

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
 Data File : VN061003.D
 Acq On : 16 Apr 2020 11:11
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Apr 16 12:49:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 16 12:43:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	176735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	293518	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	254816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	106859	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	2289	0.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.94%	
35) Dibromofluoromethane	7.56	113	1458	0.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.66%	
50) Toluene-d8	10.08	98	6648	0.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.90%	
62) 4-Bromofluorobenzene	12.40	95	3421	1.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.62%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	1478	0.815	ug/l 93
3) Chloromethane	2.04	50	2768	0.865	ug/l 94
4) Vinyl Chloride	2.17	62	2259	0.896	ug/l 92
5) Bromomethane	2.55	94	1250	1.112	ug/l 99
6) Chloroethane	2.68	64	1223	0.842	ug/l 97
7) Trichlorofluoromethane	3.00	101	2846	0.913	ug/l 97
8) Diethyl Ether	3.39	74	1081	0.867	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.73	101	1840	1.025	ug/l # 84
10) Methyl Iodide	3.92	142	1281	0.793	ug/l # 80
11) Tert butyl alcohol	4.72	59	865	2.366	ug/l # 73
12) 1,1-Dichloroethene	3.71	96	1754	0.914	ug/l 92
13) Acrolein	3.58	56	1313	3.449	ug/l 94
14) Allyl chloride	4.29	41	3306	0.968	ug/l 95
15) Acrylonitrile	4.95	53	3907	3.688	ug/l 95
16) Acetone	3.79	43	4549	5.098	ug/l 96
17) Carbon Disulfide	4.02	76	5741	0.981	ug/l 97
18) Methyl Acetate	4.29	43	2574	1.011	ug/l # 60
19) Methyl tert-butyl Ether	5.00	73	6246	0.944	ug/l # 88
20) Methylene Chloride	4.52	84	1998	0.941	ug/l 97
21) trans-1,2-Dichloroethene	5.01	96	1826	0.893	ug/l 81
22) Diisopropyl ether	5.91	45	6853	0.955	ug/l # 87
23) Vinyl Acetate	5.86	43	25559	4.389	ug/l 97
24) 1,1-Dichloroethane	5.81	63	3753	0.960	ug/l # 85
25) 2-Butanone	6.80	43	6457	4.550	ug/l 95
26) 2,2-Dichloropropane	6.79	77	2014	0.644	ug/l 94
27) cis-1,2-Dichloroethene	6.79	96	2174	0.933	ug/l 90
28) Bromochloromethane	7.17	49	1835	0.986	ug/l # 94
29) Tetrahydrofuran	7.18	42	4283	4.303	ug/l 93
30) Chloroform	7.35	83	3408	0.911	ug/l 100
31) Cyclohexane	7.63	56	7482	1.888	ug/l # 43
32) 1,1,1-Trichloroethane	7.54	97	2988	0.931	ug/l # 51
36) 1,1-Dichloropropene	7.77	75	2898	1.012	ug/l 91
37) Ethyl Acetate	6.90	43	2096	0.674	ug/l # 69
38) Carbon Tetrachloride	7.75	117	1970	0.772	ug/l 95

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Quant Time: Apr 16 12:49:58 2020
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 Quant Title : SW846 8260
 QLast Update : Thu Apr 16 12:43:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	3264	0.955	ug/l	97
40) Benzene	8.02	78	8392	0.972	ug/l	98
41) Methacrylonitrile	7.14	41	1306	0.983	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	2737	0.926	ug/l #	76
43) Isopropyl Acetate	8.13	43	4619	0.903	ug/l #	94
44) Trichloroethene	8.82	130	2155	0.994	ug/l	87
45) 1,2-Dichloropropane	9.10	63	2261	0.990	ug/l	97
46) Dibromomethane	9.18	93	1054	0.767	ug/l	92
47) Bromodichloromethane	9.38	83	2507	0.875	ug/l #	95
48) Methyl methacrylate	9.18	41	1915	0.839	ug/l	94
49) 1,4-Dioxane	9.18	88	317	11.531	ug/l #	53
51) 4-Methyl-2-Pentanone	9.97	43	12808	4.391	ug/l	95
52) Toluene	10.14	92	5042	0.967	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	2847	0.864	ug/l	94
54) cis-1,3-Dichloropropene	9.82	75	3125	0.863	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	1750	0.873	ug/l	97
56) Ethyl methacrylate	10.42	69	2327	0.744	ug/l	97
57) 1,3-Dichloropropane	10.70	76	3266	0.937	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.68	63	5857	3.923	ug/l	98
59) 2-Hexanone	10.74	43	8669	4.128	ug/l	94
60) Dibromochloromethane	10.89	129	1674	0.811	ug/l	96
61) 1,2-Dibromoethane	11.00	107	1773	0.882	ug/l	96
64) Tetrachloroethene	10.62	164	1778	0.891	ug/l	95
65) Chlorobenzene	11.42	112	5002	0.984	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.50	131	1732	0.943	ug/l #	66
67) Ethyl Benzene	11.50	91	9293	0.983	ug/l	98
68) m/p-Xylenes	11.61	106	6436	1.840	ug/l	98
69) o-Xylene	11.94	106	3071	0.920	ug/l	99
70) Styrene	11.96	104	4314	0.789	ug/l	94
71) Bromoform	12.12	173	1043	0.762	ug/l #	88
73) Isopropylbenzene	12.24	105	8797	1.091	ug/l	96
74) N-amyl acetate	12.07	43	3752	1.003	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.50	83	2480	1.012	ug/l #	90
76) 1,2,3-Trichloropropane	12.55	75	3017	1.304	ug/l #	100
77) Bromobenzene	12.52	156	2033	1.050	ug/l	93
78) n-propylbenzene	12.58	91	9406	0.984	ug/l	100
79) 2-Chlorotoluene	12.67	91	5650	0.993	ug/l	99
80) 1,3,5-Trimethylbenzene	12.72	105	6618	0.966	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	738	0.815	ug/l #	90
82) 4-Chlorotoluene	12.77	91	5813	1.001	ug/l	99
83) tert-Butylbenzene	12.99	119	5663	0.997	ug/l	95
84) 1,2,4-Trimethylbenzene	13.03	105	6217	0.918	ug/l	98
85) sec-Butylbenzene	13.17	105	7580	0.990	ug/l	98
86) p-Isopropyltoluene	13.28	119	6619	0.962	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	3453	1.008	ug/l	93
88) 1,4-Dichlorobenzene	13.28	146	3453	1.004	ug/l	93
89) n-Butylbenzene	13.61	91	5821	0.933	ug/l	100
90) Hexachloroethane	13.87	117	963	0.960	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	3327	1.018	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	369	0.672	ug/l	84

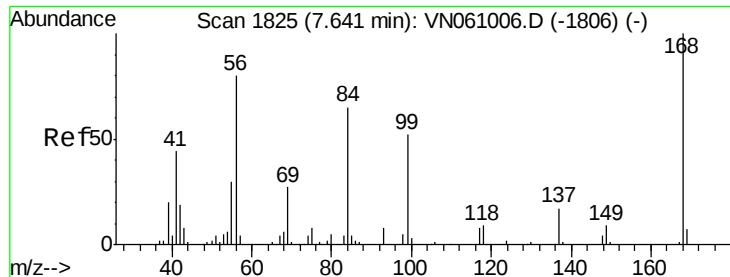
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
Data File : VN061003.D
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Quant Title : SW846 8260
QLast Update : Thu Apr 16 12:43:37 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	1653	0.824	ug/l	97
94) Hexachlorobutadiene	15.01	225	985	0.994	ug/l	95
95) Naphthalene	15.13	128	4582	0.764	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.31	180	1553	0.786	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

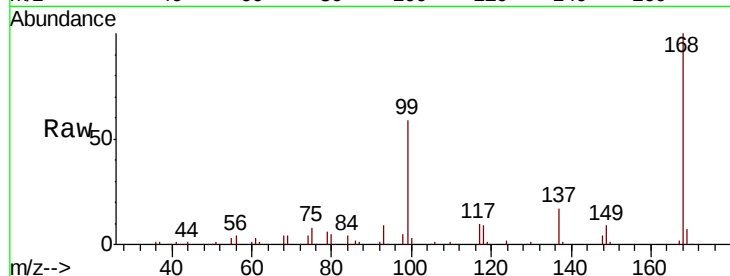
VSTDIC001

Tot Ion:168 Resp: 176735

Ion Ratio Lower Upper

168 100

99 59.4 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

40000

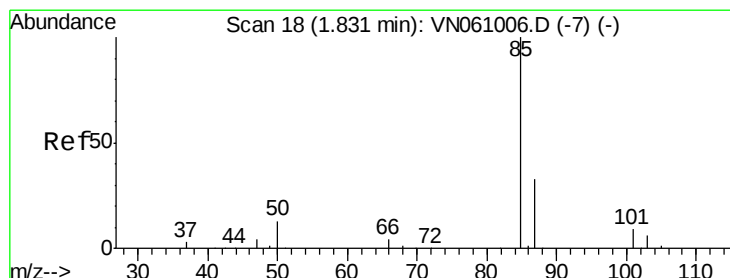
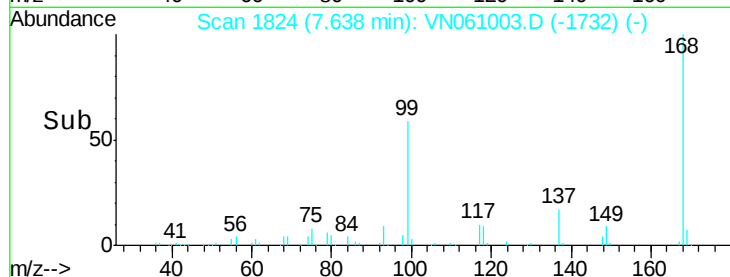
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 0.815 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN061003.D

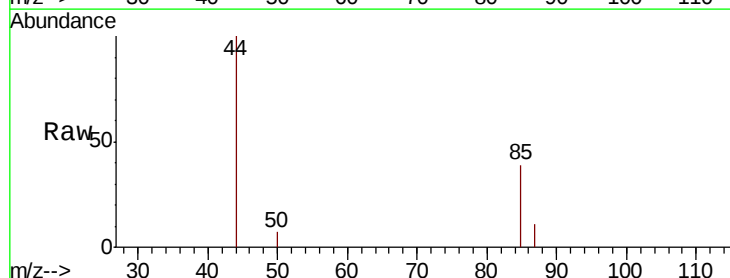
Acq: 16 Apr 2020 11:11

Tgt Ion: 85 Resp: 1478

Ion Ratio Lower Upper

85 100

87 28.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

1200

1000

800

600

400

200

0

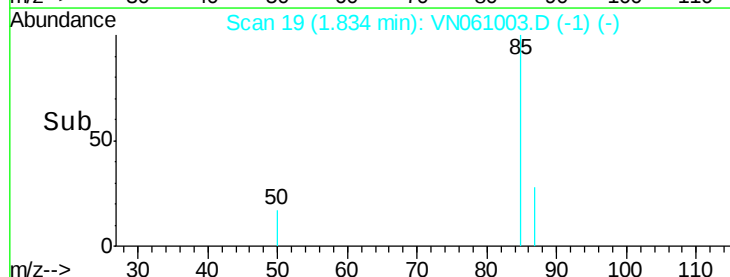
1.80

1.82

1.84

1.86

Time-->





#3

Chloromethane

Concen: 0.865 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

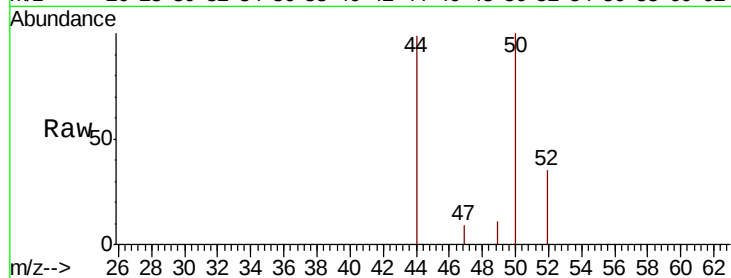
VSTDIC001

Tot Ion: 50 Resp: 2768

Ion Ratio Lower Upper

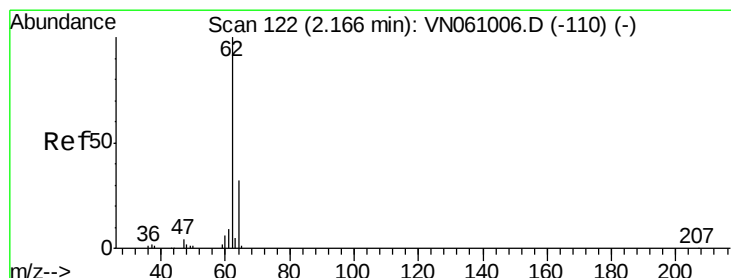
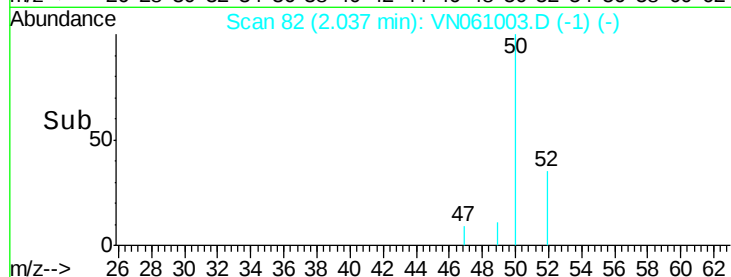
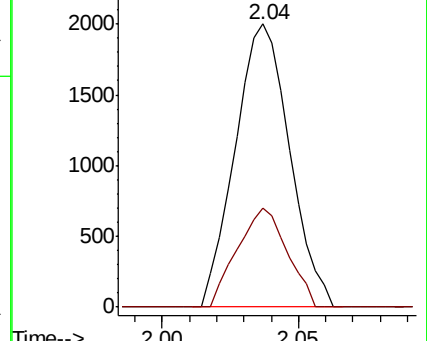
50 100

52 35.1 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 0.896 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN061003.D

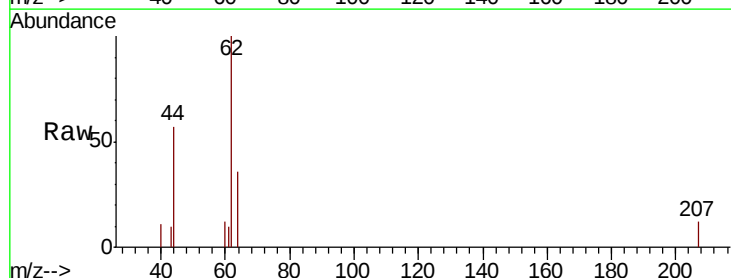
Acq: 16 Apr 2020 11:11

Tgt Ion: 62 Resp: 2259

Ion Ratio Lower Upper

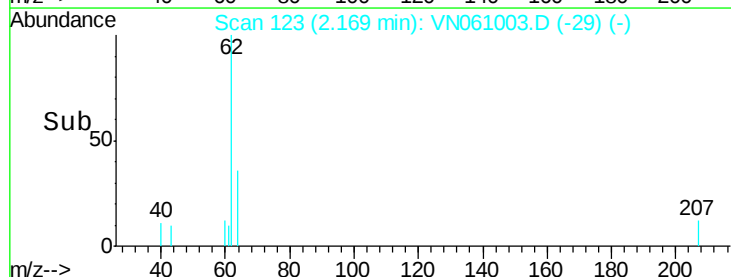
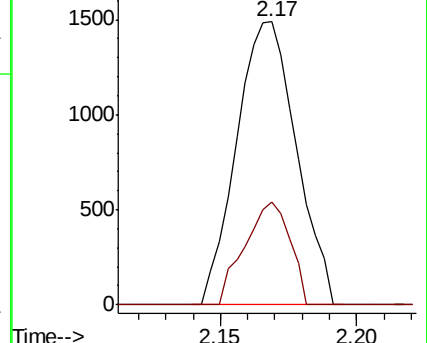
62 100

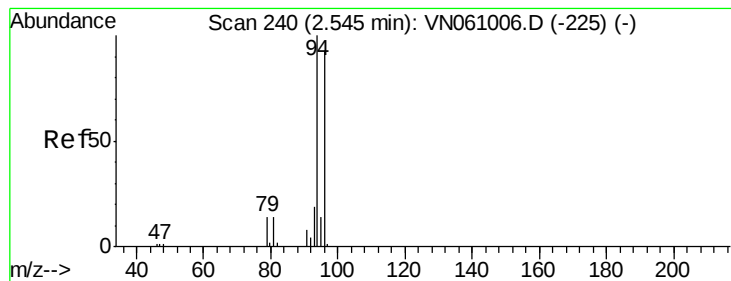
64 36.2 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 1.112 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

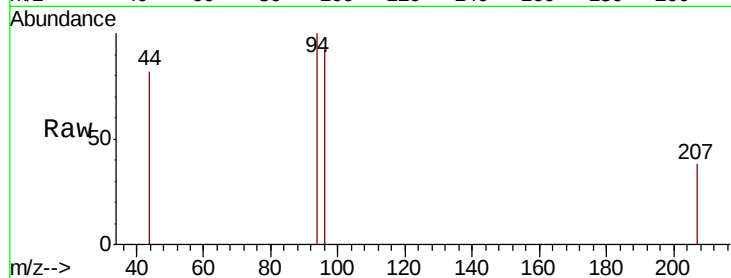
VSTDIC001

Tot Ion: 94 Resp: 1250

Ion Ratio Lower Upper

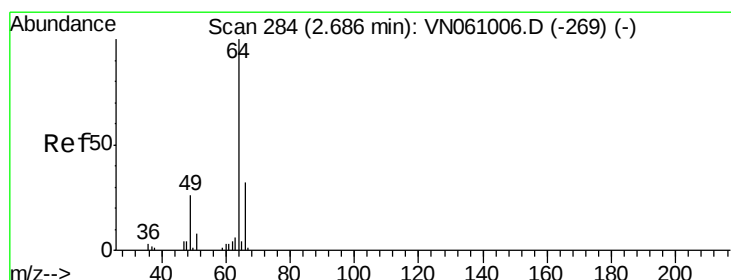
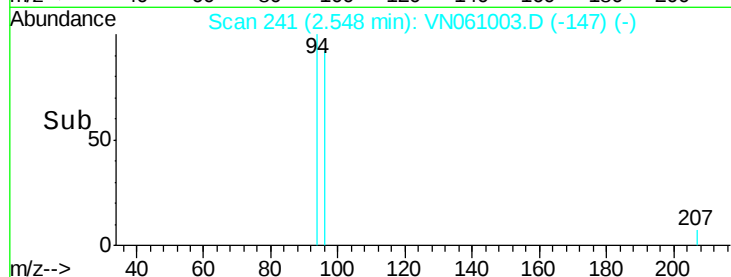
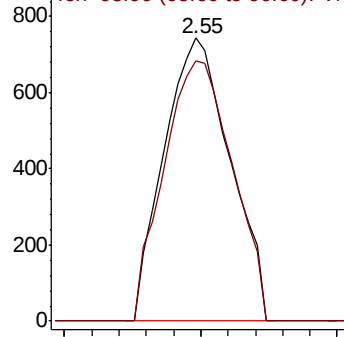
94 100

96 92.2 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: 0.842 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN061003.D

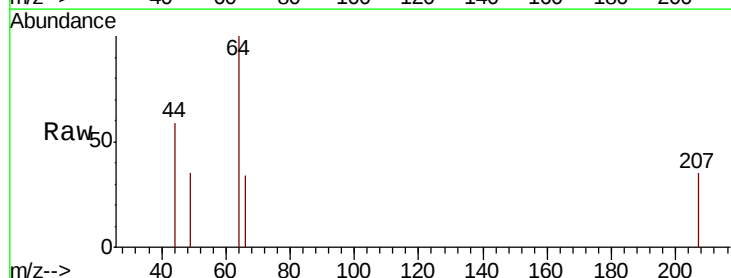
Acq: 16 Apr 2020 11:11

Tgt Ion: 64 Resp: 1223

Ion Ratio Lower Upper

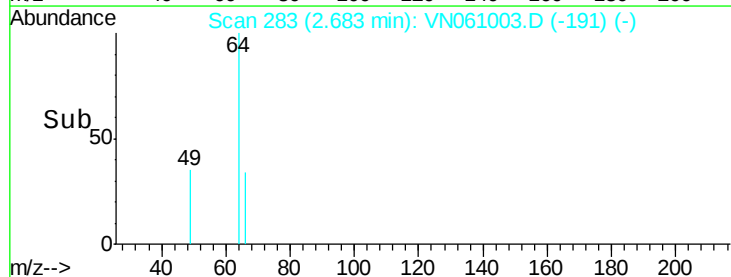
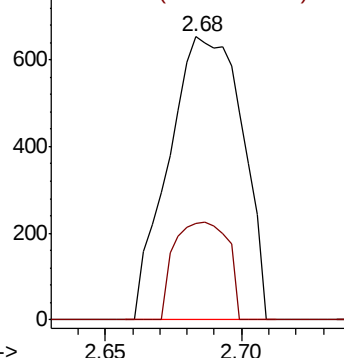
64 100

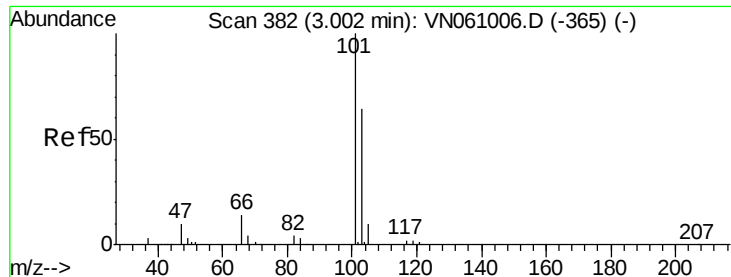
66 34.0 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



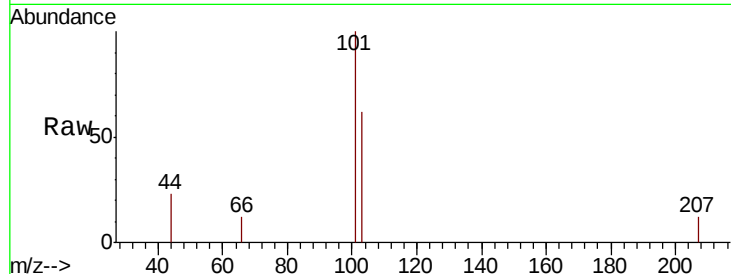


#7

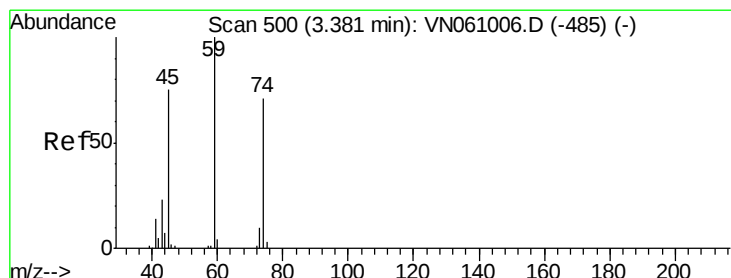
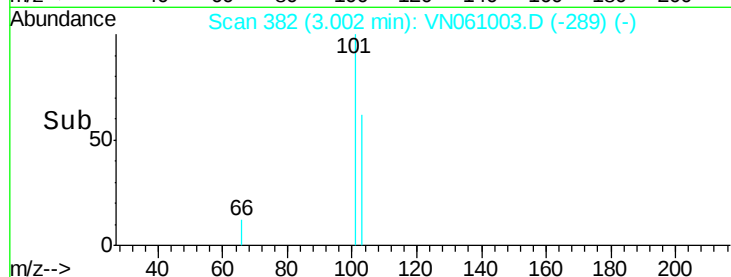
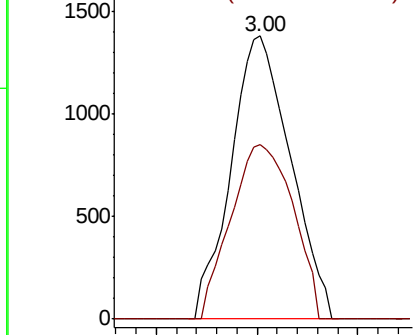
Trichlorofluoromethane
 Concen: 0.913 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN061003.D
 Acq: 16 Apr 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:101 Resp: 2846
 Ion Ratio Lower Upper
 101 100
 103 61.6 51.4 77.2



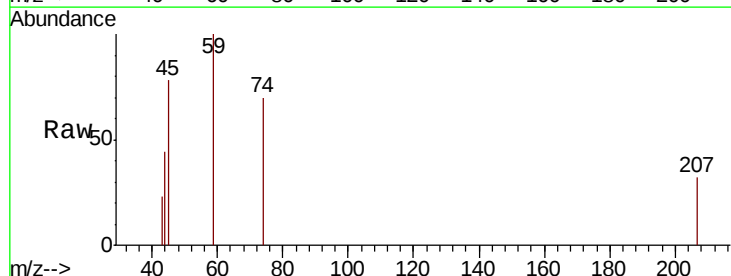
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



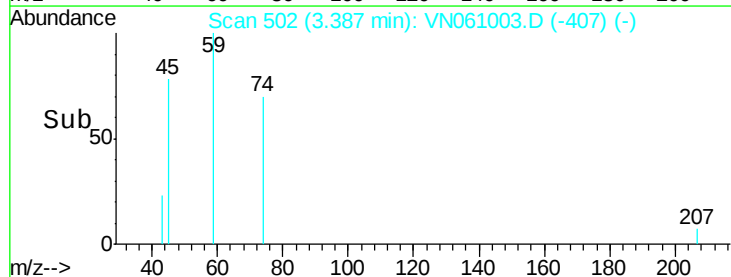
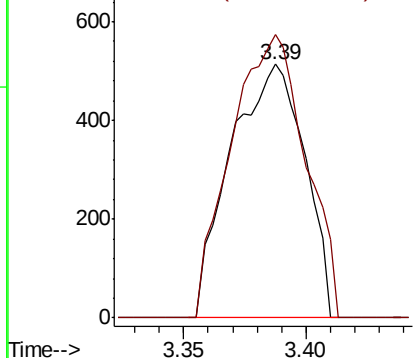
#8

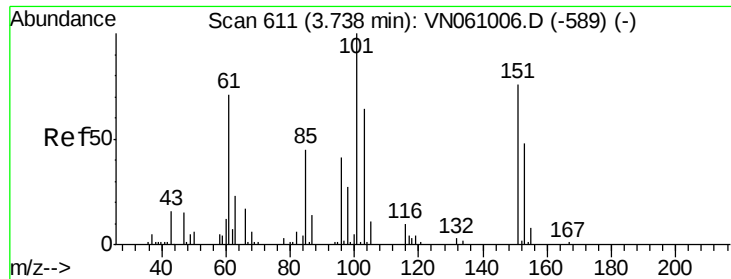
Diethyl Ether
 Concen: 0.867 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.01 min
 Lab File: VN061003.D
 Acq: 16 Apr 2020 11:11

Tgt Ion: 74 Resp: 1081
 Ion Ratio Lower Upper
 74 100
 45 112.2 52.9 158.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.025 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

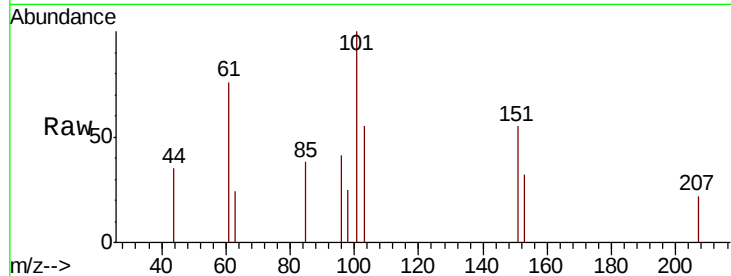
Tot Ion:101 Resp: 1840

Ion Ratio Lower Upper

101 100

85 37.9 35.9 53.9

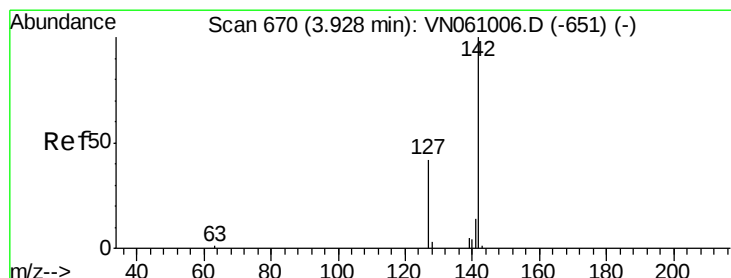
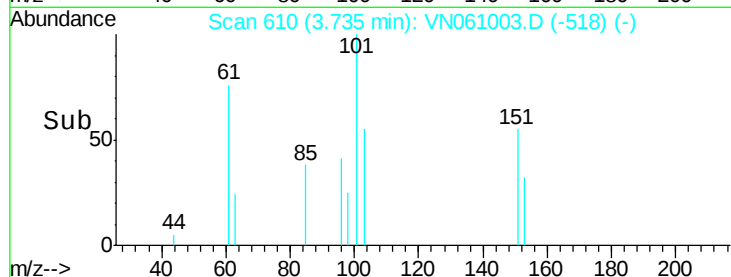
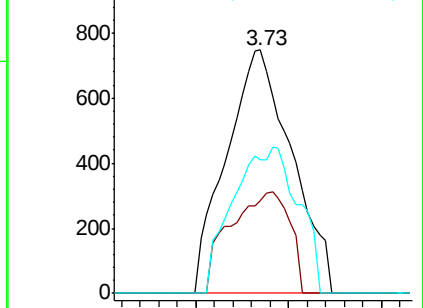
151 60.0 60.8 91.2#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.793 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

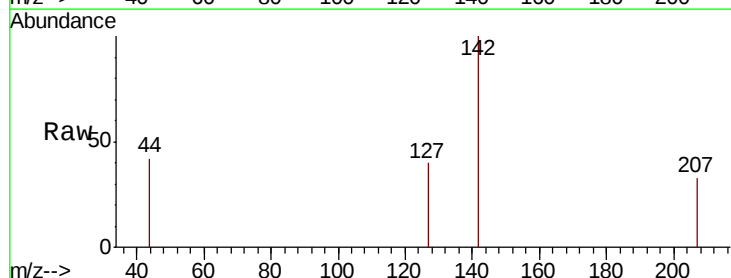
Tgt Ion:142 Resp: 1281

Ion Ratio Lower Upper

142 100

127 32.4 33.4 50.2#

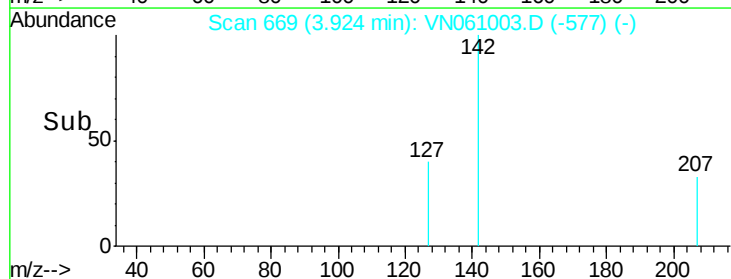
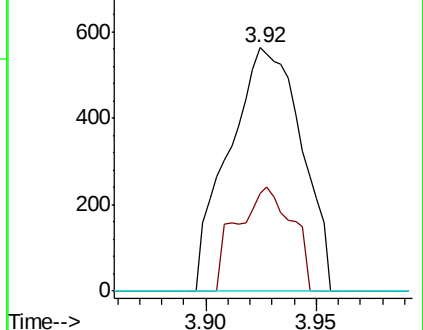
141 0.0 11.0 16.6#

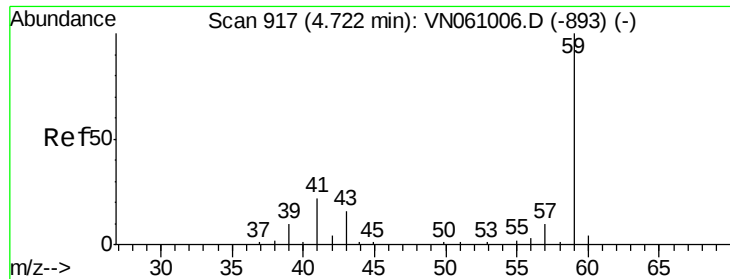


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

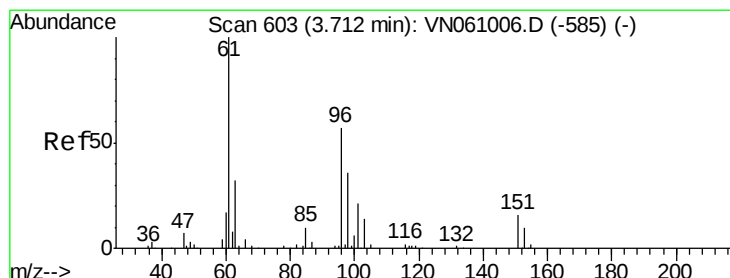
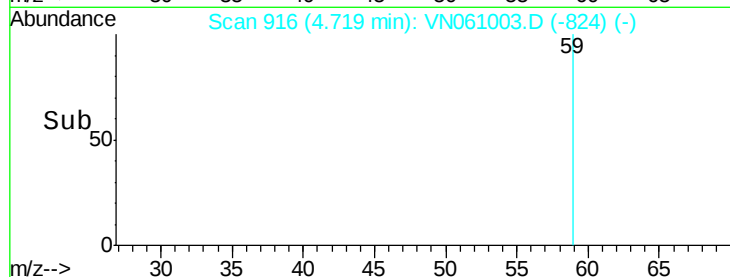
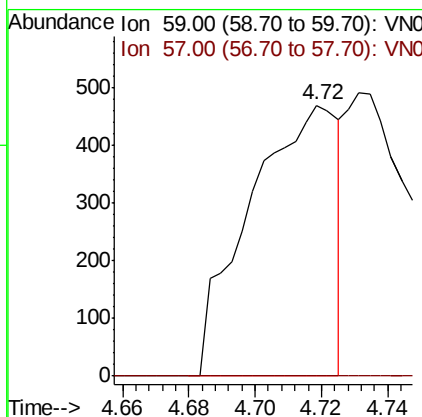
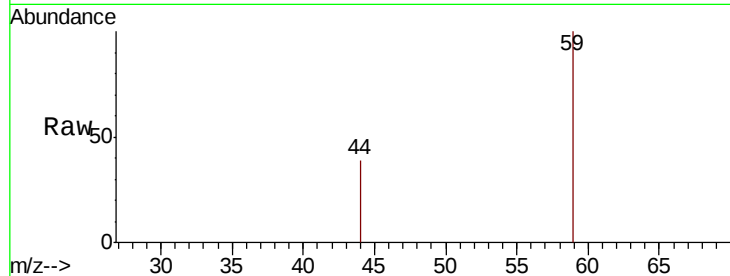




#11
Tert butyl alcohol
Concen: 2.366 ug/l
RT: 4.72 min Scan# 916
Delta R.T. -0.00 min
Lab File: VN061003.D
Acq: 16 Apr 2020 11:11

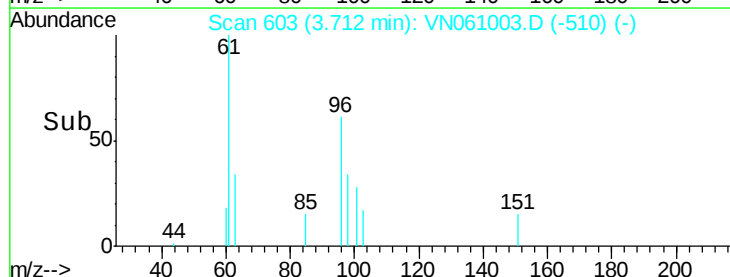
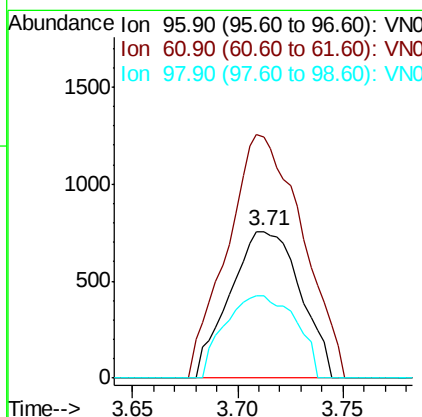
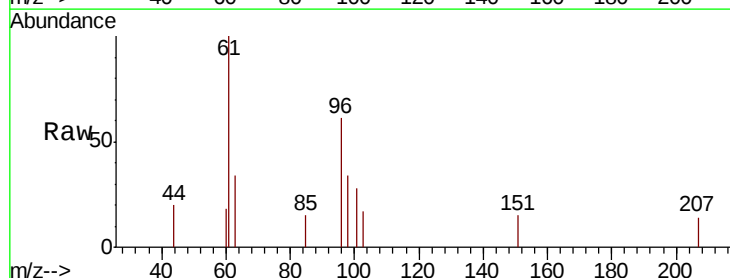
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 59 Resp: 865
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#12
1,1-Dichloroethene
Concen: 0.914 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN061003.D
Acq: 16 Apr 2020 11:11

Tgt Ion: 96 Resp: 1754
Ion Ratio Lower Upper
96 100
61 163.8 139.2 208.8
98 56.0 50.0 75.0





#13

Acrolein

Concen: 3.449 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.01 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

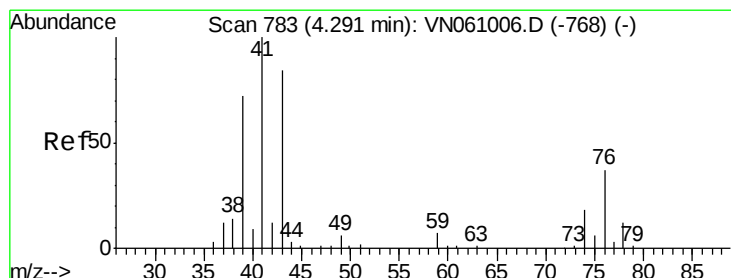
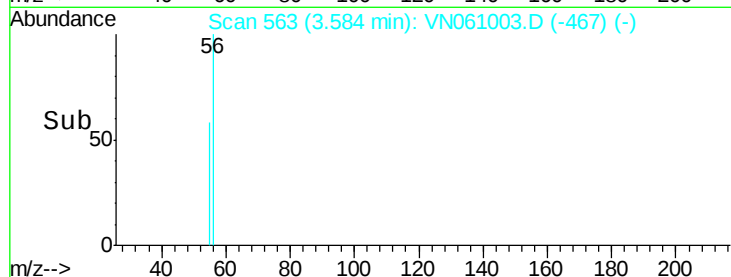
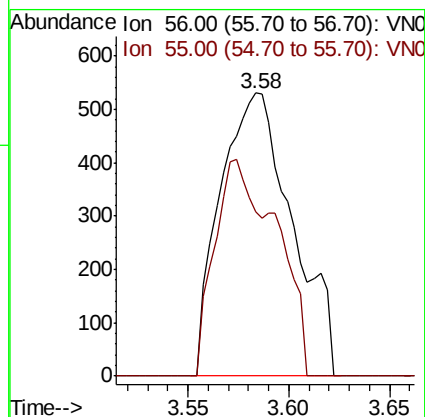
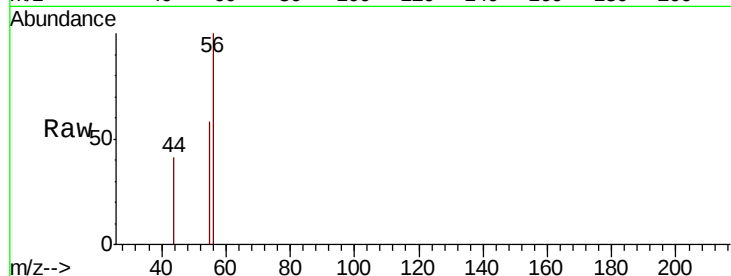
VSTDIC001

Tot Ion: 56 Resp: 1313

Ion Ratio Lower Upper

56 100

55 66.3 57.0 85.6



#14

Allyl chloride

Concen: 0.968 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

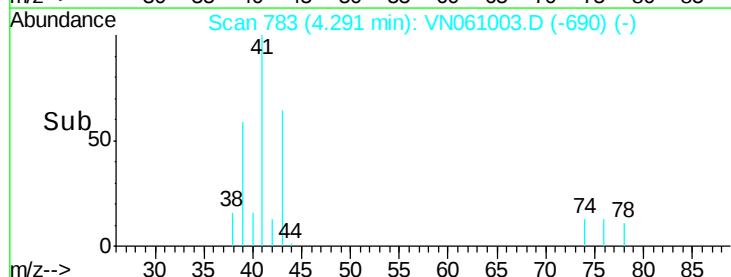
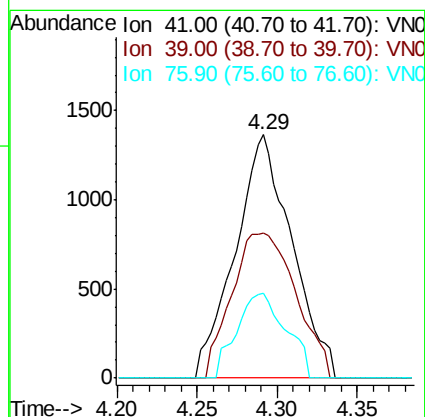
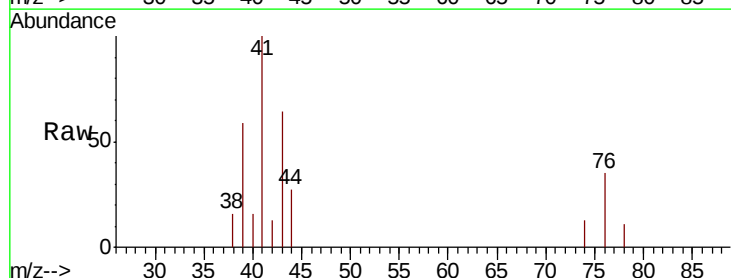
Tgt Ion: 41 Resp: 3306

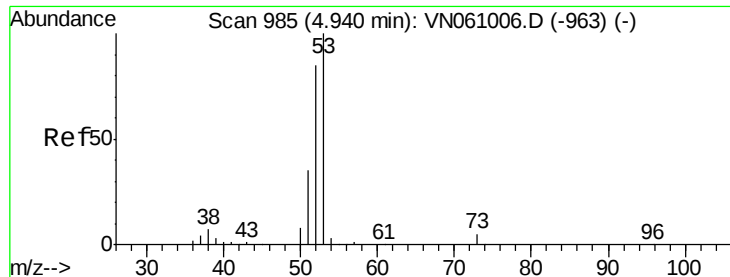
Ion Ratio Lower Upper

41 100

39 67.5 56.3 84.5

76 30.2 27.7 41.5





#15

Acrylonitrile

Concen: 3.688 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.01 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

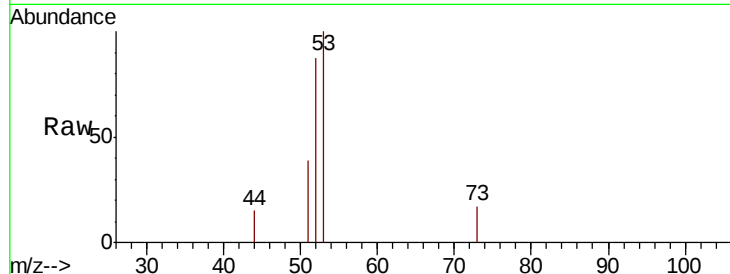
Tot Ion: 53 Resp: 3907

Ion Ratio Lower Upper

53 100

52 88.4 66.8 100.2

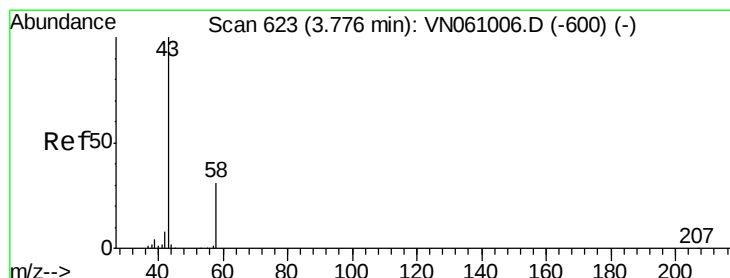
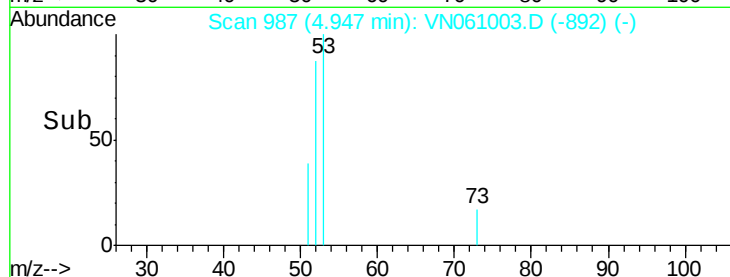
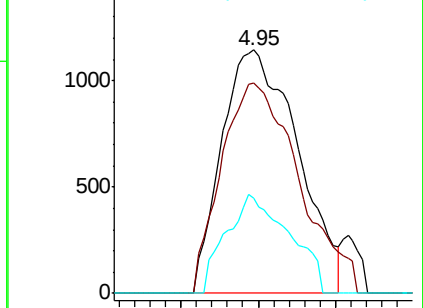
51 33.7 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN061006.D (-963) (-)

Ion 52.00 (51.70 to 52.70): VN061006.D (-963) (-)

Ion 51.00 (50.70 to 51.70): VN061006.D (-963) (-)



#16

Acetone

Concen: 5.098 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN061003.D

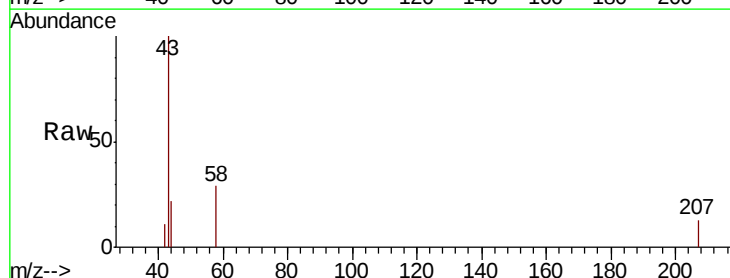
Acq: 16 Apr 2020 11:11

Tgt Ion: 43 Resp: 4549

Ion Ratio Lower Upper

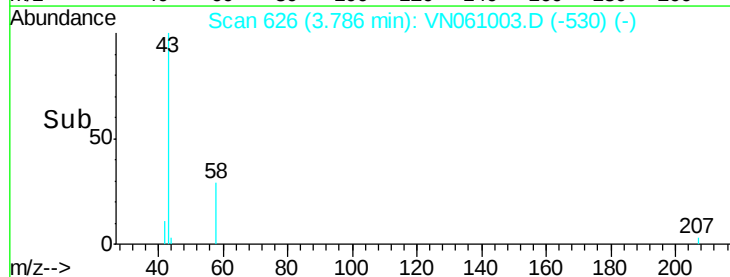
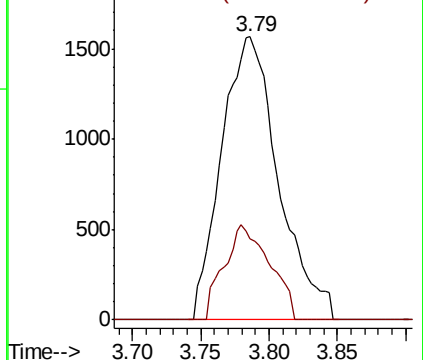
43 100

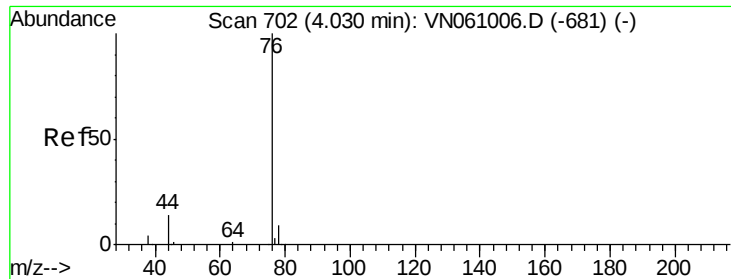
58 28.8 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN061006.D (-600) (-)





#17

Carbon Disulfide

Concen: 0.981 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.01 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

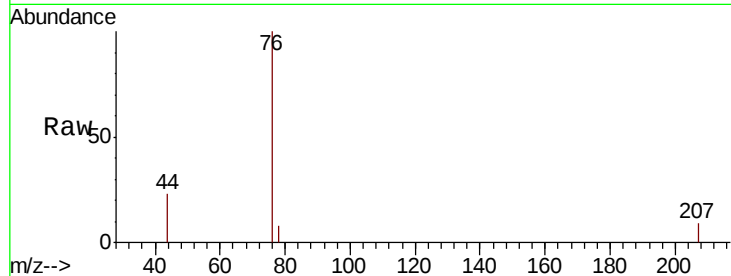
VSTDIC001

Tot Ion: 76 Resp: 5741

Ion Ratio Lower Upper

76 100

78 8.3 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VN061003.D (-609) (-)

Ion 77.90 (77.60 to 78.60): VN061003.D (-609) (-)

4.02

2500

2000

1500

1000

500

0

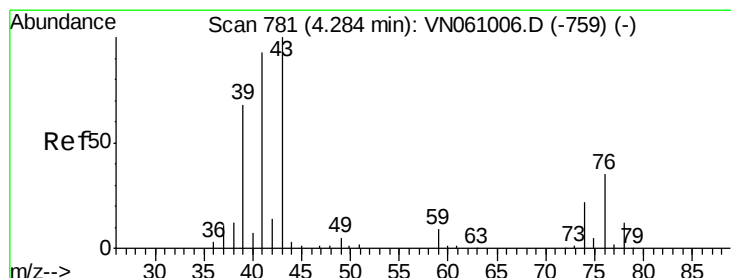
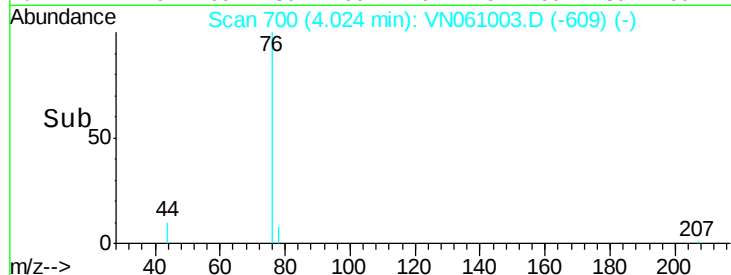
Time-->

3.95

4.00

4.05

4.10



#18

Methyl Acetate

Concen: 1.011 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN061003.D

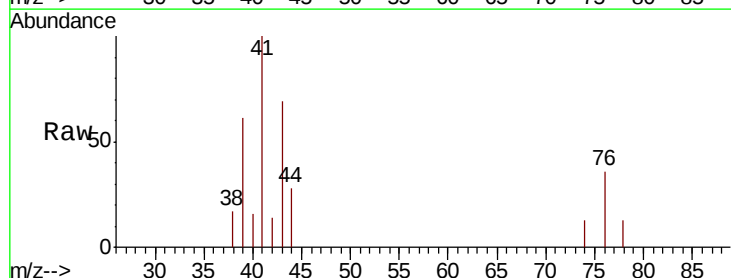
Acq: 16 Apr 2020 11:11

Tgt Ion: 43 Resp: 2574

Ion Ratio Lower Upper

43 100

74 2.6 17.4 26.0#



Abundance Ion 43.00 (42.70 to 43.70): VN061003.D (-688) (-)

Ion 74.00 (73.70 to 74.70): VN061003.D (-688) (-)

4.29

1000

800

600

400

200

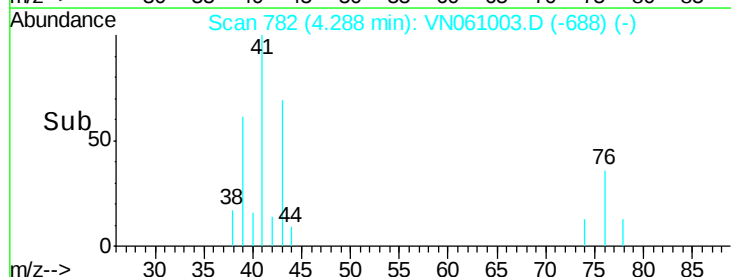
0

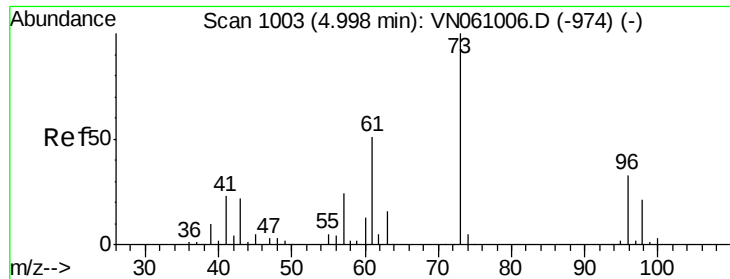
Time-->

4.25

4.30

4.35

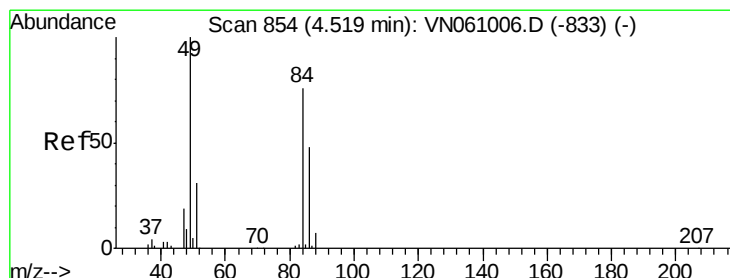
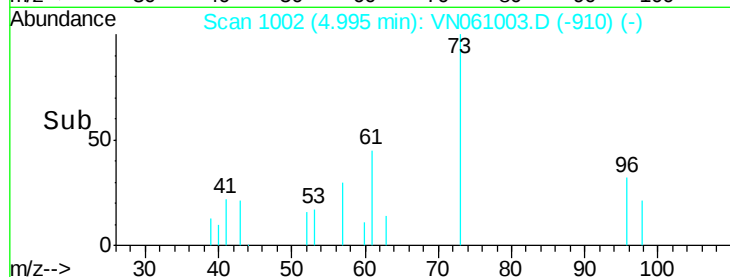
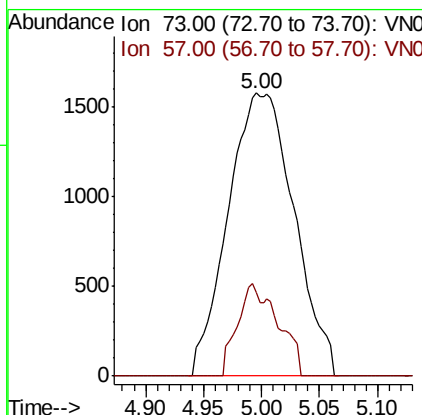
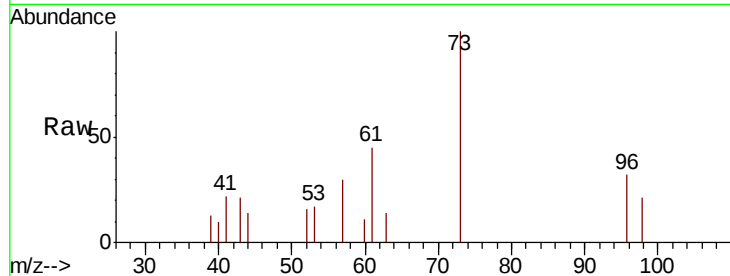




#19
Methvl tert-butvl Ether
Concen: 0.944 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. -0.00 min
Lab File: VN061003.D
Acq: 16 Apr 2020 11:11

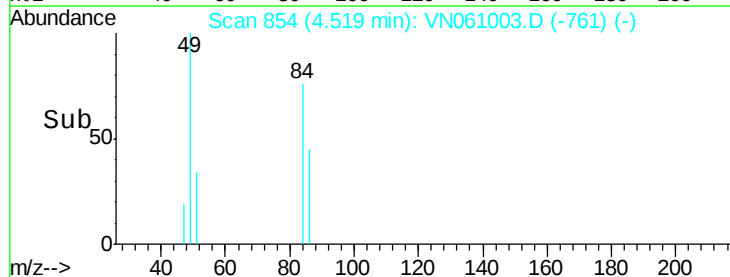
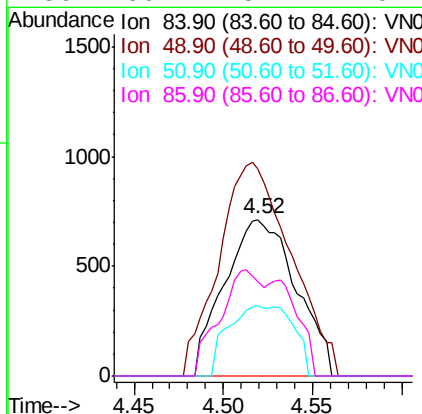
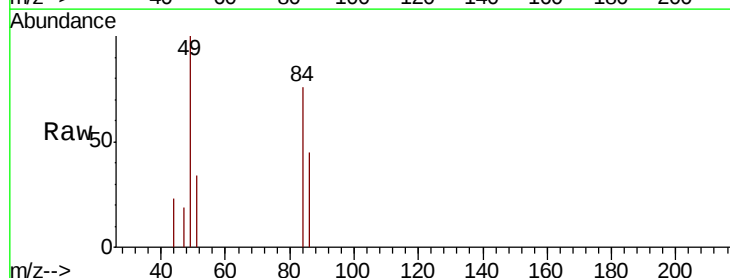
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

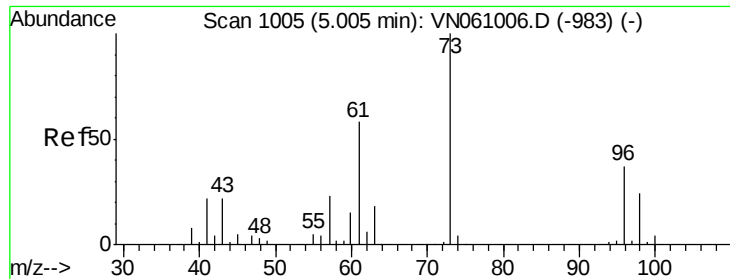
Tot Ion: 73 Resp: 6246
Ion Ratio Lower Upper
73 100
57 29.7 19.0 28.4#



#20
Methylene Chloride
Concen: 0.941 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN061003.D
Acq: 16 Apr 2020 11:11

Tgt Ion: 84 Resp: 1998
Ion Ratio Lower Upper
84 100
49 132.1 105.8 158.6
51 45.0 32.4 48.6
86 60.1 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 0.893 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

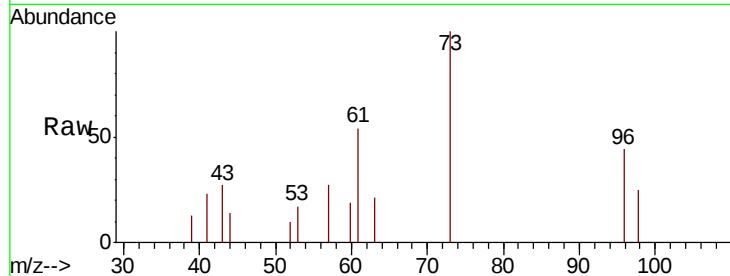
Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 96 Resp: 1826

Ion	Ratio	Lower	Upper
96	100		
61	125.1	124.8	187.2
98	57.3	51.3	76.9

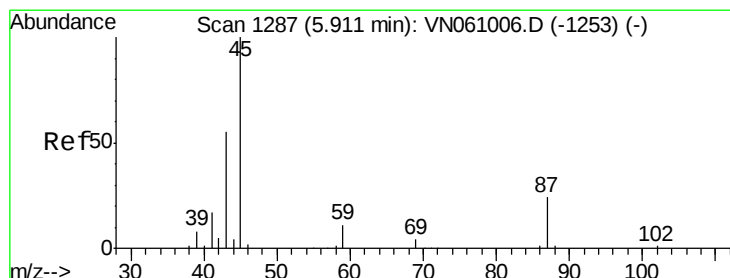
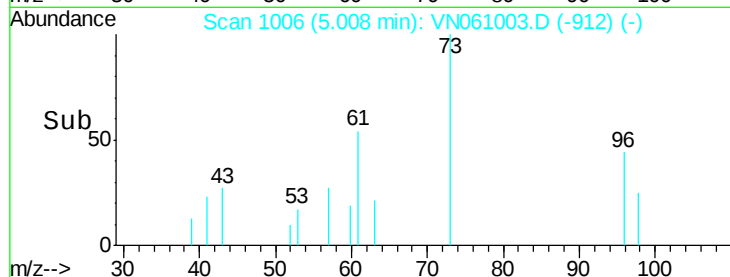
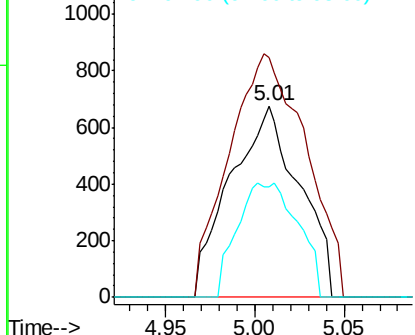


Abundance

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: 0.955 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

Tgt Ion: 45 Resp: 6853

Ion	Ratio	Lower	Upper
45	100		
43	75.3	48.6	72.8#
87	22.5	19.4	29.2
59	11.4	8.6	12.8

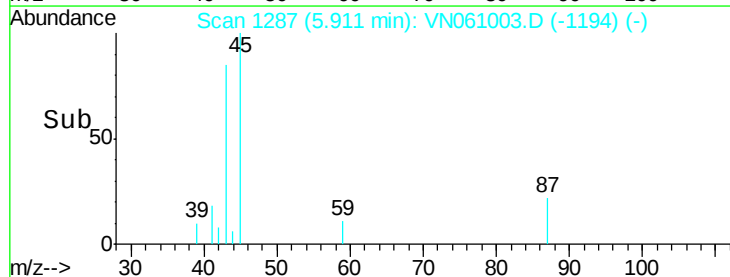
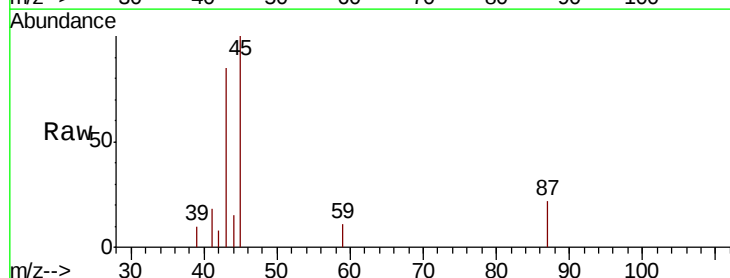
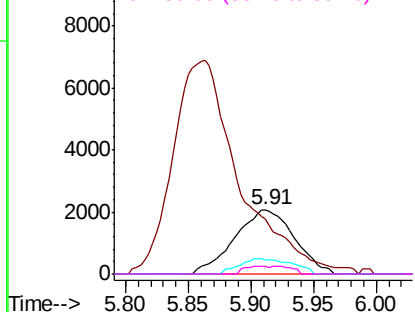
Abundance

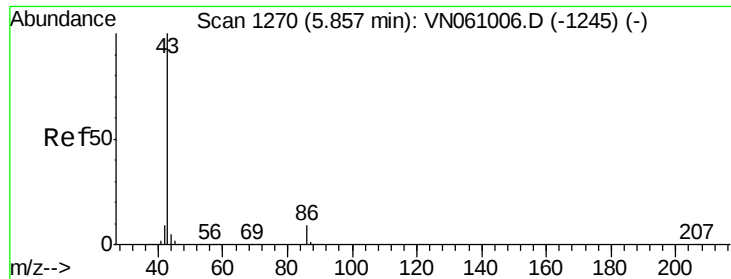
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 4.389 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

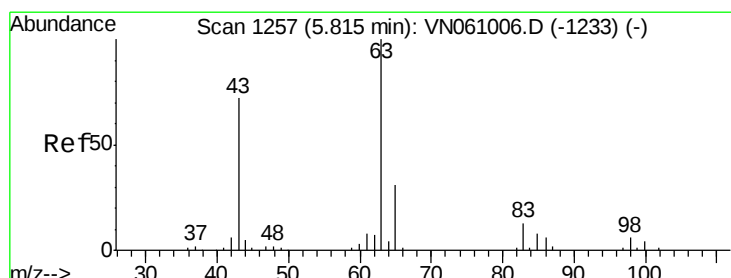
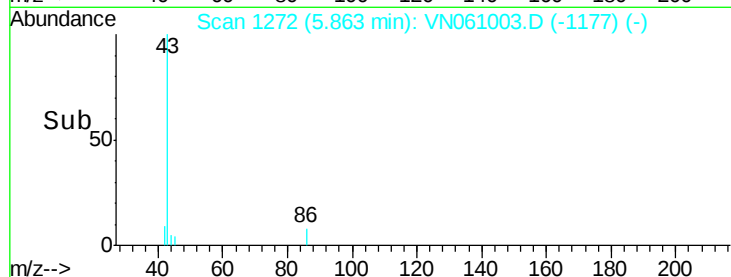
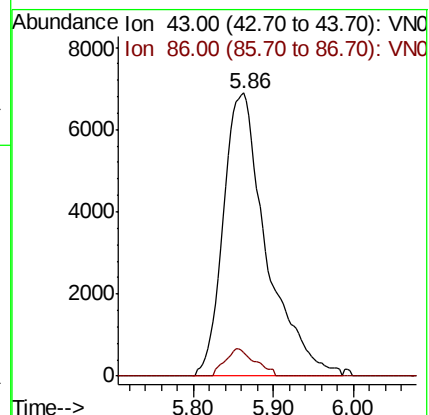
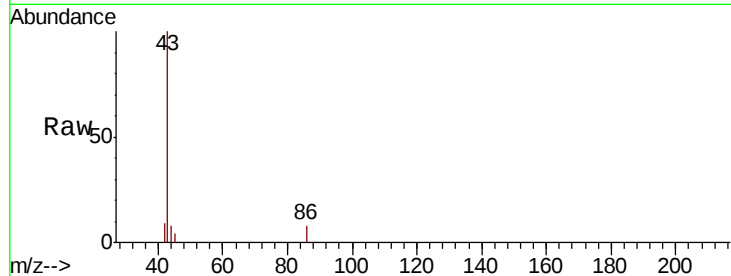
VSTDIC001

Tot Ion: 43 Resp: 25559

Ion Ratio Lower Upper

43 100

86 8.2 7.3 10.9



#24

1,1-Dichloroethane

Concen: 0.960 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

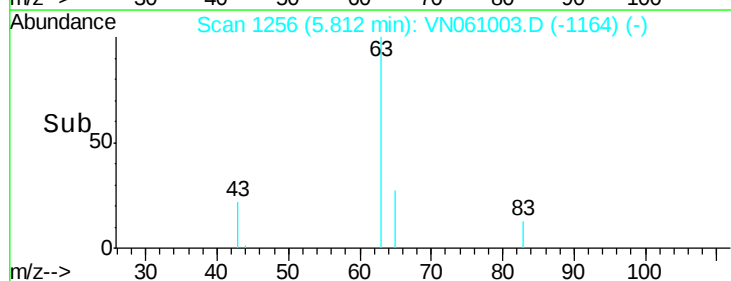
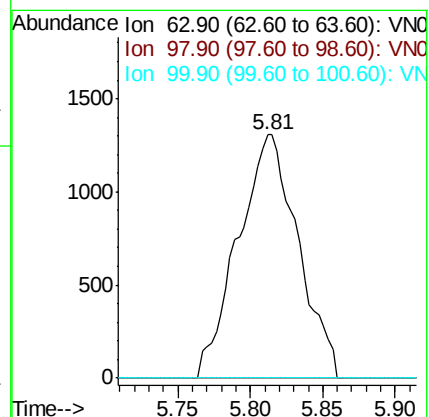
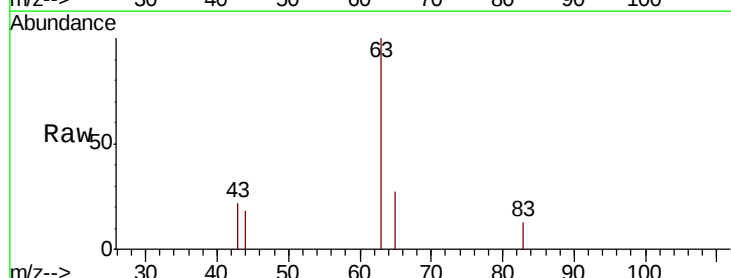
Tgt Ion: 63 Resp: 3753

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.8#

100 0.0 2.0 5.8#





#25

2-Butanone

Concen: 4.550 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.01 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

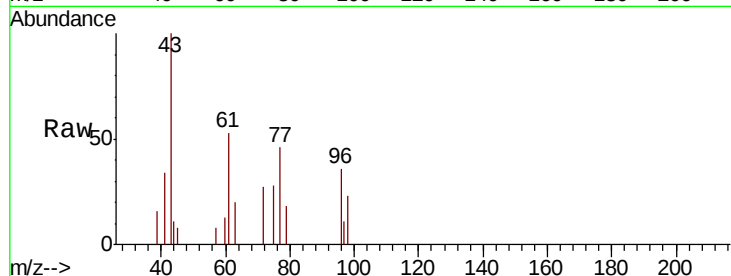
VSTDIC001

Tot Ion: 43 Resp: 6457

Ion Ratio Lower Upper

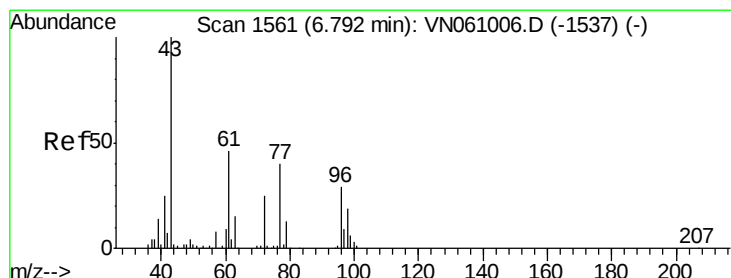
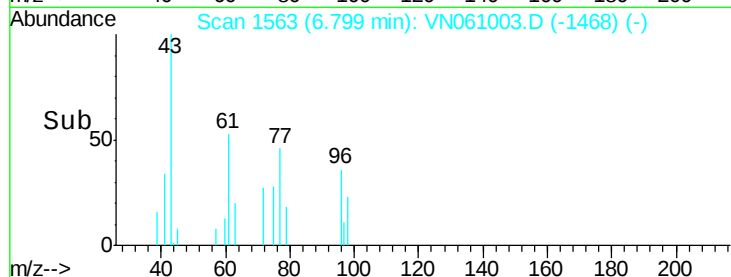
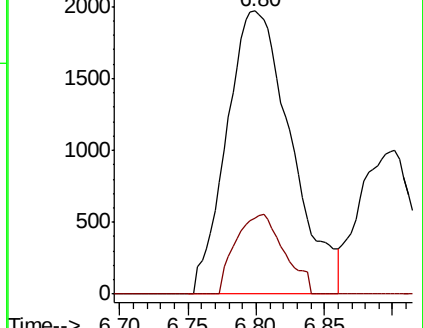
43 100

72 26.8 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VN061003.D (-1468) (-)

Ion 72.00 (71.70 to 72.70): VN061003.D (-1468) (-)



#26

2,2-Dichloropropane

Concen: 0.644 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. -0.01 min

Lab File: VN061003.D

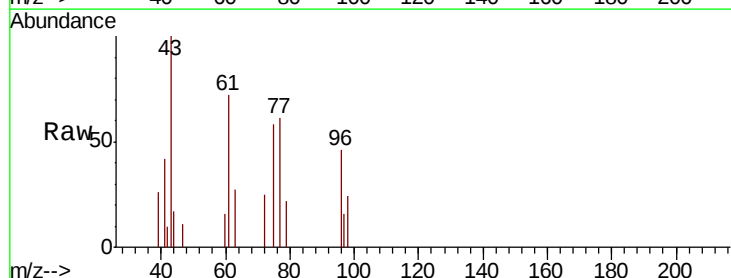
Acq: 16 Apr 2020 11:11

Tgt Ion: 77 Resp: 2014

Ion Ratio Lower Upper

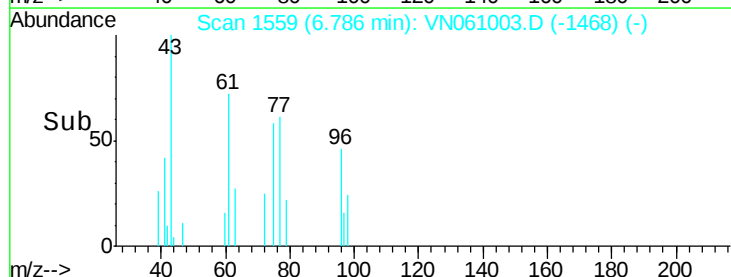
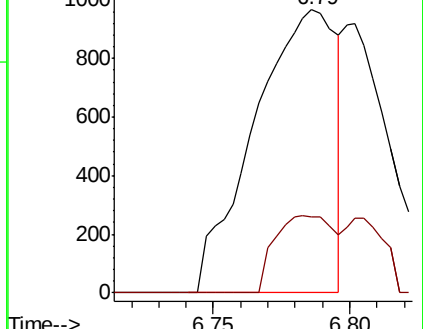
77 100

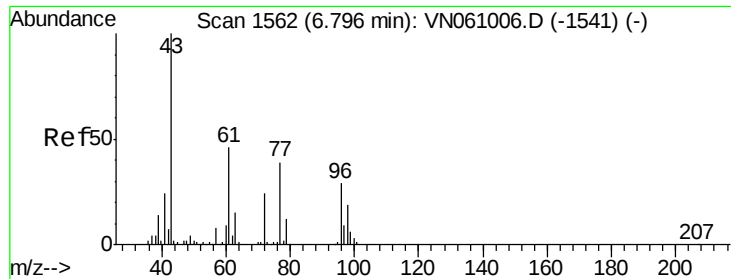
97 19.7 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VN061003.D (-1468) (-)

Ion 96.90 (96.60 to 97.60): VN061003.D (-1468) (-)





#27

cis-1,2-Dichloroethene

Concen: 0.933 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

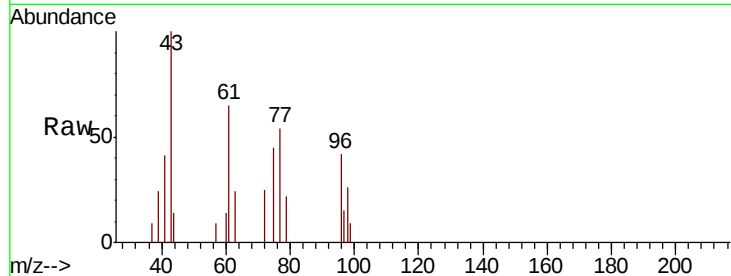
Tot Ion: 96 Resp: 2174

Ion Ratio Lower Upper

96 100

61 147.8 0.0 317.4

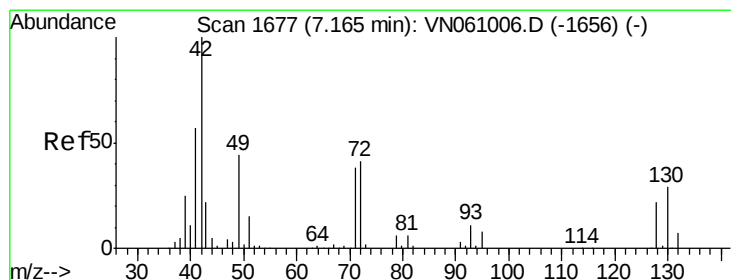
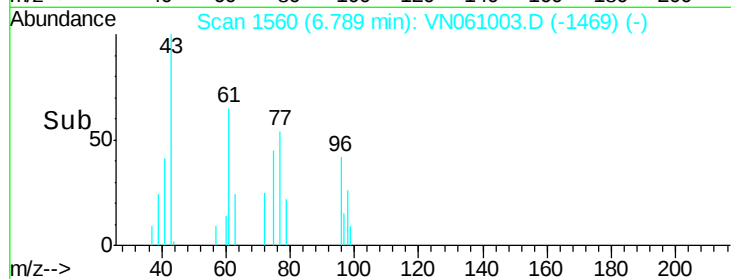
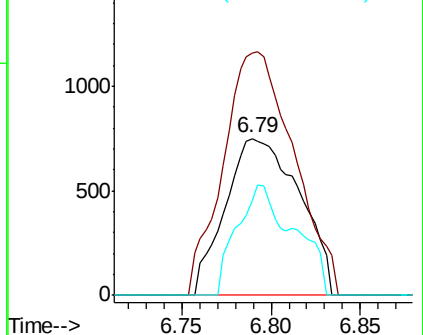
98 54.0 0.0 127.8



Abundance Ion 95.90 (95.60 to 96.60): VN061003.D (-1469) (-)

Ion 60.90 (60.60 to 61.60): VN061003.D (-1469) (-)

Ion 97.90 (97.60 to 98.60): VN061003.D (-1469) (-)



#28

Bromochloromethane

Concen: 0.986 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

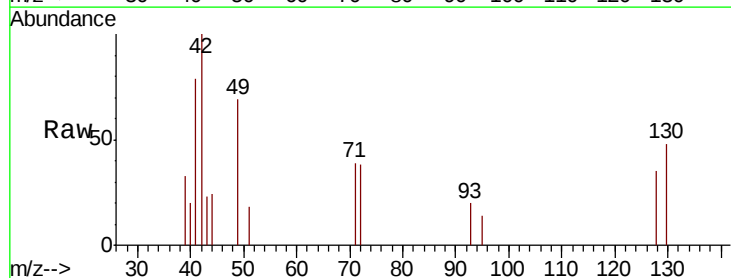
Tgt Ion: 49 Resp: 1835

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.0

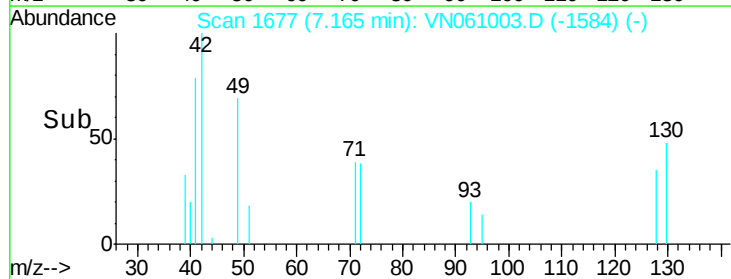
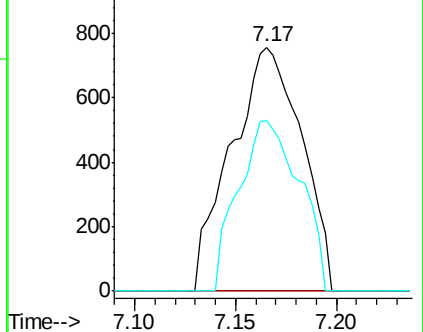
130 61.0 52.9 79.3

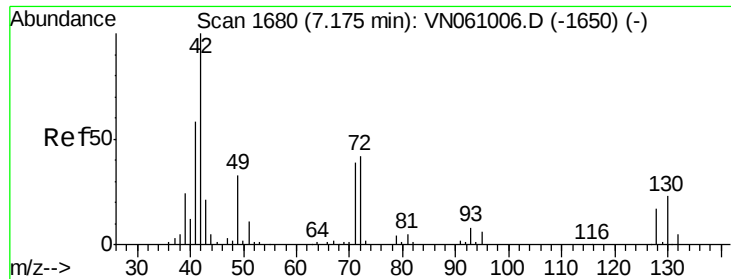


Abundance Ion 48.90 (48.60 to 49.60): VN061003.D (-1584) (-)

Ion 128.80 (128.50 to 129.50): VN061003.D (-1584) (-)

Ion 129.80 (129.50 to 130.50): VN061003.D (-1584) (-)

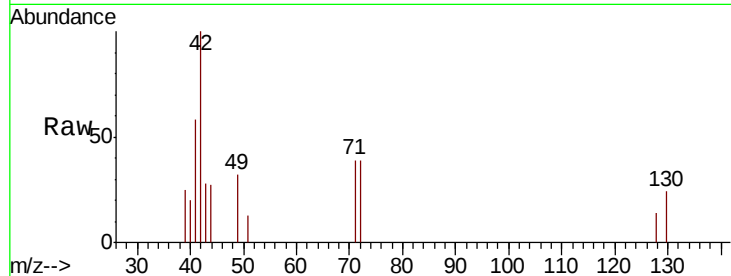




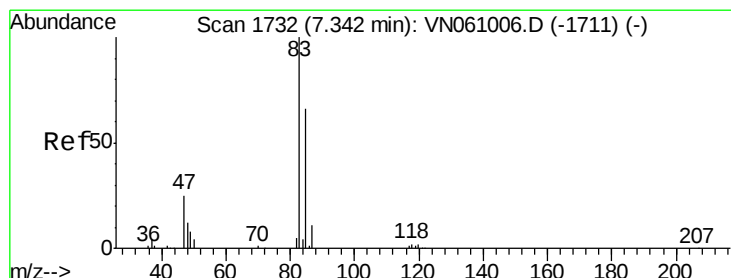
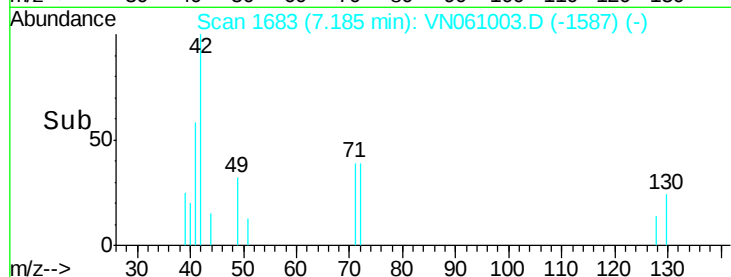
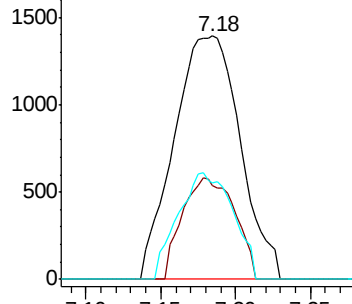
#29
Tetrahydrofuran
Concen: 4.303 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN061003.D
Acq: 16 Apr 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 42 Resp: 4283
Ion Ratio Lower Upper
42 100
72 33.2 32.1 48.1
71 36.4 30.5 45.7

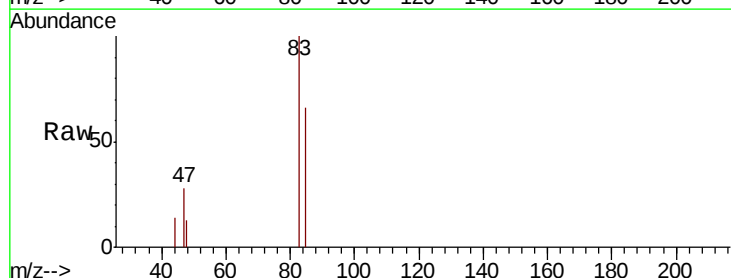


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

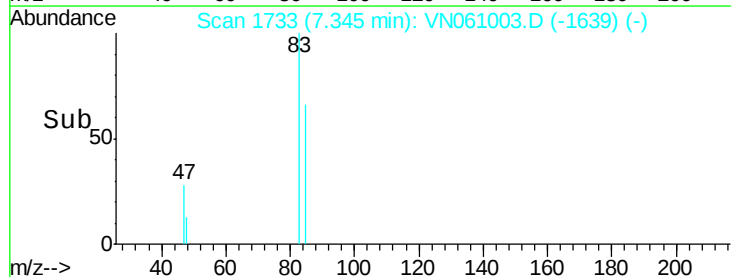
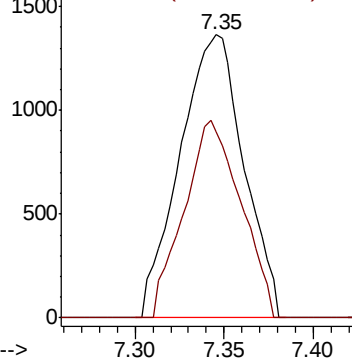


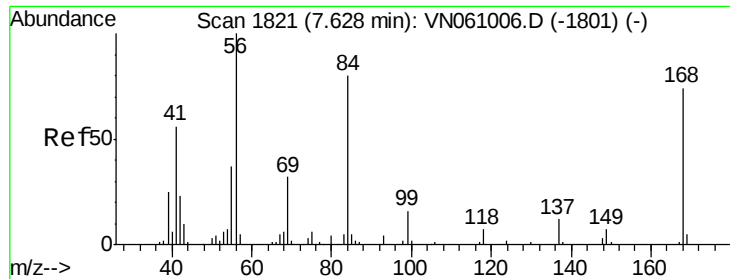
#30
Chloroform
Concen: 0.911 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061003.D
Acq: 16 Apr 2020 11:11

Tgt Ion: 83 Resp: 3408
Ion Ratio Lower Upper
83 100
85 65.8 52.8 79.2



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

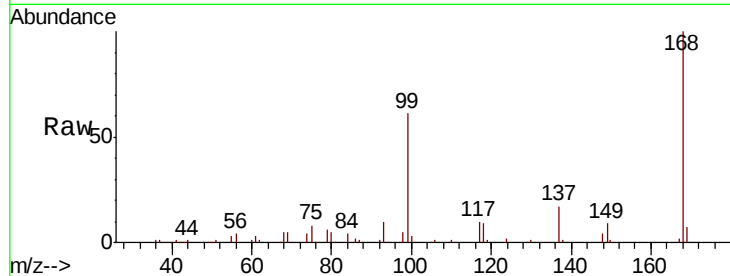




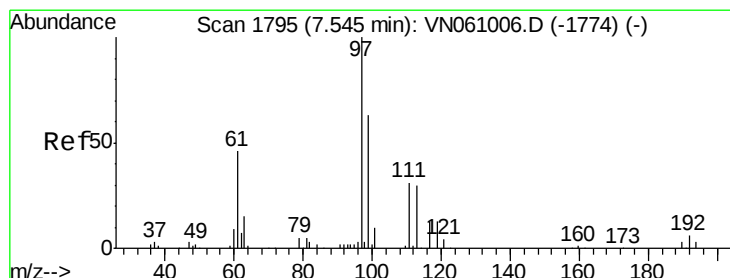
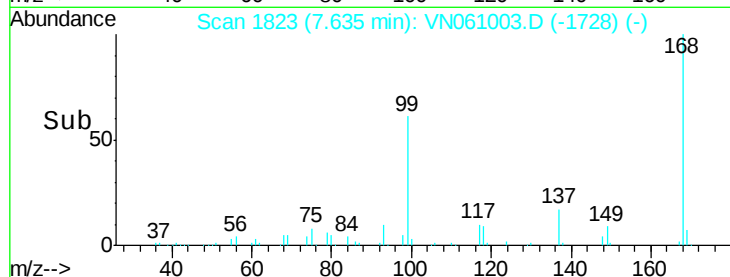
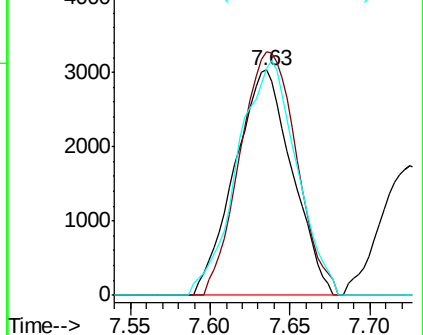
#31
Cyclohexane
Concen: 1.888 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VN061003.D
Acq: 16 Apr 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 56 Resp: 7482
Ion Ratio Lower Upper
56 100
69 108.0 25.6 38.4#
84 100.9 63.4 95.2#

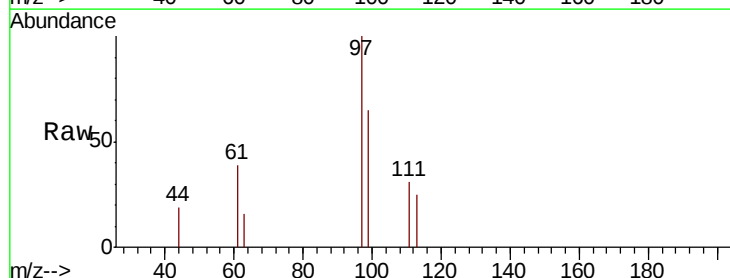


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

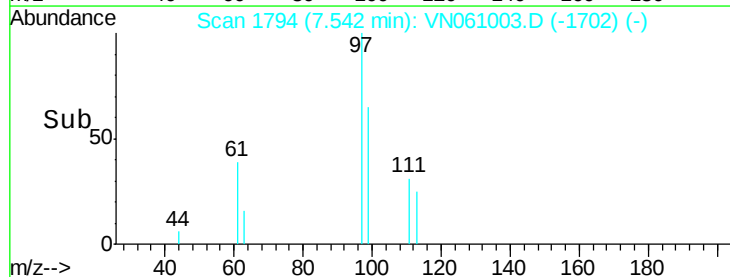
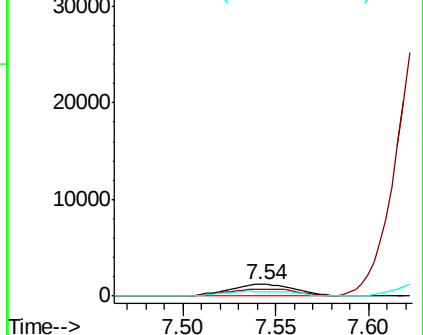


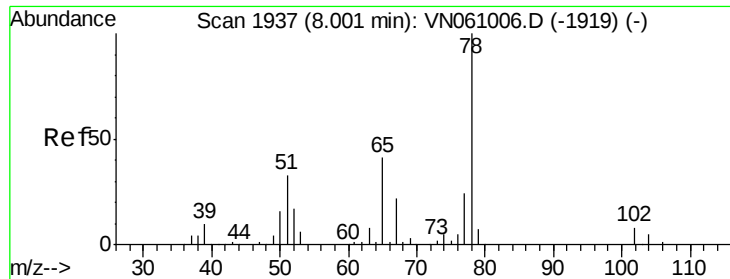
#32
1,1,1-Trichloroethane
Concen: 0.931 ug/l
RT: 7.54 min Scan# 1794
Delta R.T. -0.00 min
Lab File: VN061003.D
Acq: 16 Apr 2020 11:11

Tgt Ion: 97 Resp: 2988
Ion Ratio Lower Upper
97 100
99 0.0 51.0 76.4#
61 43.1 37.0 55.6



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

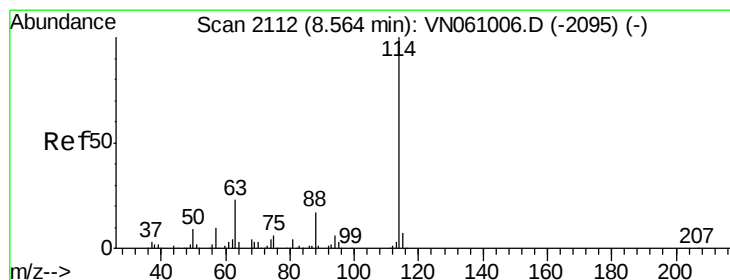
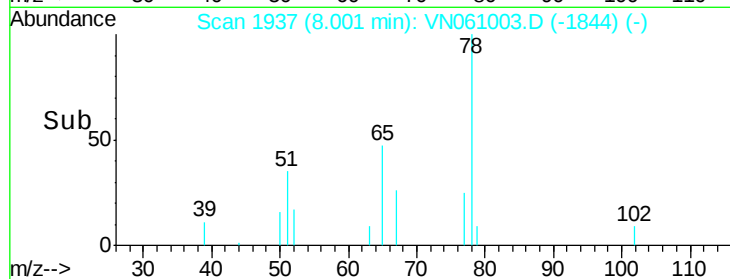
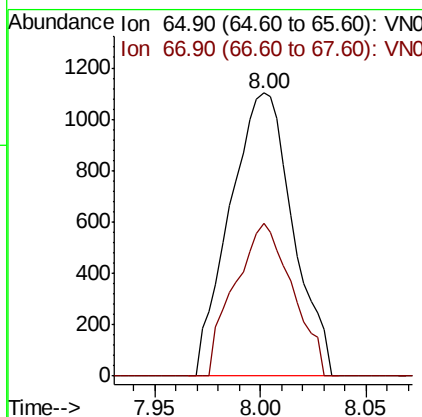
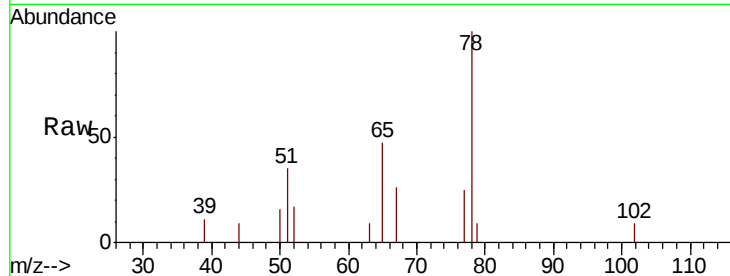




#33
 1,2-Dichloroethane-d4
 Concen: 0.967 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061003.D
 Acq: 16 Apr 2020 11:11

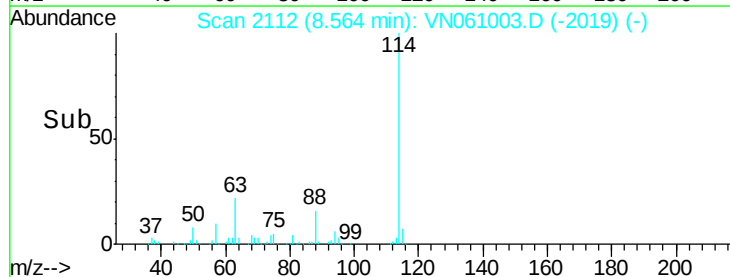
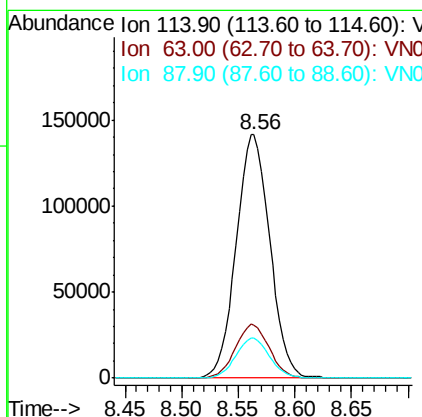
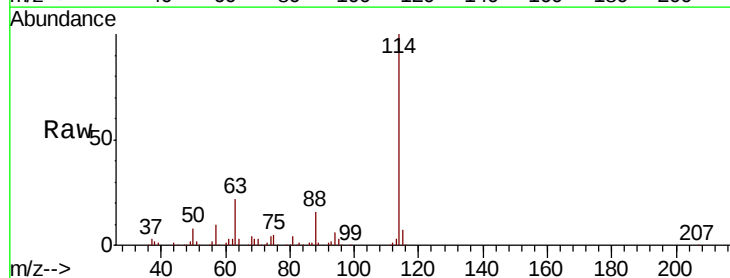
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

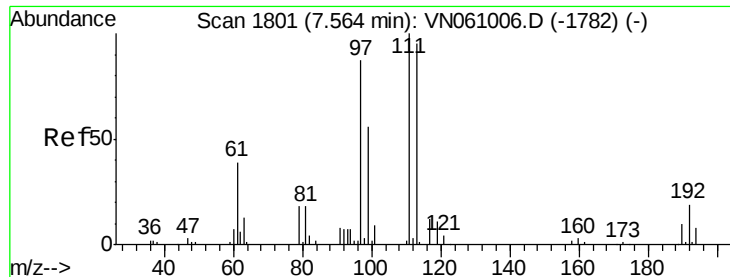
Tot Ion: 65 Resp: 2289
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061003.D
 Acq: 16 Apr 2020 11:11

Tgt Ion: 114 Resp: 293518
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 46.2
 88 16.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 0.835 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

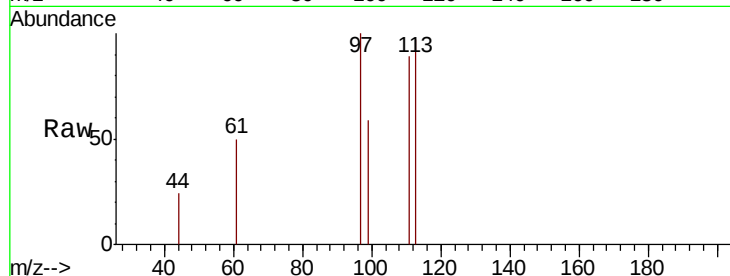
Tot Ion:113 Resp: 1458

Ion Ratio Lower Upper

113 100

111 107.7 83.4 125.2

192 0.0 15.5 23.3#



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

7.56

800

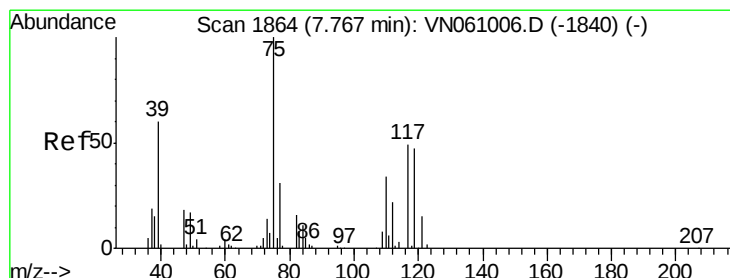
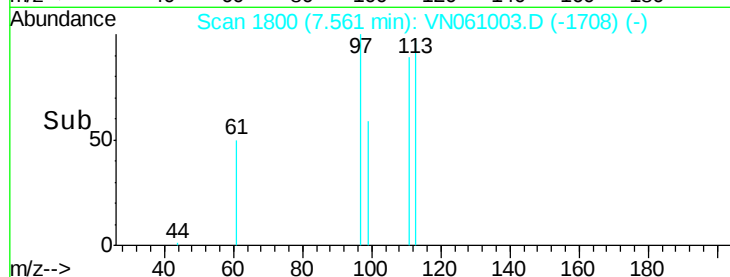
600

400

200

0

Time--> 7.50 7.55 7.60



#36

1,1-Dichloropropene

Concen: 1.012 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

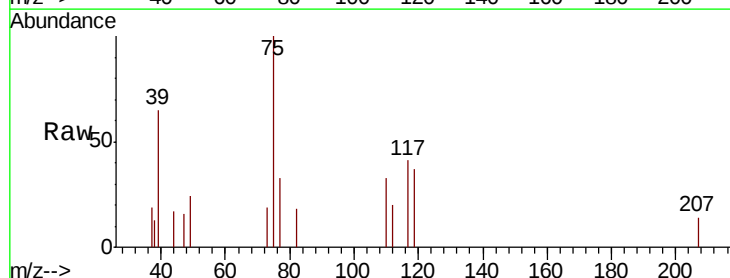
Tgt Ion: 75 Resp: 2898

Ion Ratio Lower Upper

75 100

110 25.8 16.8 50.3

77 29.1 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

7.77

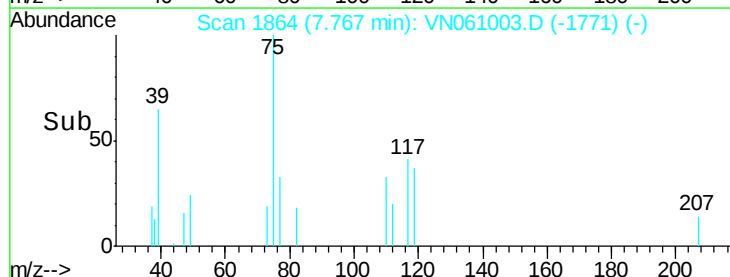
1500

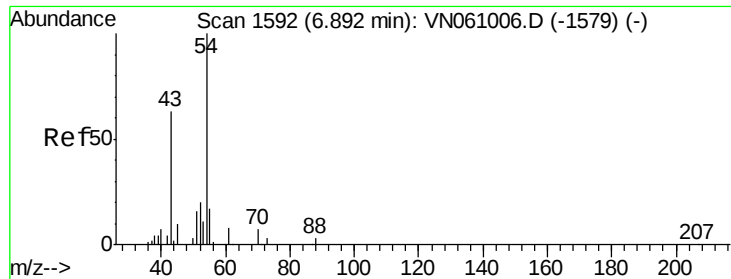
1000

500

0

Time--> 7.70 7.75 7.80





#37

Ethyl Acetate

Concen: 0.674 ug/l

RT: 6.90 min Scan# 1595

Delta R.T. 0.01 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

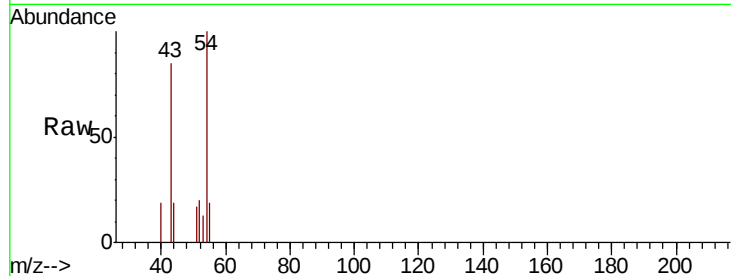
Tot Ion: 43 Resp: 2096

Ion Ratio Lower Upper

43 100

61 0.0 10.9 16.3#

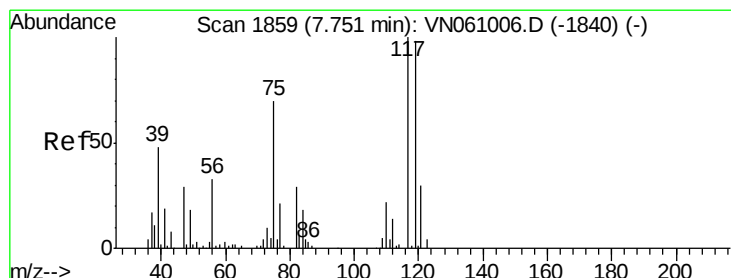
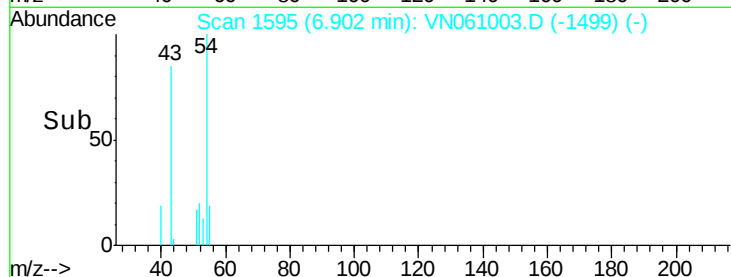
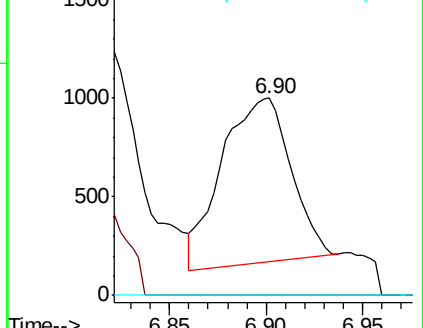
70 0.0 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VN061003.D (-1499) (-)

Ion 60.90 (60.60 to 61.60): VN061003.D (-1499) (-)

Ion 70.00 (69.70 to 70.70): VN061003.D (-1499) (-)



#38

Carbon Tetrachloride

Concen: 0.772 ug/l

RT: 7.75 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

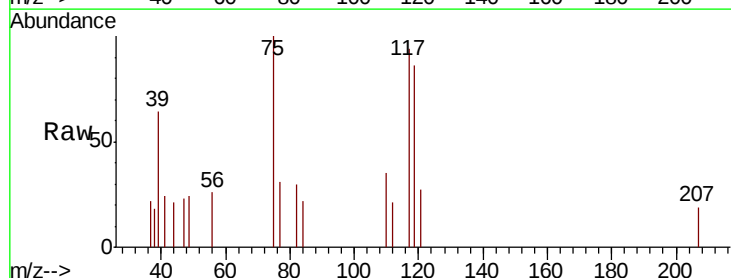
Tgt Ion: 117 Resp: 1970

Ion Ratio Lower Upper

117 100

119 91.4 78.1 117.1

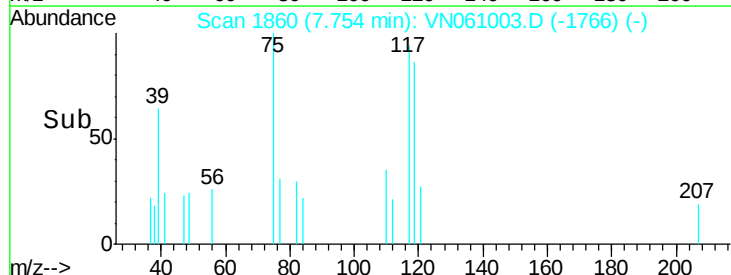
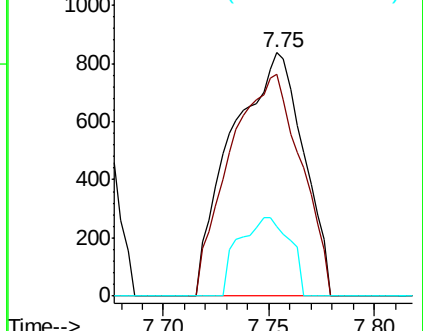
121 28.8 24.0 36.0

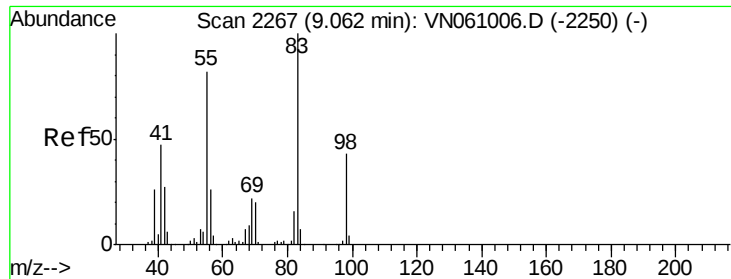


Abundance Ion 116.80 (116.50 to 117.50): VN061003.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN061003.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN061003.D (-1766) (-)

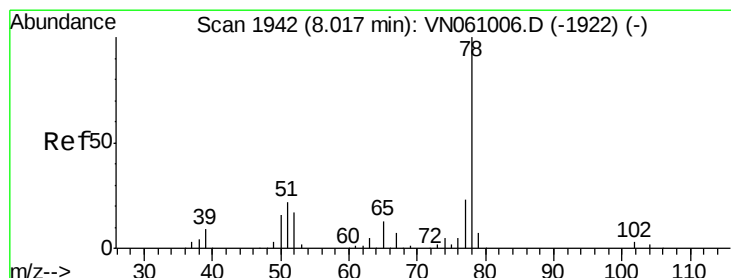
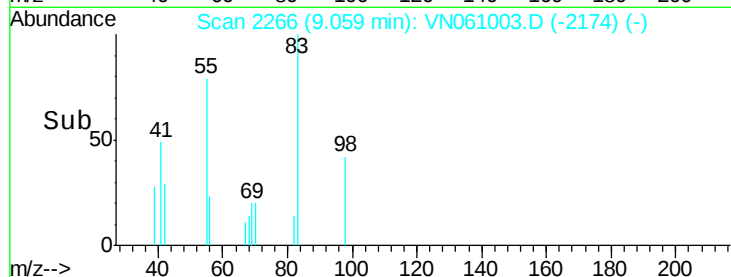
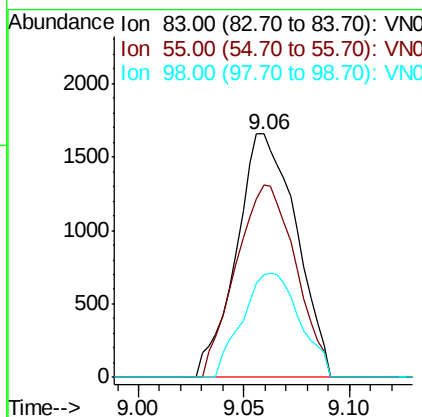
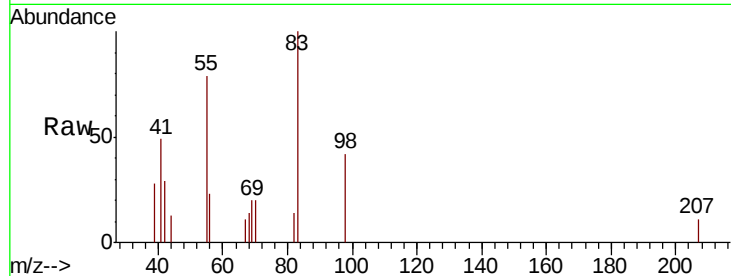




#39
Methvlcvclohexane
Concen: 0.955 ug/l
RT: 9.06 min Scan# 2266
Delta R.T. -0.00 min
Lab File: VN061003.D
Acq: 16 Apr 2020 11:11

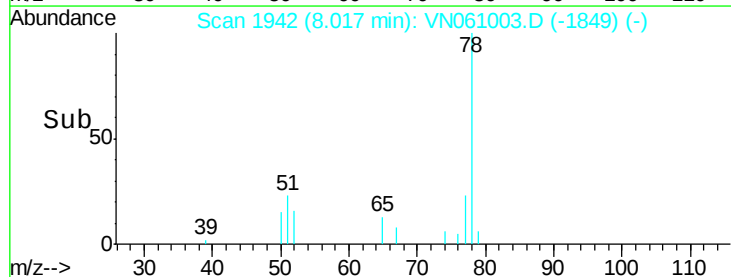
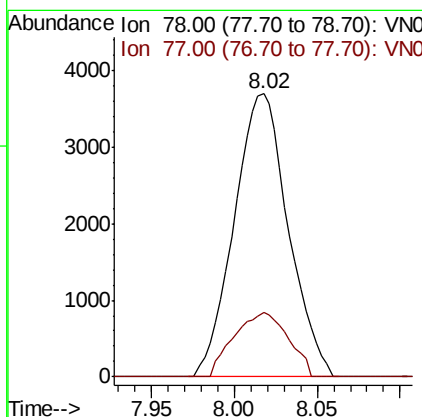
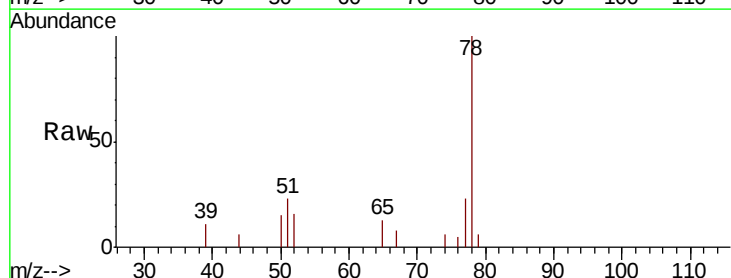
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

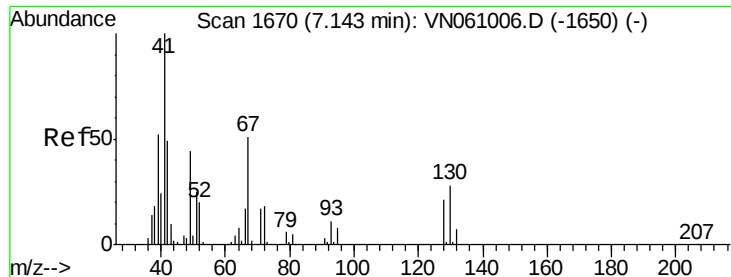
Tot Ion: 83 Resp: 3264
Ion Ratio Lower Upper
83 100
55 79.1 65.4 98.0
98 42.1 34.6 51.8



#40
Benzene
Concen: 0.972 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. 0.00 min
Lab File: VN061003.D
Acq: 16 Apr 2020 11:11

Tgt Ion: 78 Resp: 8392
Ion Ratio Lower Upper
78 100
77 22.6 18.8 28.2

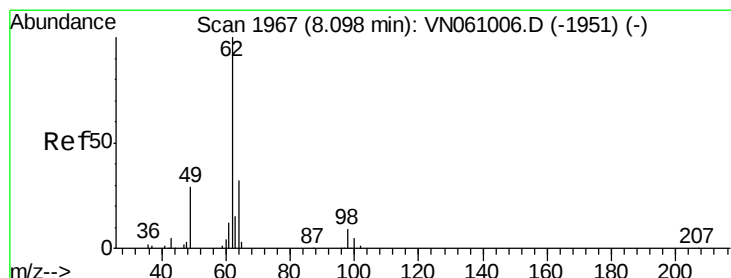
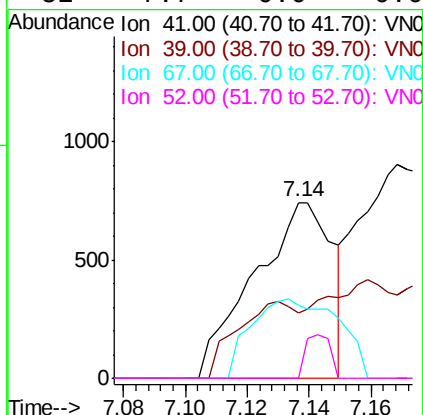
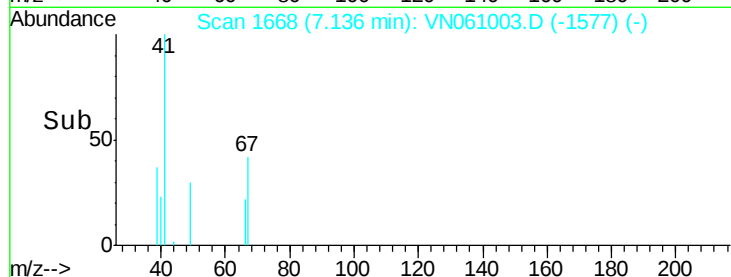
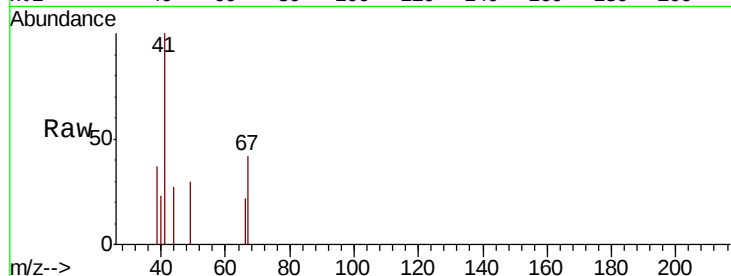




#41
Methacrylonitrile
Concen: 0.983 ug/l
RT: 7.14 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VN061003.D
Acq: 16 Apr 2020 11:11

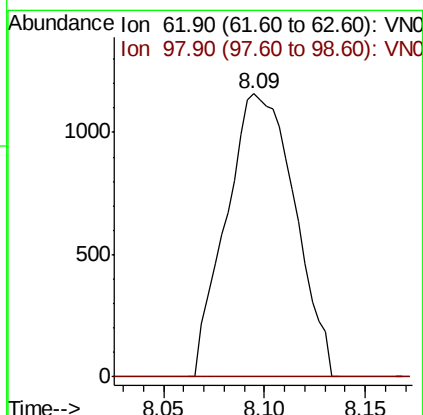
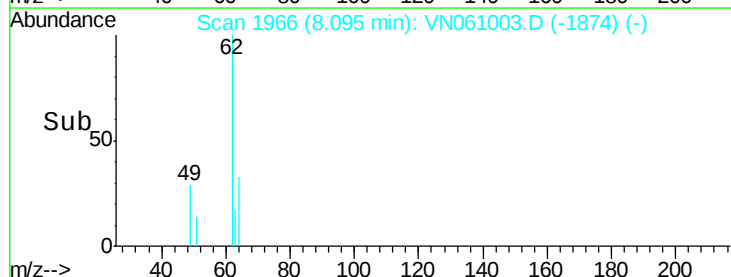
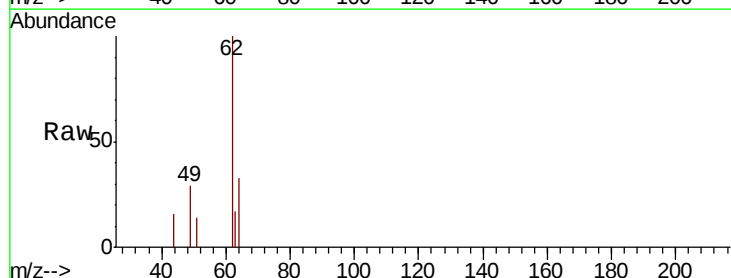
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

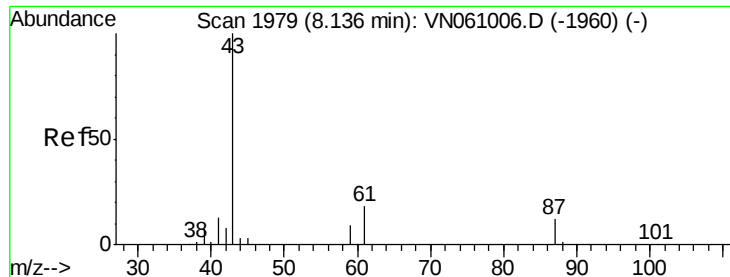
Tot Ion:	41	Resp:	1306
Ion	Ratio	Lower	Upper
41	100		
39	33.5	0.0	0.0#
67	0.0	0.0	0.0
52	7.7	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 0.926 ug/l
RT: 8.09 min Scan# 1966
Delta R.T. -0.00 min
Lab File: VN061003.D
Acq: 16 Apr 2020 11:11

Tgt Ion:	62	Resp:	2737
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	17.2





#43

Isopropyl Acetate

Concen: 0.903 ug/l

RT: 8.13 min Scan# 1978

Delta R.T. -0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

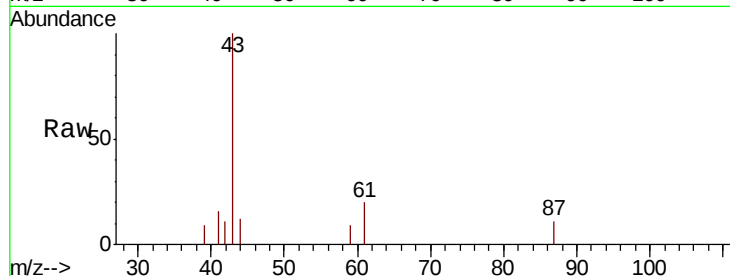
Tot Ion: 43 Resp: 4619

Ion Ratio Lower Upper

43 100

61 23.4 20.3 30.5

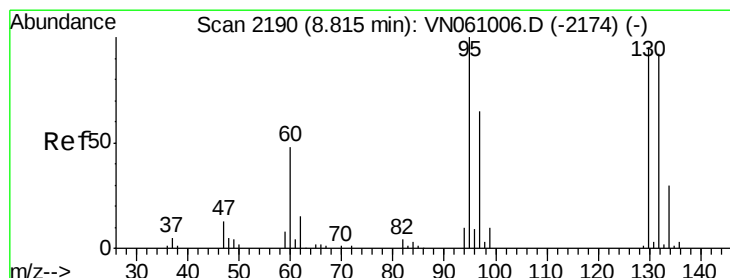
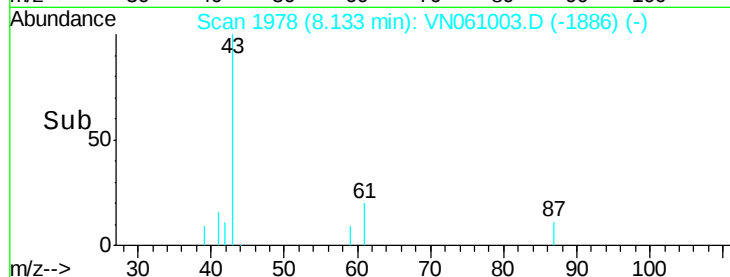
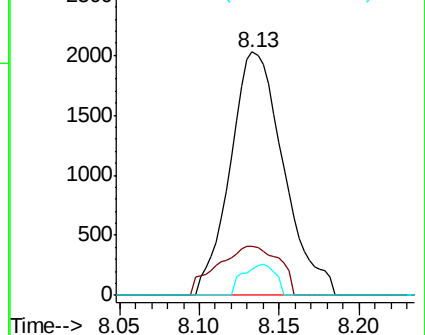
87 7.7 9.4 14.2#



Abundance Ion 43.00 (42.70 to 43.70): VN061003.D (-1886) (-)

Ion 61.00 (60.70 to 61.70): VN061003.D (-1886) (-)

Ion 87.00 (86.70 to 87.70): VN061003.D (-1886) (-)



#44

Trichloroethene

Concen: 0.994 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN061003.D

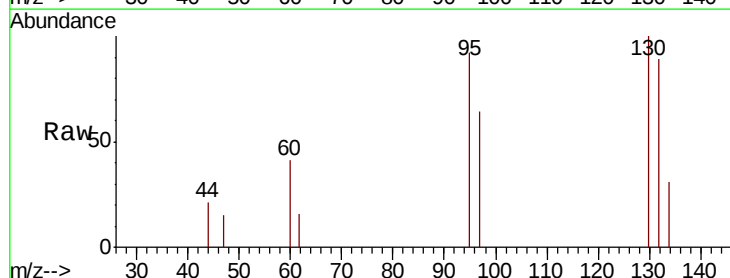
Acq: 16 Apr 2020 11:11

Tgt Ion: 130 Resp: 2155

Ion Ratio Lower Upper

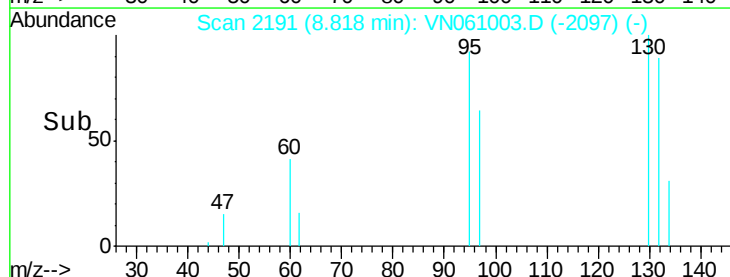
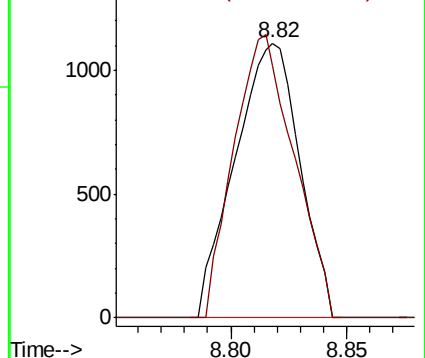
130 100

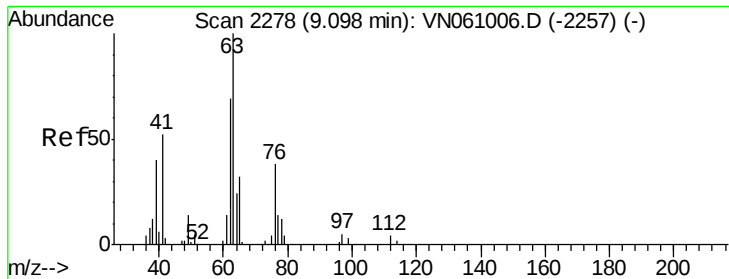
95 92.1 0.0 210.0



Abundance Ion 129.80 (129.50 to 130.50): VN061003.D (-2097) (-)

Ion 94.90 (94.60 to 95.60): VN061003.D (-2097) (-)

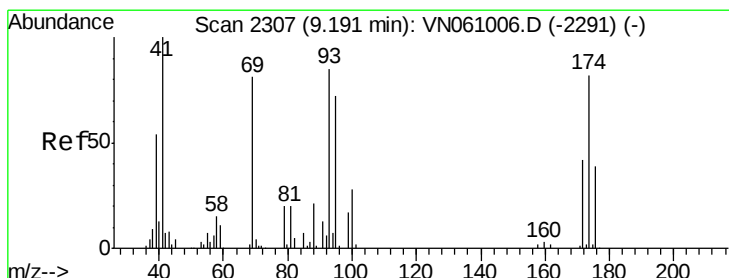
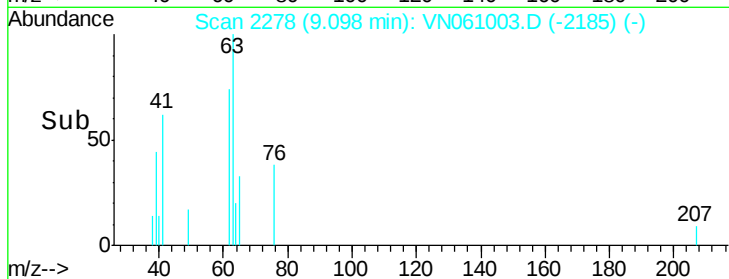
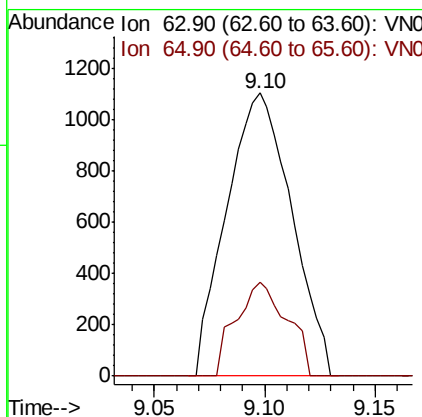
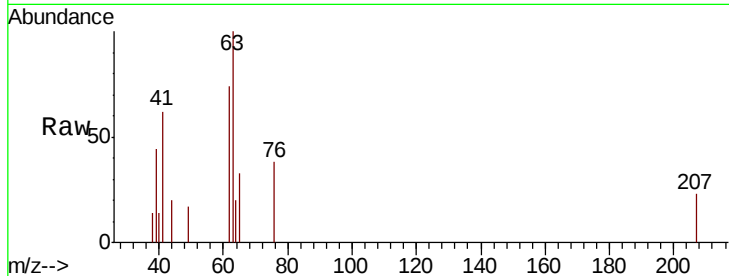




#45
 1,2-Dichloropropane
 Concen: 0.990 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. 0.00 min
 Lab File: VN061003.D
 Acq: 16 Apr 2020 11:11

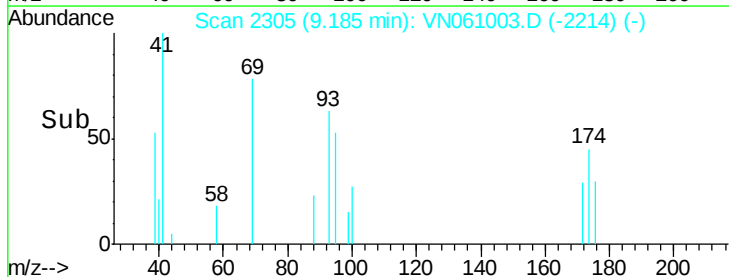
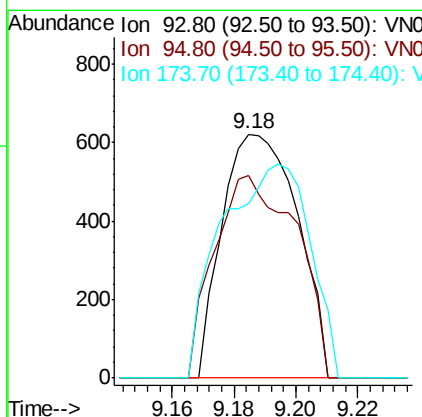
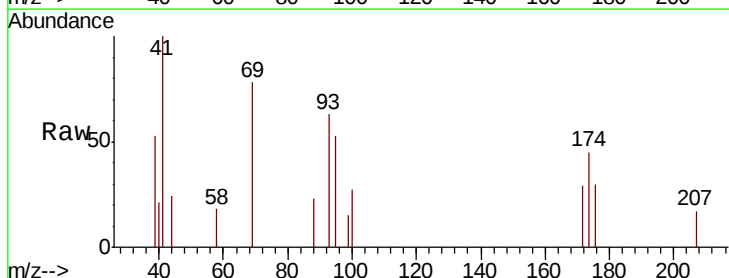
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 63 Resp: 2261
 Ion Ratio Lower Upper
 63 100
 65 33.3 25.2 37.8



#46
 Dibromomethane
 Concen: 0.767 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.01 min
 Lab File: VN061003.D
 Acq: 16 Apr 2020 11:11

Tgt Ion: 93 Resp: 1054
 Ion Ratio Lower Upper
 93 100
 95 90.3 66.8 100.2
 174 102.8 76.2 114.4





#47

Bromodichloromethane

Concen: 0.875 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

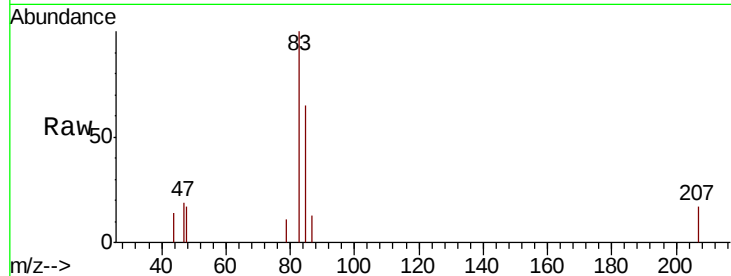
Tot Ion: 83 Resp: 2507

Ion Ratio Lower Upper

83 100

85 65.4 50.6 76.0

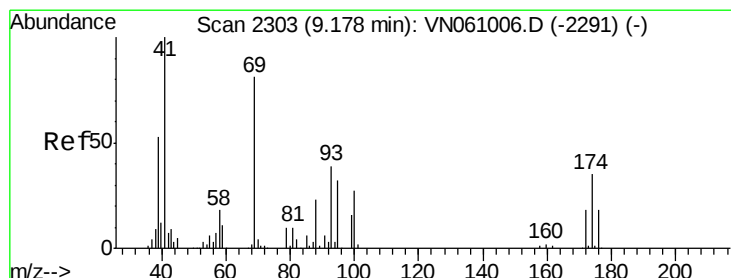
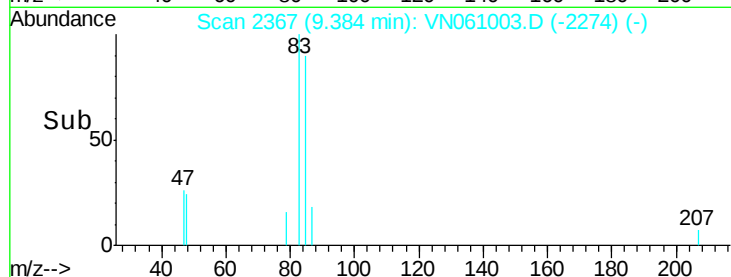
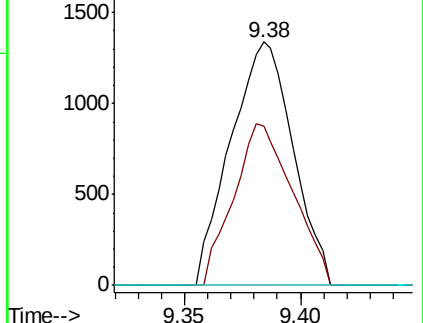
127 0.0 6.1 9.1#



Abundance Ion 82.90 (82.60 to 83.60): VN061003.D (-2274) (-)

Ion 84.90 (84.60 to 85.60): VN061003.D (-2274) (-)

Ion 126.80 (126.50 to 127.50): VN061003.D (-2274) (-)



#48

Methyl methacrylate

Concen: 0.839 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

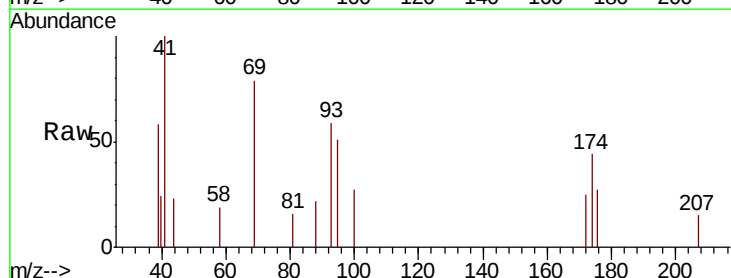
Tgt Ion: 41 Resp: 1915

Ion Ratio Lower Upper

41 100

69 76.3 65.3 97.9

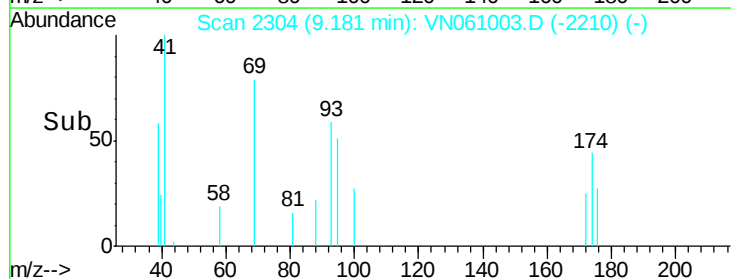
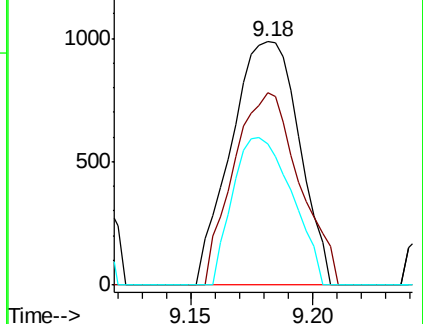
39 52.7 45.2 67.8

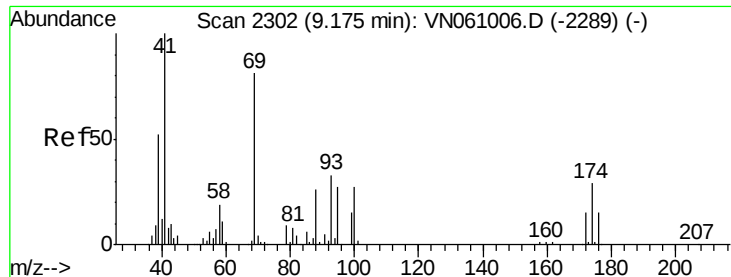


Abundance Ion 41.00 (40.70 to 41.70): VN061003.D (-2210) (-)

Ion 69.00 (68.70 to 69.70): VN061003.D (-2210) (-)

Ion 39.00 (38.70 to 39.70): VN061003.D (-2210) (-)

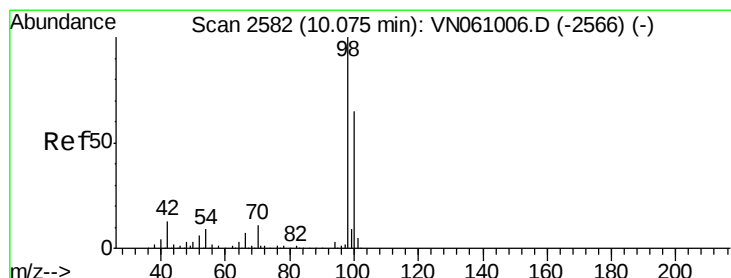
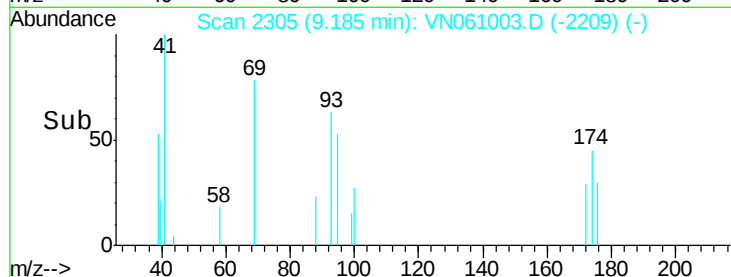
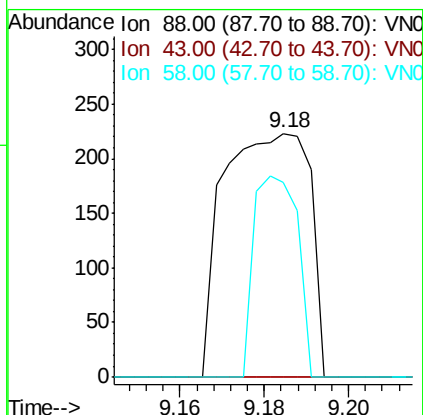
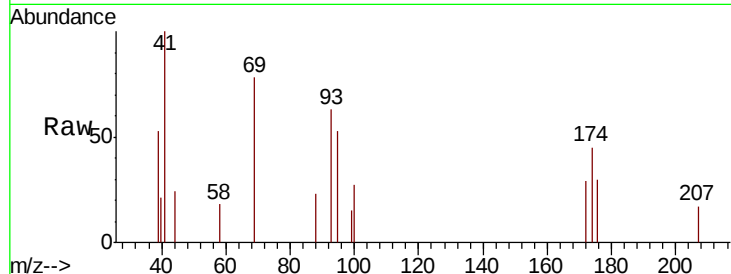




#49
 1,4-Dioxane
 Concen: 11.531 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. 0.01 min
 Lab File: VN061003.D
 Acq: 16 Apr 2020 11:11

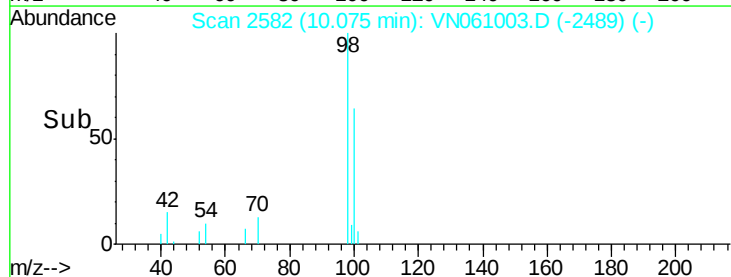
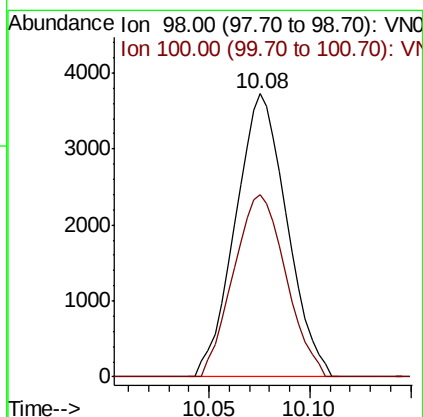
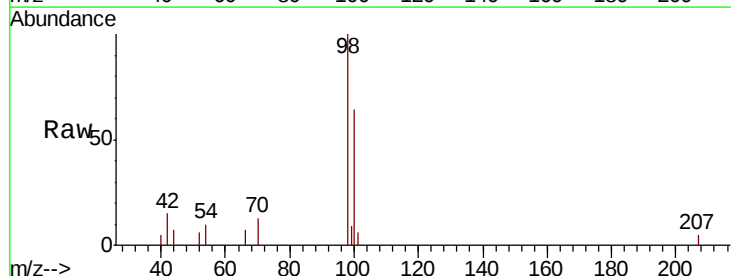
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

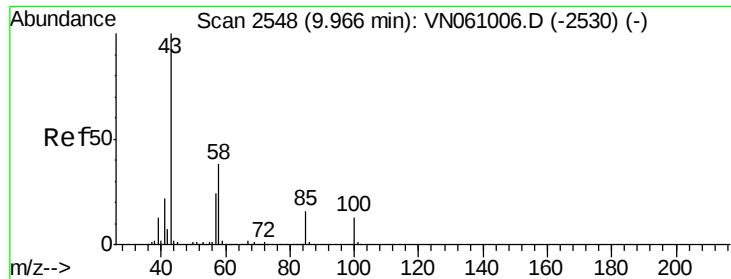
Tot Ion: 88 Resp: 317
 Ion Ratio Lower Upper
 88 100
 43 0.0 30.9 46.3#
 58 41.6 59.8 89.8#



#50
 Toluene-d8
 Concen: 0.951 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. 0.00 min
 Lab File: VN061003.D
 Acq: 16 Apr 2020 11:11

Tgt Ion: 98 Resp: 6648
 Ion Ratio Lower Upper
 98 100
 100 65.5 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 4.391 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. 0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

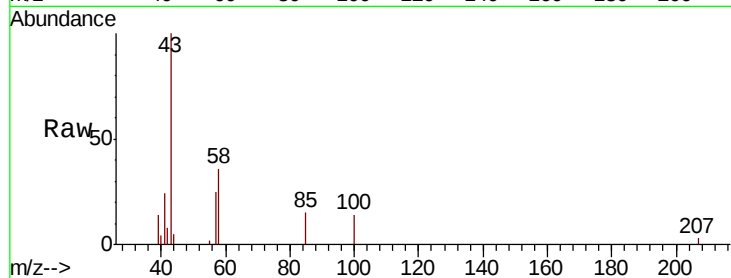
VSTDIC001

Tot Ion: 43 Resp: 12808

Ion Ratio Lower Upper

43 100

58 34.9 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-2530) (-)

Ion 58.00 (57.70 to 58.70): VN061006.D (-2530) (-)

9.97

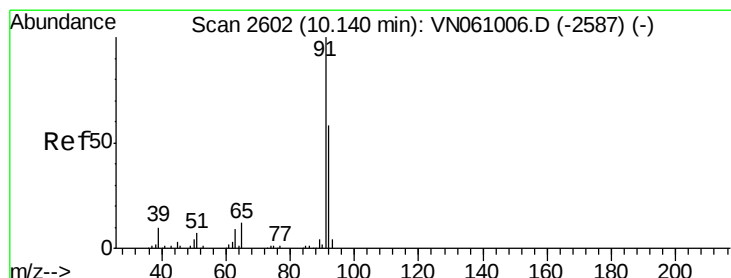
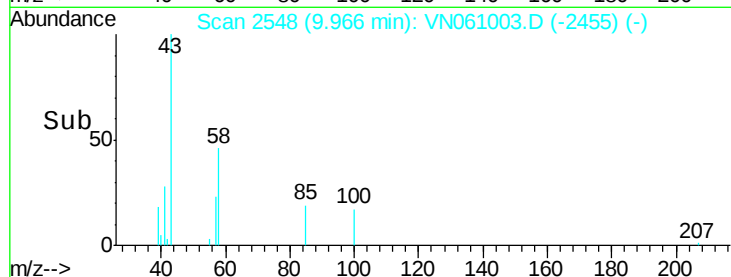
6000

4000

2000

0

Time-->



#52

Toluene

Concen: 0.967 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN061003.D

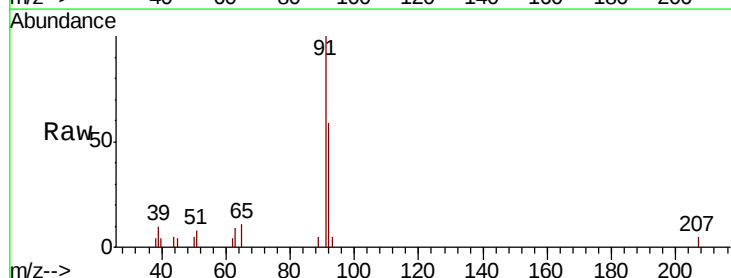
Acq: 16 Apr 2020 11:11

Tgt Ion: 92 Resp: 5042

Ion Ratio Lower Upper

92 100

91 173.4 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VN061006.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN061006.D (-2587) (-)

10.14

5000

4000

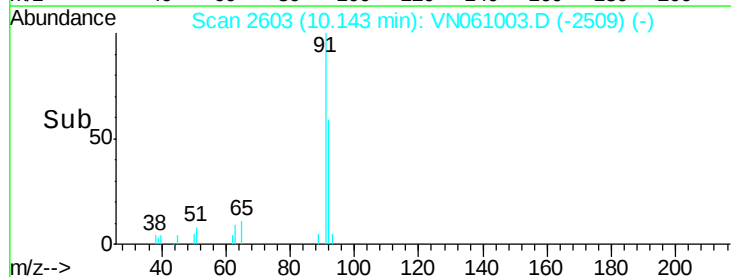
3000

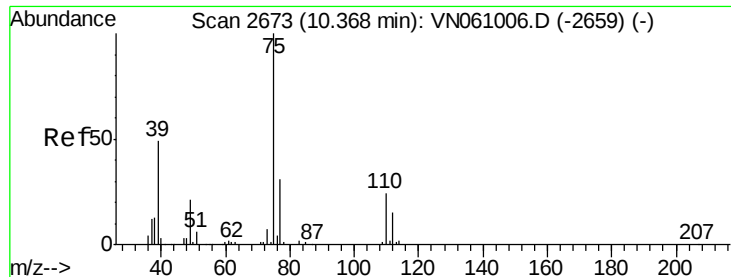
2000

1000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 0.864 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. 0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

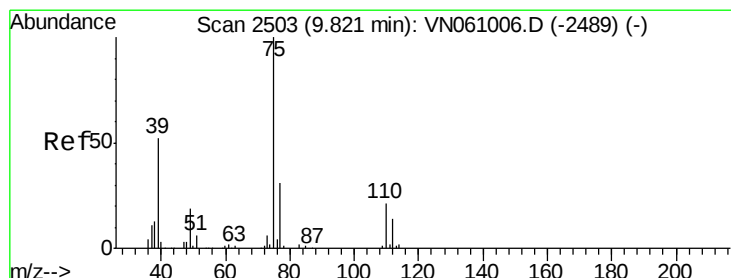
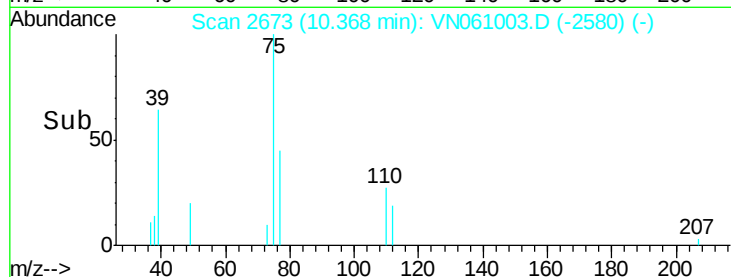
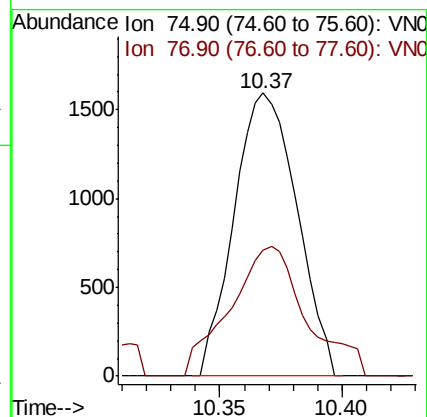
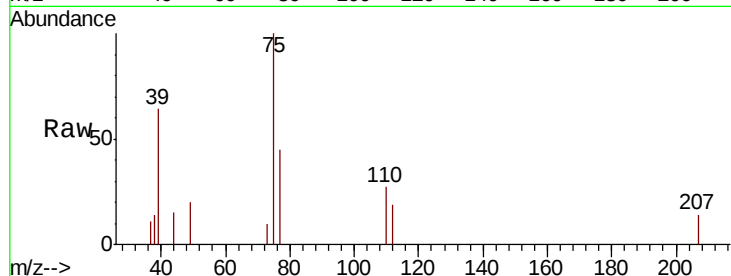
VSTDIC001

Tot Ion: 75 Resp: 2847

Ion Ratio Lower Upper

75 100

77 34.5 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 0.863 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

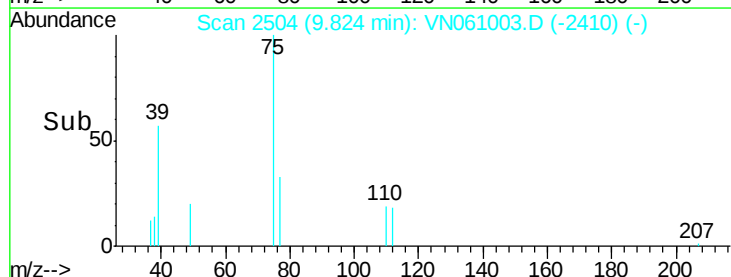
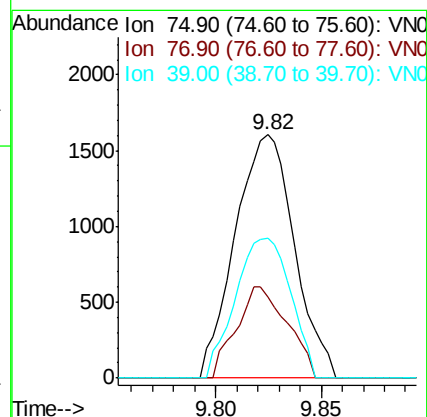
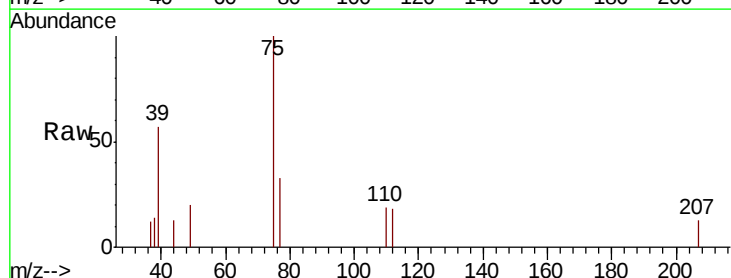
Tgt Ion: 75 Resp: 3125

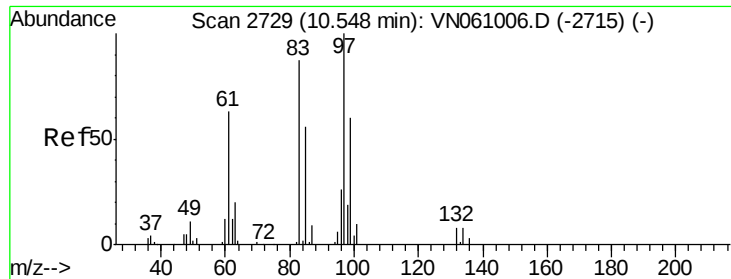
Ion Ratio Lower Upper

75 100

77 33.1 25.0 37.6

39 57.3 41.4 62.2

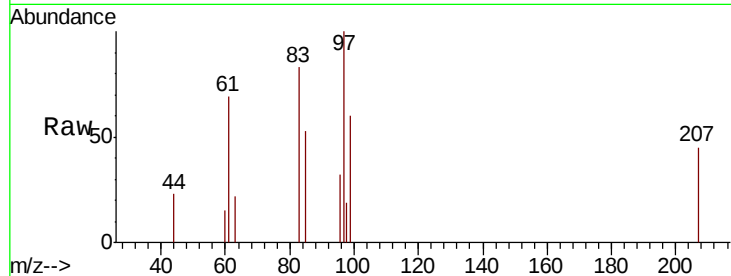




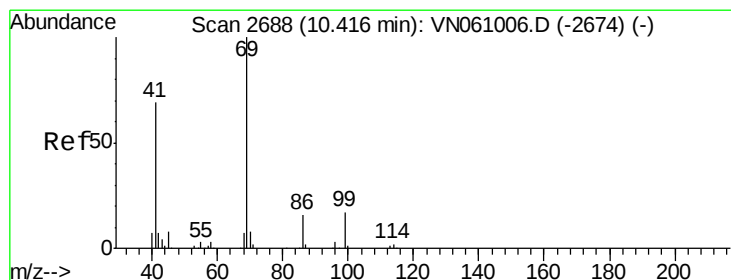
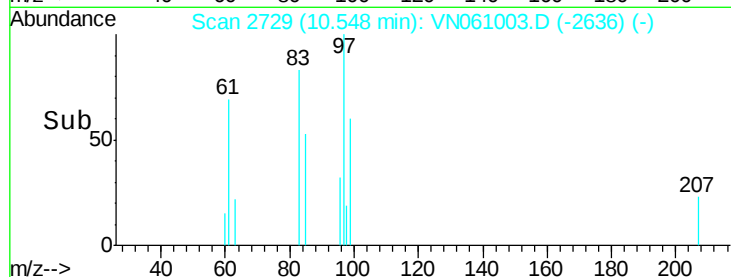
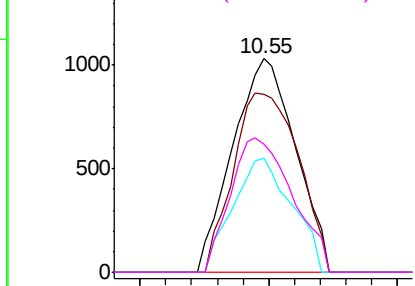
#55
 1,1,2-Trichloroethane
 Concen: 0.873 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. 0.00 min
 Lab File: VN061003.D
 Acq: 16 Apr 2020 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion: 97 Resp: 1750
 Ion Ratio Lower Upper
 97 100
 83 83.1 69.5 104.3
 85 53.5 45.0 67.4
 99 59.8 47.9 71.9

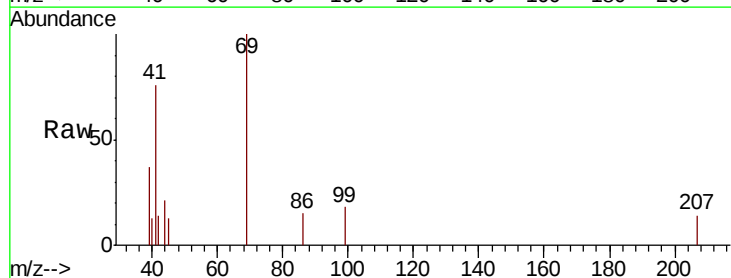


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

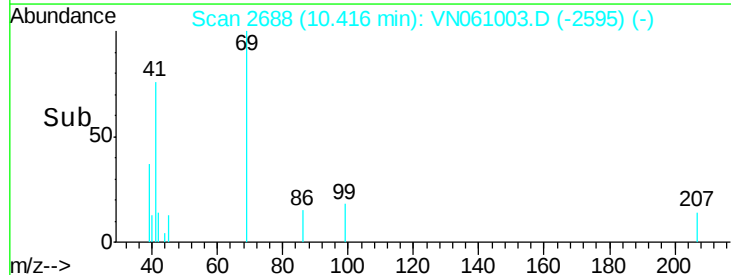
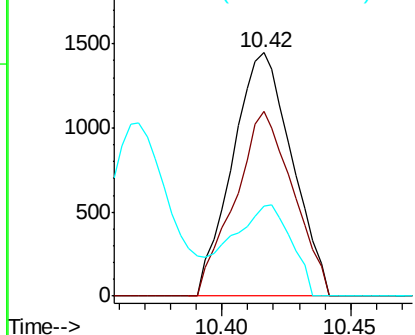


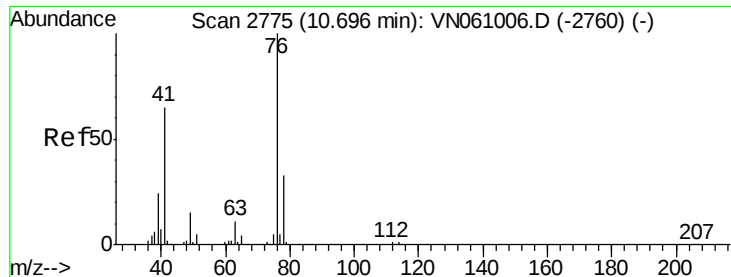
#56
 Ethyl methacrylate
 Concen: 0.744 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN061003.D
 Acq: 16 Apr 2020 11:11

Tgt Ion: 69 Resp: 2327
 Ion Ratio Lower Upper
 69 100
 41 74.3 56.7 85.1
 39 37.8 29.4 44.0



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

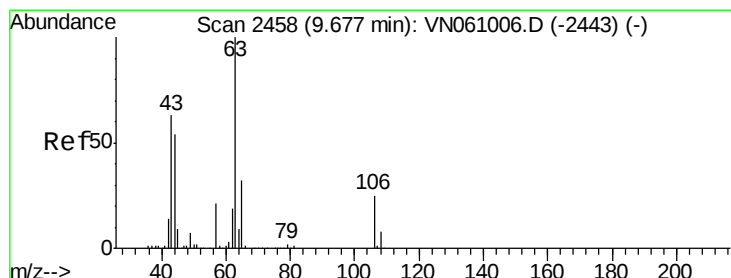
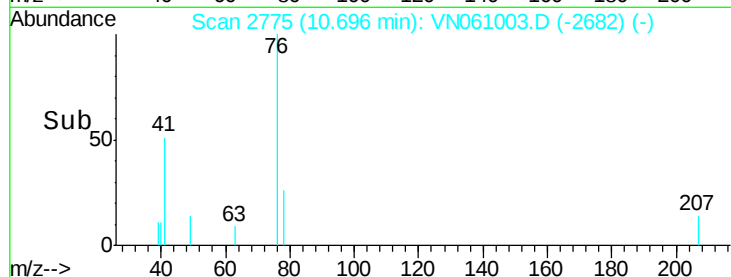
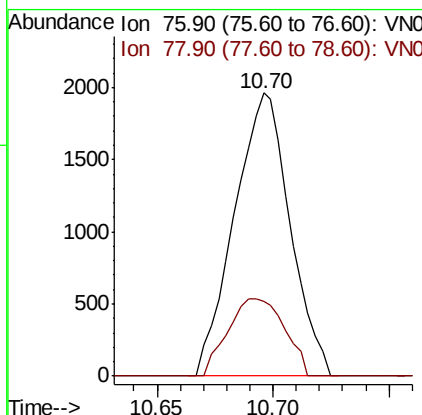
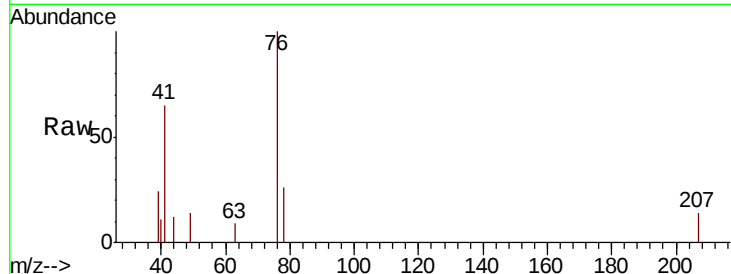




#57
 1,3-Dichloropropane
 Concen: 0.937 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN061003.D
 Acq: 16 Apr 2020 11:11

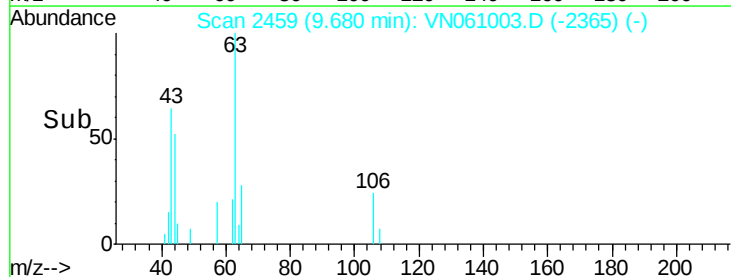
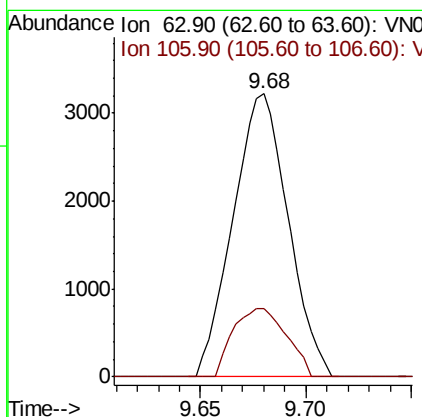
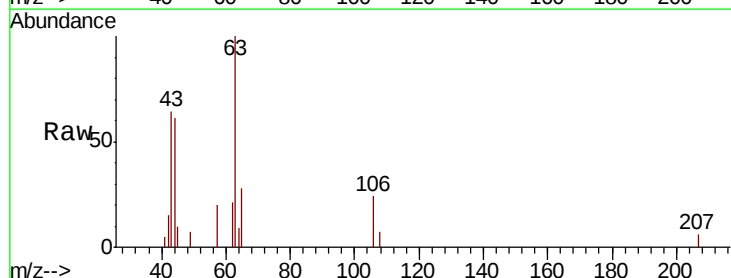
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

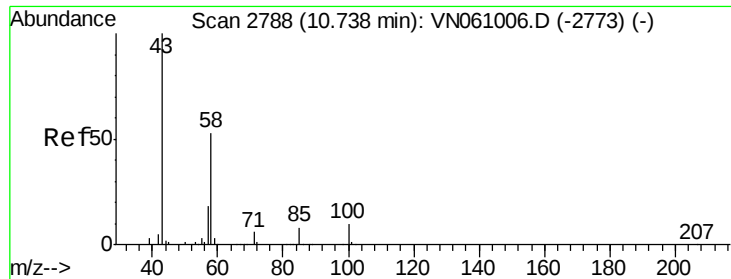
Tot Ion: 76 Resp: 3266
 Ion Ratio Lower Upper
 76 100
 78 27.8 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 3.923 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN061003.D
 Acq: 16 Apr 2020 11:11

Tgt Ion: 63 Resp: 5857
 Ion Ratio Lower Upper
 63 100
 106 23.3 19.5 29.3

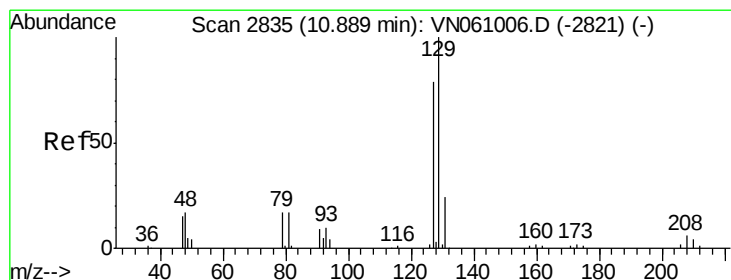
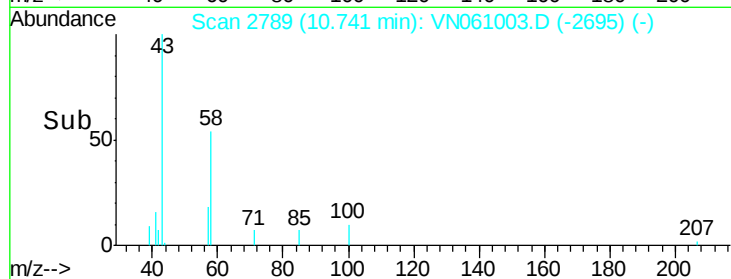
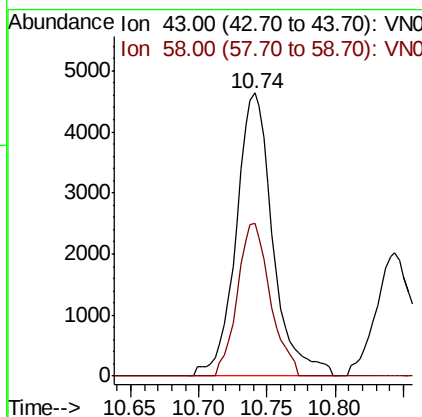
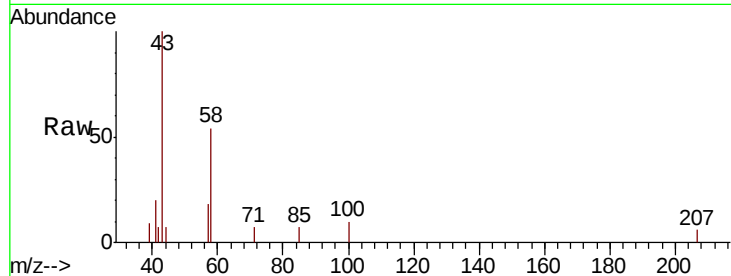




#59
2-Hexanone
Concen: 4.128 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN061003.D
Acq: 16 Apr 2020 11:11

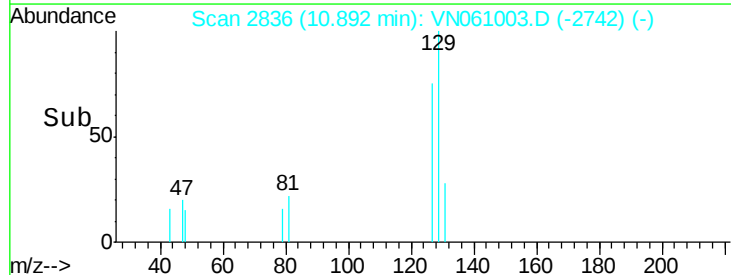
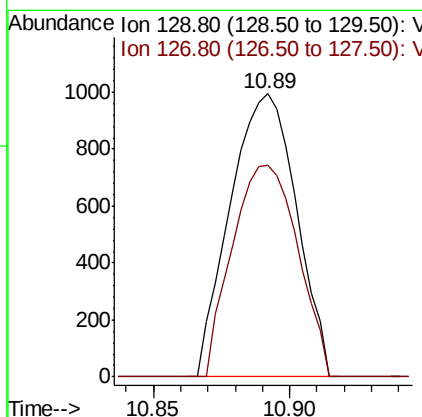
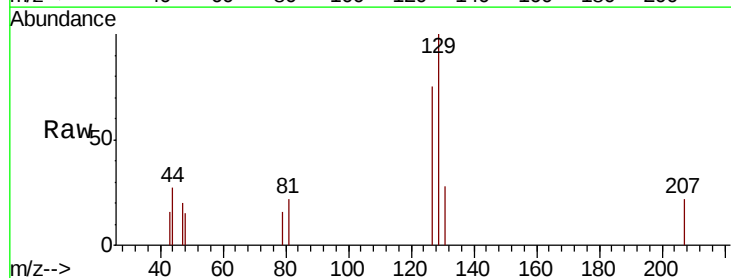
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

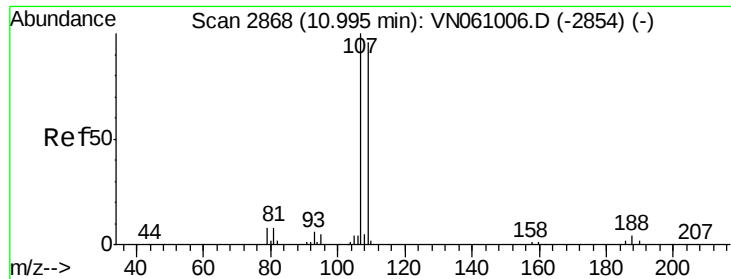
Tot Ion: 43 Resp: 8669
Ion Ratio Lower Upper
43 100
58 48.2 26.4 79.0



#60
Dibromochloromethane
Concen: 0.811 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN061003.D
Acq: 16 Apr 2020 11:11

Tgt Ion: 129 Resp: 1674
Ion Ratio Lower Upper
129 100
127 74.1 39.0 116.9





#61

1,2-Dibromoethane

Concen: 0.882 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

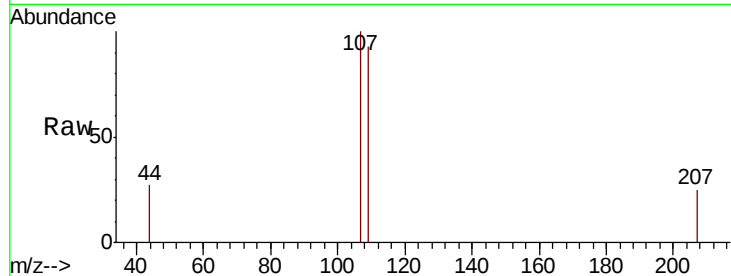
VSTDIC001

Tot Ion:107 Resp: 1773

Ion Ratio Lower Upper

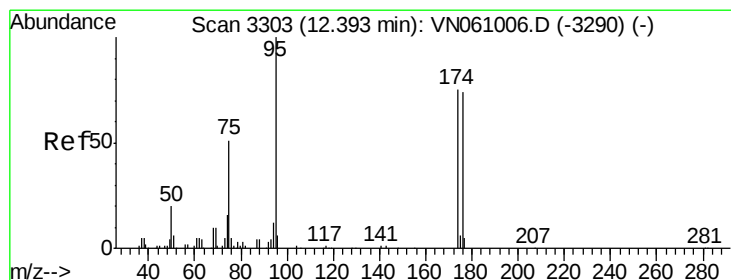
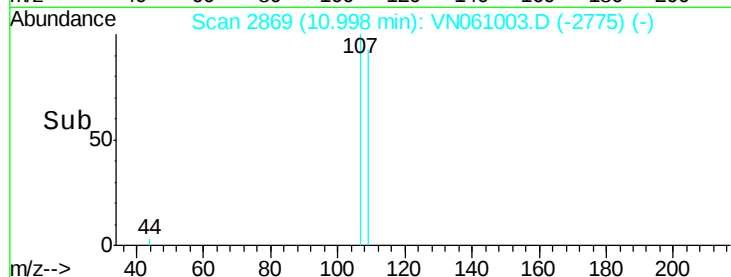
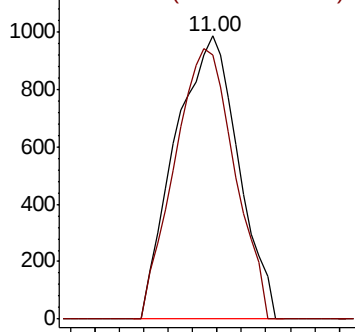
107 100

109 90.7 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 1.314 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

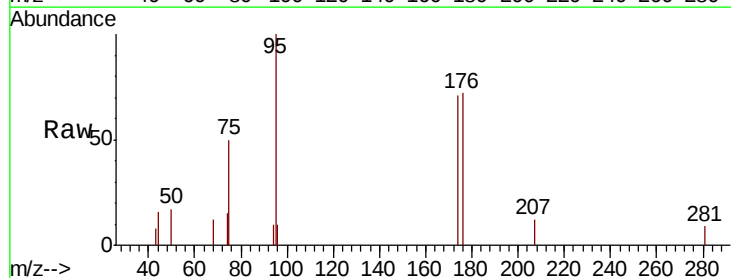
Tgt Ion: 95 Resp: 3421

Ion Ratio Lower Upper

95 100

174 68.0 0.0 151.2

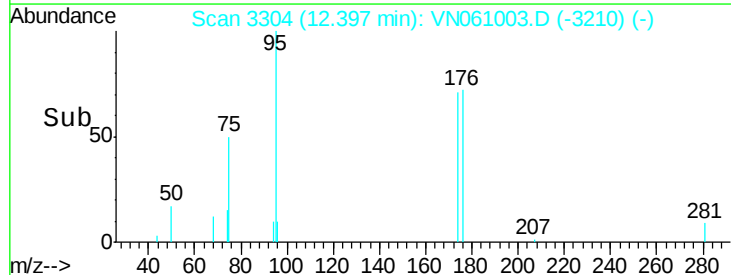
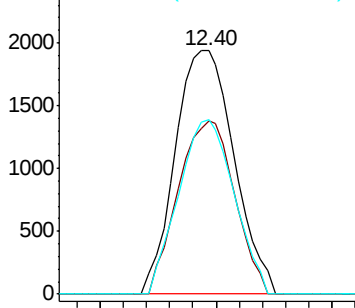
176 67.5 0.0 148.2

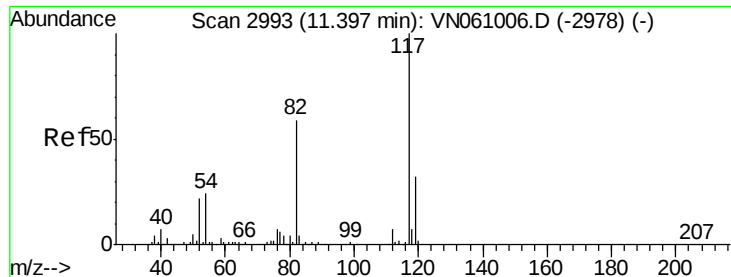


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

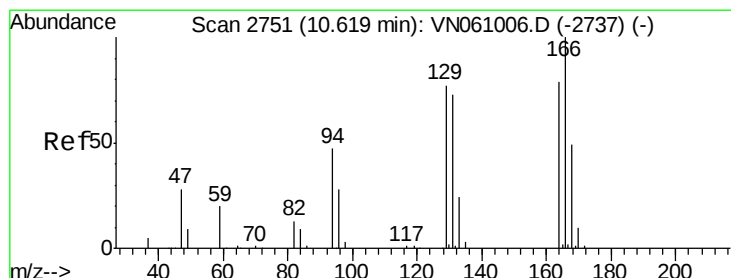
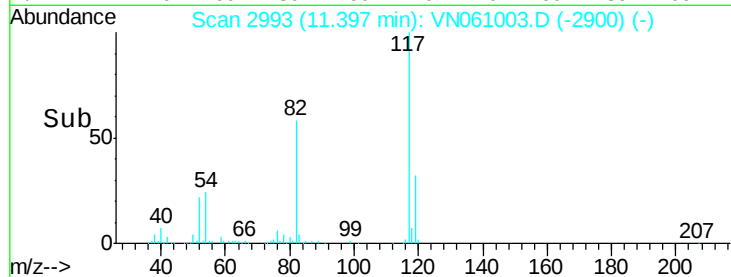
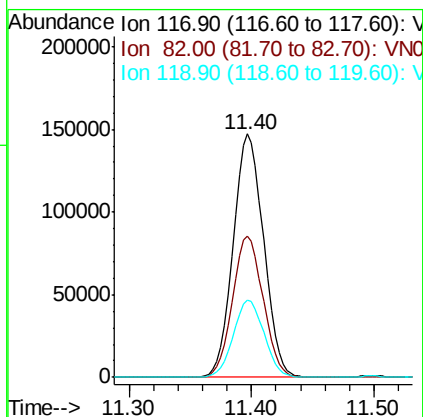
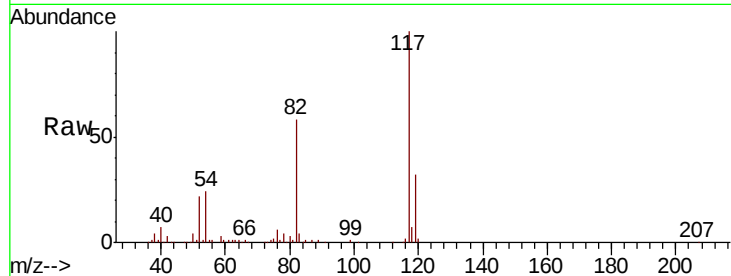




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061003.D
Acq: 16 Apr 2020 11:11

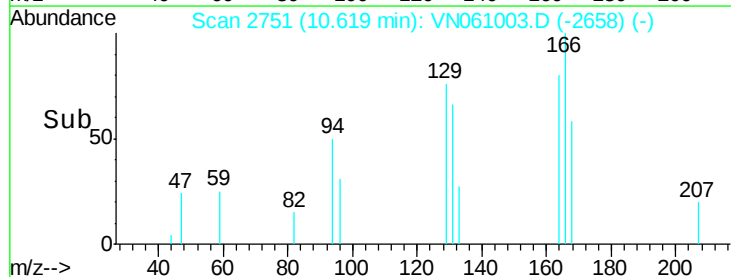
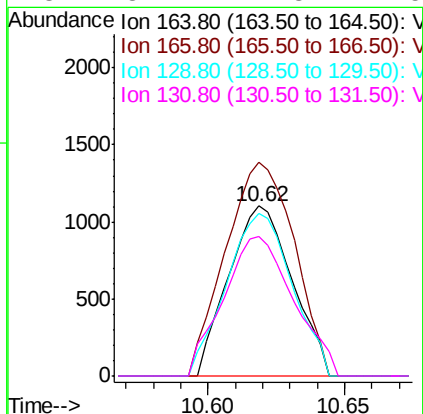
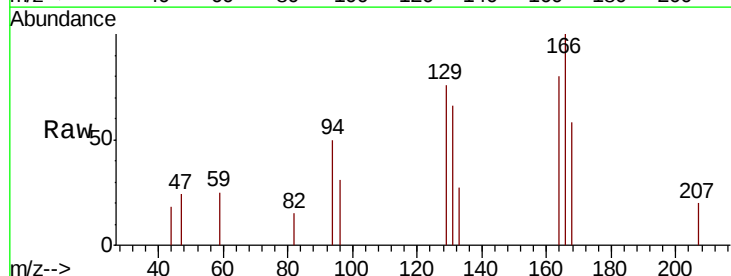
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

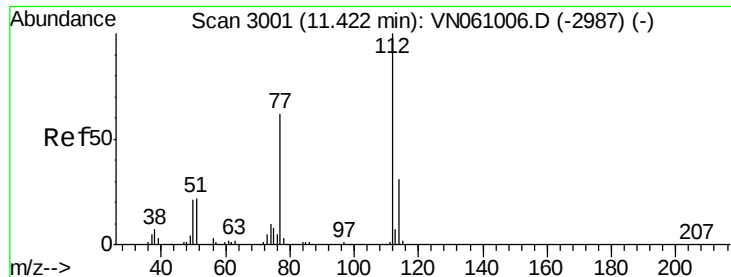
Tot Ion:117 Resp: 254816
Ion Ratio Lower Upper
117 100
82 58.3 47.1 70.7
119 31.7 25.7 38.5



#64
Tetrachloroethene
Concen: 0.891 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VN061003.D
Acq: 16 Apr 2020 11:11

Tgt Ion:164 Resp: 1778
Ion Ratio Lower Upper
164 100
166 125.7 101.6 152.4
129 95.4 78.5 117.7
131 82.4 74.3 111.5

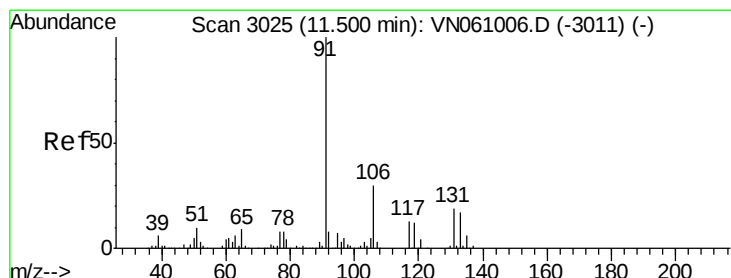
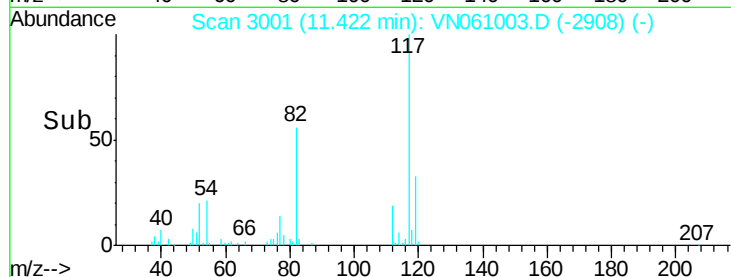
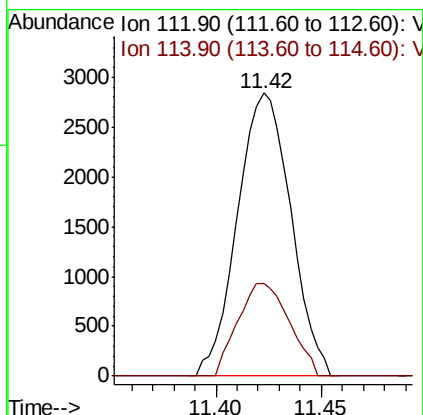
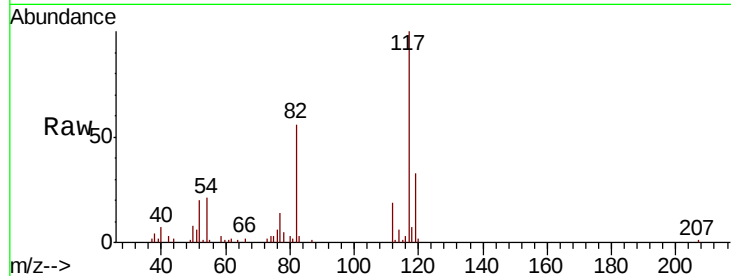




#65
Chlorobenzene
Concen: 0.984 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. 0.00 min
Lab File: VN061003.D
Acq: 16 Apr 2020 11:11

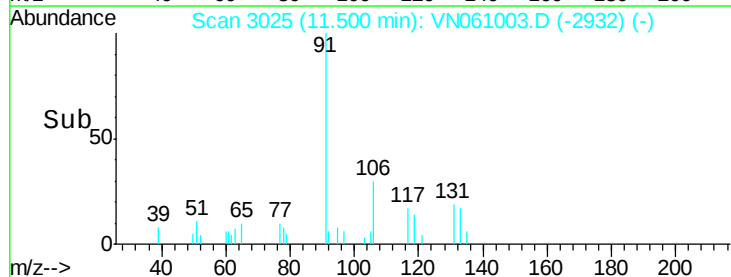
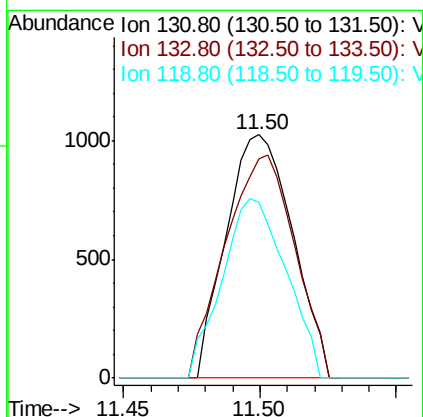
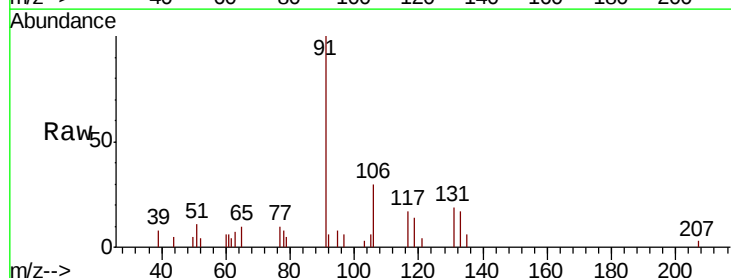
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

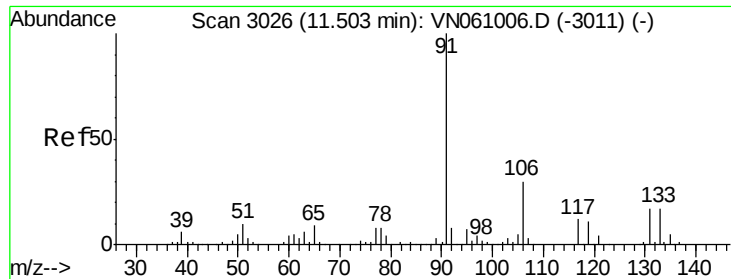
Tot Ion:112 Resp: 5002
Ion Ratio Lower Upper
112 100
114 32.8 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 0.943 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN061003.D
Acq: 16 Apr 2020 11:11

Tgt Ion:131 Resp: 1732
Ion Ratio Lower Upper
131 100
133 95.7 47.9 143.8
119 0.0 33.3 99.8#

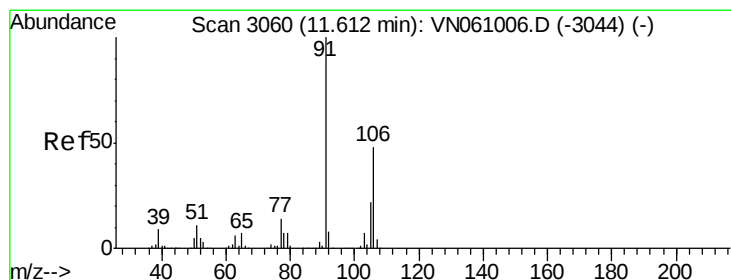
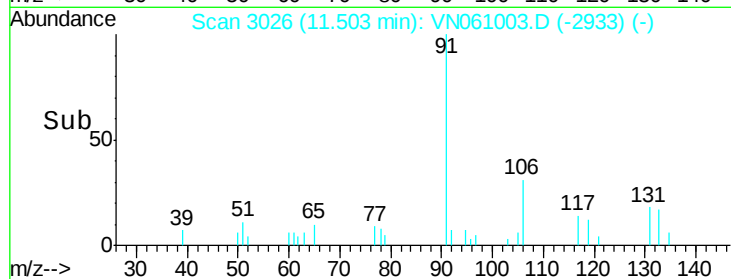
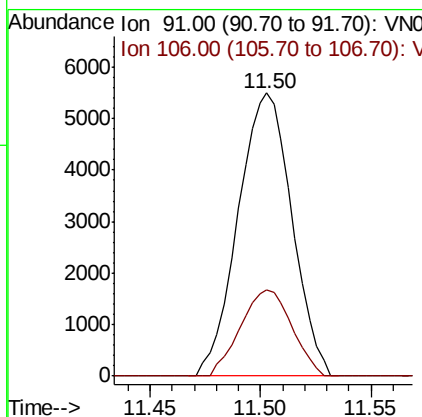
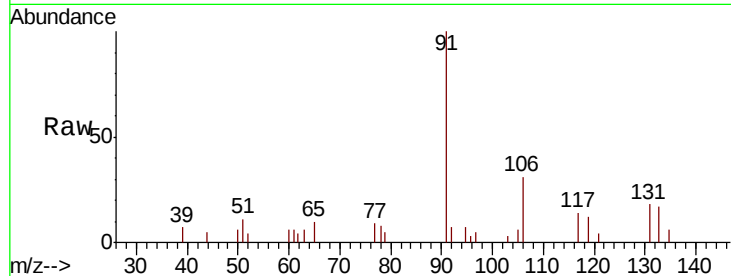




#67
Ethyl Benzene
Concen: 0.983 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN061003.D
Acq: 16 Apr 2020 11:11

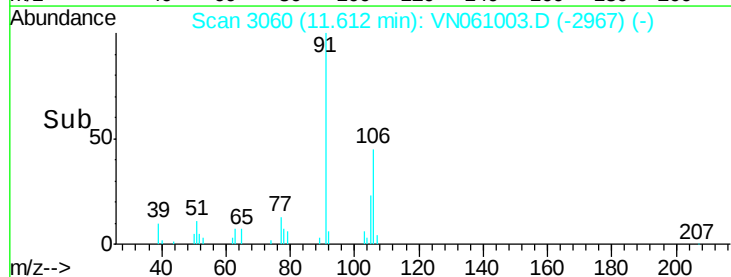
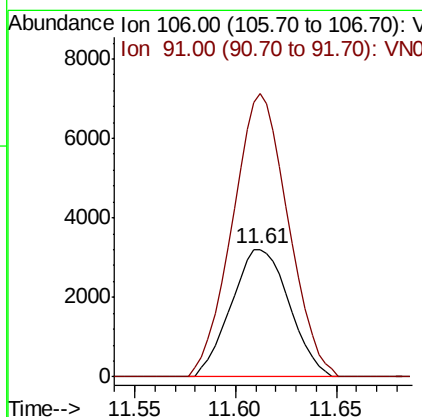
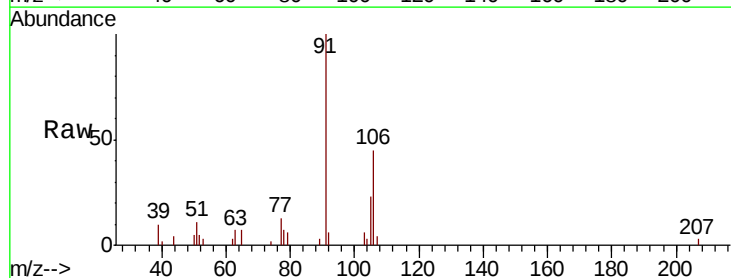
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

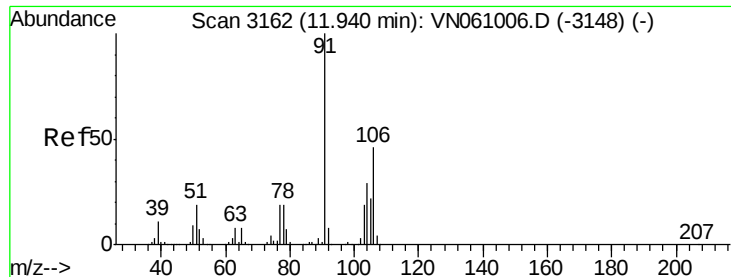
Tot Ion: 91 Resp: 9293
Ion Ratio Lower Upper
91 100
106 30.7 23.8 35.8



#68
m/p-Xylenes
Concen: 1.840 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN061003.D
Acq: 16 Apr 2020 11:11

Tgt Ion: 106 Resp: 6436
Ion Ratio Lower Upper
106 100
91 213.0 167.9 251.9

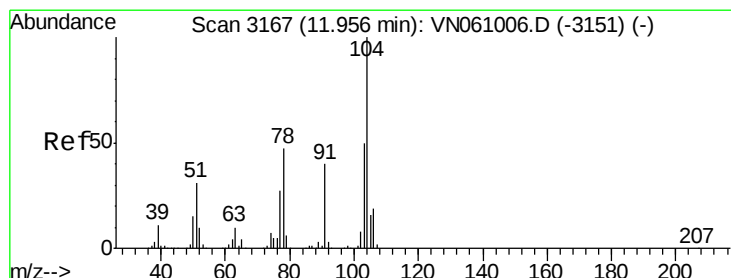
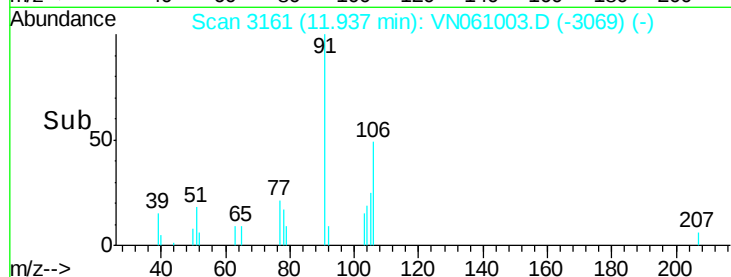
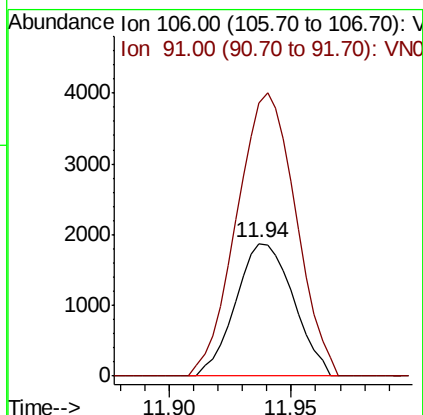
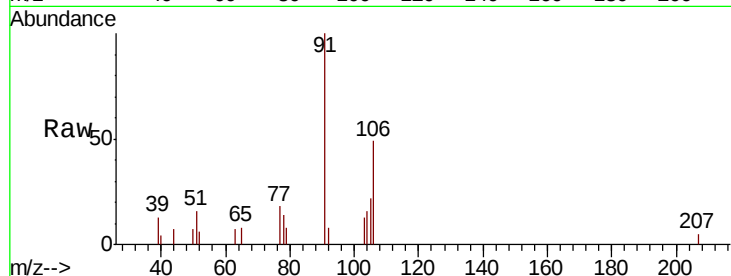




#69
o-Xylene
Concen: 0.920 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061003.D
Acq: 16 Apr 2020 11:11

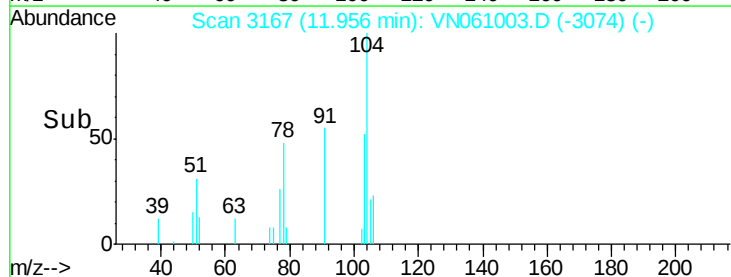
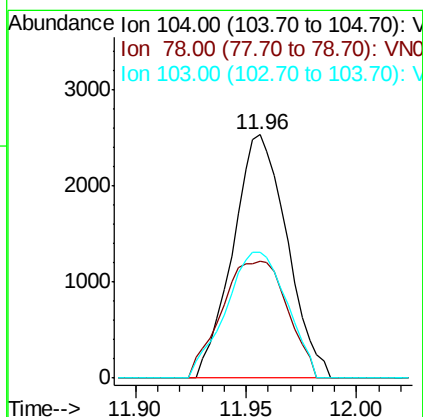
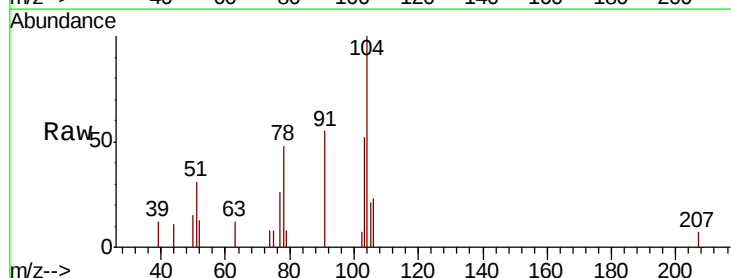
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

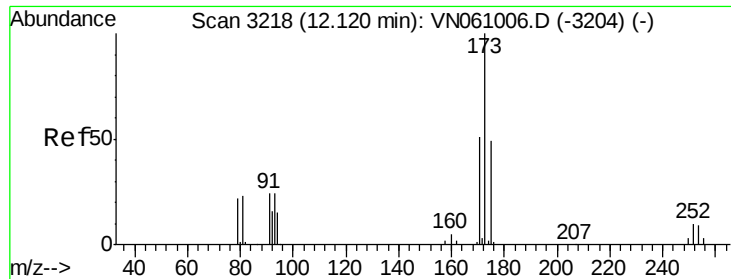
Tot Ion:106 Resp: 3071
Ion Ratio Lower Upper
106 100
91 219.0 110.7 332.1



#70
Styrene
Concen: 0.789 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061003.D
Acq: 16 Apr 2020 11:11

Tgt Ion:104 Resp: 4314
Ion Ratio Lower Upper
104 100
78 58.2 42.2 63.4
103 58.2 44.4 66.6





#71

Bromoform

Concen: 0.762 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

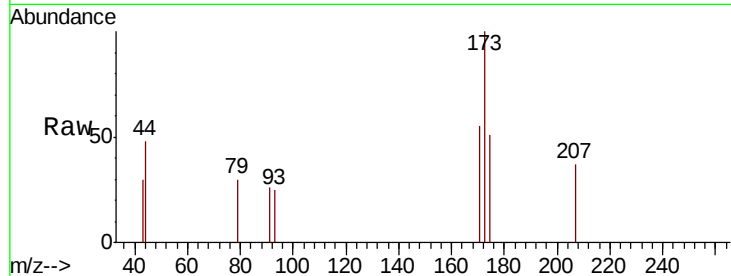
Tot Ion:173 Resp: 1043

Ion Ratio Lower Upper

173 100

175 40.8 24.5 73.5

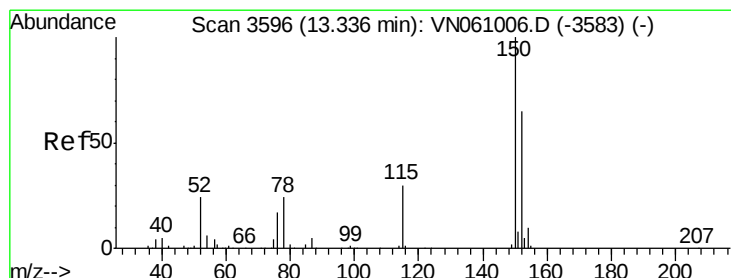
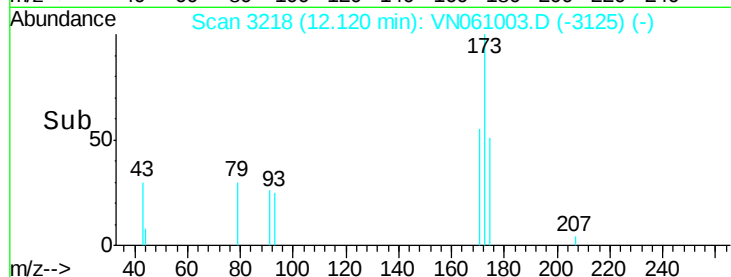
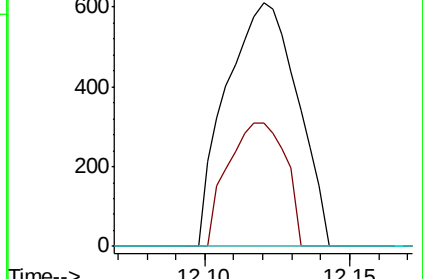
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

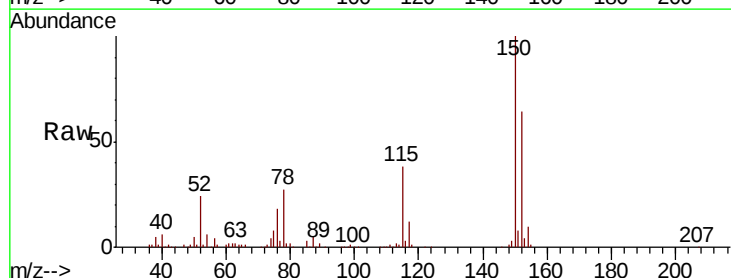
Tgt Ion:152 Resp: 106859

Ion Ratio Lower Upper

152 100

115 60.0 30.8 92.4

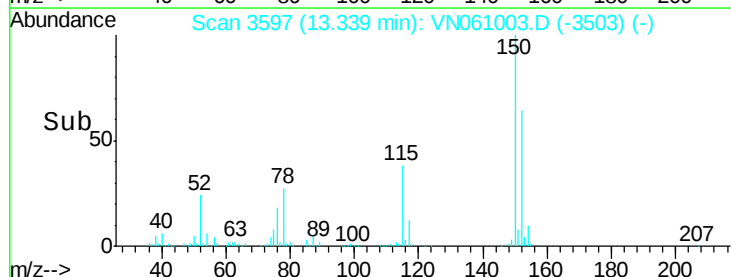
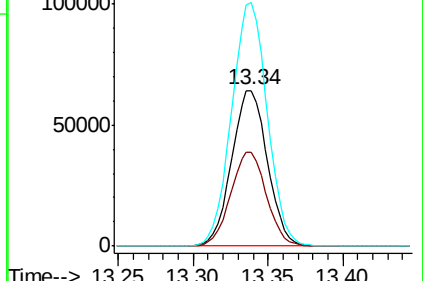
150 156.3 0.0 349.0

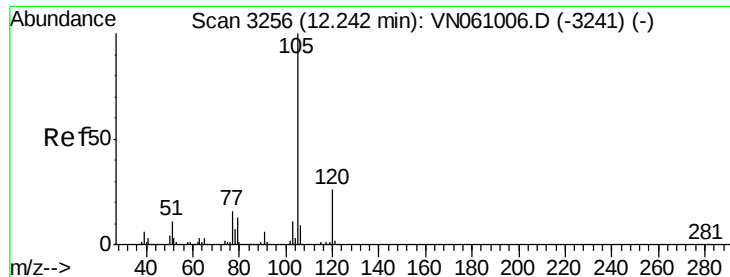


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.091 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

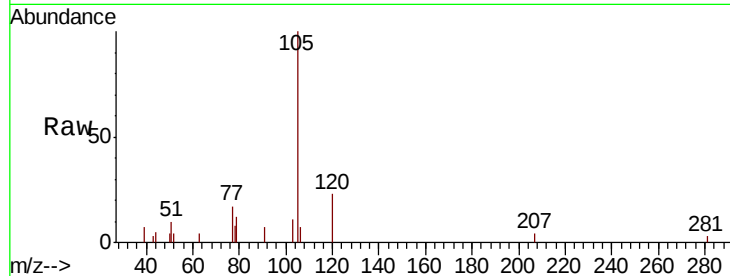
VSTDIC001

Tot Ion:105 Resp: 8797

Ion Ratio Lower Upper

105 100

120 23.8 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

6000

5000

4000

3000

2000

1000

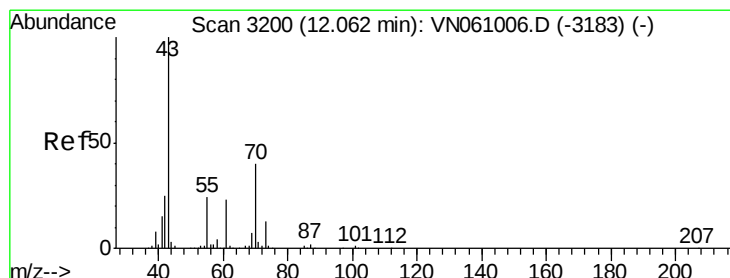
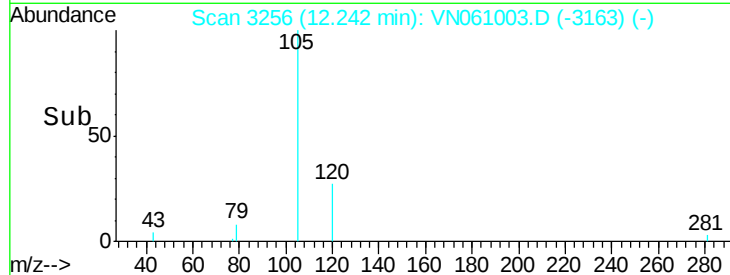
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 1.003 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

Tgt Ion: 43 Resp: 3752

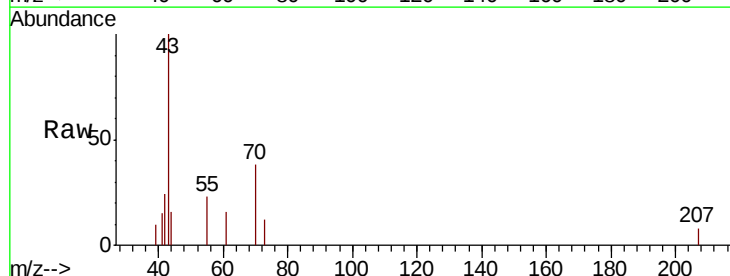
Ion Ratio Lower Upper

43 100

70 32.1 31.0 46.6

55 18.9 18.6 27.8

61 13.0 18.2 27.4#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

3000

2500

2000

1500

1000

500

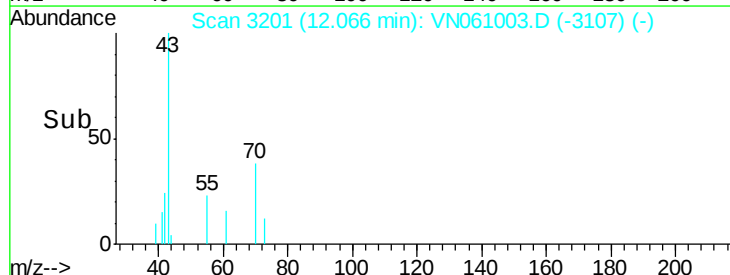
0

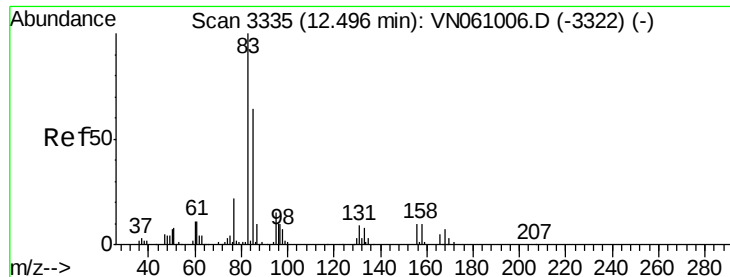
12.00

12.05

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 1.012 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

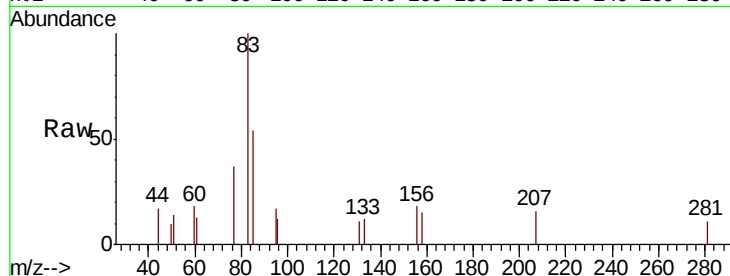
Tot Ion: 83 Resp: 2480

Ion Ratio Lower Upper

83 100

131 2.5 4.8 14.3#

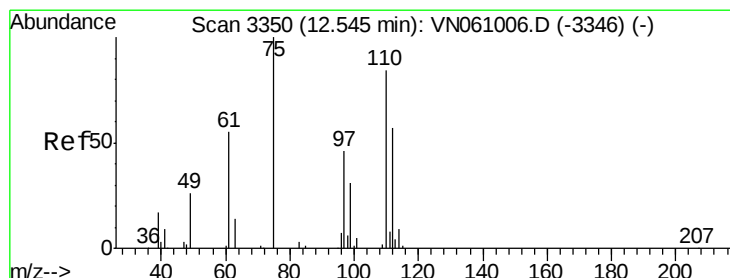
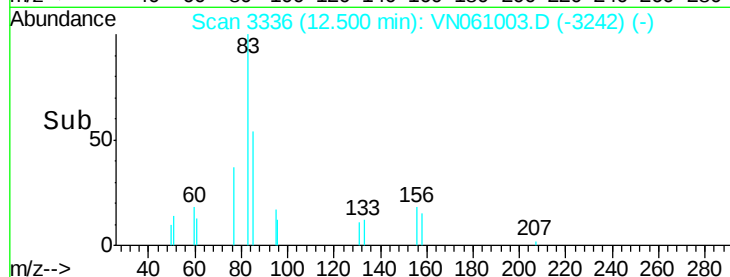
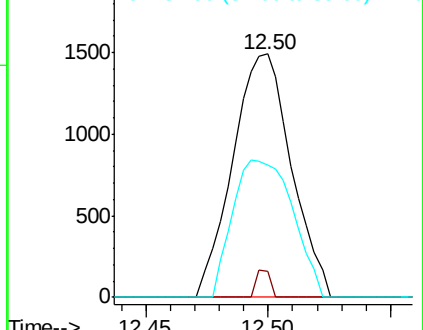
85 58.0 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 1.304 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN061003.D

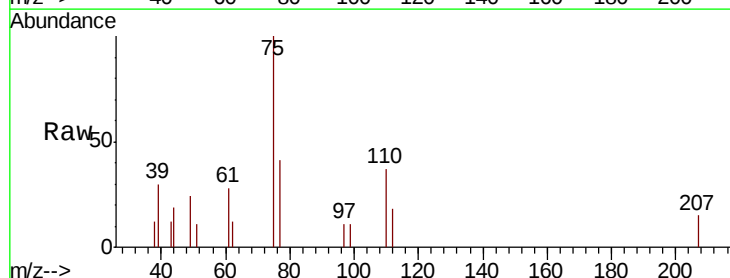
Acq: 16 Apr 2020 11:11

Tgt Ion: 75 Resp: 3017

Ion Ratio Lower Upper

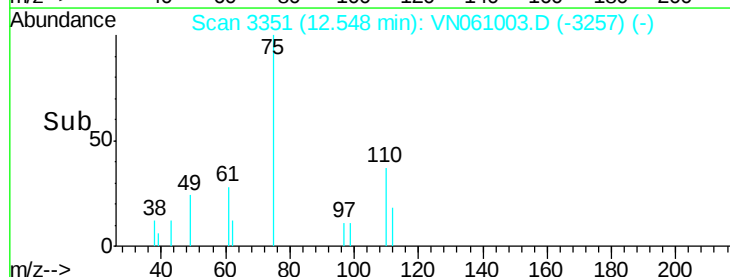
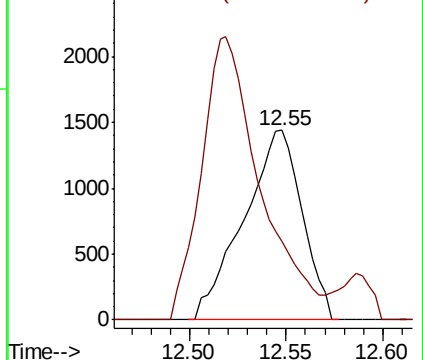
75 100

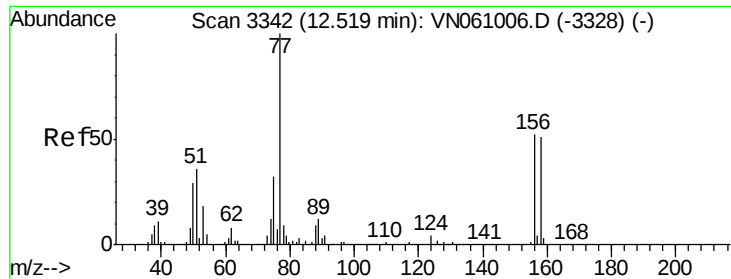
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 1.050 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

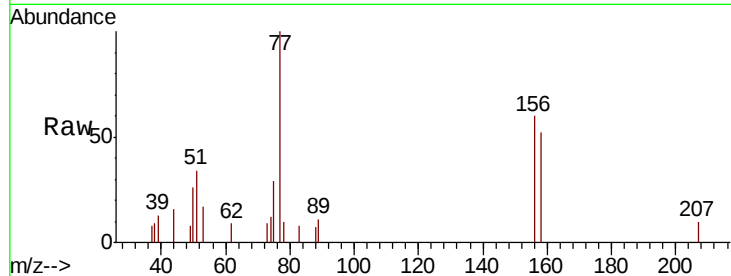
Tot Ion:156 Resp: 2033

Ion Ratio Lower Upper

156 100

77 224.2 115.6 346.8

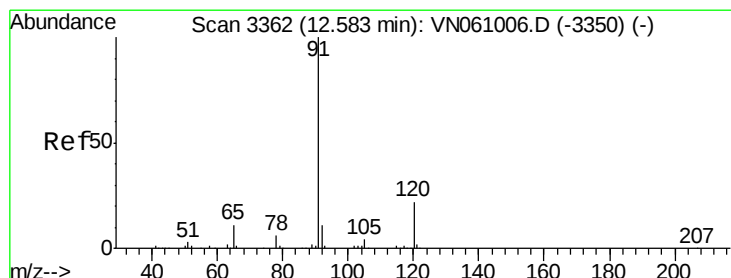
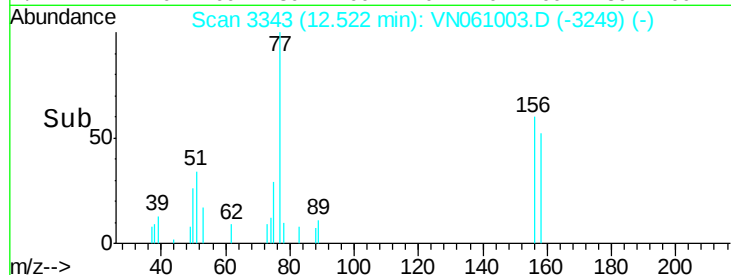
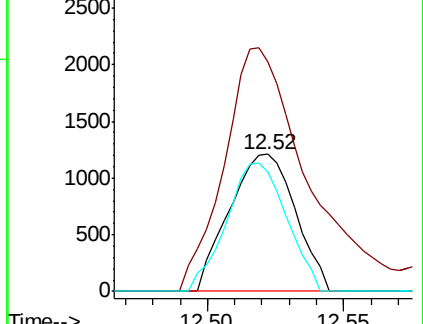
158 85.2 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.984 ug/l

RT: 12.58 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VN061003.D

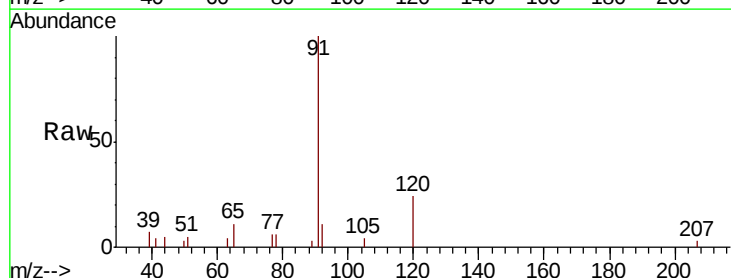
Acq: 16 Apr 2020 11:11

Tgt Ion: 91 Resp: 9406

Ion Ratio Lower Upper

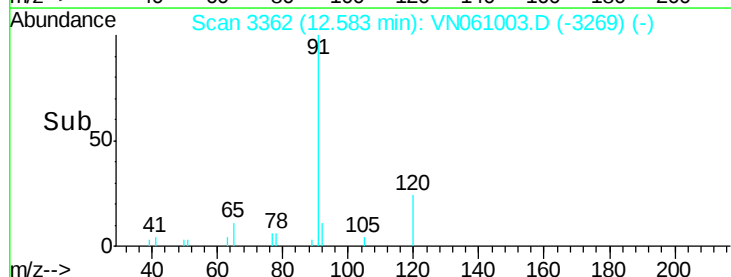
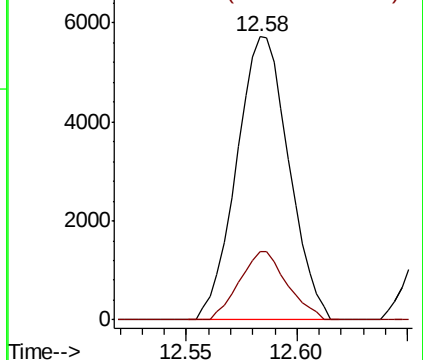
91 100

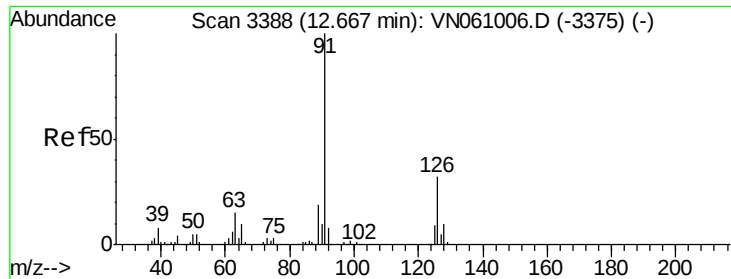
120 22.0 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

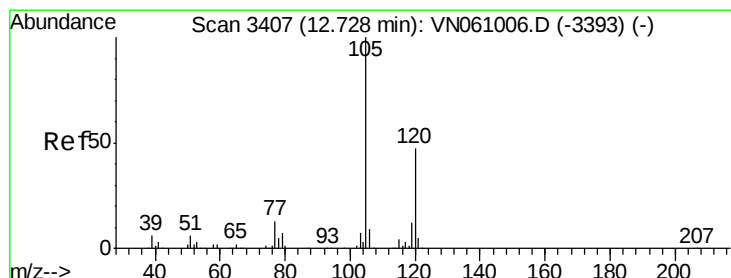
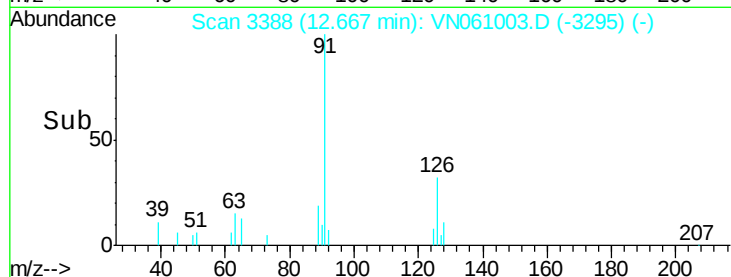
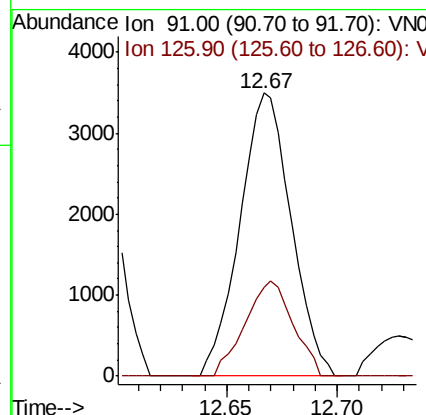
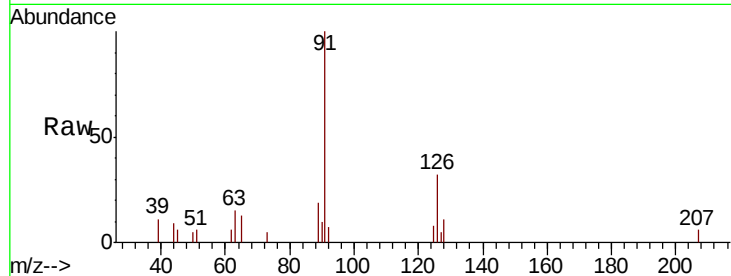




#79
 2-Chlorotoluene
 Concen: 0.993 ug/l
 RT: 12.67 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VN061003.D
 Acq: 16 Apr 2020 11:11

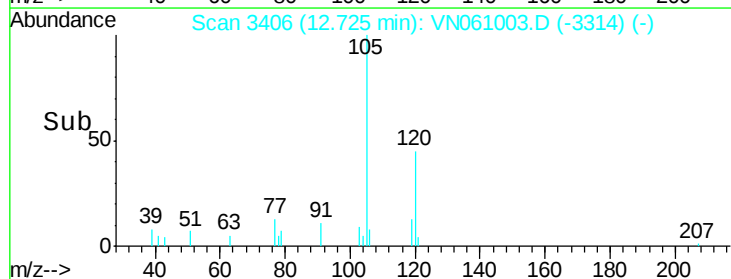
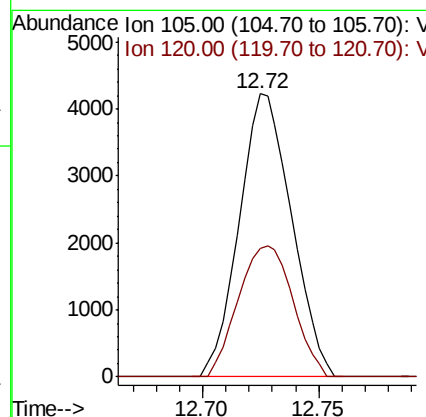
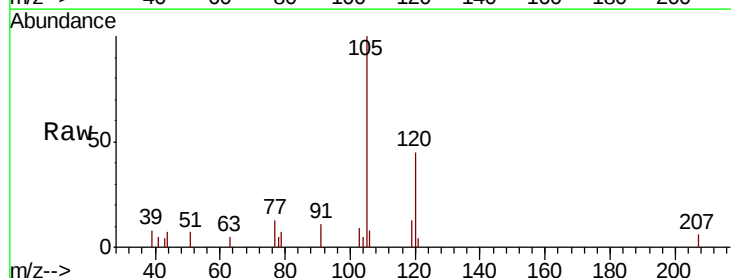
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

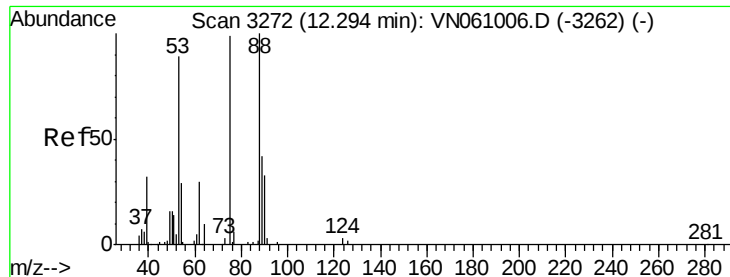
Tot Ion: 91 Resp: 5650
 Ion Ratio Lower Upper
 91 100
 126 31.3 16.1 48.2



#80
 1,3,5-Trimethylbenzene
 Concen: 0.966 ug/l
 RT: 12.72 min Scan# 3406
 Delta R.T. -0.00 min
 Lab File: VN061003.D
 Acq: 16 Apr 2020 11:11

Tgt Ion: 105 Resp: 6618
 Ion Ratio Lower Upper
 105 100
 120 48.4 23.6 70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 0.815 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

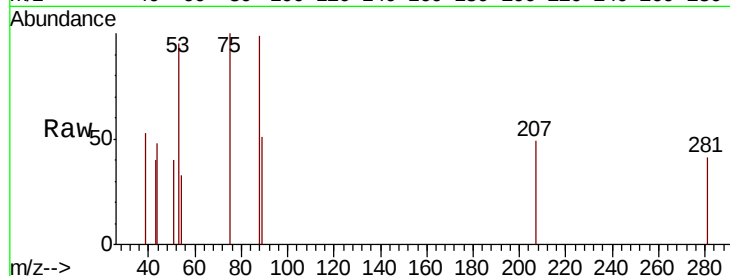
Tot Ion: 75 Resp: 738

Ion Ratio Lower Upper

75 100

53 91.1 74.7 112.1

89 27.4 34.6 52.0#

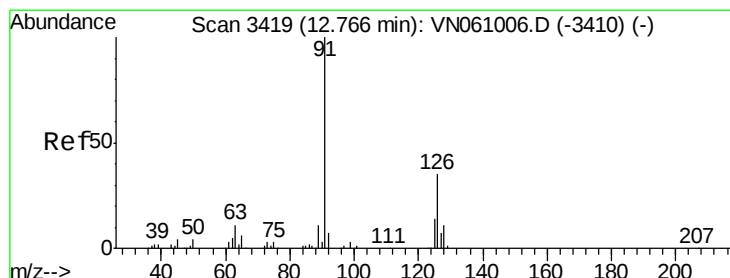
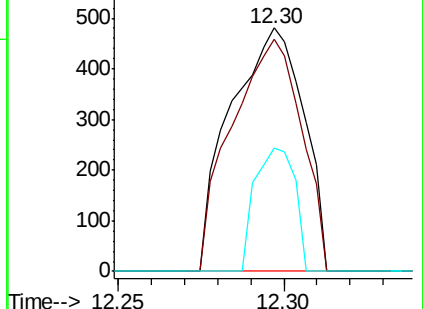
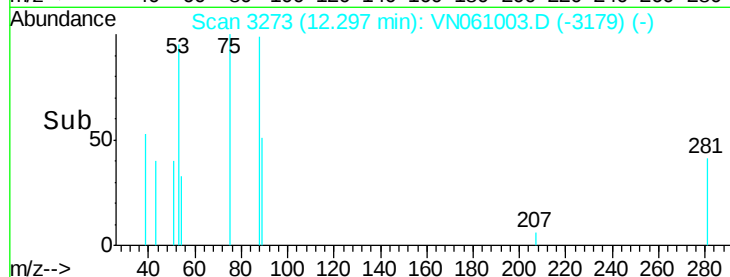


Abundance Ion 74.90 (74.60 to 75.60): VN061003.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN061003.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN061003.D (-3179) (-)

Time--> 12.25 12.30



#82

4-Chlorotoluene

Concen: 1.001 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. 0.00 min

Lab File: VN061003.D

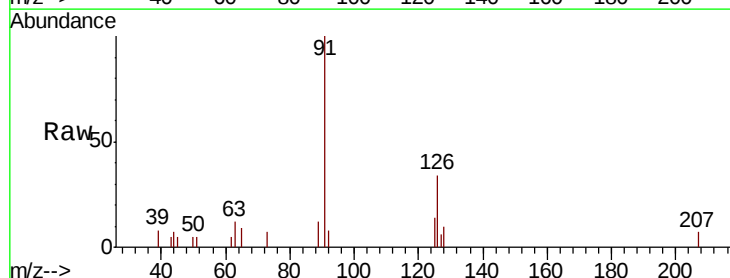
Acq: 16 Apr 2020 11:11

Tgt Ion: 91 Resp: 5813

Ion Ratio Lower Upper

91 100

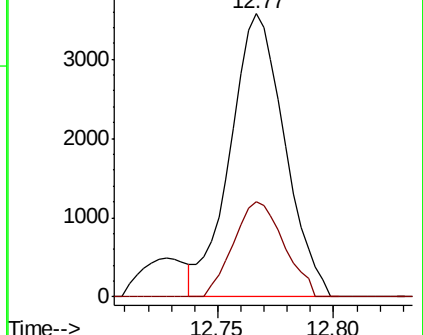
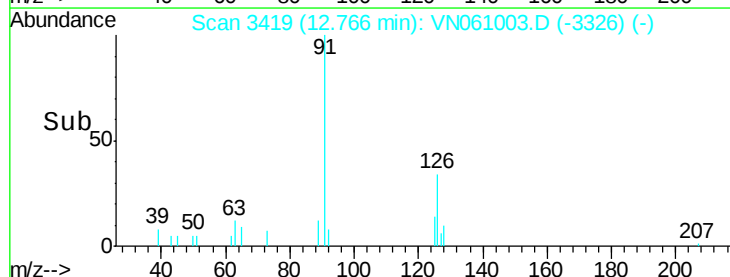
126 31.2 15.9 47.6

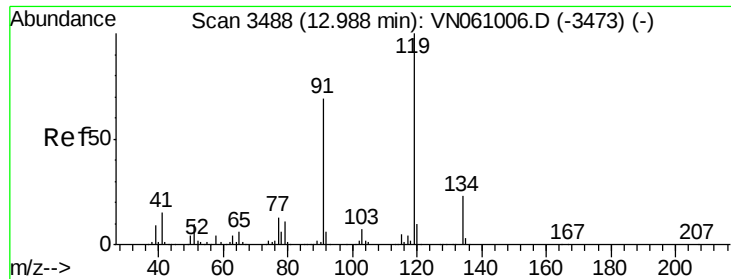


Abundance Ion 91.00 (90.70 to 91.70): VN061003.D (-3326) (-)

Ion 125.90 (125.60 to 126.60): VN061003.D (-3326) (-)

Time--> 12.75 12.80

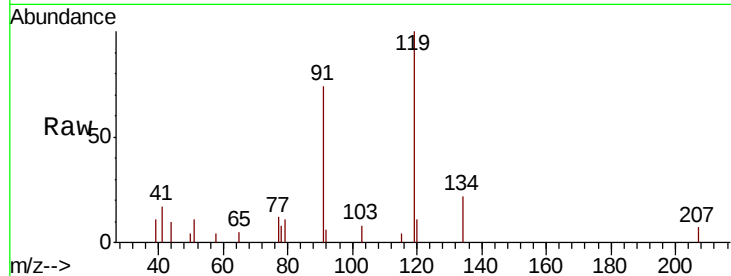




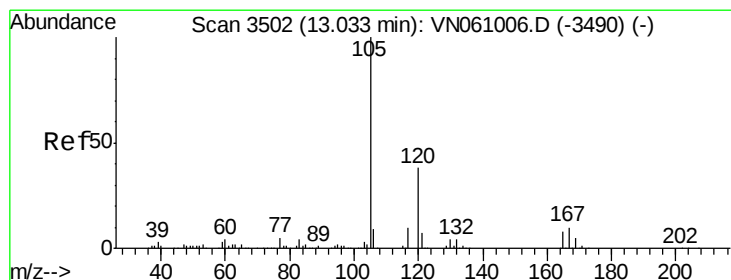
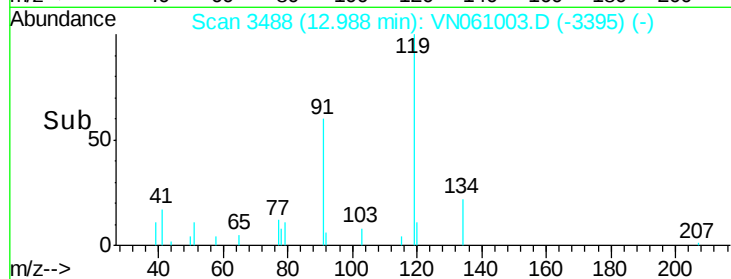
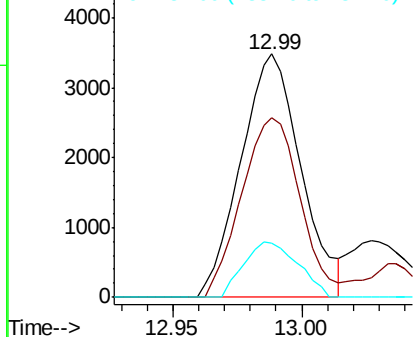
#83
 tert-Butylbenzene
 Concen: 0.997 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN061003.D
 Acq: 16 Apr 2020 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion:119 Resp: 5663
 Ion Ratio Lower Upper
 119 100
 91 71.5 34.1 102.3
 134 20.5 12.4 37.2

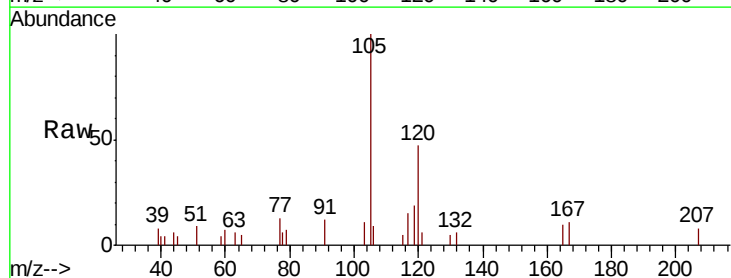


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

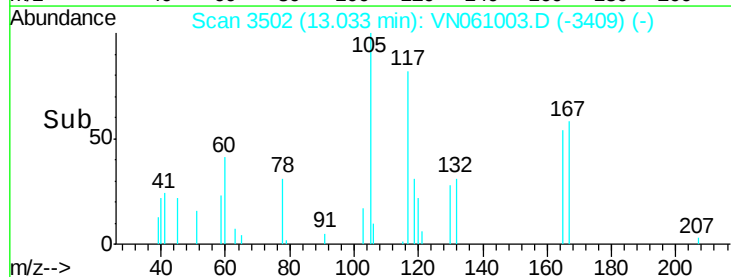
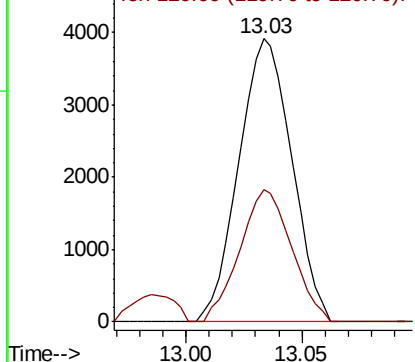


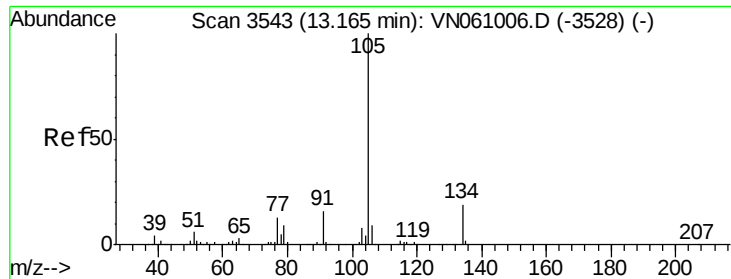
#84
 1,2,4-Trimethylbenzene
 Concen: 0.918 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN061003.D
 Acq: 16 Apr 2020 11:11

Tgt Ion:105 Resp: 6217
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.1 66.5



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

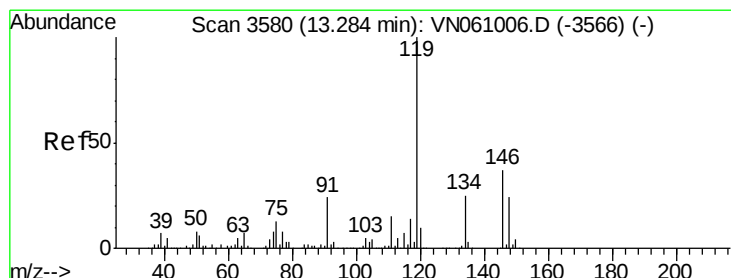
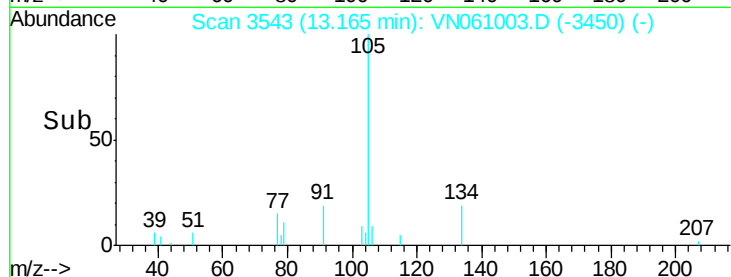
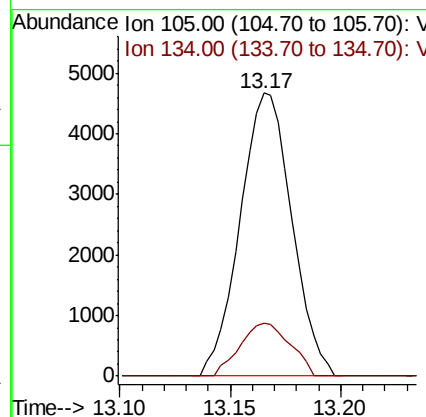
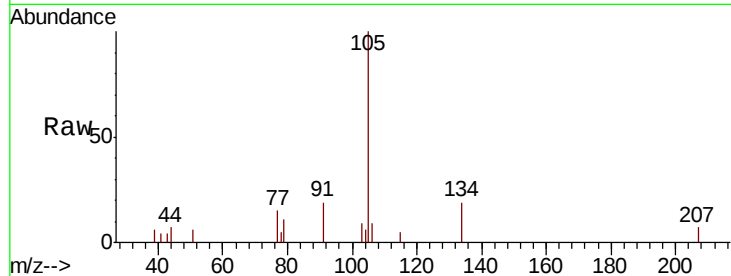




#85
 sec-Butylbenzene
 Concen: 0.990 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VN061003.D
 Acq: 16 Apr 2020 11:11

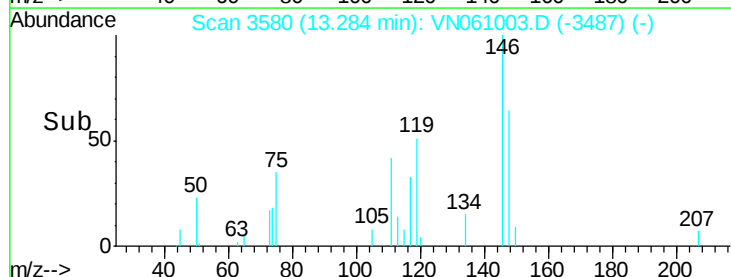
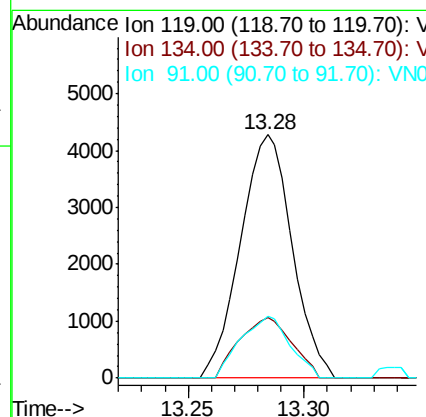
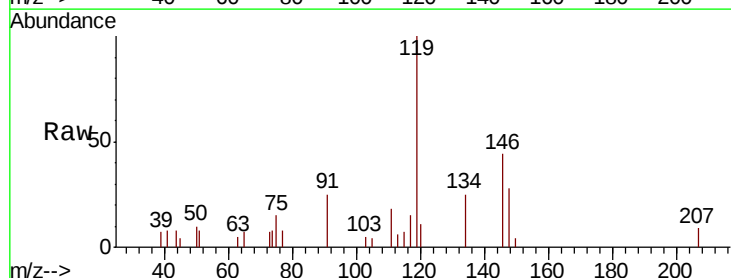
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

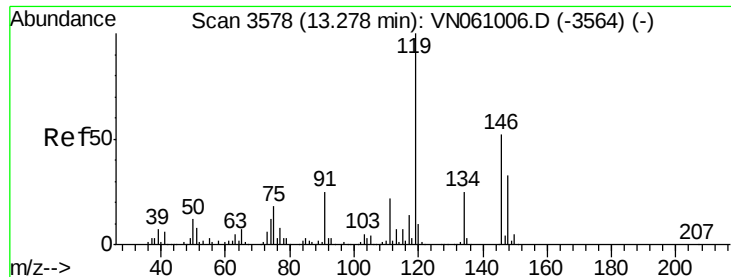
Tot Ion:105 Resp: 7580
 Ion Ratio Lower Upper
 105 100
 134 18.2 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 0.962 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN061003.D
 Acq: 16 Apr 2020 11:11

Tgt Ion:119 Resp: 6619
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.8 38.4
 91 24.2 12.3 36.8

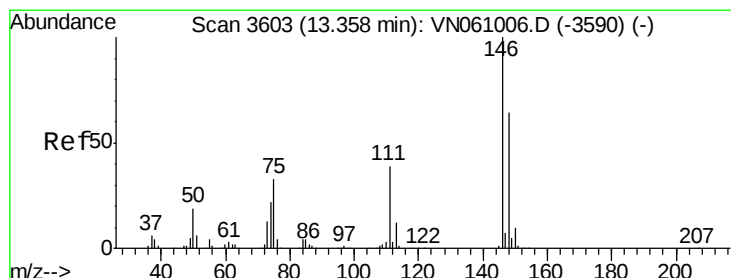
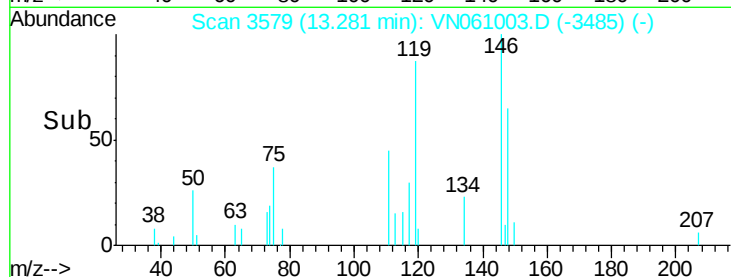
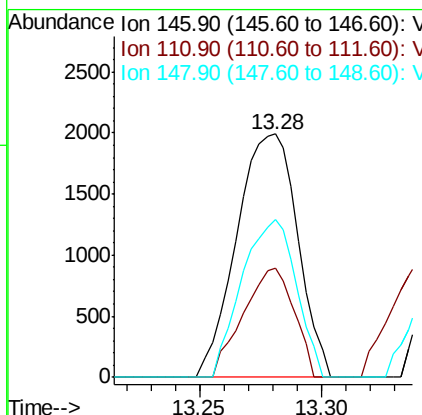
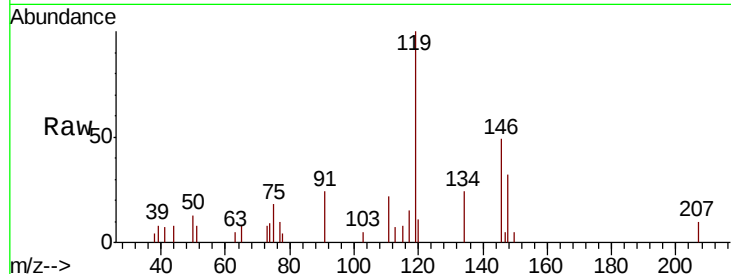




#87
 1,3-Dichlorobenzene
 Concen: 1.008 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN061003.D
 Acq: 16 Apr 2020 11:11

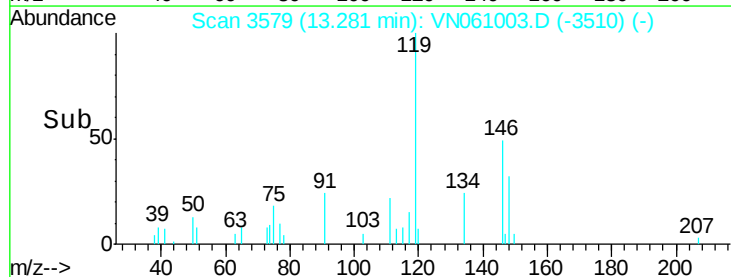
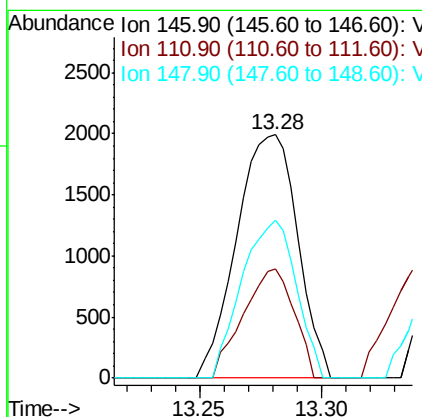
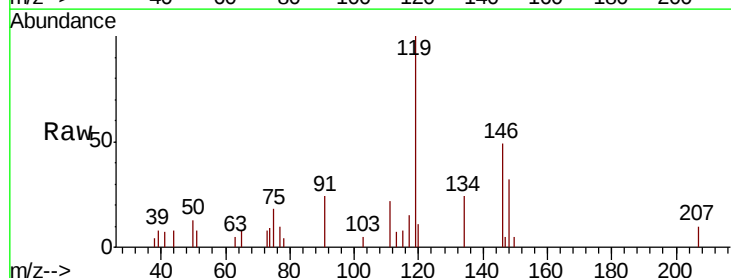
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

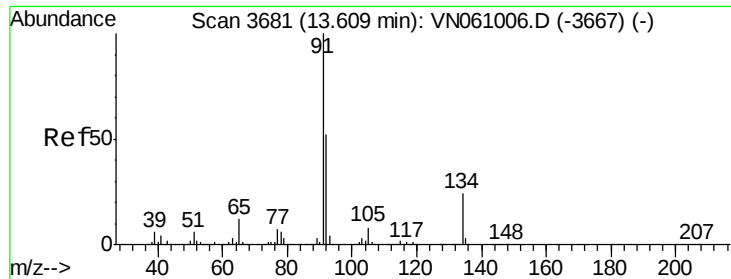
Tot Ion:146 Resp: 3453
 Ion Ratio Lower Upper
 146 100
 111 37.4 20.6 61.8
 148 57.9 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 1.004 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN061003.D
 Acq: 16 Apr 2020 11:11

Tgt Ion:146 Resp: 3453
 Ion Ratio Lower Upper
 146 100
 111 37.4 20.1 60.3
 148 57.9 32.1 96.3

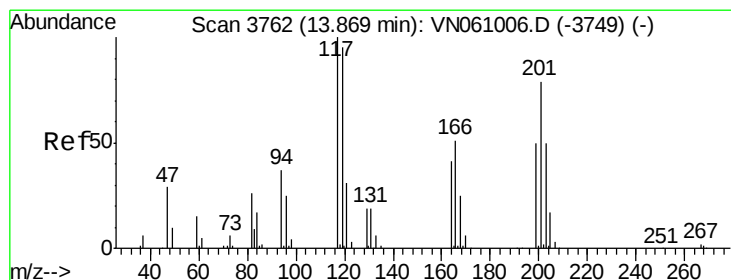
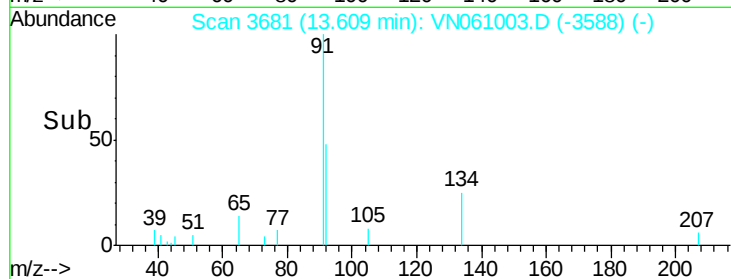
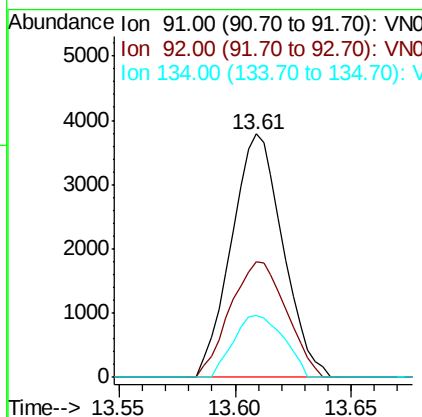
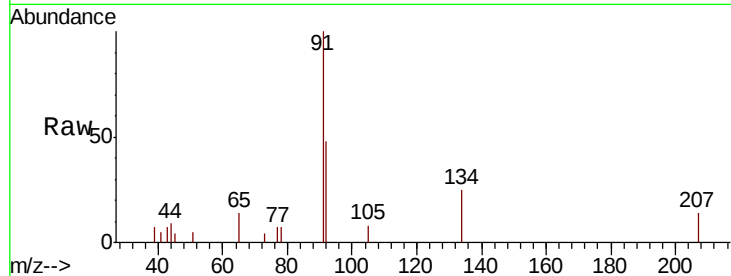




#89
n-Butylbenzene
Concen: 0.933 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN061003.D
Acq: 16 Apr 2020 11:11

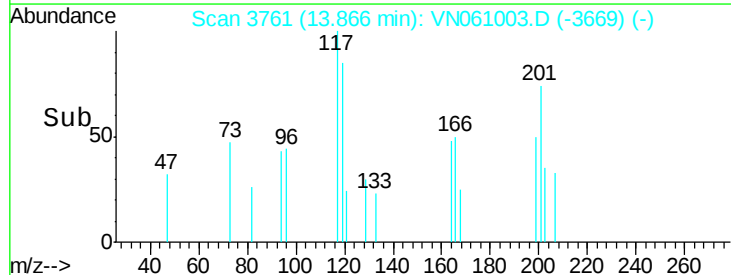
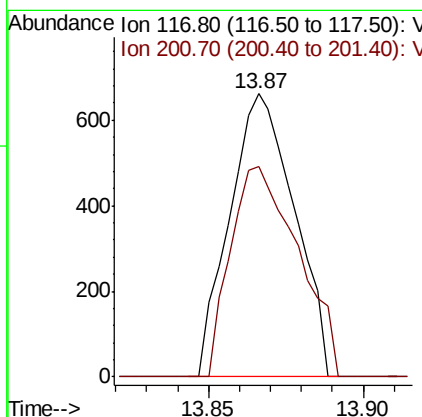
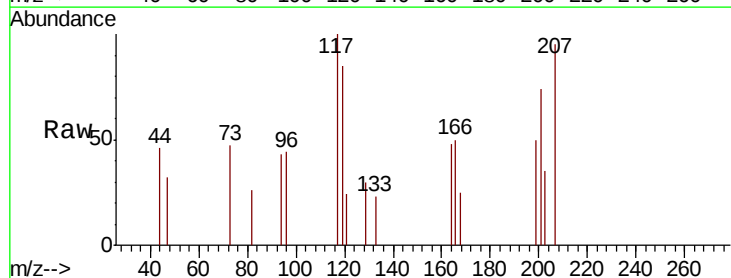
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

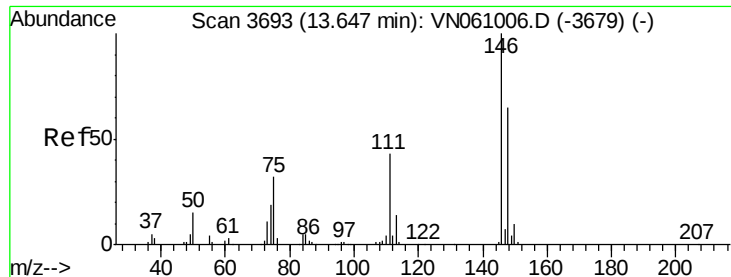
Tot Ion: 91 Resp: 5821
Ion Ratio Lower Upper
91 100
92 51.9 26.1 78.2
134 25.0 12.3 36.8



#90
Hexachloroethane
Concen: 0.960 ug/l
RT: 13.87 min Scan# 3761
Delta R.T. -0.00 min
Lab File: VN061003.D
Acq: 16 Apr 2020 11:11

Tgt Ion: 117 Resp: 963
Ion Ratio Lower Upper
117 100
201 77.8 39.3 117.9





#91

1,2-Dichlorobenzene

Concen: 1.018 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. 0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

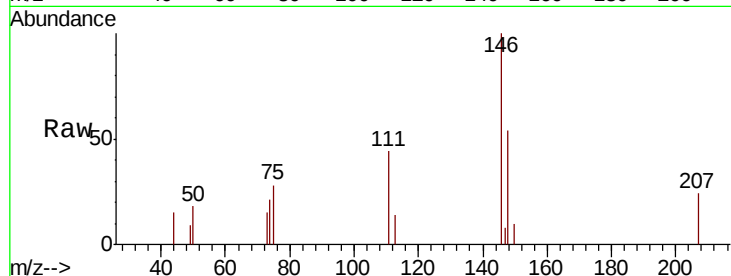
Tot Ion:146 Resp: 3327

Ion Ratio Lower Upper

146 100

111 40.1 21.3 64.0

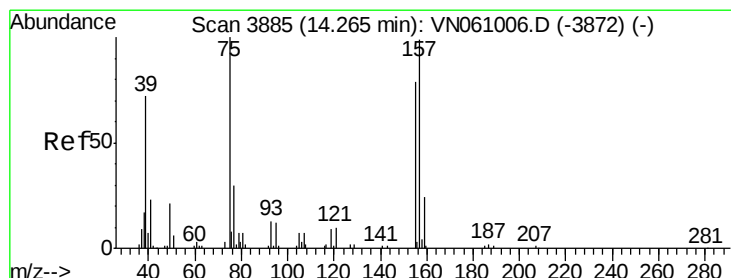
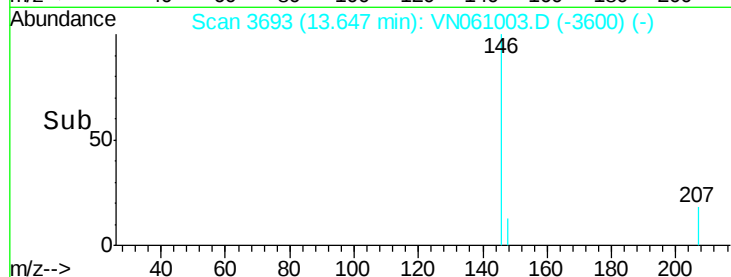
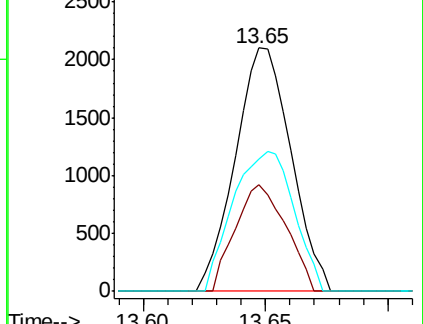
148 62.8 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.672 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

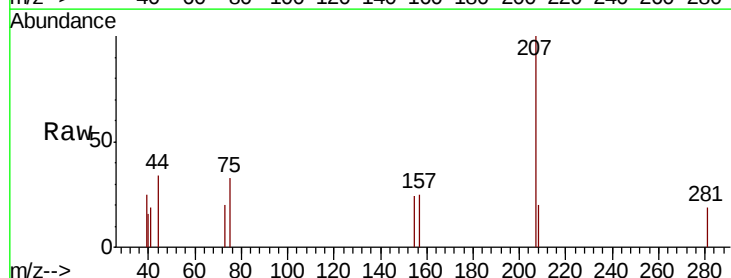
Tgt Ion: 75 Resp: 369

Ion Ratio Lower Upper

75 100

155 61.5 39.5 118.5

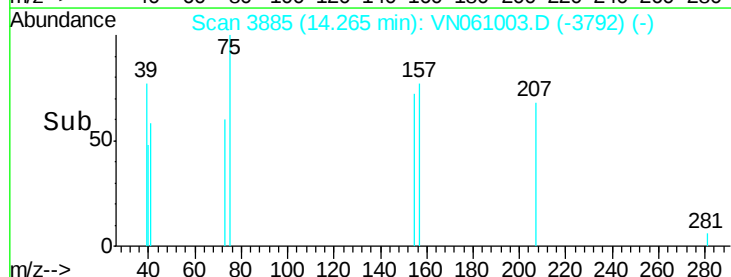
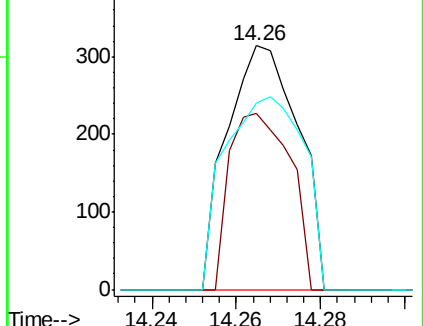
157 87.3 50.1 150.4



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

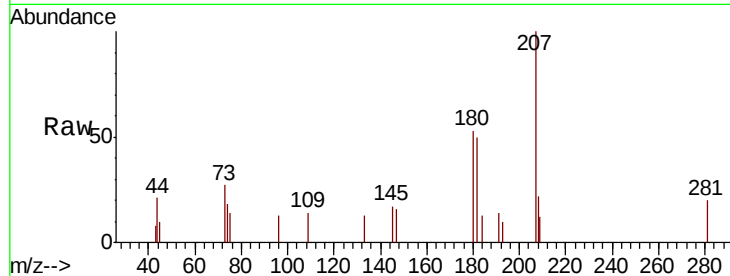




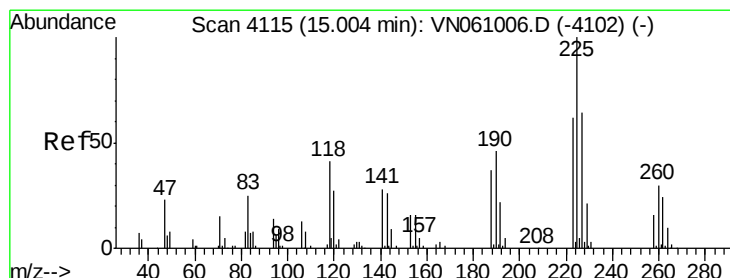
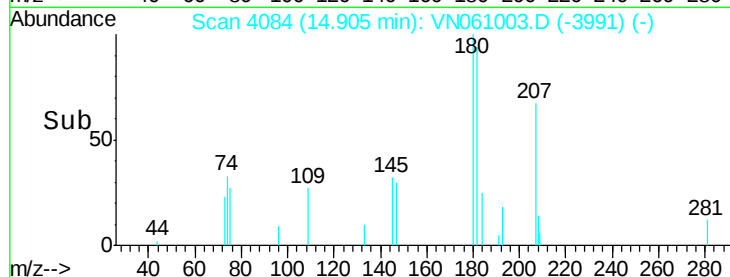
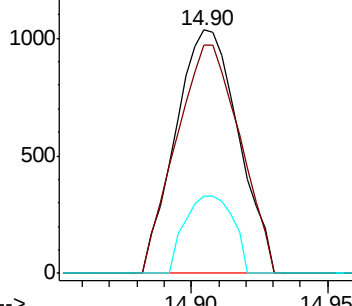
#93
 1,2,4-Trichlorobenzene
 Concen: 0.824 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN061003.D
 Acq: 16 Apr 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:180 Resp: 1653
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.8 143.3
 145 24.4 15.3 45.8

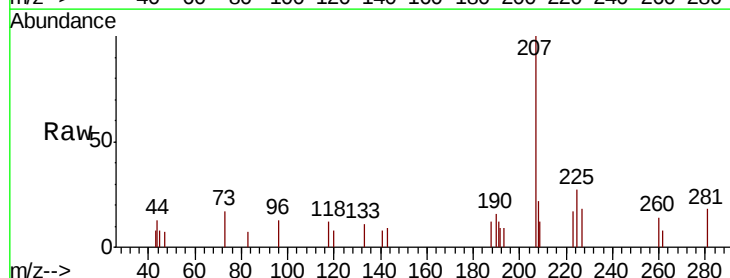


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

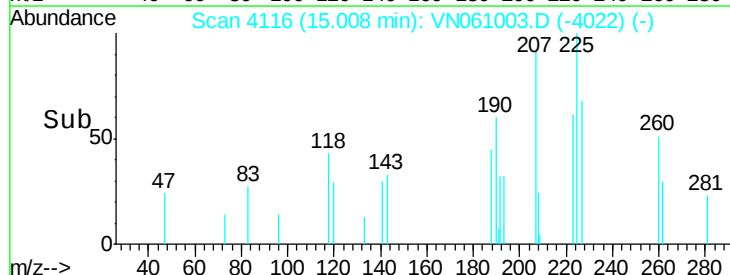
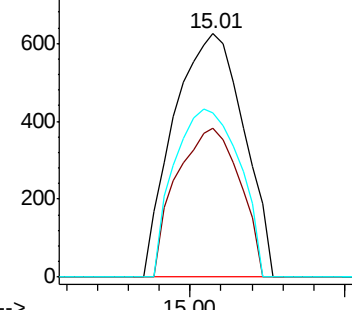


#94
 Hexachlorobutadiene
 Concen: 0.994 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN061003.D
 Acq: 16 Apr 2020 11:11

Tgt Ion:225 Resp: 985
 Ion Ratio Lower Upper
 225 100
 223 55.1 31.3 93.8
 227 64.6 31.9 95.5



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





#95

Naphthalene

Concen: 0.764 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

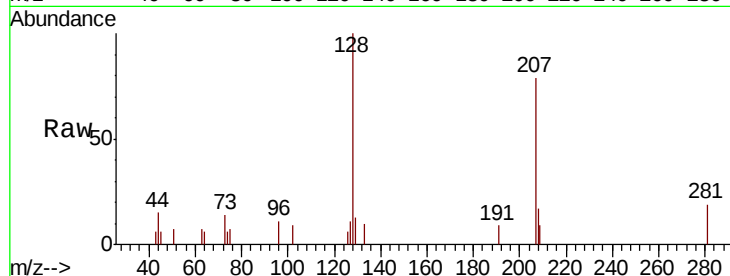
Tot Ion:128 Resp: 4582

Ion Ratio Lower Upper

128 100

127 9.3 10.2 15.4#

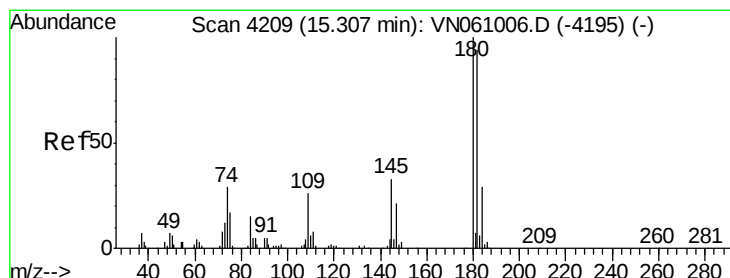
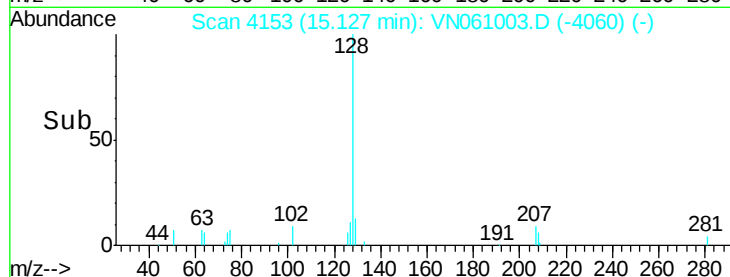
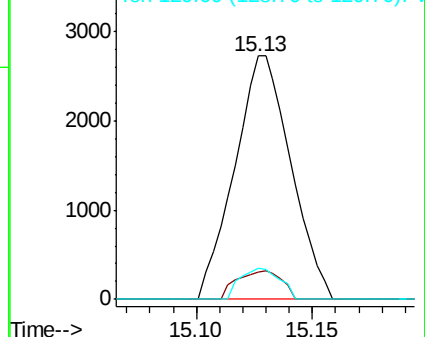
129 8.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.786 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN061003.D

Acq: 16 Apr 2020 11:11

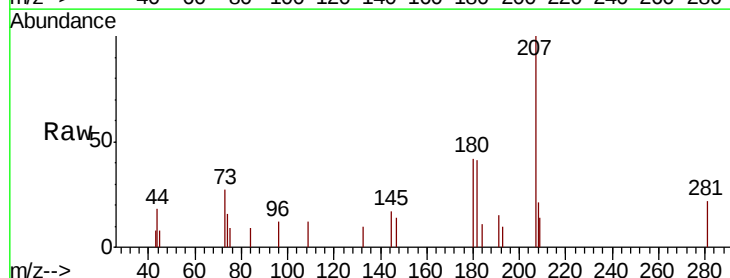
Tgt Ion:180 Resp: 1553

Ion Ratio Lower Upper

180 100

182 105.5 47.6 142.8

145 31.8 16.4 49.2



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

