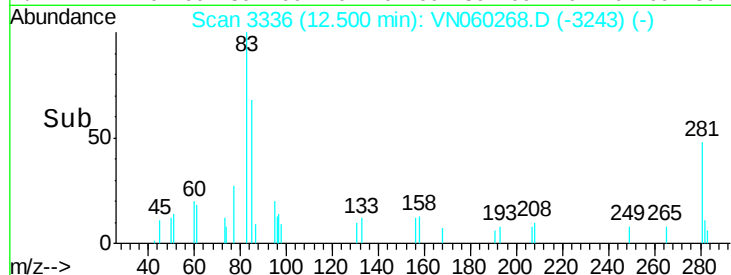
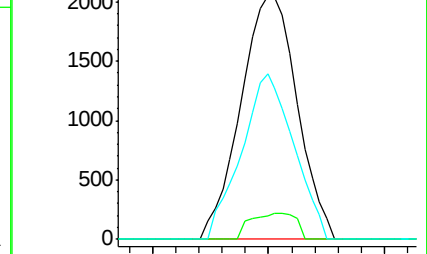
85 63.2 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN060268.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN060268.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN060268.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 1.52 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060268.D

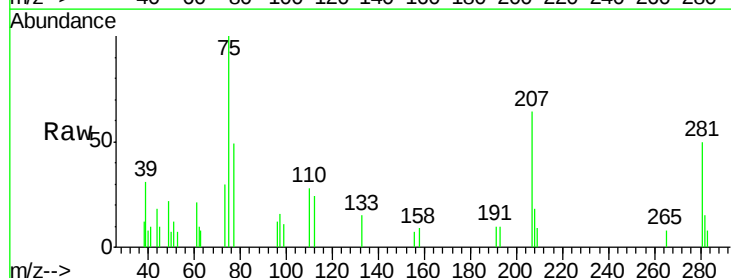
Acq: 27 Feb 2020 13:23

Tgt Ion: 75 Resp: 5610

Ion Ratio Lower Upper

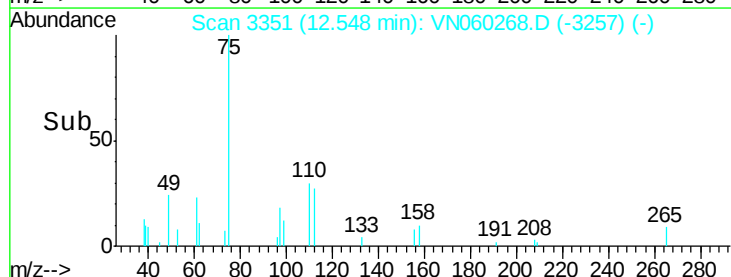
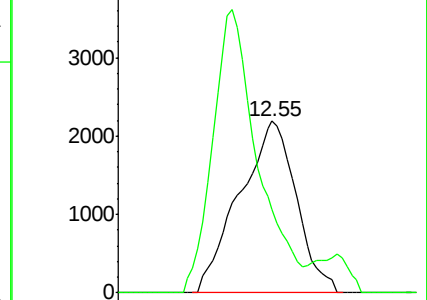
75 100

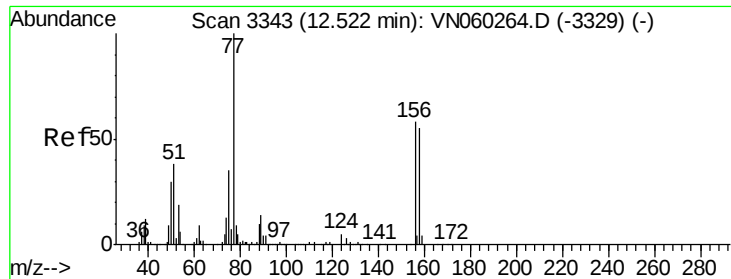
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060268.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN060268.D (-3346) (-)





#77

Bromobenzene

Concen: 1.14 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

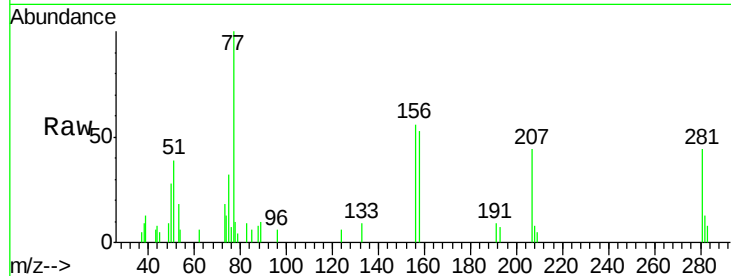
Tgt Ion:156 Resp: 3414

Ion Ratio Lower Upper

156 100

77 213.7 106.1 318.3

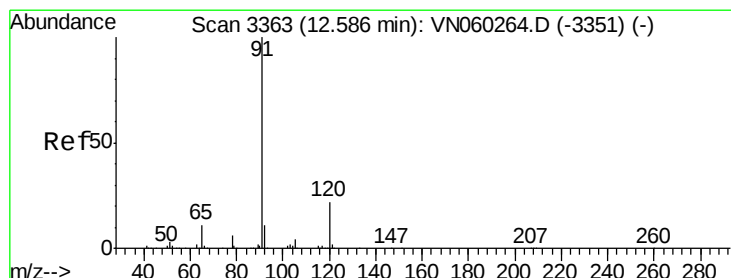
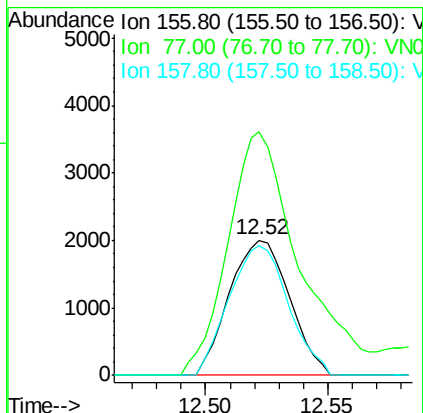
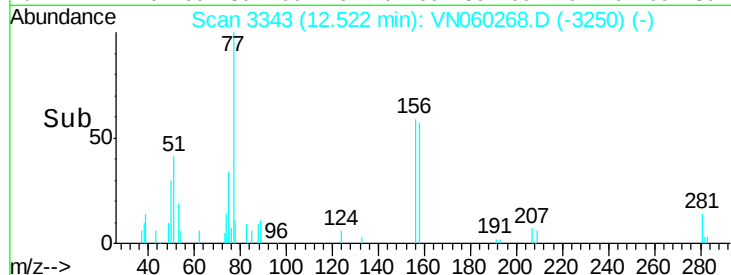
158 95.2 48.3 144.8



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: 1.11 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060268.D

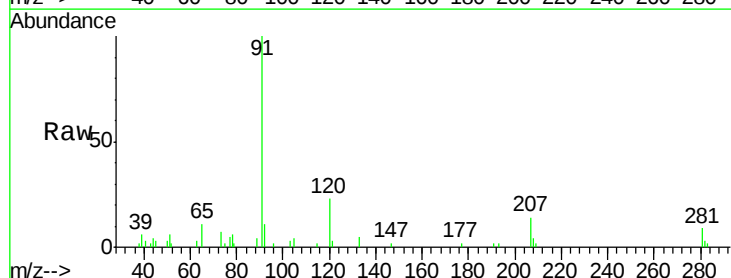
Acq: 27 Feb 2020 13:23

Tgt Ion: 91 Resp: 15892

Ion Ratio Lower Upper

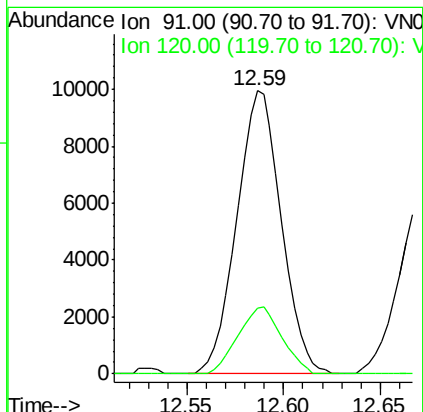
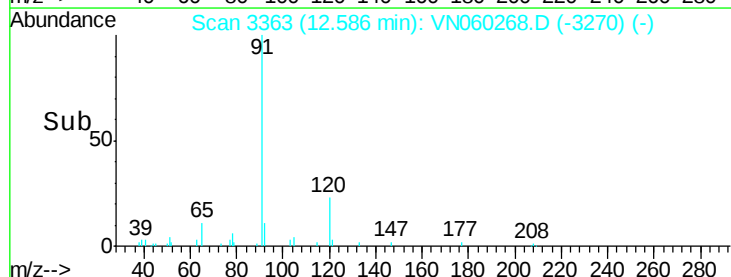
91 100

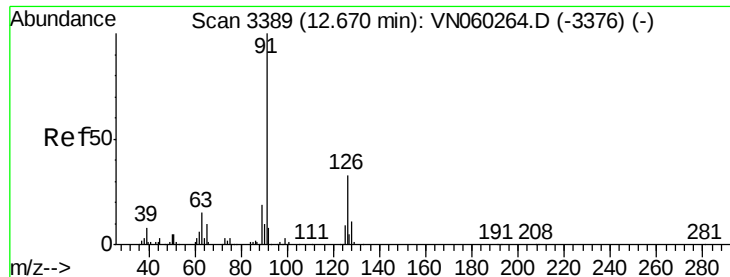
120 23.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.12 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

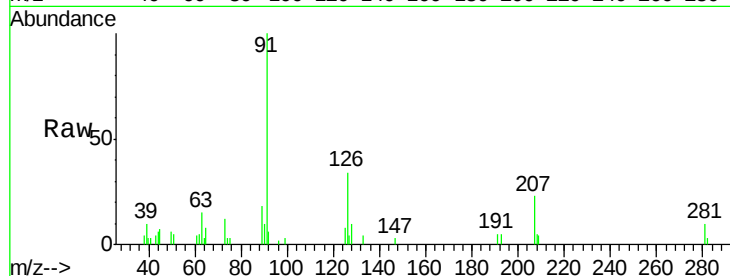
VSTDIC001

Tgt Ion: 91 Resp: 9395

Ion Ratio Lower Upper

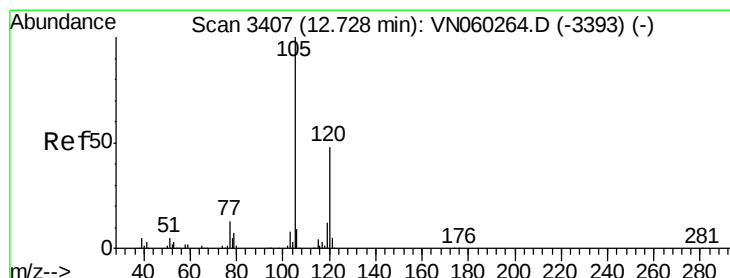
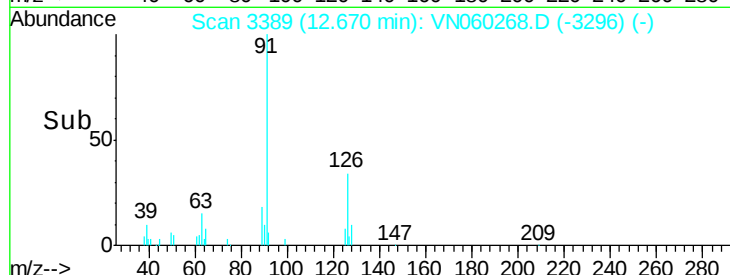
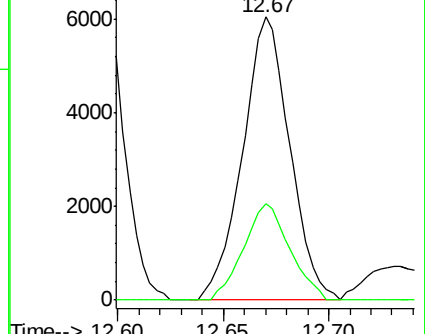
91 100

126 33.3 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN060264.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060264.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.08 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060268.D

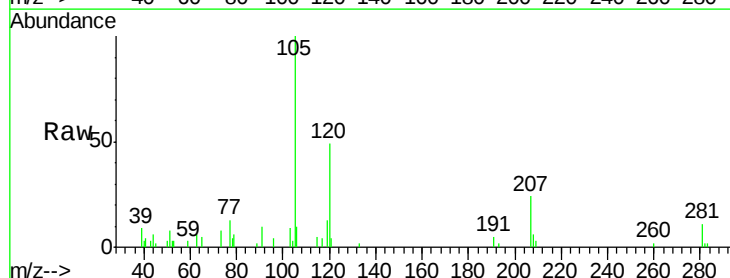
Acq: 27 Feb 2020 13:23

Tgt Ion: 105 Resp: 11119

Ion Ratio Lower Upper

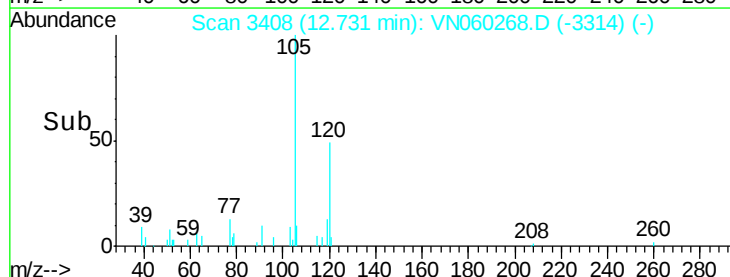
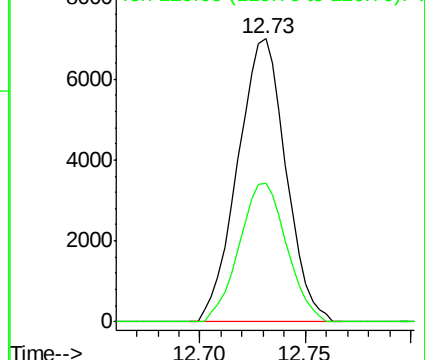
105 100

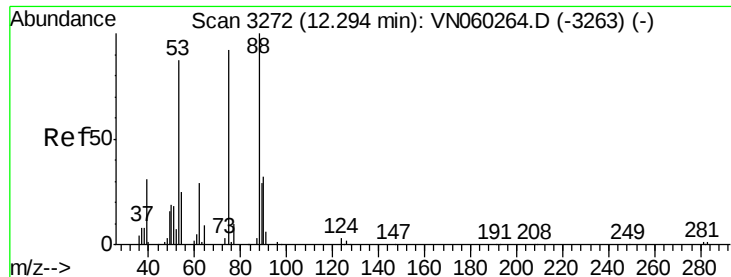
120 48.2 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060264.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN060264.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 1.03 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

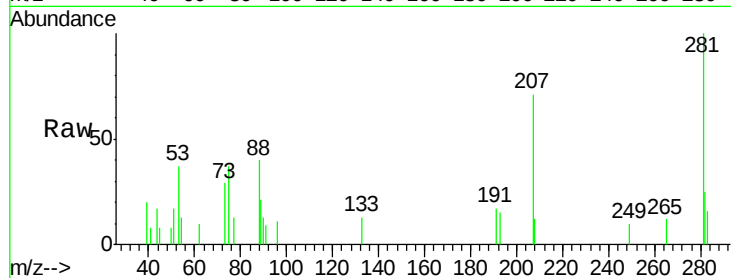
Tgt Ion: 75 Resp: 1337

Ion Ratio Lower Upper

75 100

53 90.0 73.8 110.6

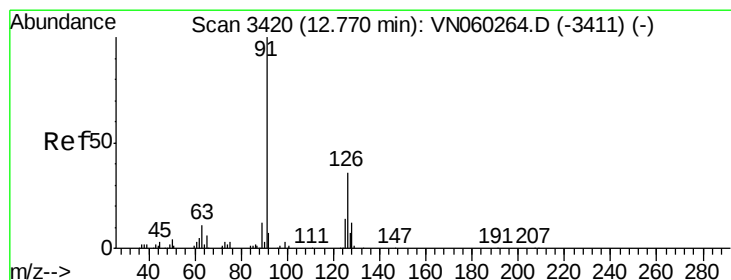
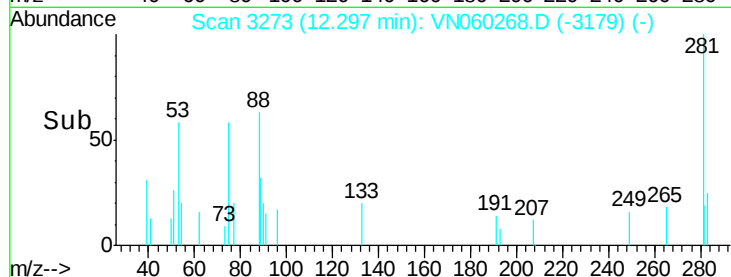
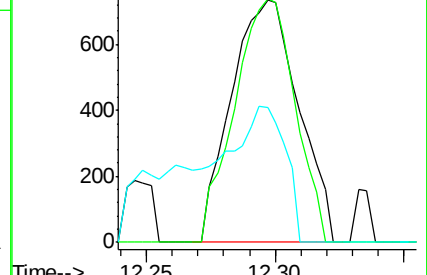
89 34.0 57.1 85.7#



Abundance Ion 74.90 (74.60 to 75.60): VN060268.D (-3273) (-)

Ion 53.00 (52.70 to 53.70): VN060268.D (-3273) (-)

Ion 88.90 (88.60 to 89.60): VN060268.D (-3273) (-)



#82

4-Chlorotoluene

Concen: 1.19 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN060268.D

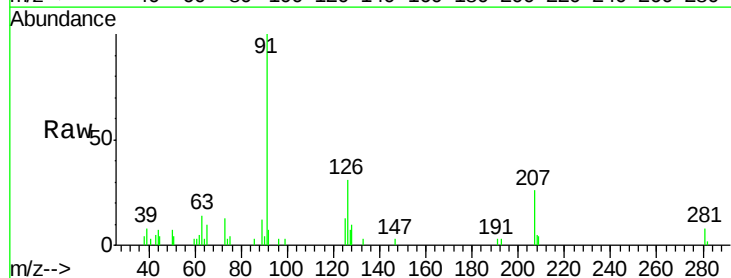
Acq: 27 Feb 2020 13:23

Tgt Ion: 91 Resp: 10532

Ion Ratio Lower Upper

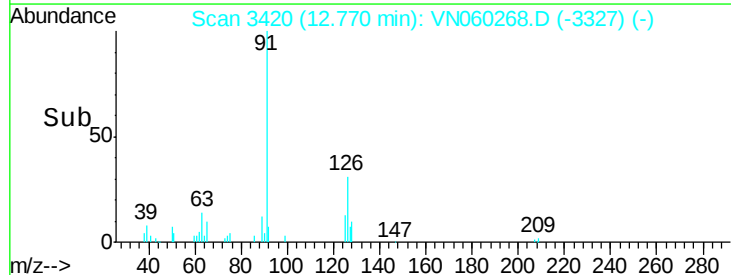
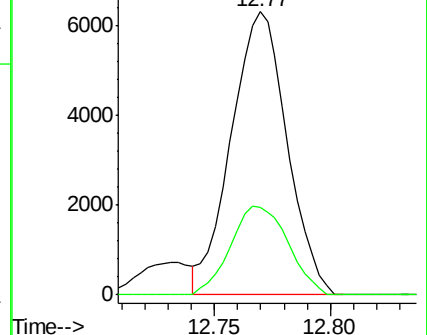
91 100

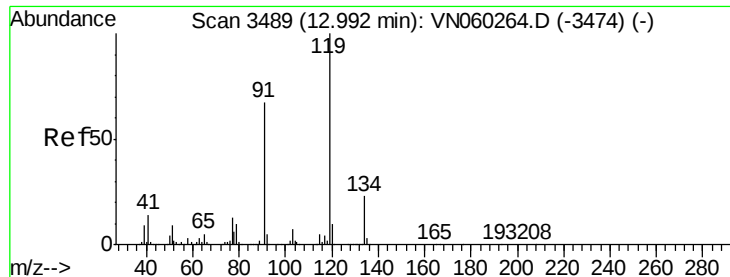
126 32.3 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN060268.D (-3420) (-)

Ion 125.90 (125.60 to 126.60): VN060268.D (-3420) (-)





#83

tert-Butylbenzene

Concen: 1.10 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

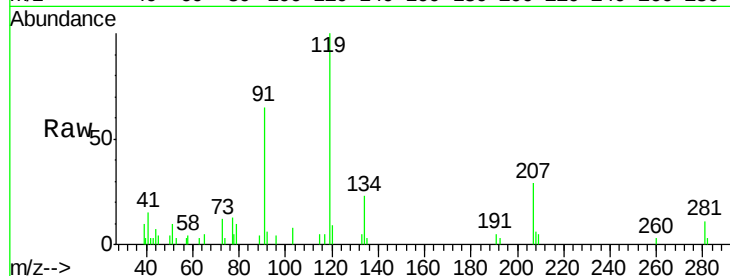
Tgt Ion:119 Resp: 9768

Ion Ratio Lower Upper

119 100

91 65.4 33.1 99.2

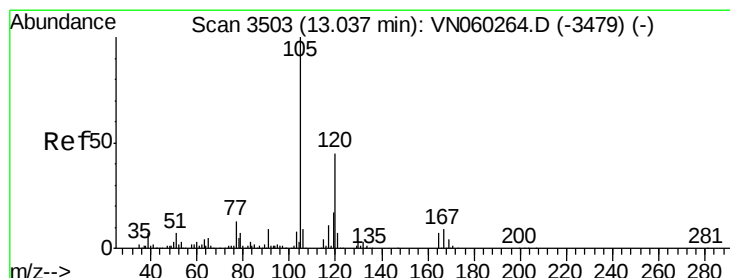
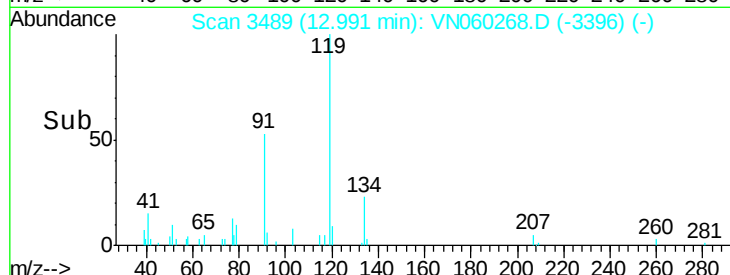
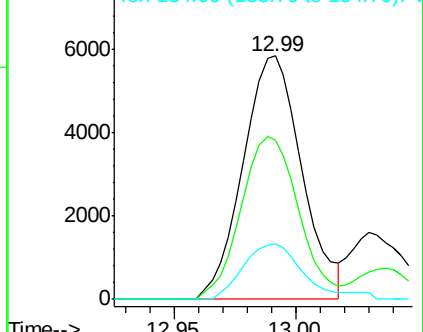
134 22.9 12.4 37.0



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: 1.08 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN060268.D

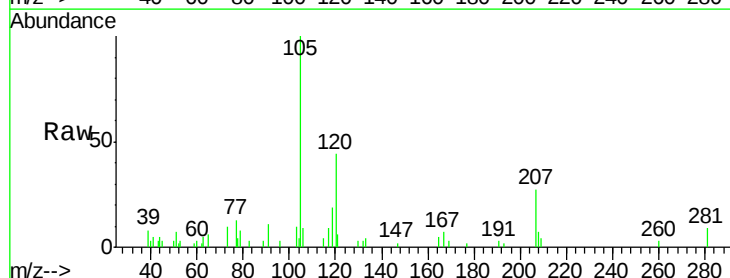
Acq: 27 Feb 2020 13:23

Tgt Ion:105 Resp: 11215

Ion Ratio Lower Upper

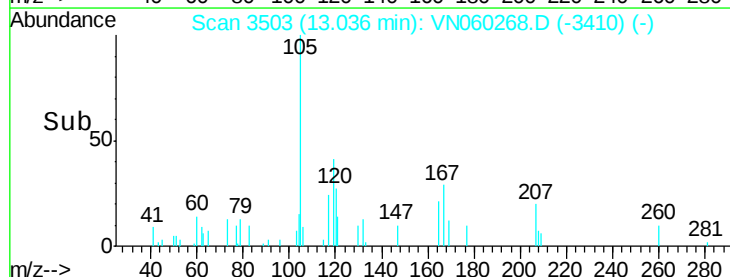
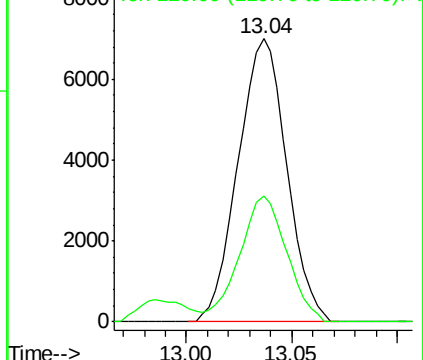
105 100

120 43.2 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

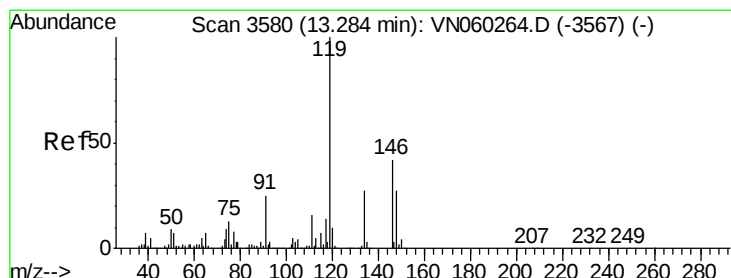
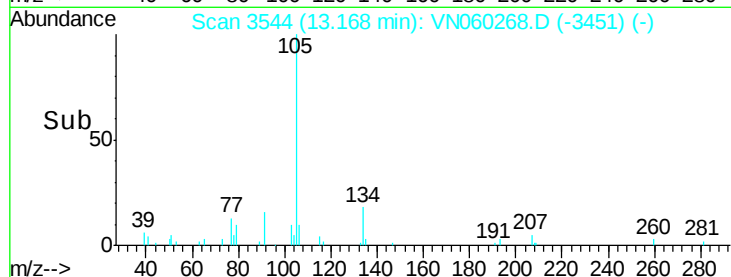
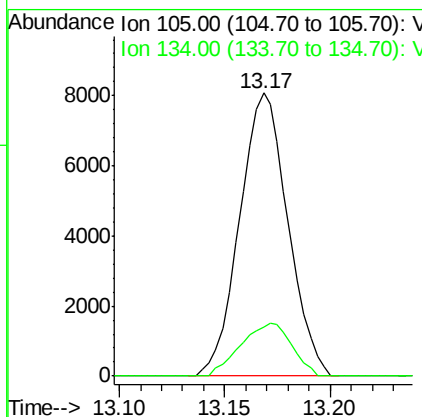
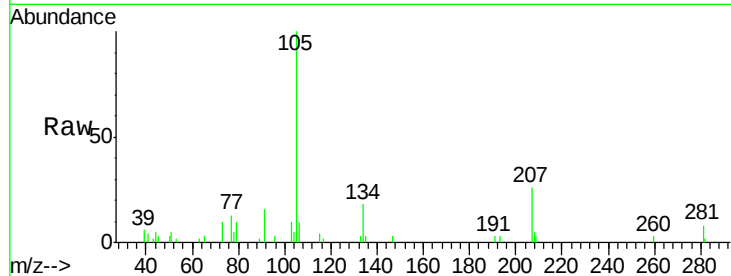




#85
 sec-Butylbenzene
 Concen: 1.06 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060268.D
 Acq: 27 Feb 2020 13:23

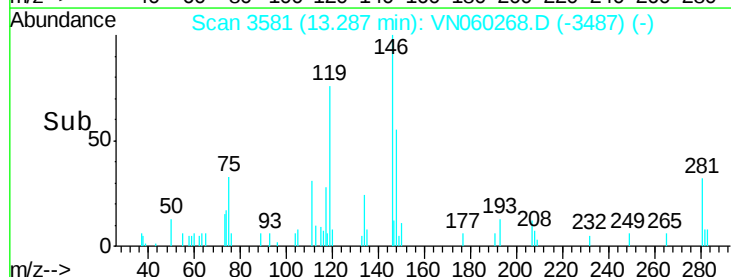
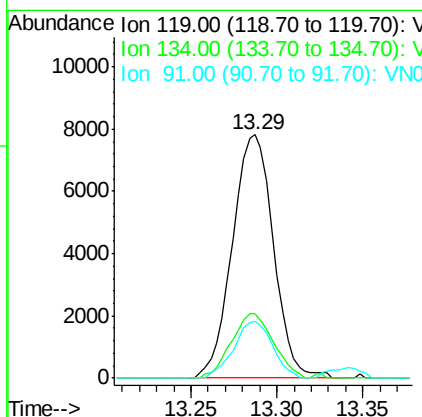
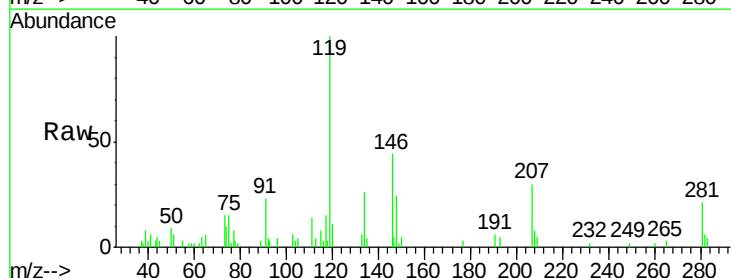
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

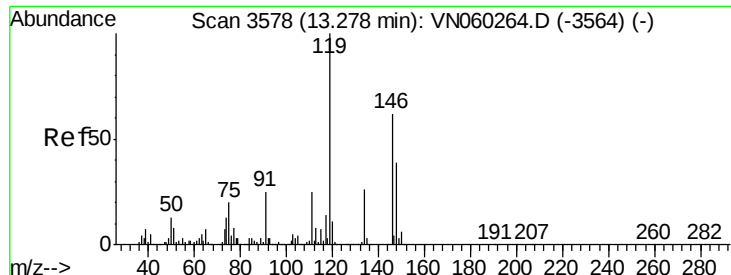
Tgt Ion:105 Resp: 12801
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 1.19 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN060268.D
 Acq: 27 Feb 2020 13:23

Tgt Ion:119 Resp: 12984
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.2 39.6
 91 21.7 12.2 36.6

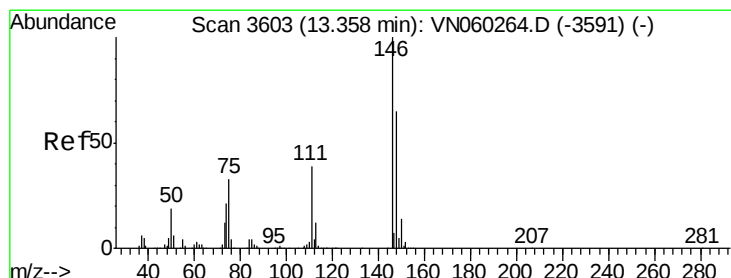
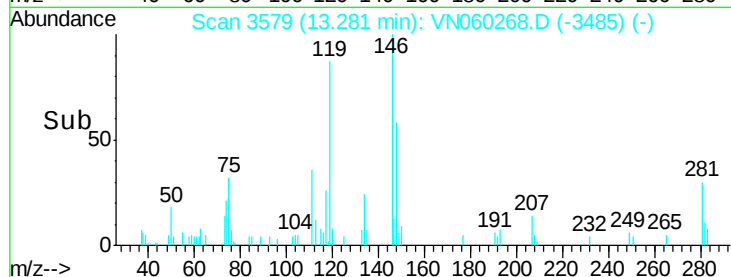
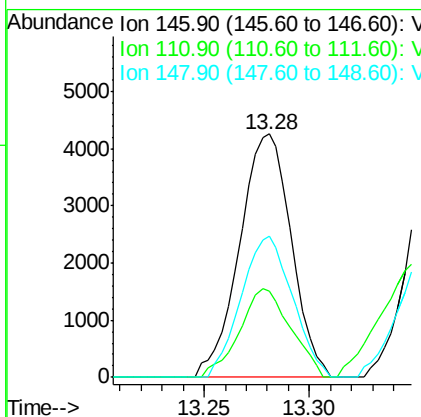
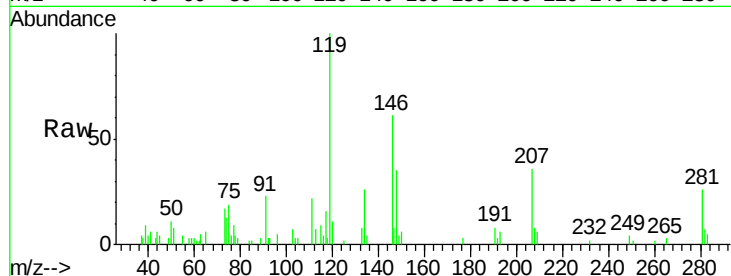




#87
 1,3-Dichlorobenzene
 Concen: 1.32 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN060268.D
 Acq: 27 Feb 2020 13:23

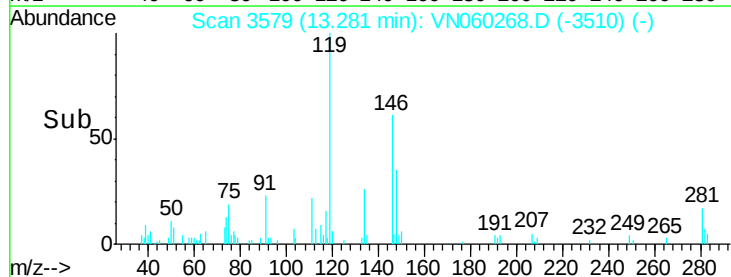
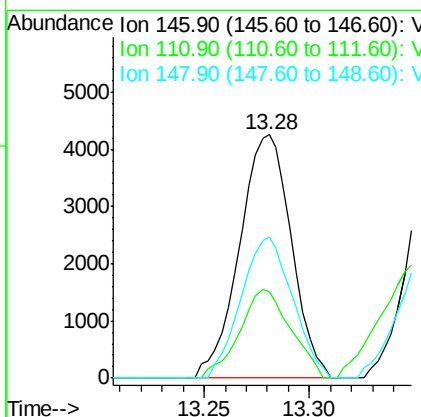
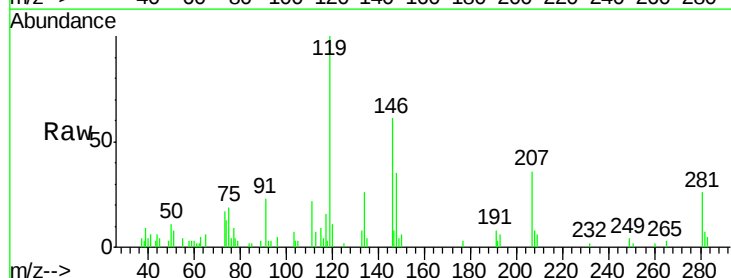
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

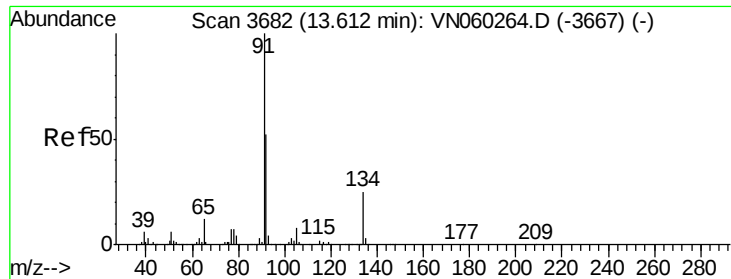
Tgt Ion:146 Resp: 7246
 Ion Ratio Lower Upper
 146 100
 111 36.1 20.0 59.9
 148 57.6 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 1.32 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN060268.D
 Acq: 27 Feb 2020 13:23

Tgt Ion:146 Resp: 7246
 Ion Ratio Lower Upper
 146 100
 111 36.1 19.8 59.4
 148 57.6 32.3 96.9

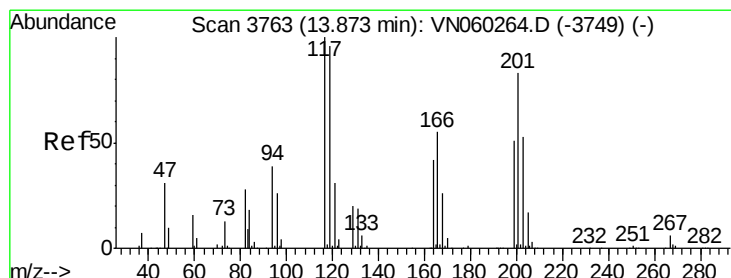
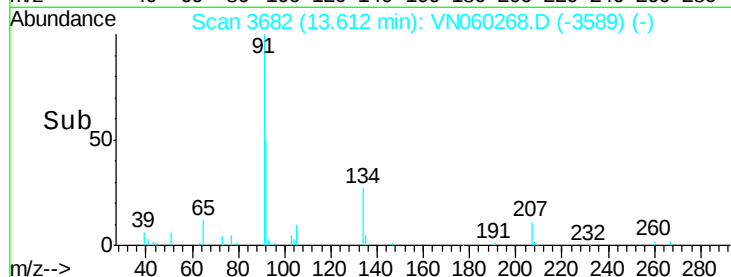
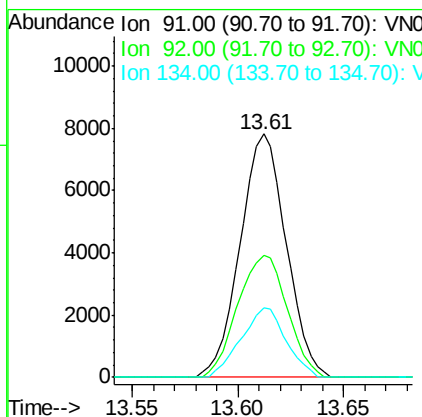
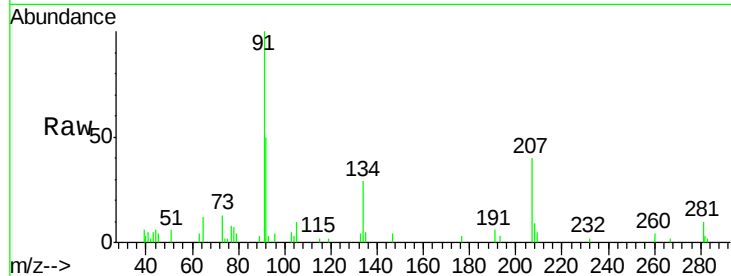




#89
n-Butylbenzene
Concen: 1.17 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN060268.D
Acq: 27 Feb 2020 13:23

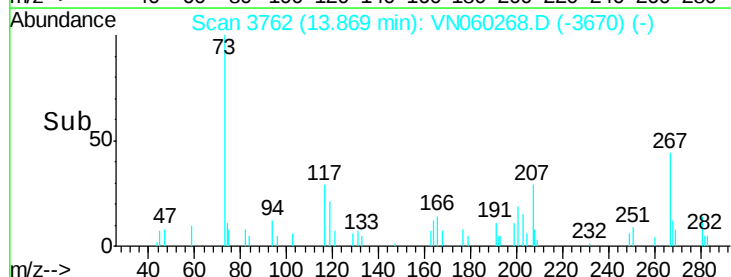
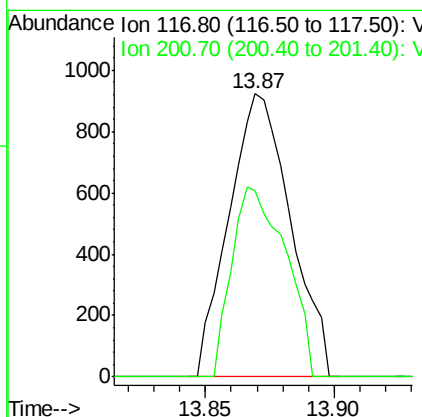
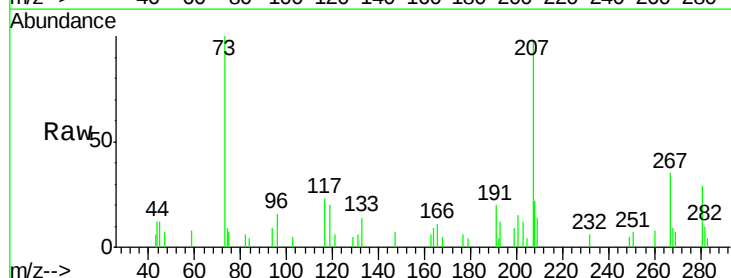
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

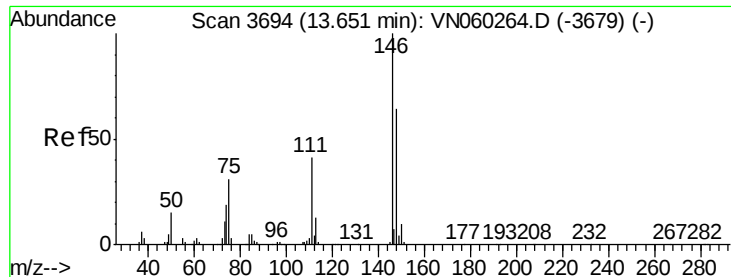
Tgt Ion: 91 Resp: 11856
Ion Ratio Lower Upper
91 100
92 53.9 26.0 78.0
134 27.7 12.7 38.1



#90
Hexachloroethane
Concen: 0.93 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060268.D
Acq: 27 Feb 2020 13:23

Tgt Ion: 117 Resp: 1534
Ion Ratio Lower Upper
117 100
201 58.7 41.0 123.0





#91

1,2-Dichlorobenzene

Concen: 1.18 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

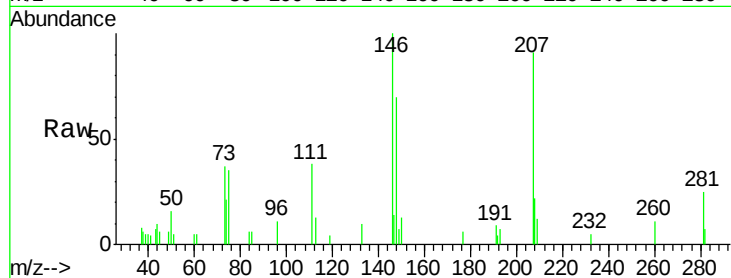
Tgt Ion:146 Resp: 6192

Ion Ratio Lower Upper

146 100

111 39.5 20.3 61.0

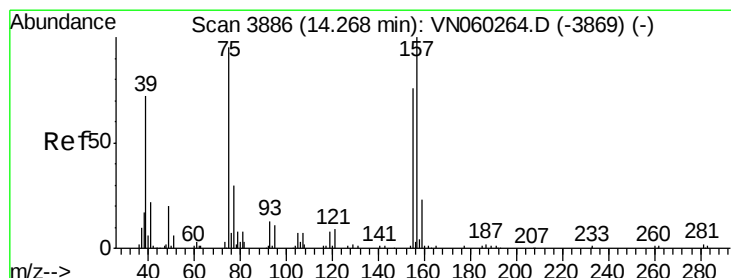
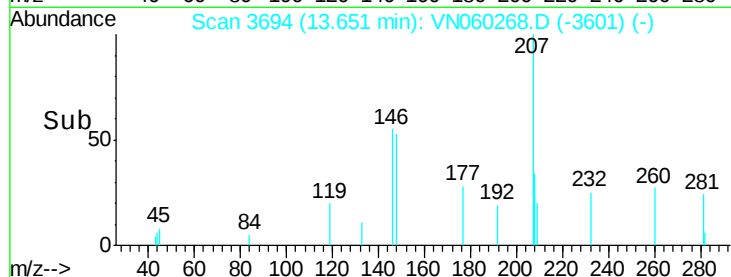
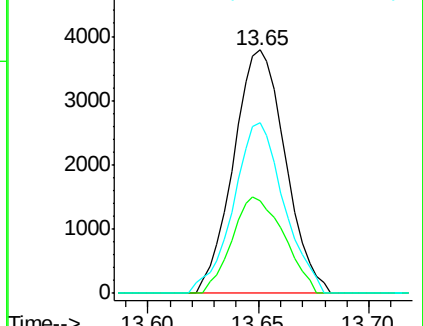
148 68.4 31.8 95.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.19 ug/l

RT: 14.26 min Scan# 3884

Delta R.T. -0.01 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

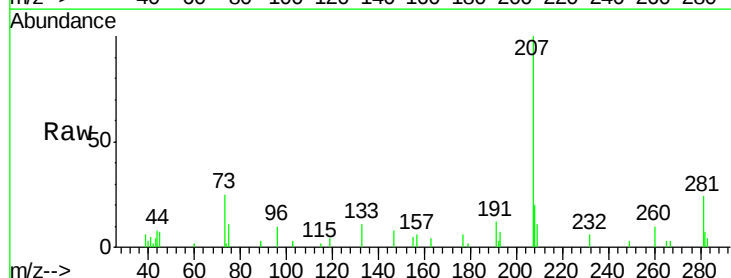
Tgt Ion: 75 Resp: 892

Ion Ratio Lower Upper

75 100

155 65.2 40.4 121.2

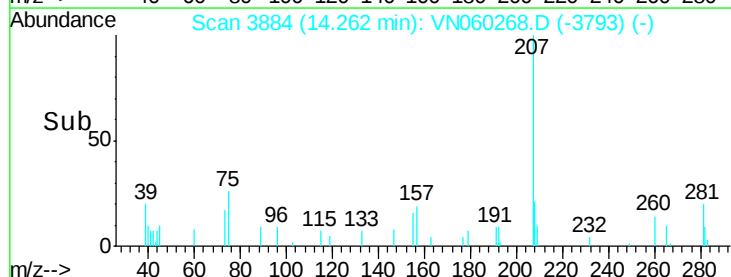
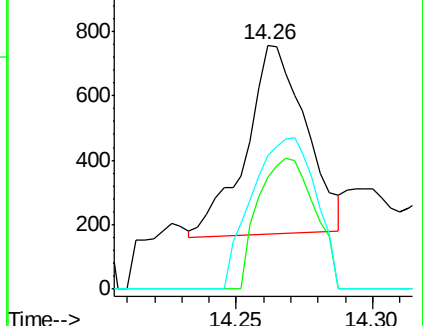
157 85.7 52.5 157.5



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

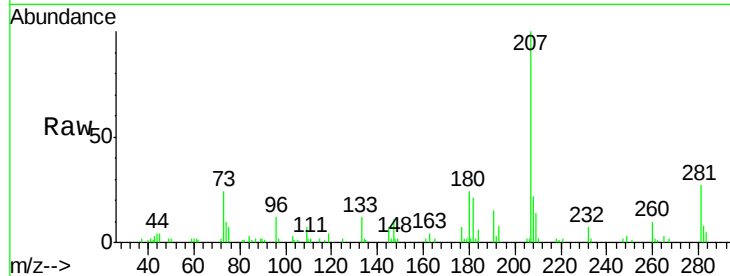




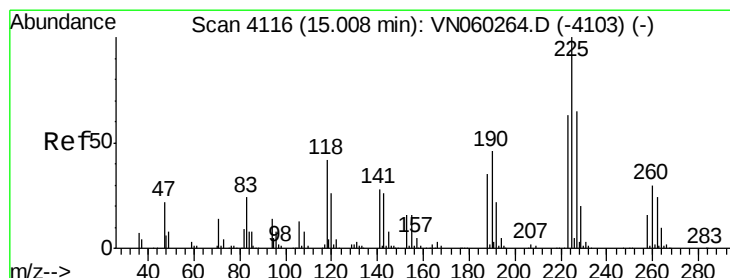
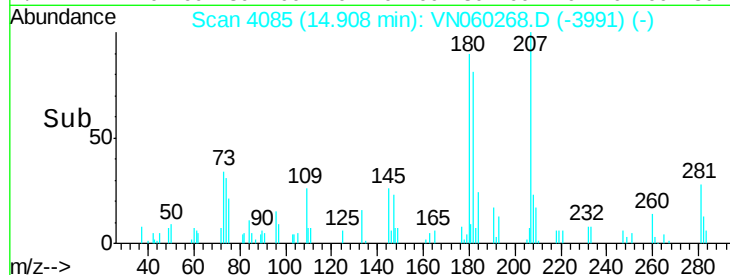
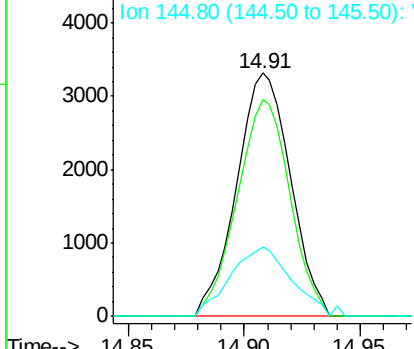
#93
 1,2,4-Trichlorobenzene
 Concen: 1.43 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060268.D
 Acq: 27 Feb 2020 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion:180 Resp: 5341
 Ion Ratio Lower Upper
 180 100
 182 87.2 47.8 143.3
 145 32.7 15.4 46.1

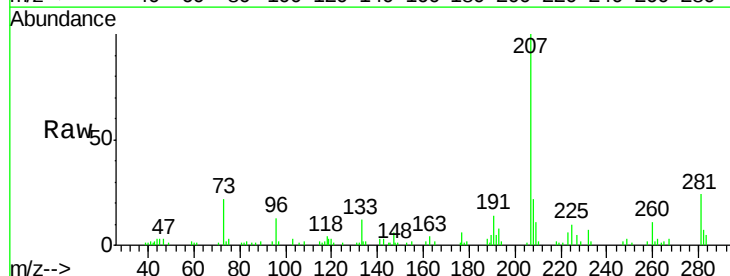


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

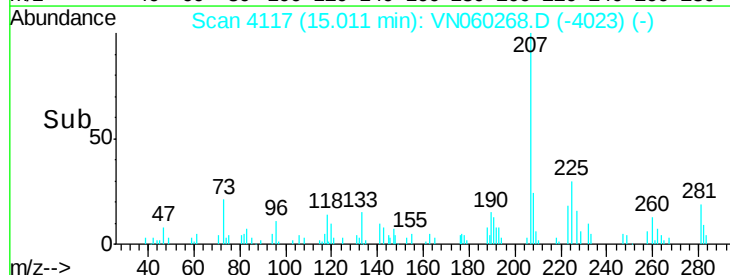
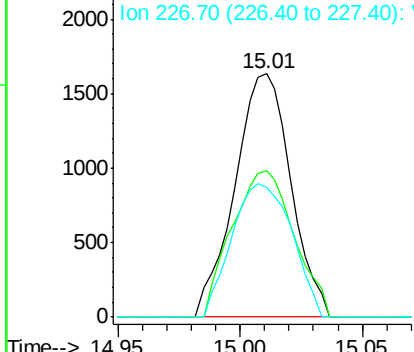


#94
 Hexachlorobutadiene
 Concen: 1.40 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN060268.D
 Acq: 27 Feb 2020 13:23

Tgt Ion:225 Resp: 2599
 Ion Ratio Lower Upper
 225 100
 223 66.8 31.3 93.9
 227 59.0 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 1.28 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

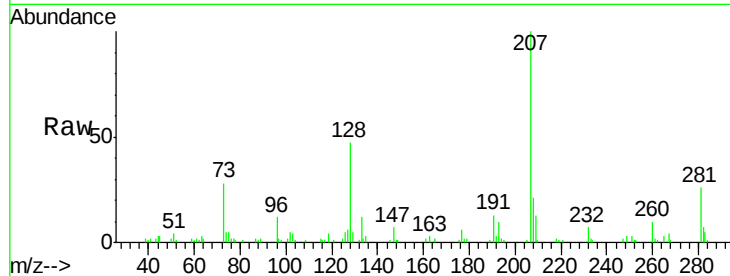
Tgt Ion:128 Resp: 14107

Ion Ratio Lower Upper

128 100

127 11.9 10.4 15.6

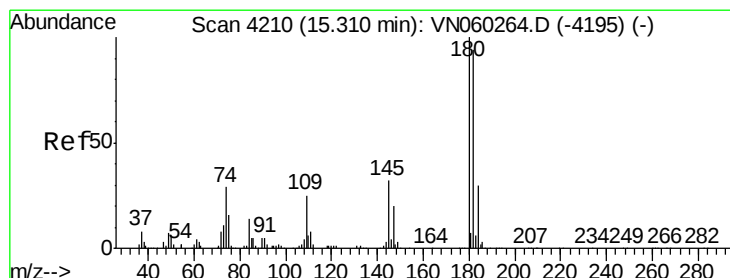
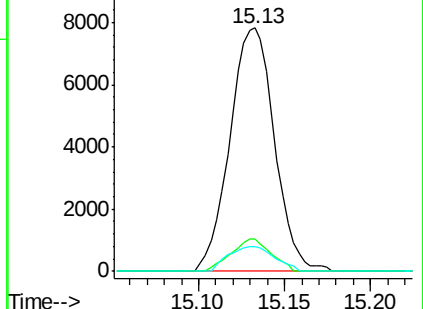
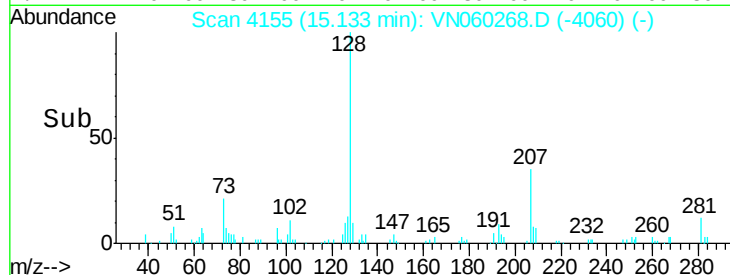
129 10.6 8.6 13.0



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: 1.35 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN060268.D

Acq: 27 Feb 2020 13:23

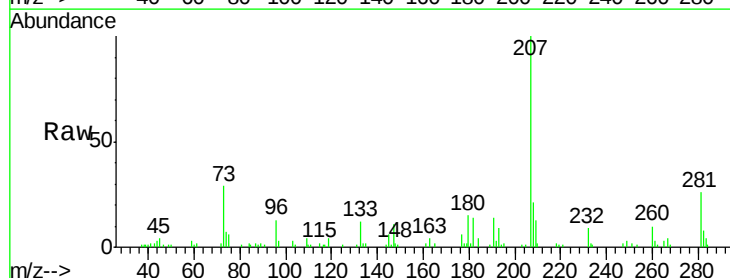
Tgt Ion:180 Resp: 4891

Ion Ratio Lower Upper

180 100

182 91.8 47.3 142.0

145 39.5 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

