

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060220\
 Data File : VV016423.D
 Acq On : 02 Jun 2020 11:14
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

Quant Time: Jun 02 18:21:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 02 16:49:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	86032	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	81823	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	40761	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30518	4.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.00%
7) Chloroethane-d5	1.58	69	24412	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.20%
11) 1,1-Dichloroethene-d2	2.13	63	57723	4.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.60%
20) 2-Butanone-d5	3.94	46	84548	52.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.06%
24) Chloroform-d	4.37	84	55696	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	5.06	65	32614	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.07	84	113729	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.09	67	35484	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.34	98	102222	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
45) trans-1,3-Dichloropropene-	7.64	79	12876	4.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.40%
48) 2-Hexanone-d5	8.11	63	64238	53.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.64%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	25613	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	34443	4.55	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	36322	5.18 ug/L	97
3) Chloromethane	1.25	50	38296	4.46 ug/L	97
5) Vinyl chloride	1.32	62	38025	4.95 ug/L	99
6) Bromomethane	1.53	94	16632	3.86 ug/L	99
8) Chloroethane	1.60	64	22675	4.90 ug/L	97
9) Trichlorofluoromethane	1.77	101	52997	5.10 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	29069	4.99 ug/L	97
12) 1,1-Dichloroethene	2.14	96	27153	4.90 ug/L	98
13) Acetone	2.22	43	47211	43.19 ug/L	100
14) Carbon disulfide	2.31	76	79881	4.74 ug/L	97
15) Methyl Acetate	2.46	43	11759	4.29 ug/L	99
16) Methylene chloride	2.52	84	29029	4.90 ug/L	99
17) Methyl tert-butyl Ether	2.79	73	67549	5.21 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	29337	4.99 ug/L	99
19) 1,1-Dichloroethane	3.21	63	59651	5.15 ug/L	99
21) 2-Butanone	4.02	43	84926	52.69 ug/L	94
22) cis-1,2-Dichloroethene	3.94	96	33389	5.15 ug/L	97

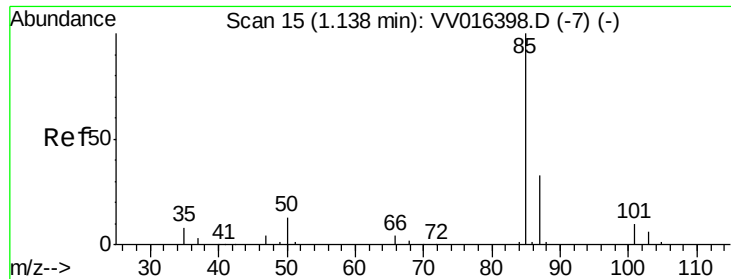
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060220\
 Data File : VV016423.D
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Instrument :
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 02 16:49:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	14270	5.64	ug/L	90
25) Chloroform	4.40	83	67606	5.82	ug/L	95
27) 1,2-Dichloroethane	5.15	62	40163	5.24	ug/L	97
29) 1,1,1-Trichloroethane	4.63	97	52819	5.48	ug/L	99
30) Cyclohexane	4.70	56	55495	5.34	ug/L	98
31) Carbon tetrachloride	4.85	117	44433	5.35	ug/L	99
33) Benzene	5.12	78	130827	5.40	ug/L	100
34) Trichloroethene	5.94	95	33849	5.33	ug/L	94
35) Methylcyclohexane	6.15	83	54306	5.31	ug/L	99
37) 1,2-Dichloropropane	6.20	63	33230	5.42	ug/L	99
38) Bromodichloromethane	6.53	83	39612	5.38	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	44688	5.52	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	202812	54.82	ug/L	99
42) Toluene	7.41	91	140493	5.46	ug/L	100
43) 1,3,5-Trimethylbenzene	10.56	105	124918	5.47	ug/L	98
44) 1,2,4-Trimethylbenzene	10.94	105	126255	5.43	ug/L	99
46) trans-1,3-Dichloropropene	7.67	75	36379	5.44	ug/L	99
47) 1,1,2-Trichloroethane	7.86	97	21390	5.46	ug/L	99
49) Tetrachloroethene	8.00	164	24867	5.34	ug/L	97
50) 2-Hexanone	8.16	43	146492	56.77	ug/L	99
51) Dibromochloromethane	8.27	129	22584	5.51	ug/L	95
52) 1,2-Dibromoethane	8.37	107	19874	5.37	ug/L	99
53) Chlorobenzene	8.90	112	87644	5.42	ug/L	98
54) Ethylbenzene	9.03	91	155113	5.46	ug/L	100
55) m,p-xylene	9.16	106	58382	5.49	ug/L	97
56) o-xylene	9.56	106	55758	5.57	ug/L	95
57) Styrene	9.58	104	95722	5.60	ug/L	99
58) Isopropylbenzene	9.95	105	149417	5.48	ug/L	100
60) 1,1,2,2-Tetrachloroethane	10.26	83	25815	5.22	ug/L	95
62) Bromoform	9.75	173	9093	5.28	ug/L	99
63) 1,3-Dichlorobenzene	11.20	146	67482	5.37	ug/L	99
64) 1,4-Dichlorobenzene	11.30	146	66939	5.16	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	59226	5.07	ug/L	99
67) 1,2-Dibromo-3-chloropropan	12.45	75	3780	4.96	ug/L	98
68) 1,3,5-Trichlorobenzene	12.67	180	45296	5.01	ug/L	99
69) 1,2,4-trichlorobenzene	13.28	180	32651	4.21	ug/L	97
70) Naphthalene	13.53	128	48066	2.59	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	23285	3.36	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.18 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV016423.D

Acq: 02 Jun 2020 11:14

Instrument :

MSVOA_V

ClientSampleId :

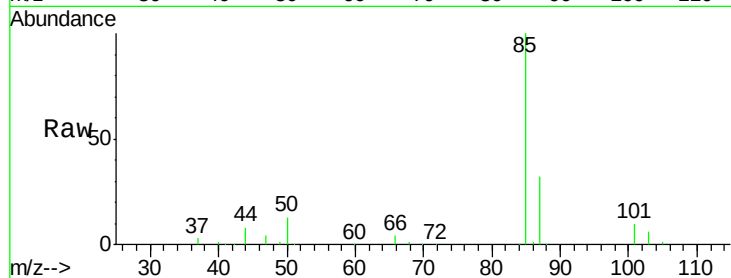
VSTD00549

Tgt Ion: 85 Resp: 36322

Ion Ratio Lower Upper

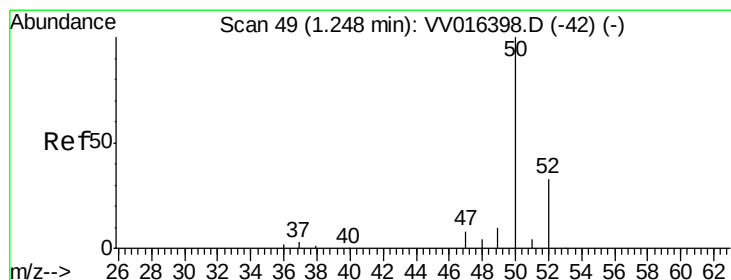
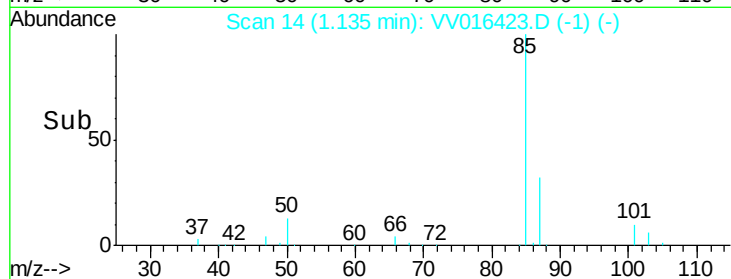
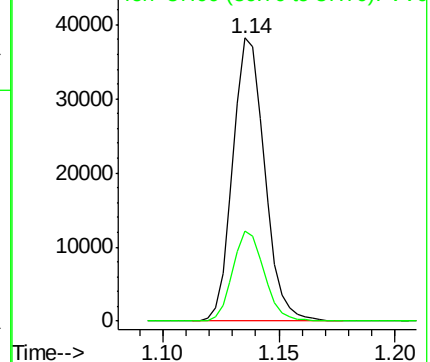
85 100

87 31.4 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.46 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016423.D

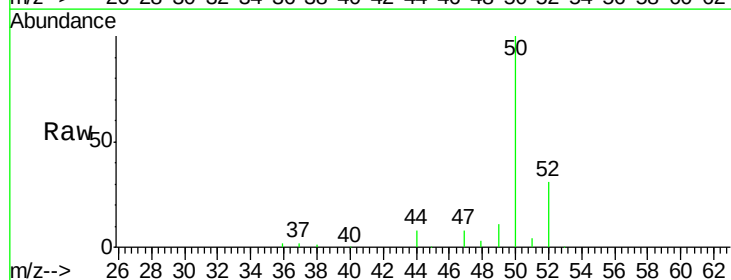
Acq: 02 Jun 2020 11:14

Tgt Ion: 50 Resp: 38296

Ion Ratio Lower Upper

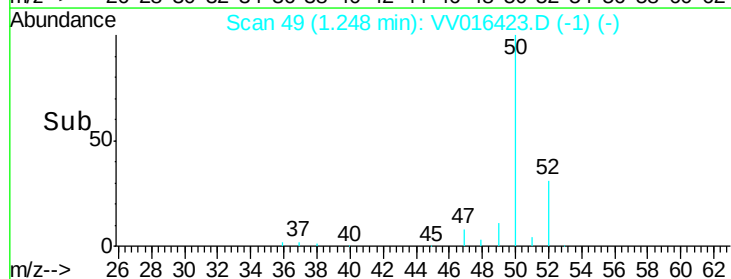
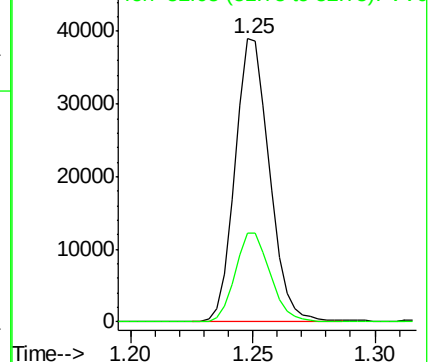
50 100

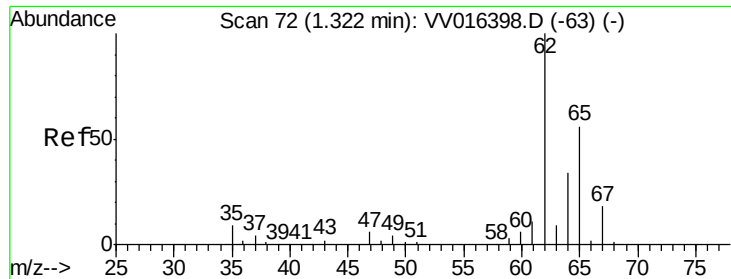
52 31.3 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.95 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016423.D

Acq: 02 Jun 2020 11:14

Instrument :

MSVOA_V

ClientSampleId :

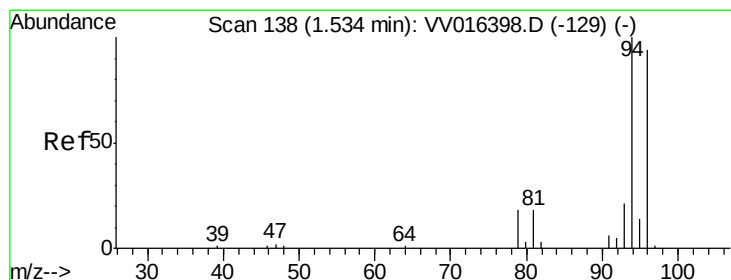
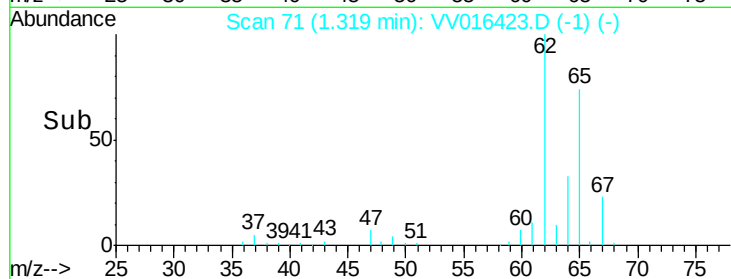
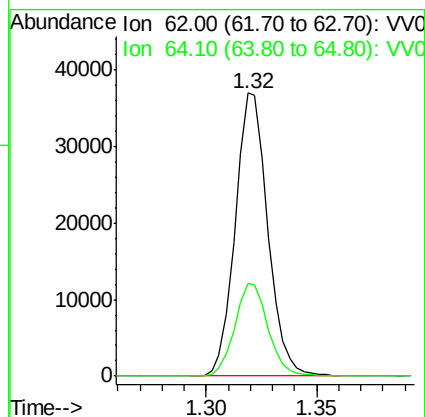
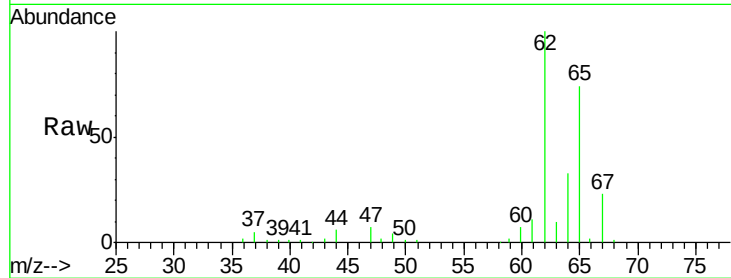
VSTD00549

Tgt Ion: 62 Resp: 38025

Ion Ratio Lower Upper

62 100

64 32.6 23.1 42.9



#6

Bromomethane

Concen: 3.86 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV016423.D

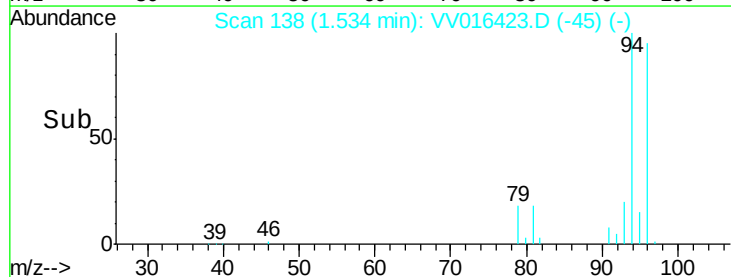
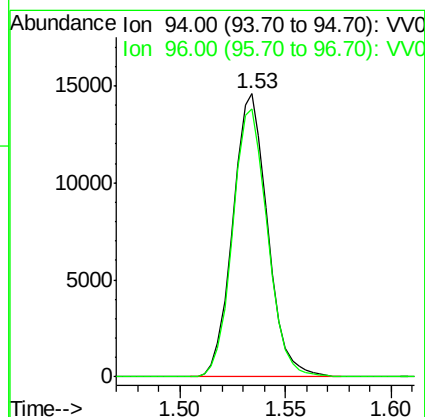
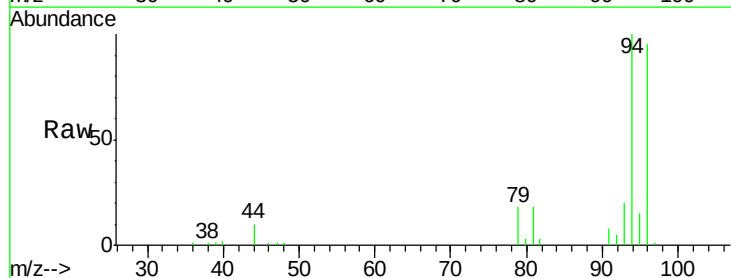
Acq: 02 Jun 2020 11:14

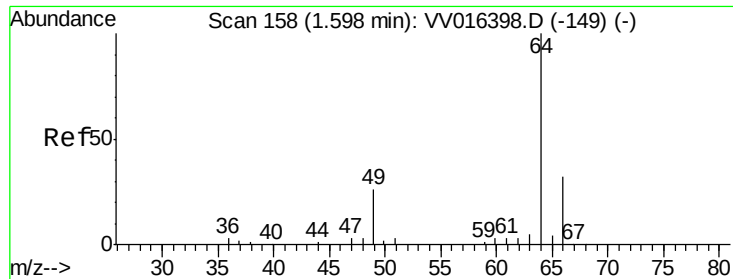
Tgt Ion: 94 Resp: 16632

Ion Ratio Lower Upper

94 100

96 94.6 67.0 124.4





#8

Chloroethane

Concen: 4.90 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV016423.D

Acq: 02 Jun 2020 11:14

Instrument :

MSVOA_V

ClientSampleId :

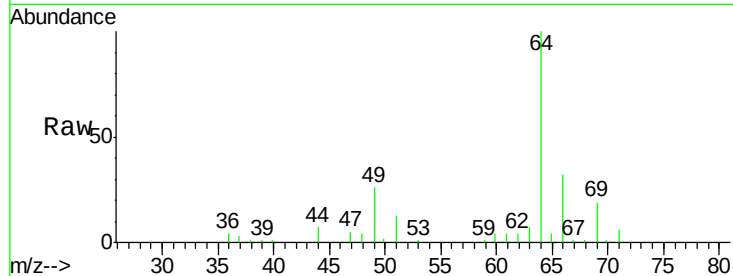
VSTD00549

Tgt Ion: 64 Resp: 22675

Ion Ratio Lower Upper

64 100

66 31.6 23.4 43.6



Abundance Ion 64.10 (63.80 to 64.80): VV016398.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV016398.D (-149) (-)

1.60

20000

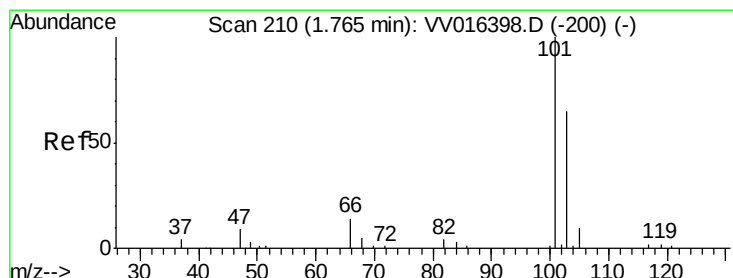
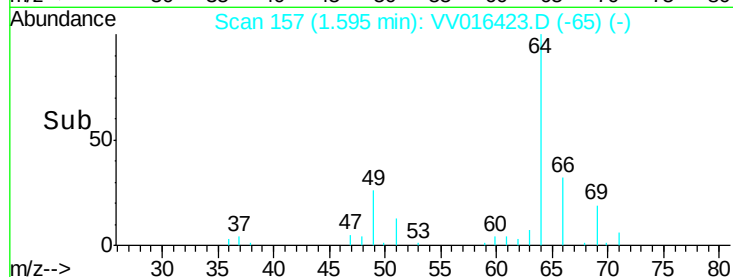
15000

10000

5000

0

Time-->



#9

Trichlorofluoromethane

Concen: 5.10 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV016423.D

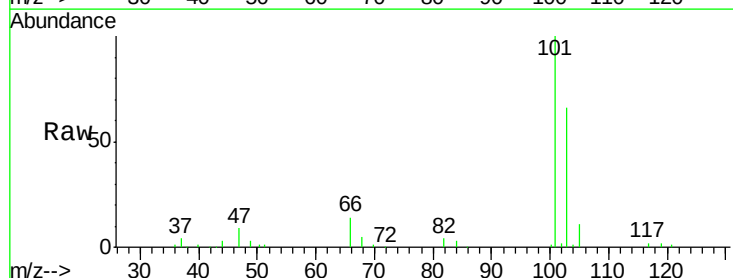
Acq: 02 Jun 2020 11:14

Tgt Ion: 101 Resp: 52997

Ion Ratio Lower Upper

101 100

103 66.1 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VV016398.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV016398.D (-200) (-)

1.77

40000

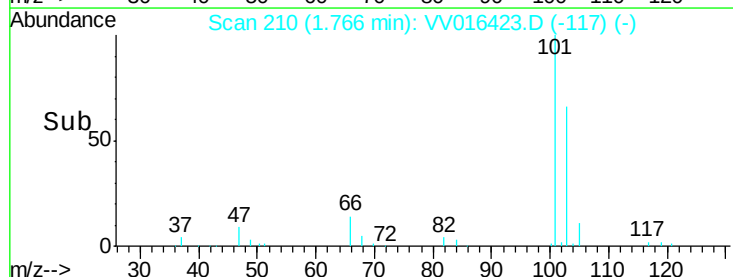
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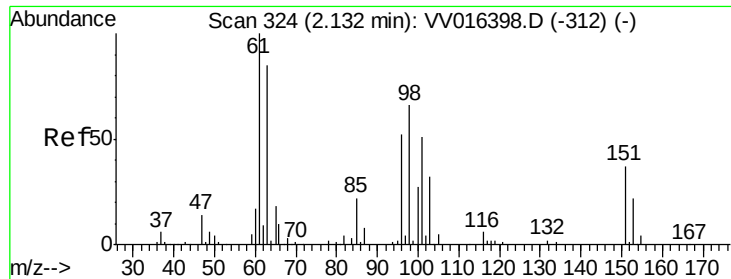
20000

10000

0

Time-->





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.99 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016423.D

Acq: 02 Jun 2020 11:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00549

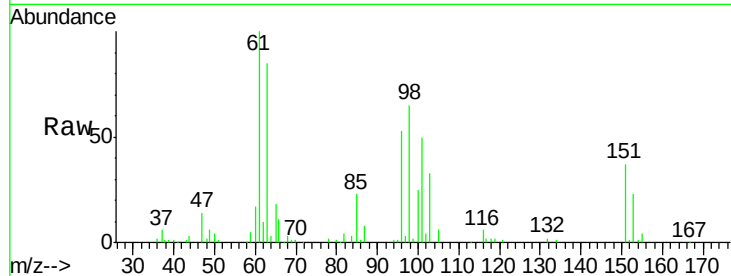
Tgt Ion:101 Resp: 29069

Ion Ratio Lower Upper

101 100

85 45.5 35.7 53.5

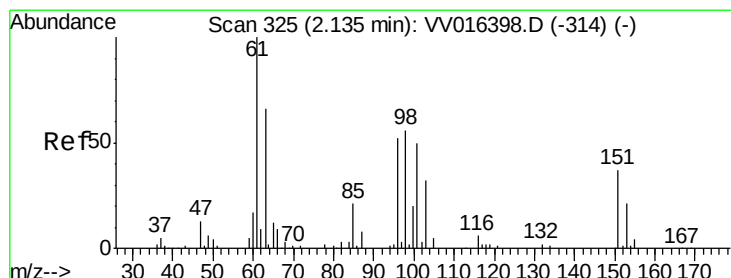
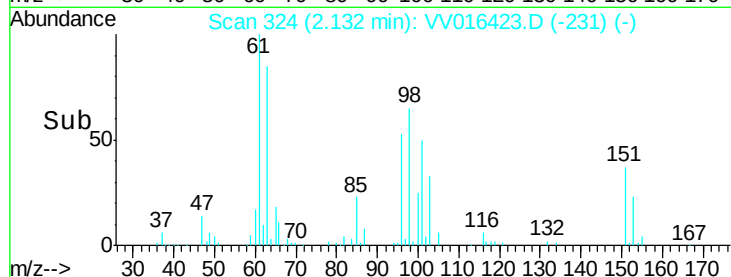
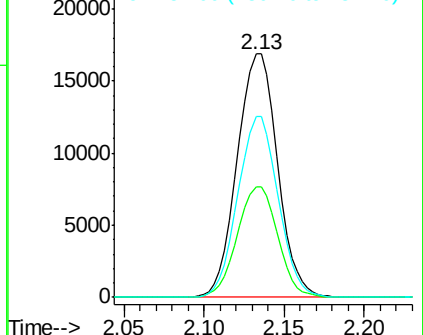
151 74.4 57.2 85.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.90 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016423.D

Acq: 02 Jun 2020 11:14

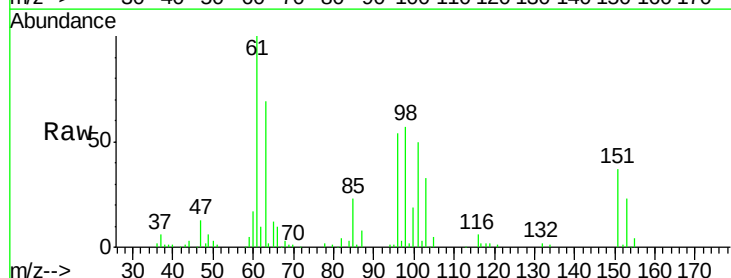
Tgt Ion: 96 Resp: 27153

Ion Ratio Lower Upper

96 100

61 183.9 125.4 233.0

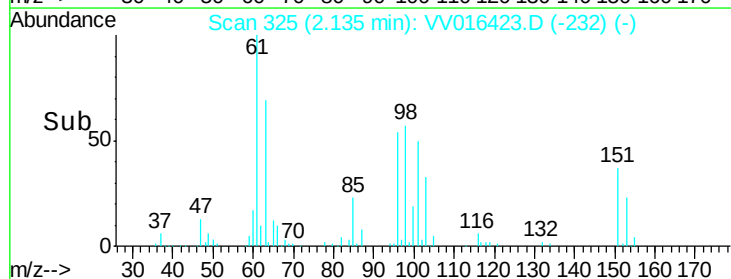
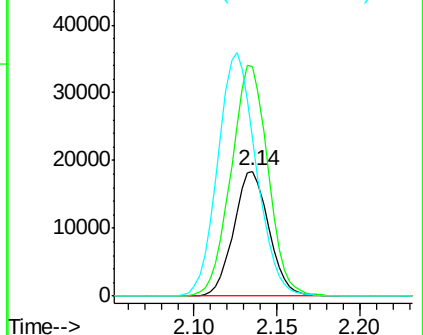
63 126.8 88.2 163.8

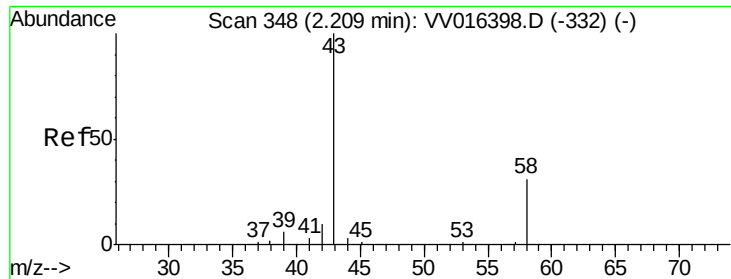


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 43.19 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.01 min

Lab File: VV016423.D

Acq: 02 Jun 2020 11:14

Instrument :

MSVOA_V

ClientSampleId :

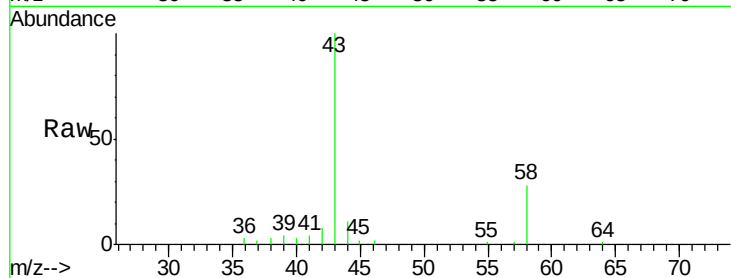
VSTD00549

Tgt Ion: 43 Resp: 47211

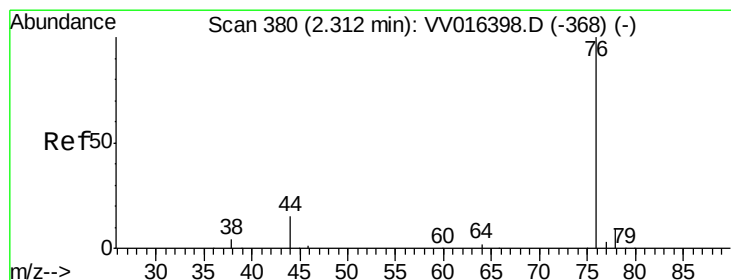
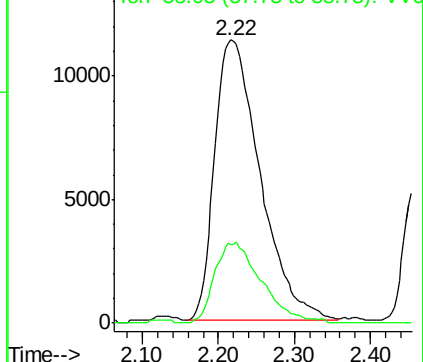
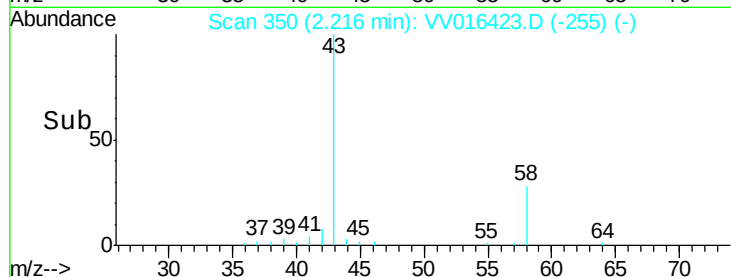
Ion Ratio Lower Upper

43 100

58 29.8 0.0 59.2



Abundance Ion 43.05 (42.75 to 43.75): VV016423.D (-255) (-)



#14

Carbon disulfide

Concen: 4.74 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV016423.D

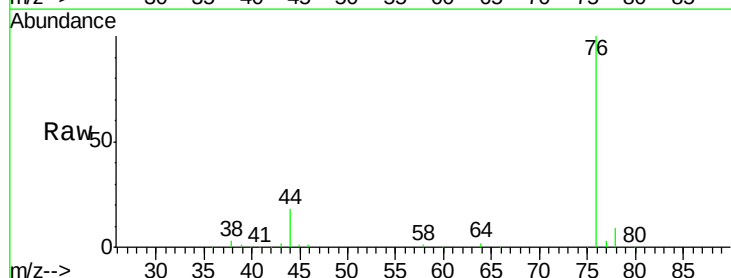
Acq: 02 Jun 2020 11:14

Tgt Ion: 76 Resp: 79881

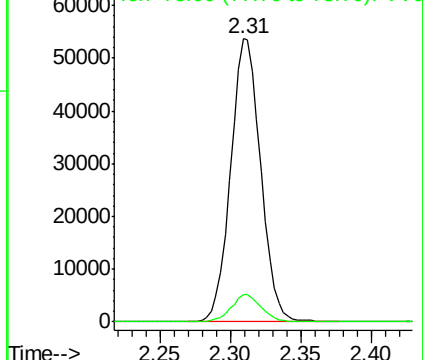
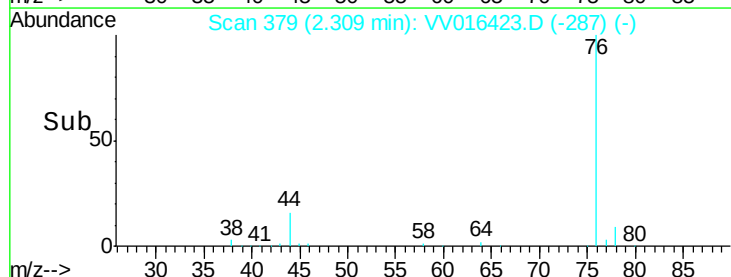
Ion Ratio Lower Upper

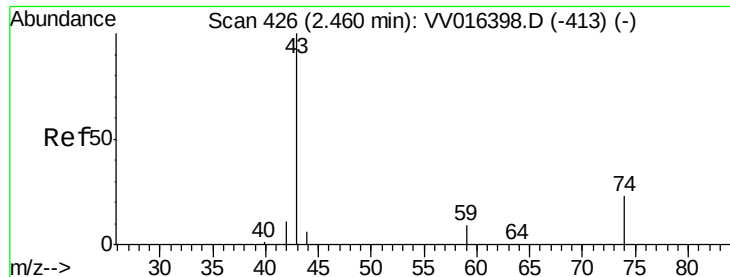
76 100

78 9.5 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VV016423.D (-287) (-)

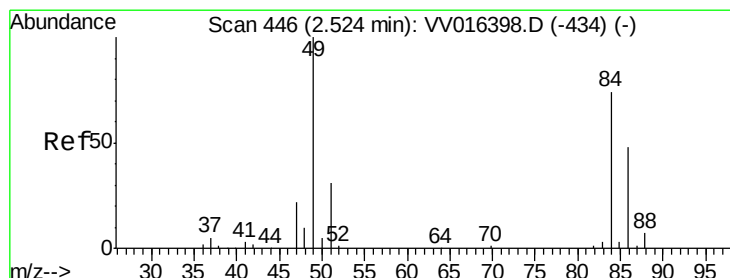
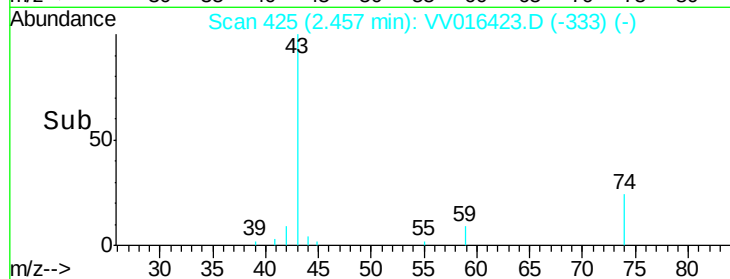
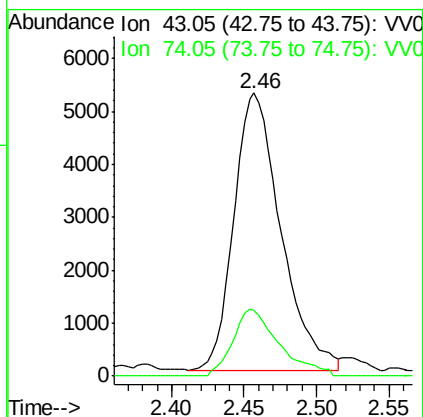
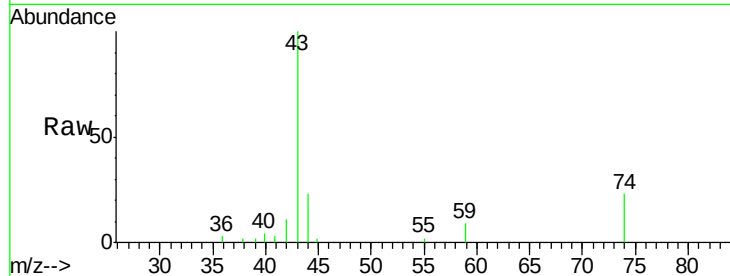




#15
Methyl Acetate
Concen: 4.29 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV016423.D
Acq: 02 Jun 2020 11:14

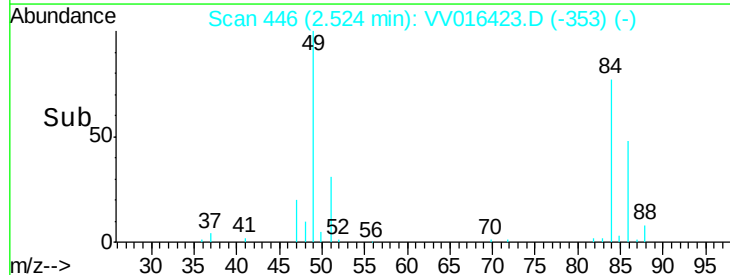
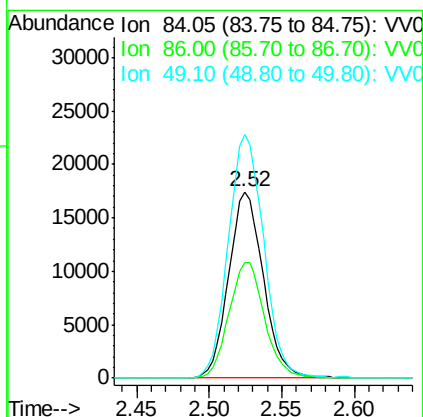
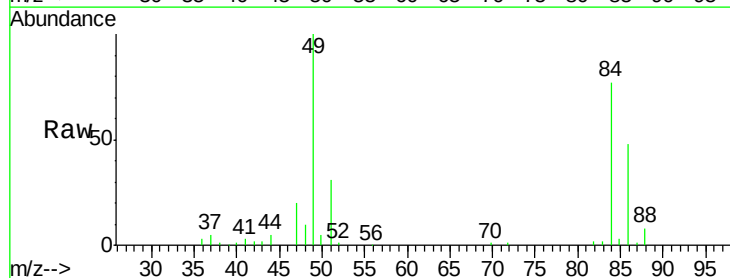
Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

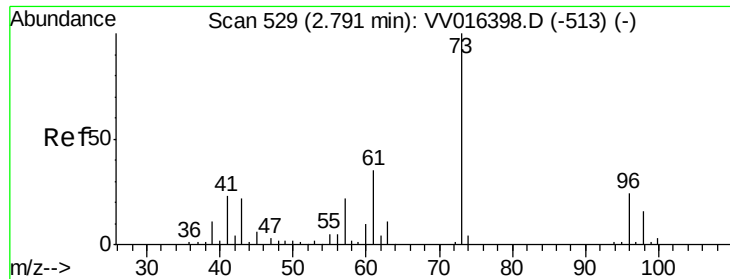
Tgt Ion: 43 Resp: 11759
Ion Ratio Lower Upper
43 100
74 23.7 18.6 28.0



#16
Methylene chloride
Concen: 4.90 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV016423.D
Acq: 02 Jun 2020 11:14

Tgt Ion: 84 Resp: 29029
Ion Ratio Lower Upper
84 100
86 62.2 44.5 82.7
49 130.6 92.3 171.3

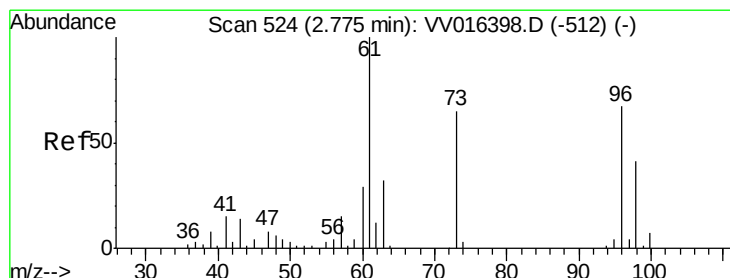
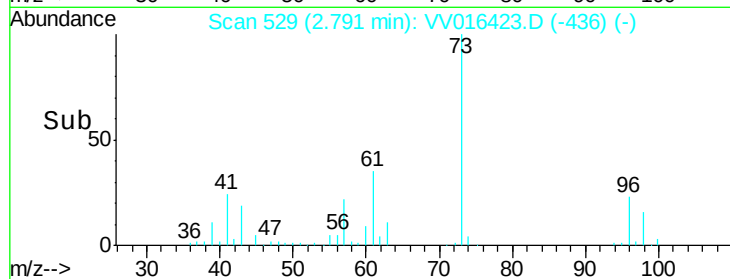
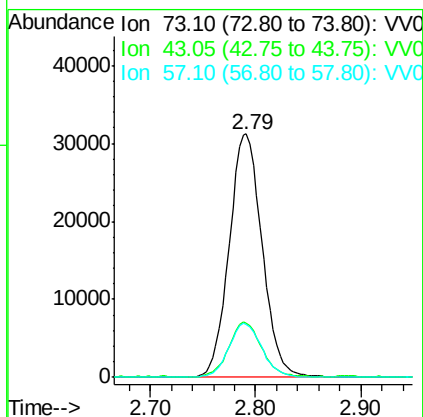
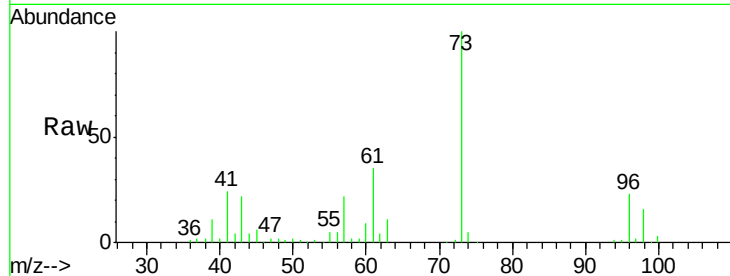




#17
Methyl tert-butyl Ether
Concen: 5.21 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV016423.D
Acq: 02 Jun 2020 11:14

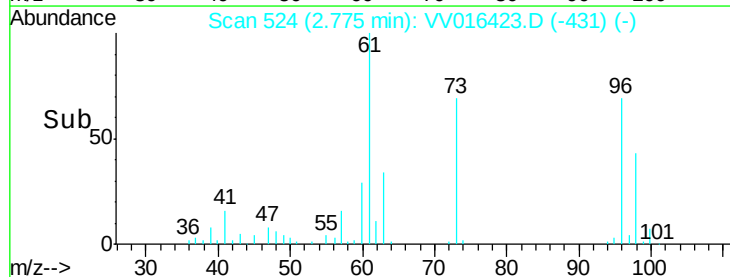
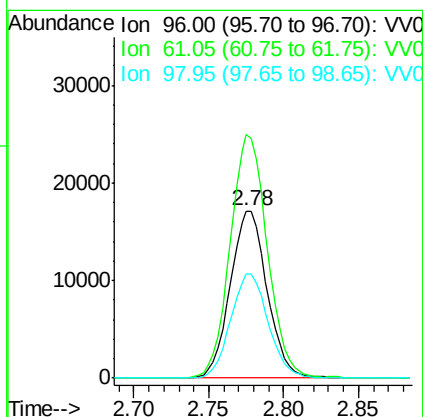
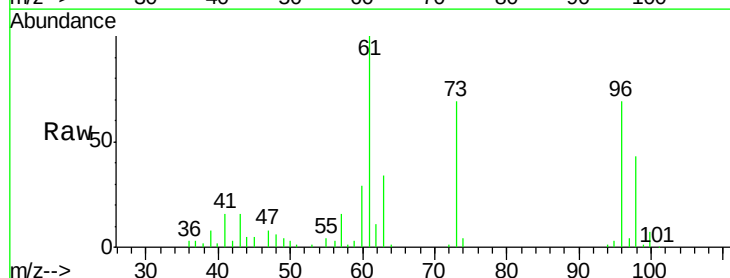
Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

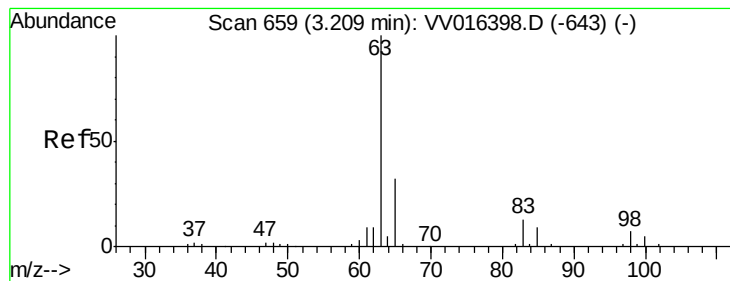
Tgt Ion: 73 Resp: 67549
Ion Ratio Lower Upper
73 100
43 22.9 19.4 29.0
57 22.2 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 4.99 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV016423.D
Acq: 02 Jun 2020 11:14

Tgt Ion: 96 Resp: 29337
Ion Ratio Lower Upper
96 100
61 145.4 103.1 191.5
98 62.3 43.0 79.8





#19

1,1-Dichloroethane

Concen: 5.15 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV016423.D

Acq: 02 Jun 2020 11:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00549

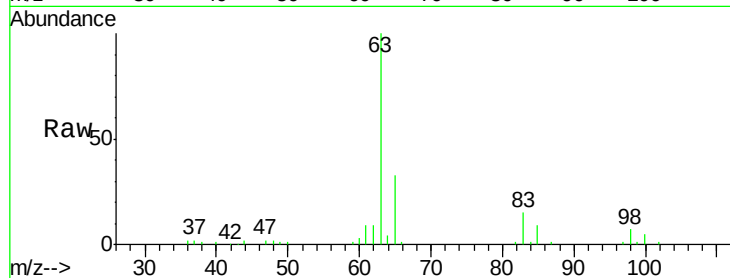
Tgt Ion: 63 Resp: 59651

Ion Ratio Lower Upper

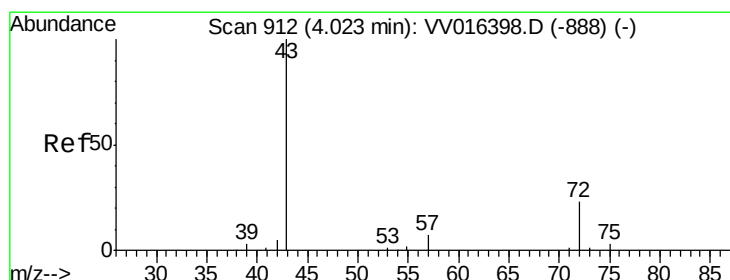
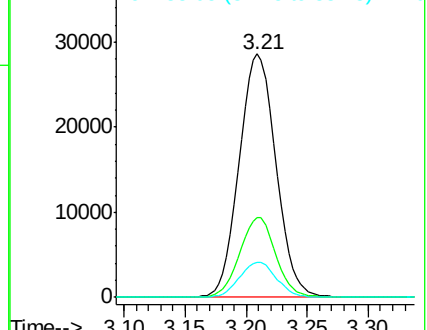
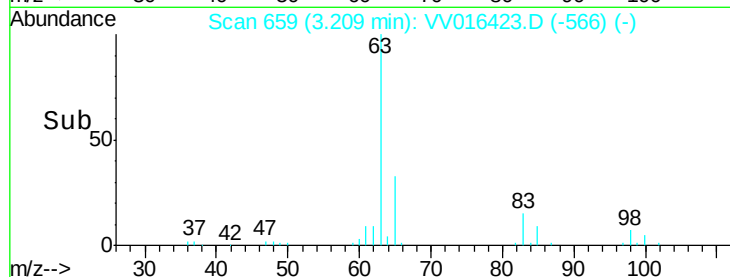
63 100

65 33.0 23.3 43.3

83 14.5 9.9 18.3



Abundance Ion 63.10 (62.80 to 63.80): VV016423.D (-566) (-)



#21

2-Butanone

Concen: 52.69 ug/L

RT: 4.02 min Scan# 912

Delta R.T. 0.00 min

Lab File: VV016423.D

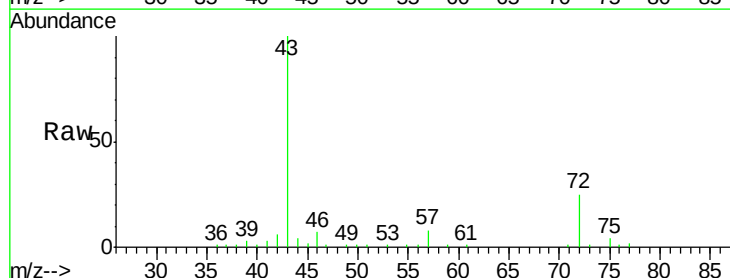
Acq: 02 Jun 2020 11:14

Tgt Ion: 43 Resp: 84926

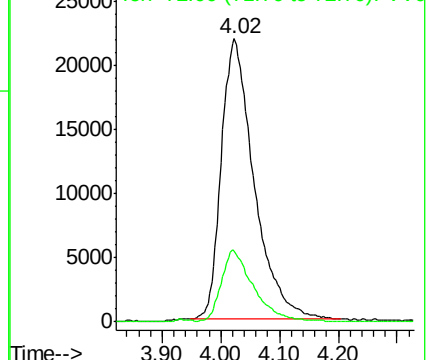
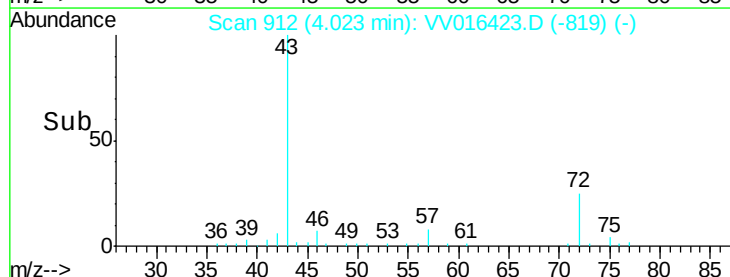
Ion Ratio Lower Upper

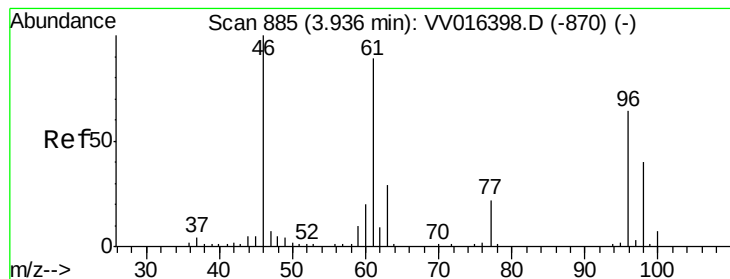
43 100

72 25.1 11.2 33.6



Abundance Ion 43.00 (42.70 to 43.70): VV016423.D (-819) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.15 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV016423.D

Acq: 02 Jun 2020 11:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00549

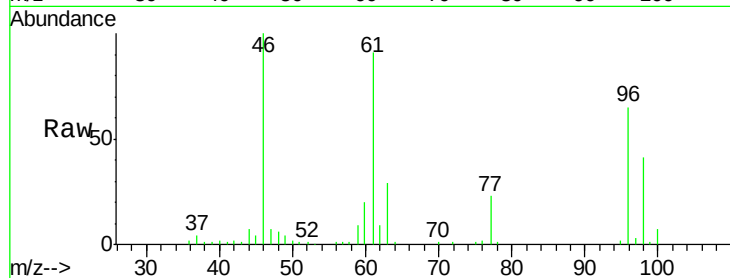
Tgt Ion: 96 Resp: 33389

Ion Ratio Lower Upper

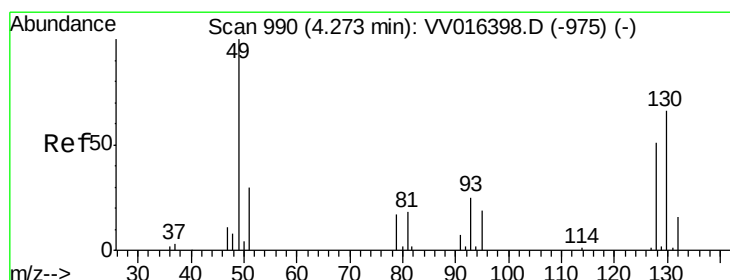
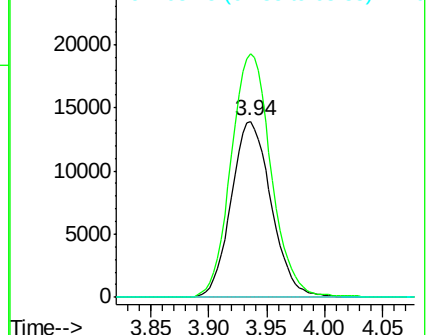
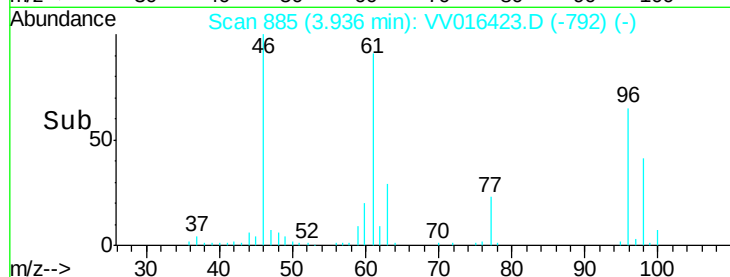
96 100

61 138.5 94.8 176.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV016423.D (-792) (-)



#23

Bromochloromethane

Concen: 5.64 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV016423.D

Acq: 02 Jun 2020 11:14

Tgt Ion: 128 Resp: 14270

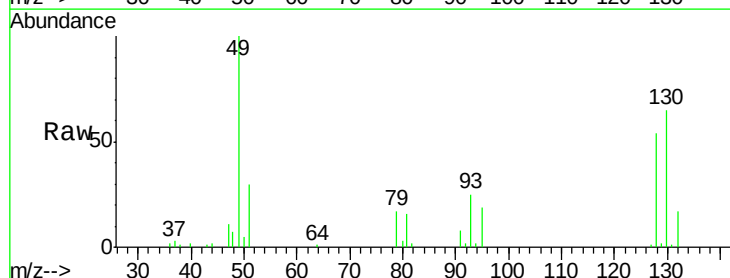
Ion Ratio Lower Upper

128 100

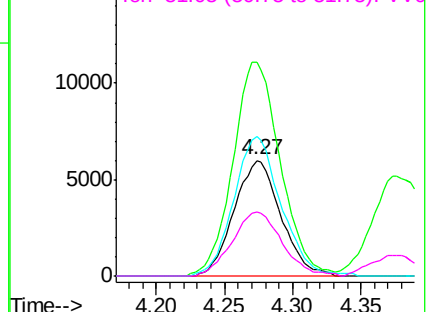
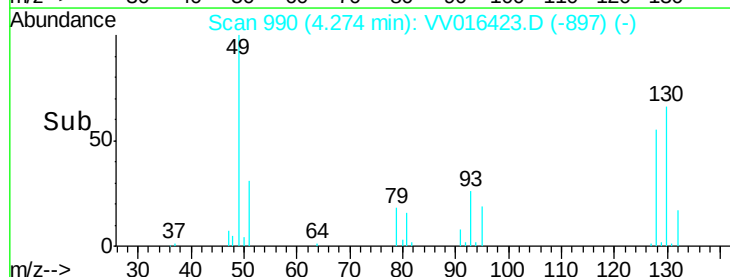
49 184.9 141.5 262.9

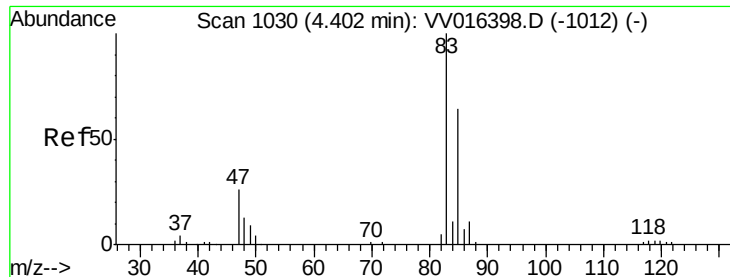
130 120.8 90.4 167.8

51 55.9 53.5 80.3



Abundance Ion 127.90 (127.60 to 128.60): VV016423.D (-897) (-)

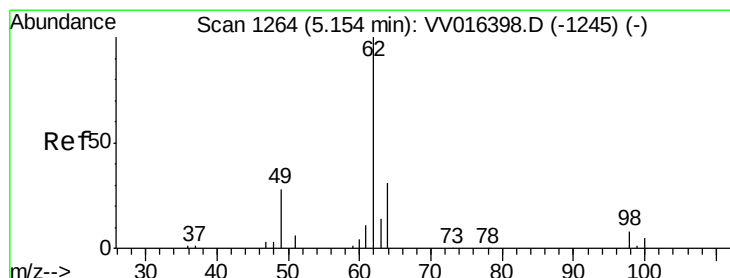
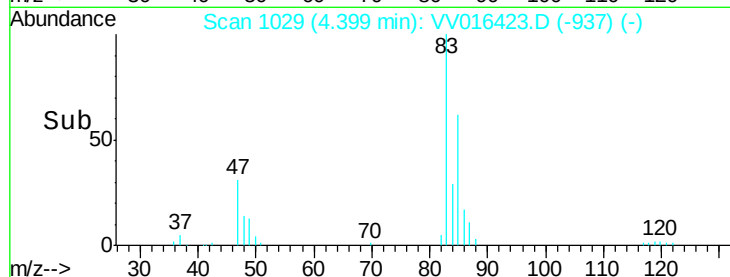
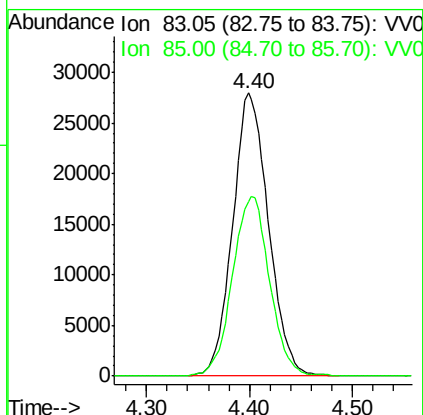
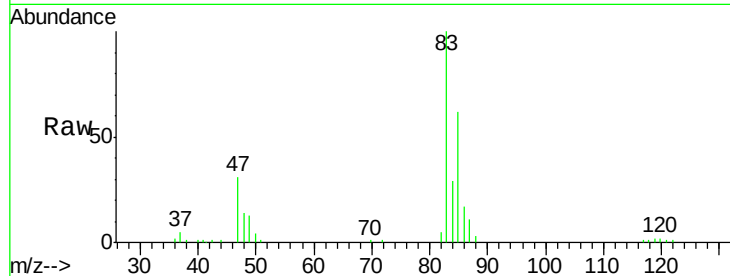




#25
Chloroform
Concen: 5.82 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV016423.D
Acq: 02 Jun 2020 11:14

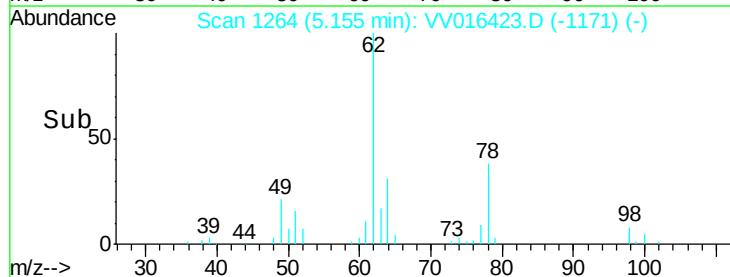
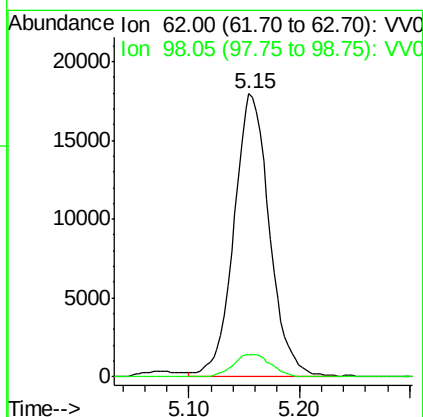
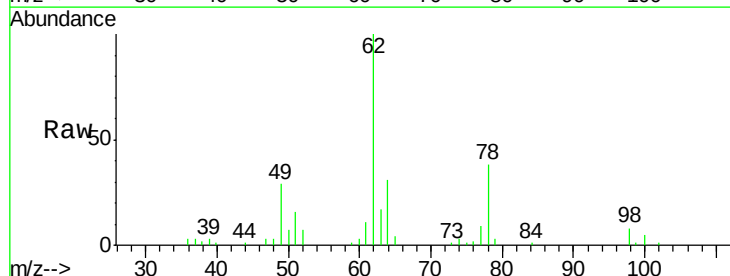
Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

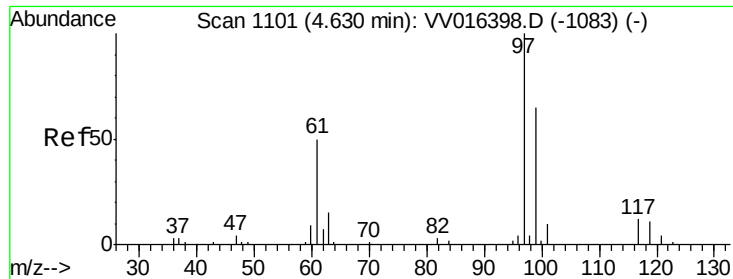
Tgt Ion: 83 Resp: 67606
Ion Ratio Lower Upper
83 100
85 61.7 45.8 85.2



#27
1,2-Dichloroethane
Concen: 5.24 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV016423.D
Acq: 02 Jun 2020 11:14

Tgt Ion: 62 Resp: 40163
Ion Ratio Lower Upper
62 100
98 7.8 7.0 10.4

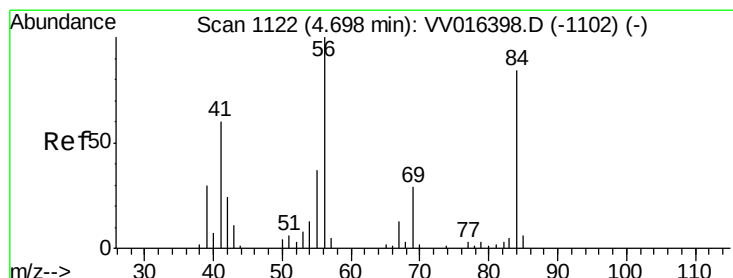
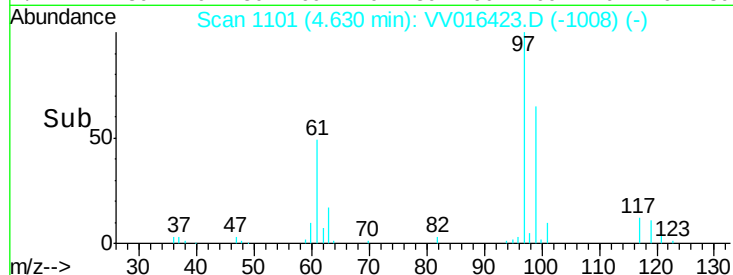
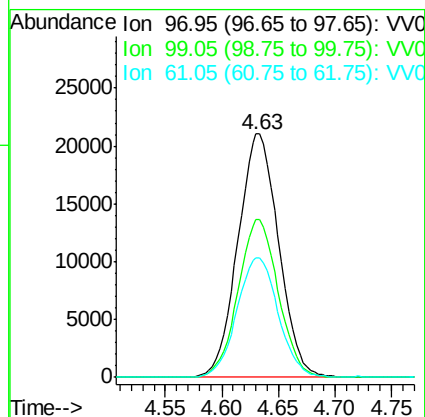
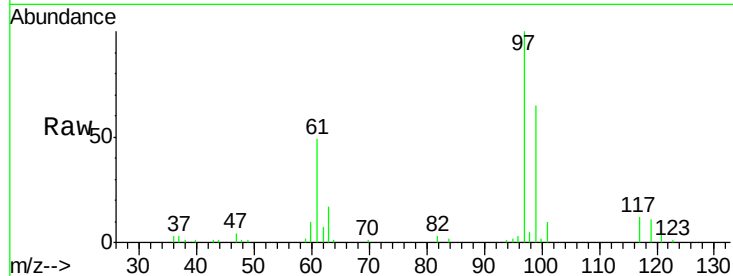




#29
 1,1,1-Trichloroethane
 Concen: 5.48 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. 0.00 min
 Lab File: VV016423.D
 Acq: 02 Jun 2020 11:14

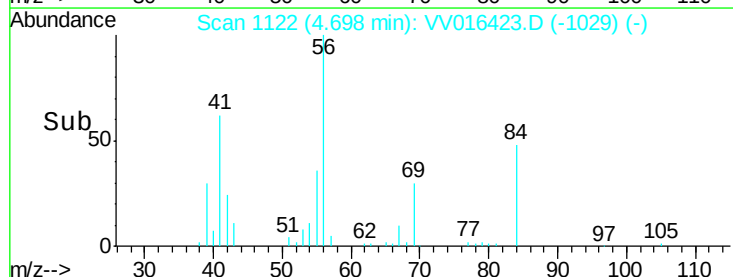
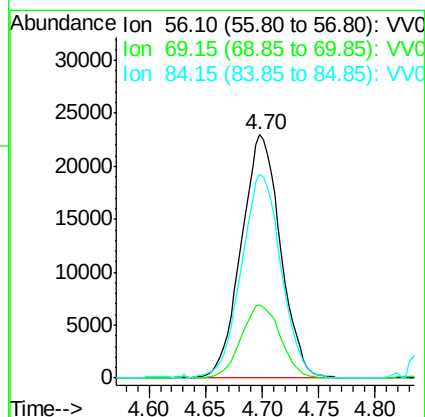
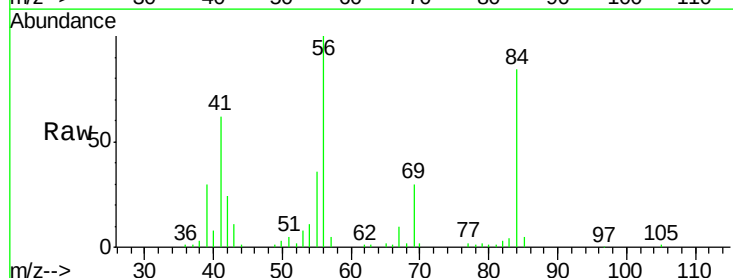
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

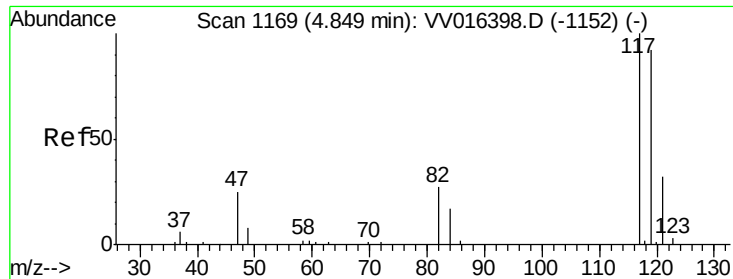
Tgt Ion: 97 Resp: 52819
 Ion Ratio Lower Upper
 97 100
 99 63.7 52.0 78.0
 61 49.7 39.8 59.6



#30
 Cyclohexane
 Concen: 5.34 ug/L
 RT: 4.70 min Scan# 1122
 Delta R.T. 0.00 min
 Lab File: VV016423.D
 Acq: 02 Jun 2020 11:14

Tgt Ion: 56 Resp: 55495
 Ion Ratio Lower Upper
 56 100
 69 29.9 23.5 35.3
 84 84.7 65.8 98.8





#31

Carbon tetrachloride

Concen: 5.35 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. 0.00 min

Lab File: VV016423.D

Acq: 02 Jun 2020 11:14

Instrument :

MSVOA_V

ClientSampleId :

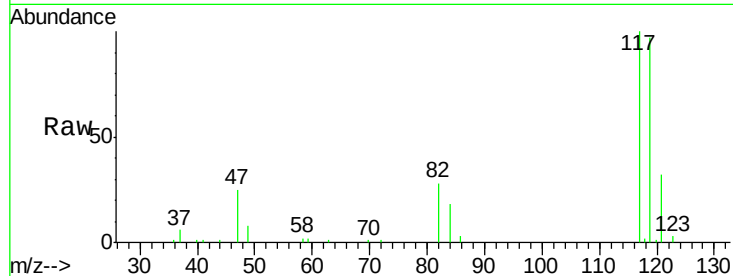
VSTD00549

Tgt Ion:117 Resp: 44433

Ion Ratio Lower Upper

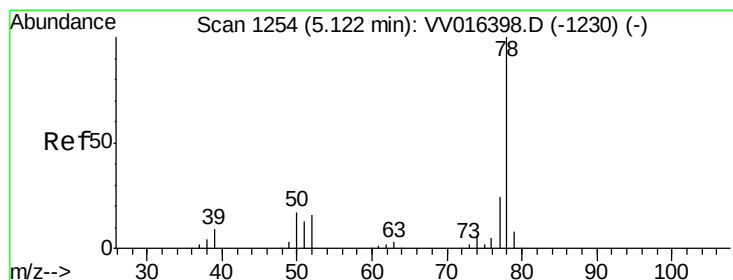
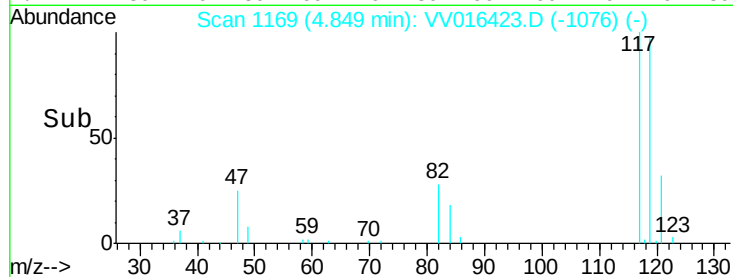
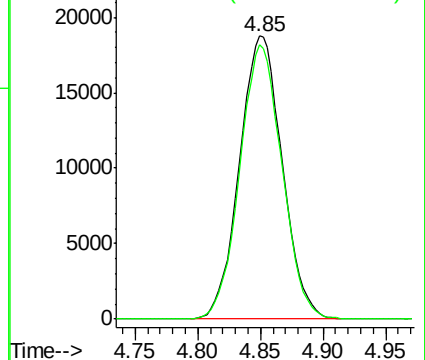
117 100

119 95.5 75.3 112.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.40 ug/L

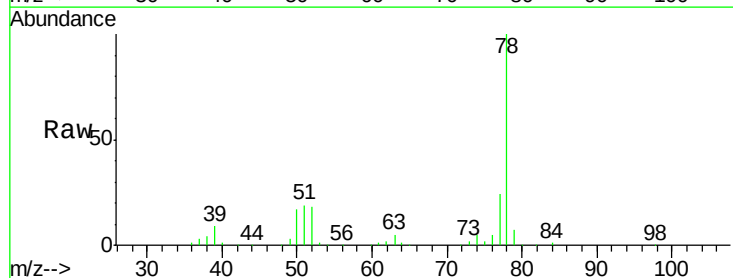
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

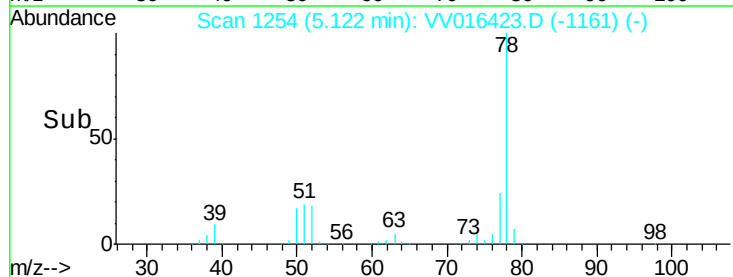
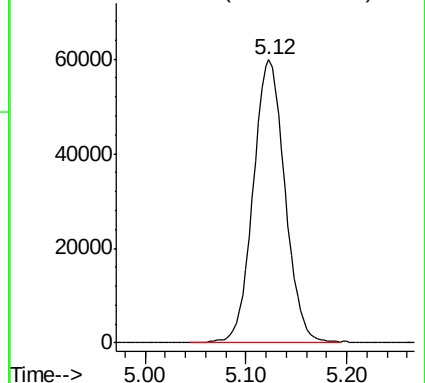
Lab File: VV016423.D

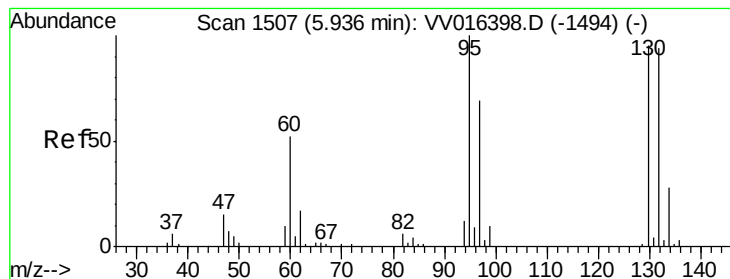
Acq: 02 Jun 2020 11:14

Tgt Ion: 78 Resp: 130827



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.33 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV016423.D

Acq: 02 Jun 2020 11:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00549

Tgt Ion: 95 Resp: 33849

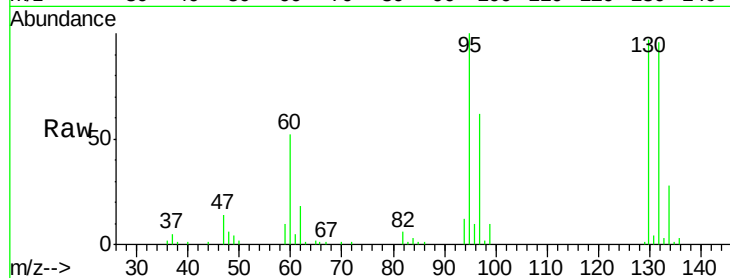
Ion Ratio Lower Upper

95 100

97 62.3 42.6 79.0

132 95.9 59.6 110.8

130 97.1 64.8 120.4

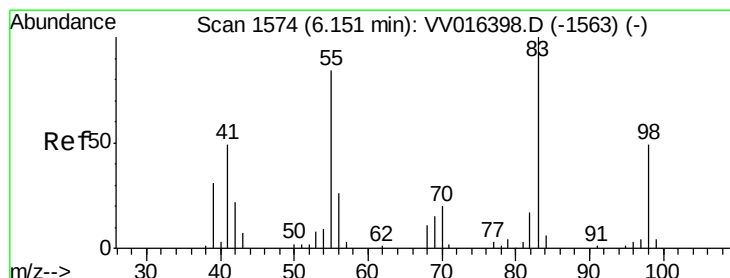
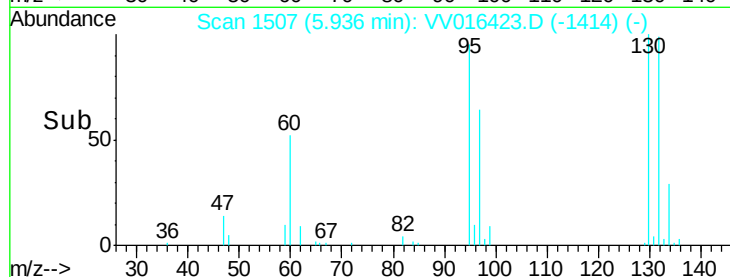
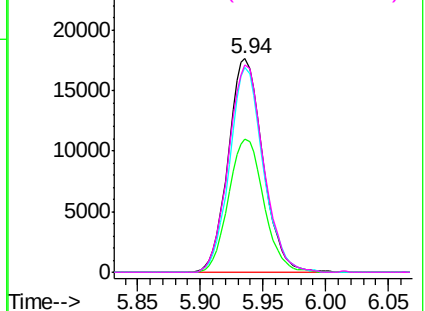


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 5.31 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VV016423.D

Acq: 02 Jun 2020 11:14

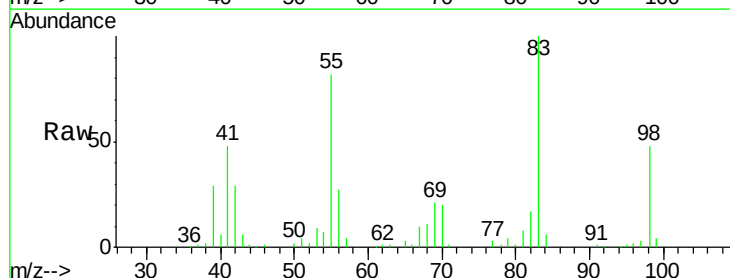
Tgt Ion: 83 Resp: 54306

Ion Ratio Lower Upper

83 100

55 83.1 67.0 100.4

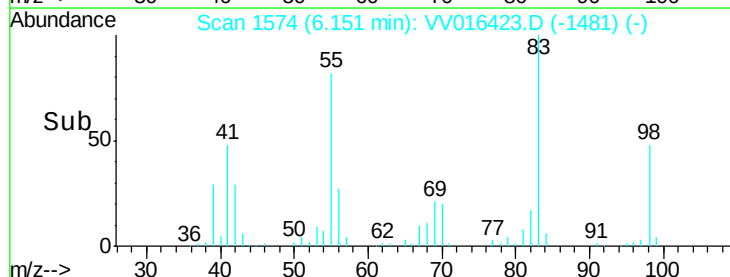
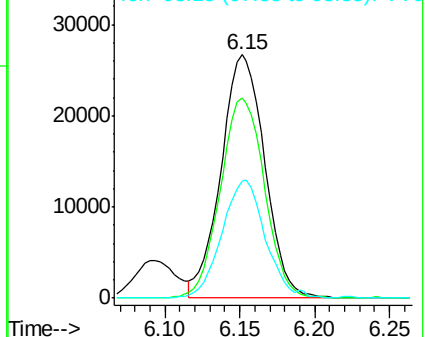
98 48.4 39.0 58.4

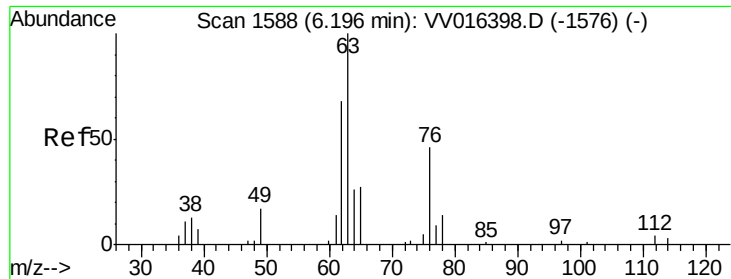


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

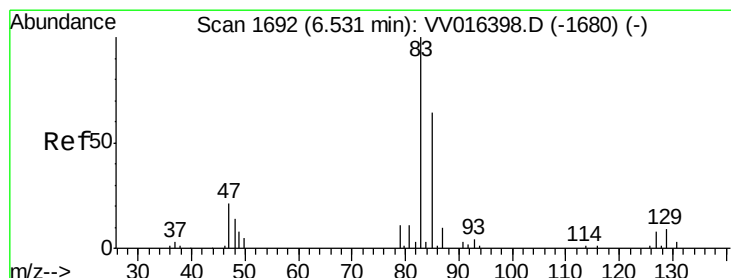
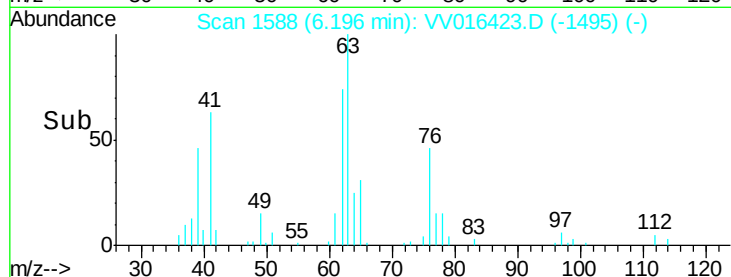
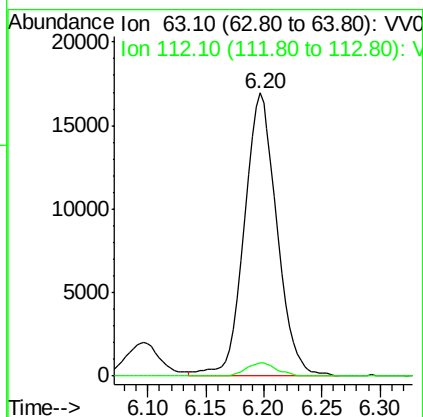
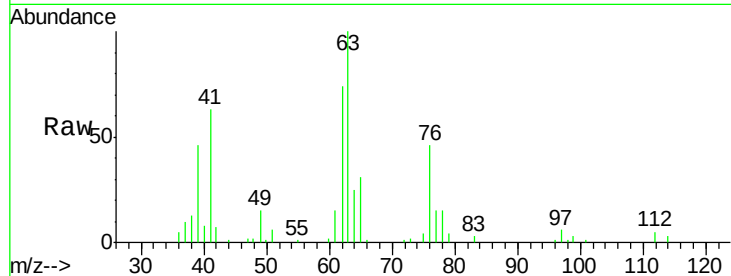




#37
 1,2-Dichloropropane
 Concen: 5.42 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV016423.D
 Acq: 02 Jun 2020 11:14

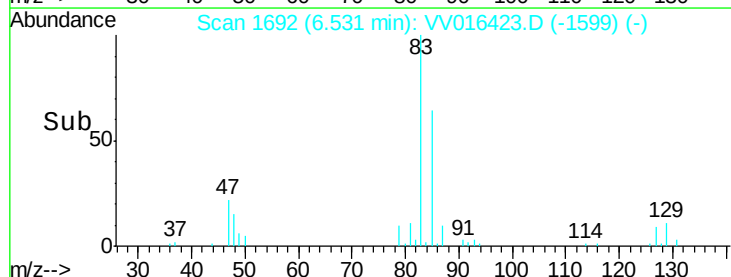
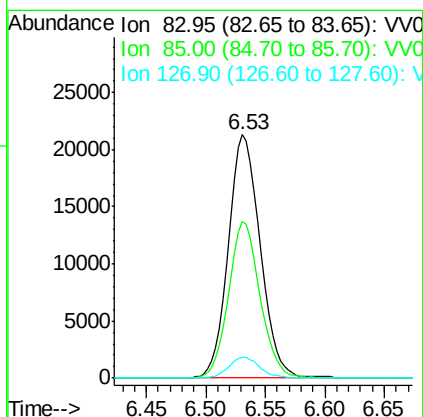
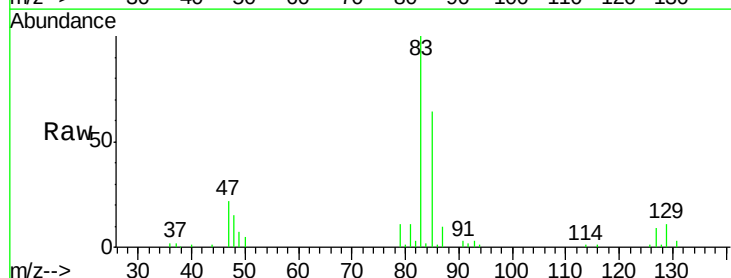
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

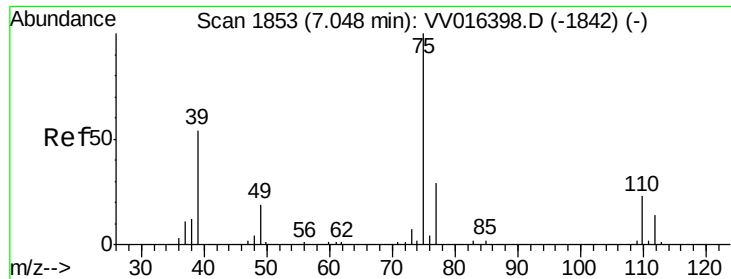
Tgt Ion: 63 Resp: 33230
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.0



#38
 Bromodichloromethane
 Concen: 5.38 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV016423.D
 Acq: 02 Jun 2020 11:14

Tgt Ion: 83 Resp: 39612
 Ion Ratio Lower Upper
 83 100
 85 64.3 44.2 82.2
 127 8.6 6.3 9.5

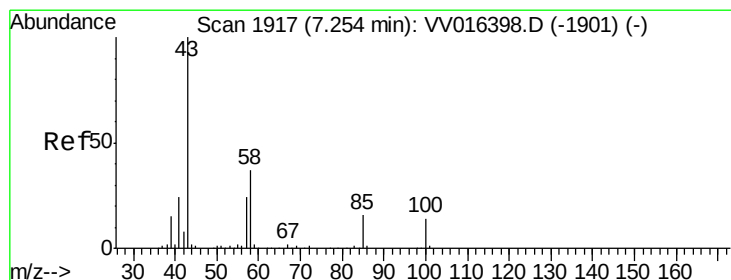
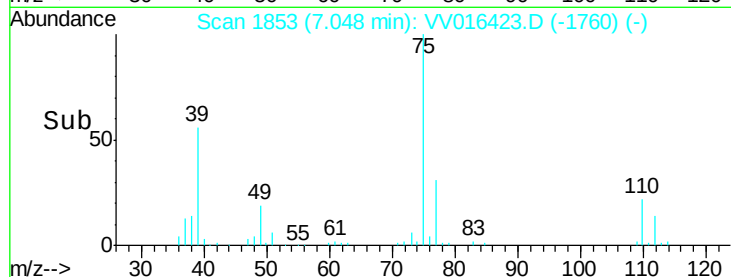
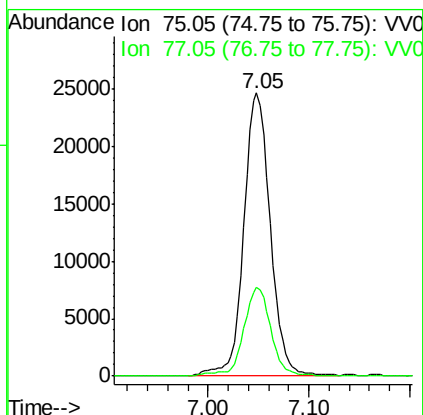
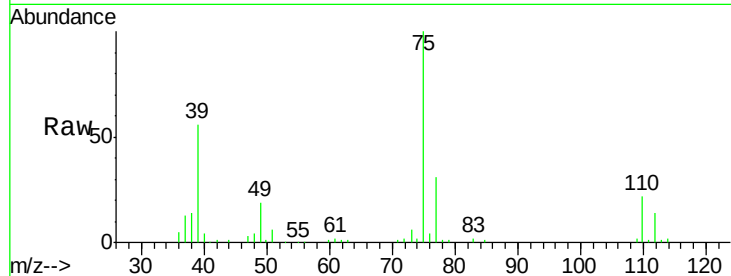




#39
 cis-1,3-Dichloropropene
 Concen: 5.52 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV016423.D
 Acq: 02 Jun 2020 11:14

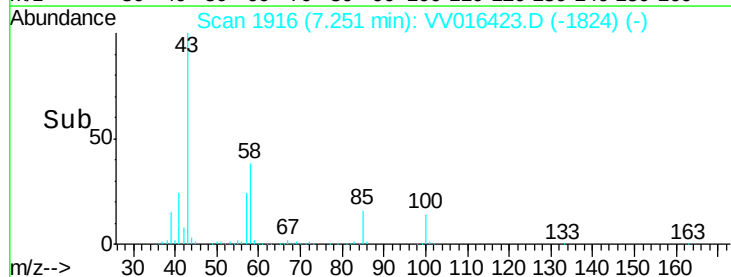
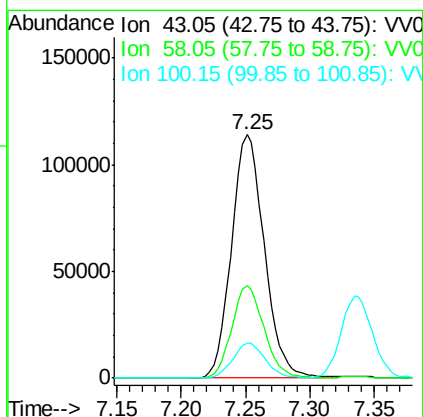
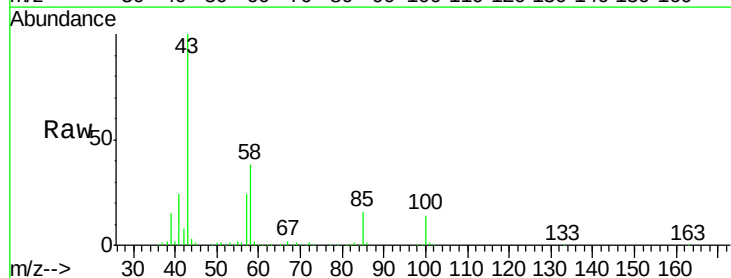
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00549

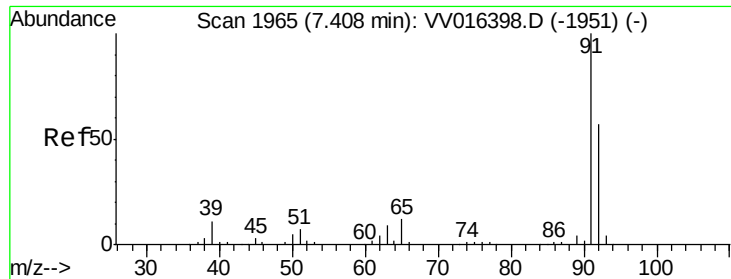
Tgt Ion: 75 Resp: 44688
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 54.82 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VV016423.D
 Acq: 02 Jun 2020 11:14

Tgt Ion: 43 Resp: 202812
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.5 44.3
 100 14.1 11.0 16.6





#42

Toluene

Concen: 5.46 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016423.D

Acq: 02 Jun 2020 11:14

Instrument :

MSVOA_V

ClientSampleId :

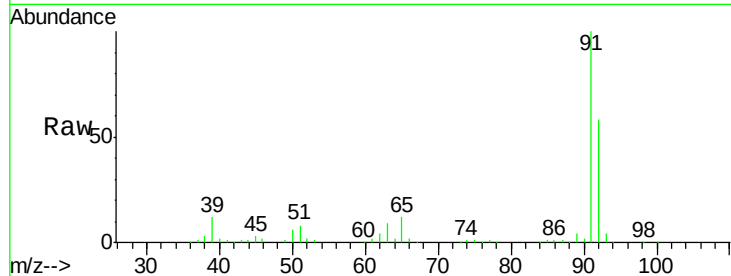
VSTD00549

Tgt Ion: 91 Resp: 140493

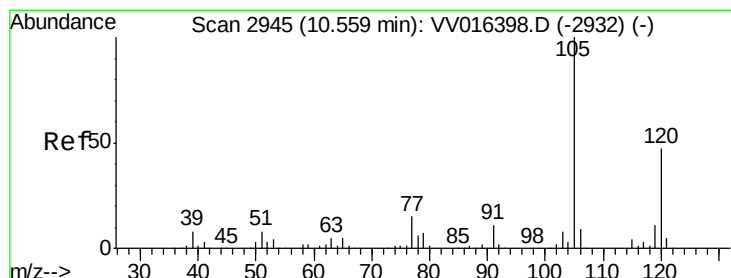
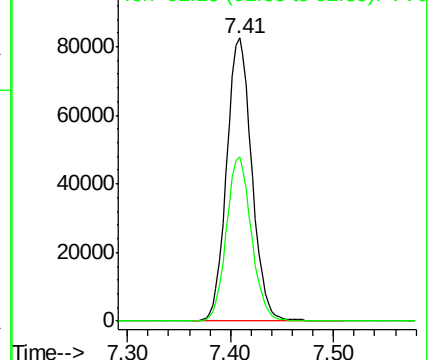
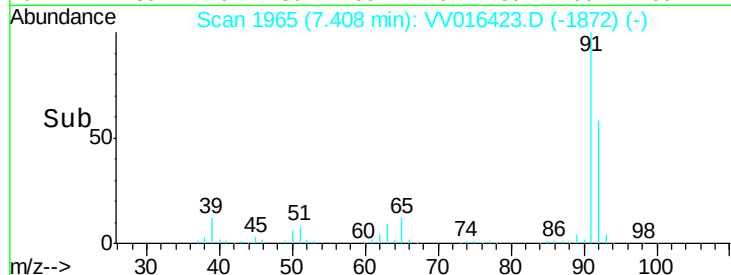
Ion Ratio Lower Upper

91 100

92 58.0 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VV016423.D (-1872) (-)



#43

1,3,5-Trimethylbenzene

Concen: 5.47 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV016423.D

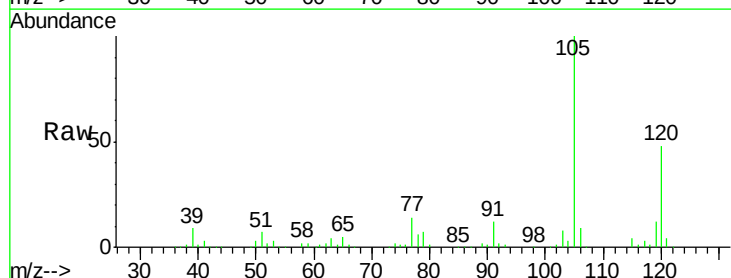
Acq: 02 Jun 2020 11:14

Tgt Ion: 105 Resp: 124918

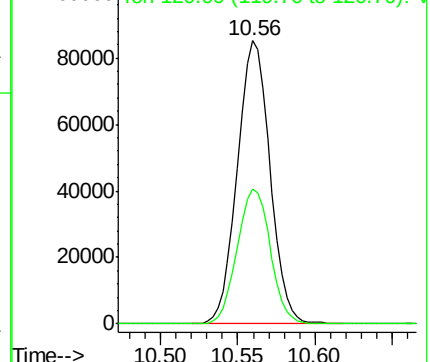
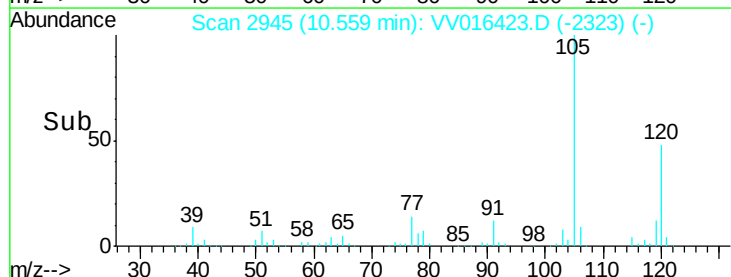
Ion Ratio Lower Upper

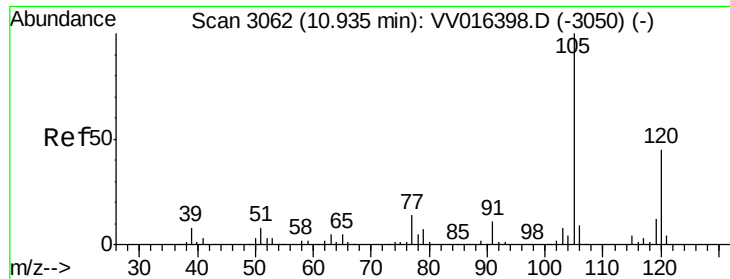
105 100

120 48.3 37.5 56.3



Abundance Ion 105.00 (104.70 to 105.70): VV016423.D (-2323) (-)

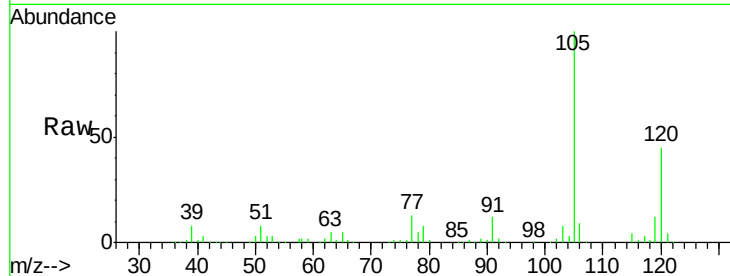




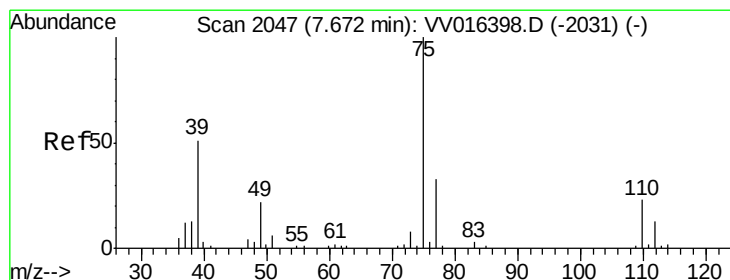
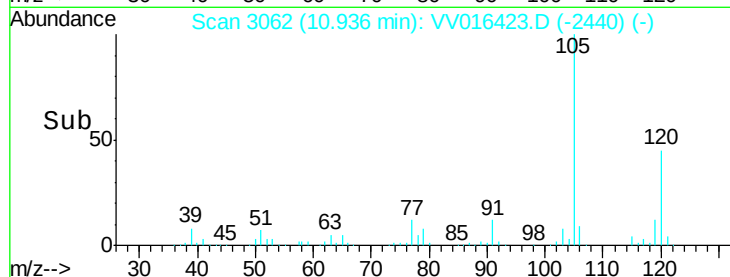
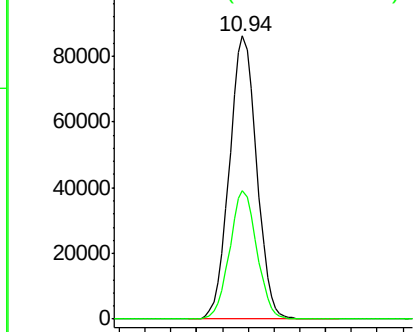
#44
 1,2,4-Trimethylbenzene
 Concen: 5.43 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV016423.D
 Acq: 02 Jun 2020 11:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

Tgt Ion: 105 Resp: 126255
 Ion Ratio Lower Upper
 105 100
 120 45.4 35.5 53.3

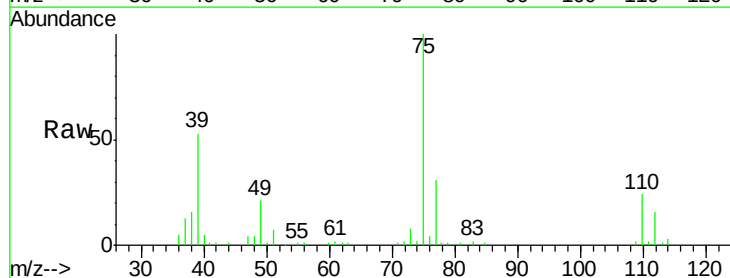


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

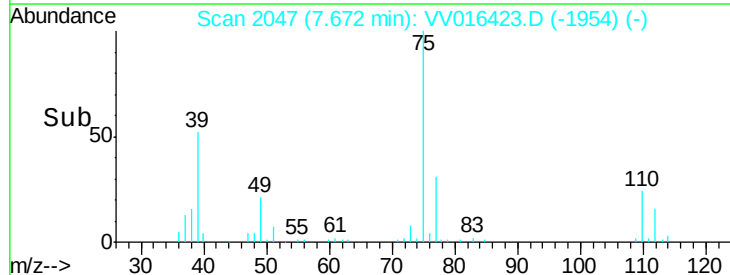
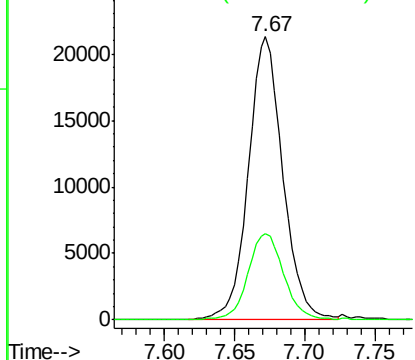


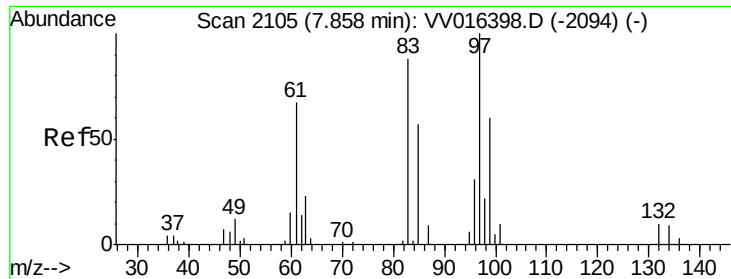
#46
 trans-1,3-Dichloropropene
 Concen: 5.44 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. 0.00 min
 Lab File: VV016423.D
 Acq: 02 Jun 2020 11:14

Tgt Ion: 75 Resp: 36379
 Ion Ratio Lower Upper
 75 100
 77 30.6 21.1 39.3



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 77.05 (76.75 to 77.75): VV0

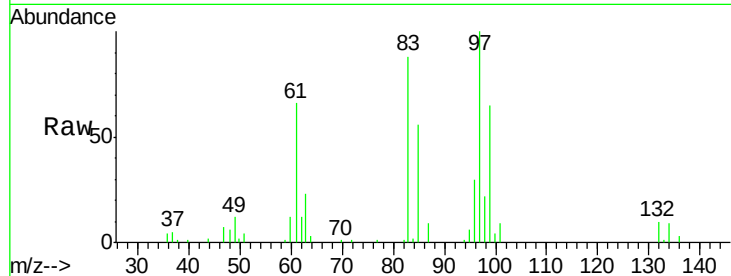




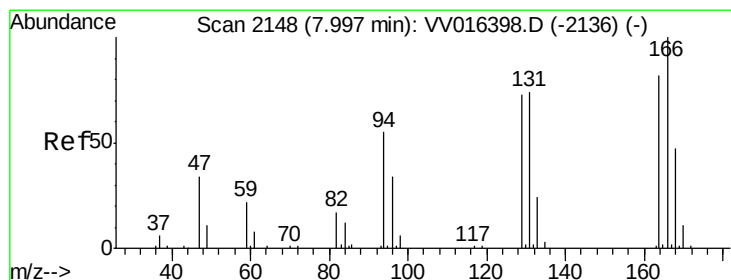
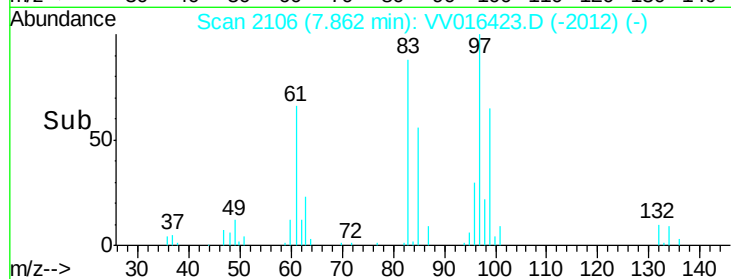
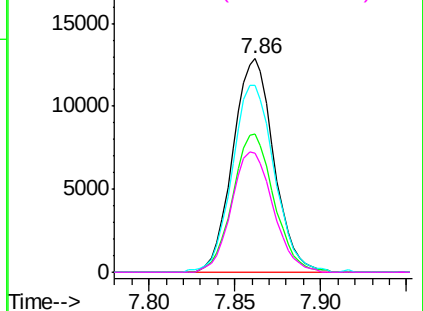
#47
 1,1,2-Trichloroethane
 Concen: 5.46 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV016423.D
 Acq: 02 Jun 2020 11:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

Tgt Ion:	97	Resp:	21390
Ion	Ratio	Lower	Upper
97	100		
99	64.7	47.0	87.2
83	87.6	61.7	114.5
85	55.9	39.1	72.5

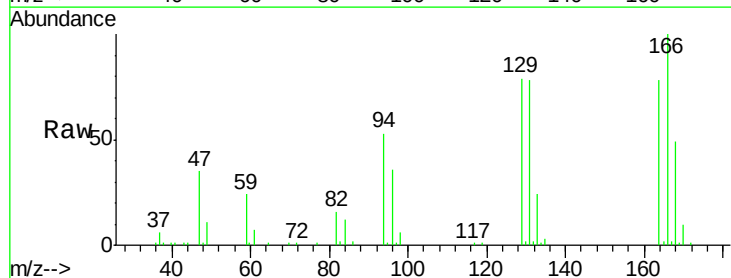


Abundance Ion 96.95 (96.65 to 97.65): VV016423.D (-2102) (-)
 Ion 99.05 (98.75 to 99.75): VV016423.D (-2102) (-)
 Ion 82.95 (82.65 to 83.65): VV016423.D (-2102) (-)
 Ion 85.00 (84.70 to 85.70): VV016423.D (-2102) (-)

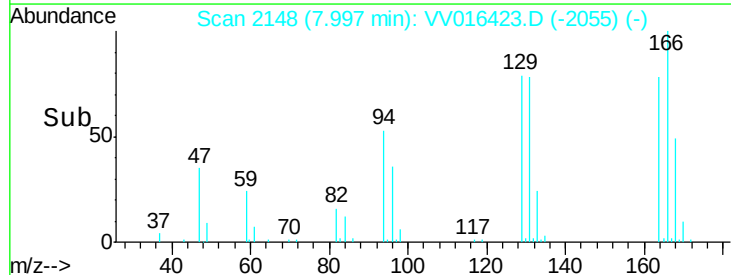
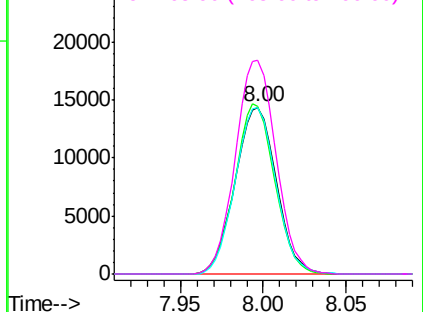


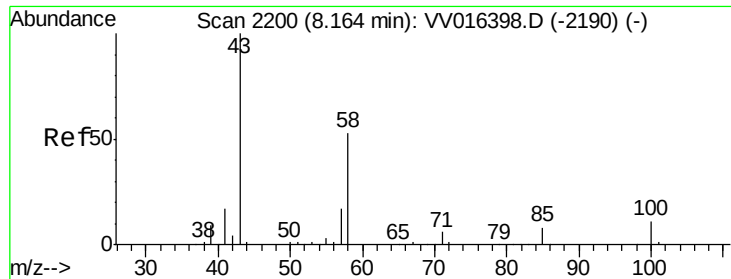
#49
 Tetrachloroethene
 Concen: 5.34 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV016423.D
 Acq: 02 Jun 2020 11:14

Tgt Ion:	164	Resp:	24867
Ion	Ratio	Lower	Upper
164	100		
129	100.7	72.2	134.0
131	99.9	65.8	122.2
166	128.2	88.3	163.9



Abundance Ion 163.90 (163.60 to 164.60): VV016423.D (-2055) (-)
 Ion 128.95 (128.65 to 129.65): VV016423.D (-2055) (-)
 Ion 130.95 (130.65 to 131.65): VV016423.D (-2055) (-)
 Ion 165.90 (165.60 to 166.60): VV016423.D (-2055) (-)

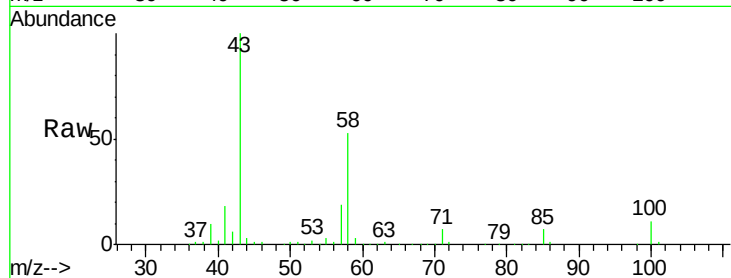




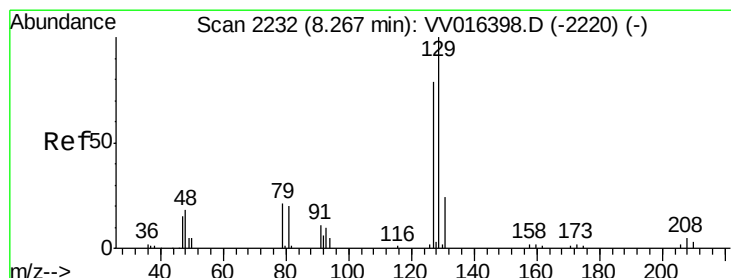
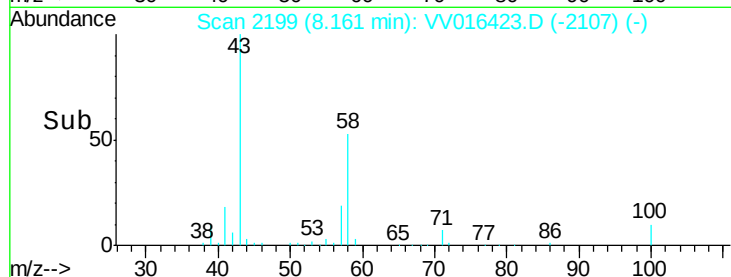
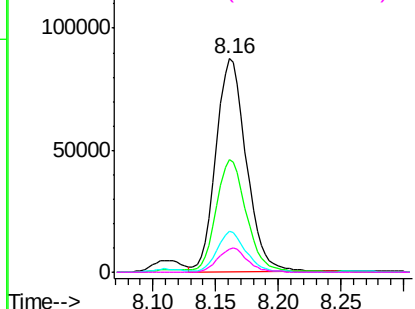
#50
2-Hexanone
Concen: 56.77 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV016423.D
Acq: 02 Jun 2020 11:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

Tgt Ion: 43 Resp: 146492
Ion Ratio Lower Upper
43 100
58 52.5 41.1 61.7
57 18.7 14.2 21.4
100 11.0 8.8 13.2

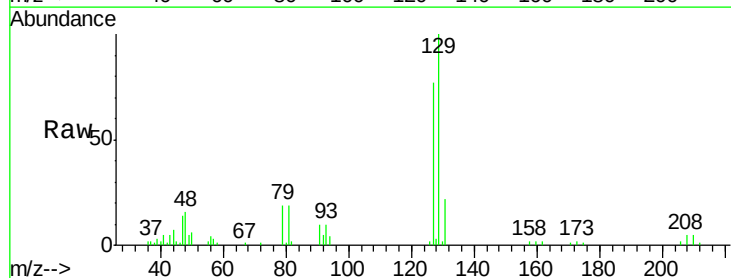


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

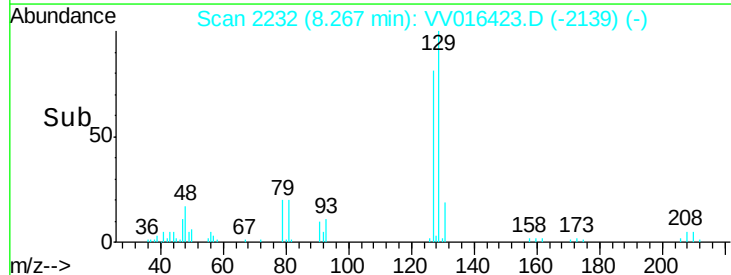
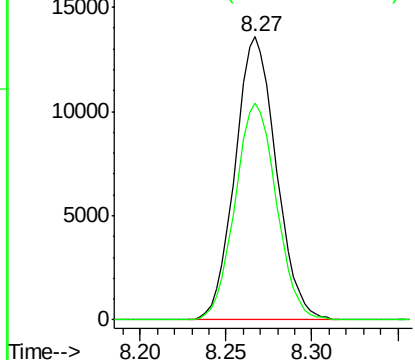


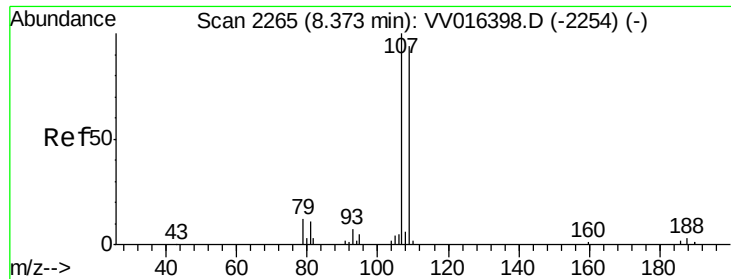
#51
Dibromochloromethane
Concen: 5.51 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV016423.D
Acq: 02 Jun 2020 11:14

Tgt Ion: 129 Resp: 22584
Ion Ratio Lower Upper
129 100
127 76.7 57.0 105.8



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#52

1,2-Dibromoethane

Concen: 5.37 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.00 min

Lab File: VV016423.D

Acq: 02 Jun 2020 11:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00549

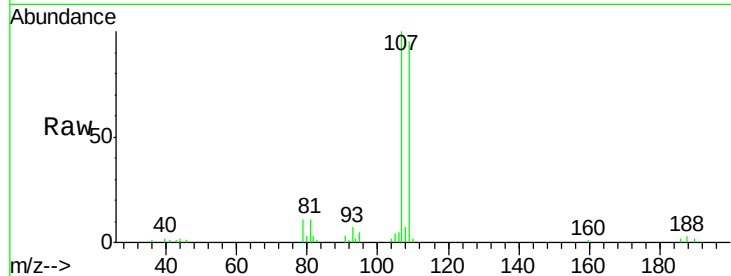
Tgt Ion:107 Resp: 19874

Ion Ratio Lower Upper

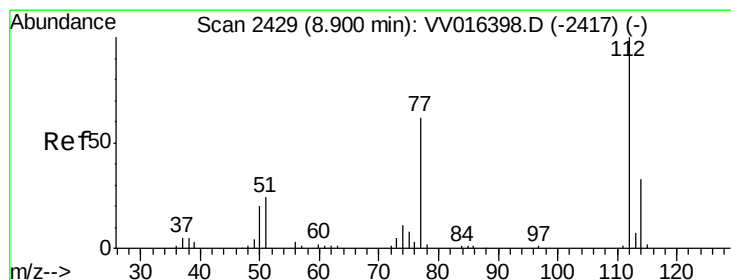
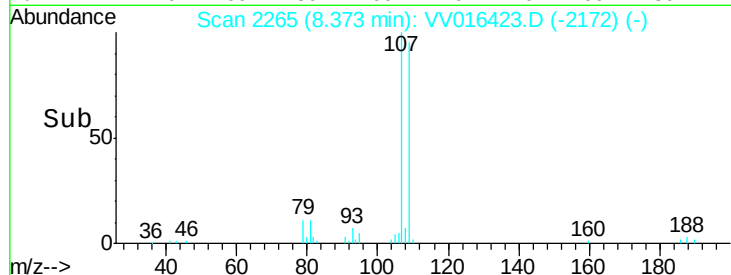
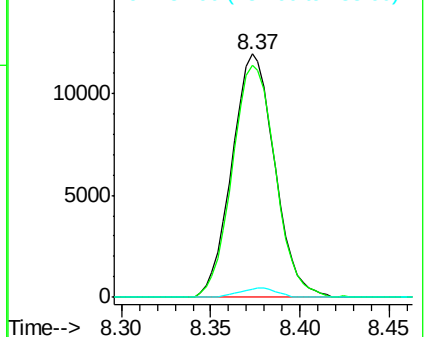
107 100

109 95.3 65.9 122.3

188 3.5 3.0 4.4



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#53

Chlorobenzene

Concen: 5.42 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VV016423.D

Acq: 02 Jun 2020 11:14

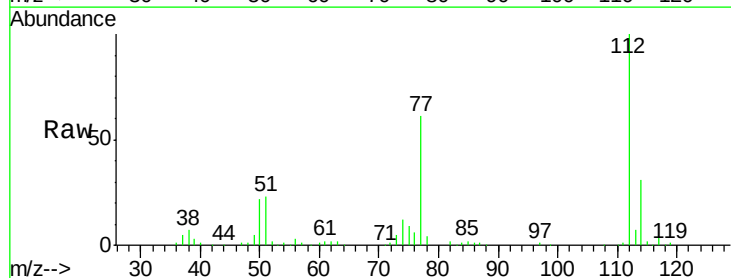
Tgt Ion:112 Resp: 87644

Ion Ratio Lower Upper

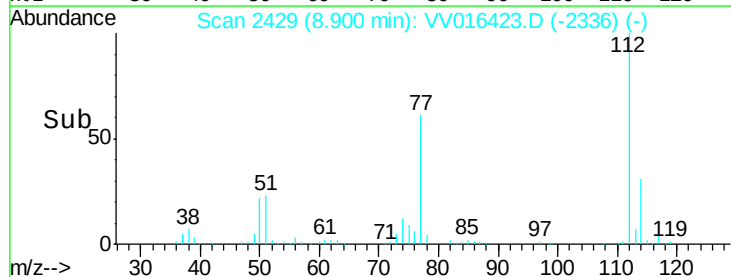
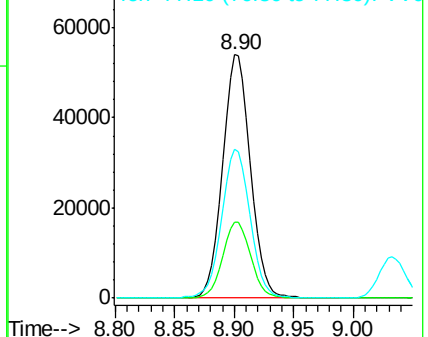
112 100

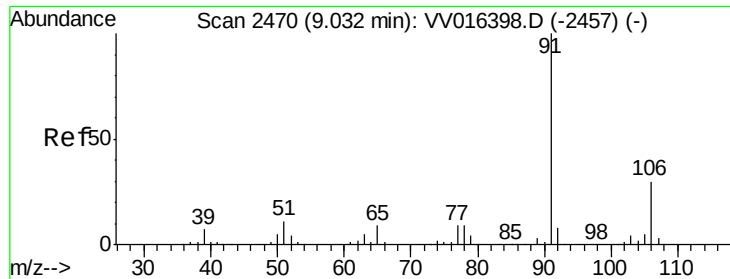
114 31.4 22.6 42.0

77 61.3 50.5 75.7



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#54

Ethylbenzene

Concen: 5.46 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016423.D

Acq: 02 Jun 2020 11:14

Instrument :

MSVOA_V

ClientSampleId :

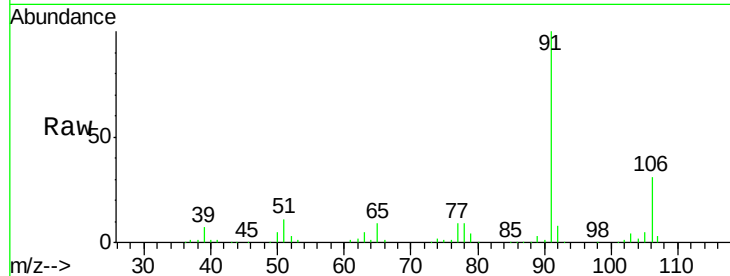
VSTD00549

Tgt Ion: 91 Resp: 155113

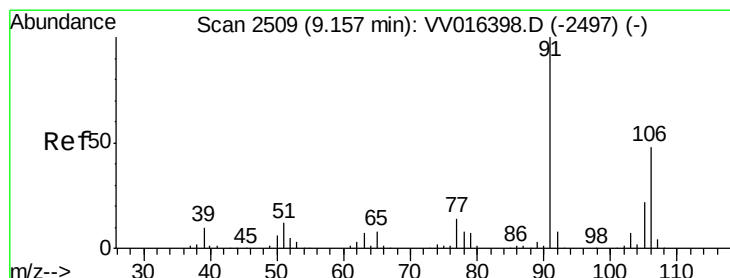
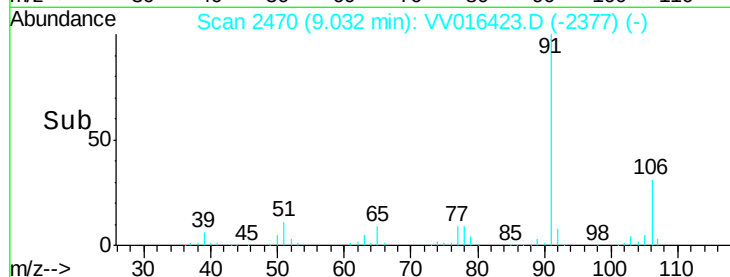
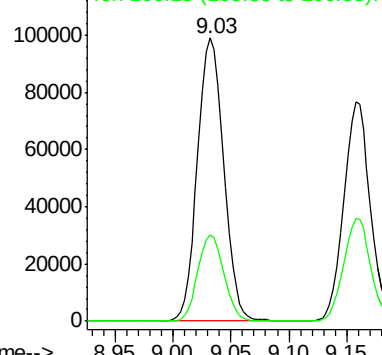
Ion Ratio Lower Upper

91 100

106 30.6 21.4 39.8



Abundance Ion 91.15 (90.85 to 91.85): VV016423.D (-2377) (-)



#55

m,p-xylene

Concen: 5.49 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV016423.D

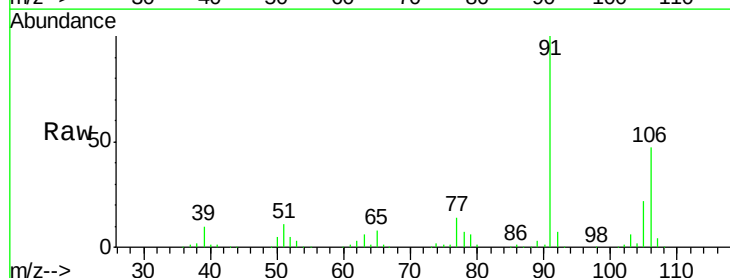
Acq: 02 Jun 2020 11:14

Tgt Ion: 106 Resp: 58382

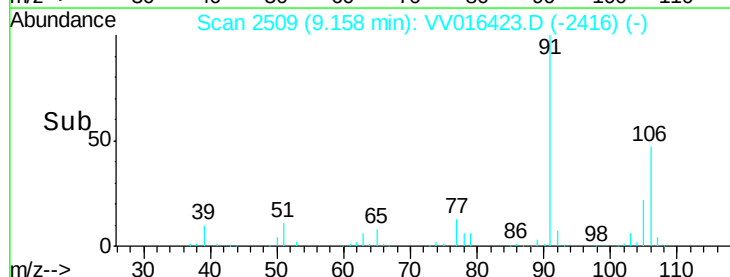
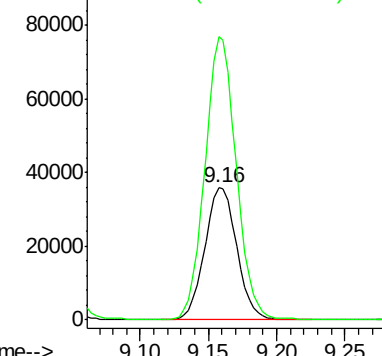
Ion Ratio Lower Upper

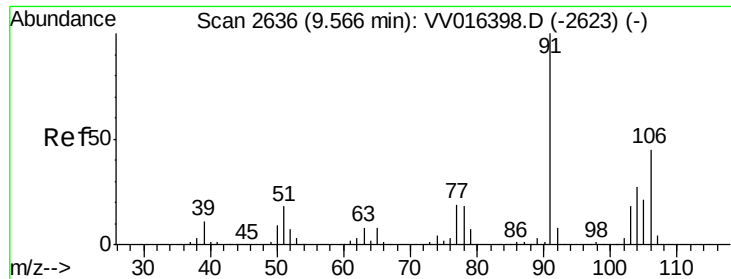
106 100

91 214.3 146.6 272.2



Abundance Ion 106.15 (105.85 to 106.85): VV016423.D (-2416) (-)

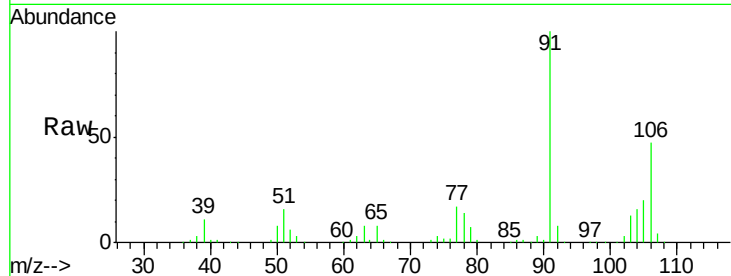




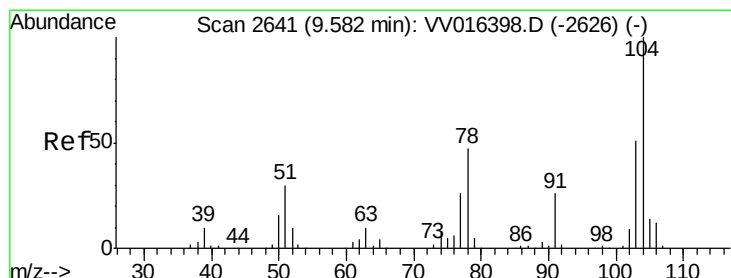
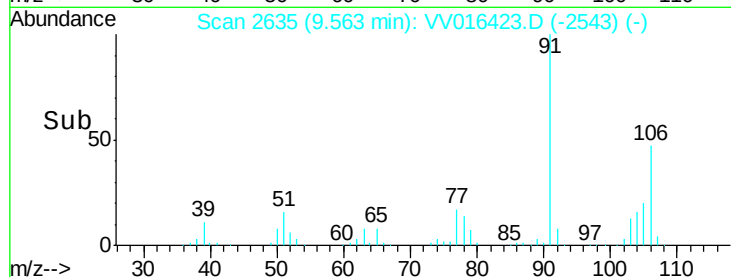
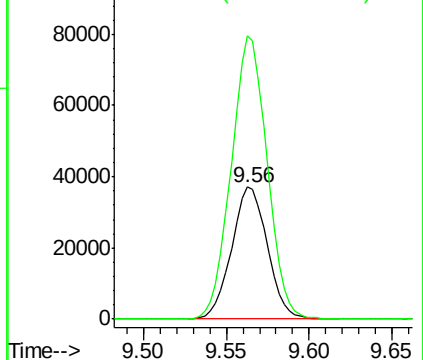
#56
o-xylene
Concen: 5.57 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV016423.D
Acq: 02 Jun 2020 11:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

Tgt Ion:106 Resp: 55758
Ion Ratio Lower Upper
106 100
91 214.3 155.2 288.2

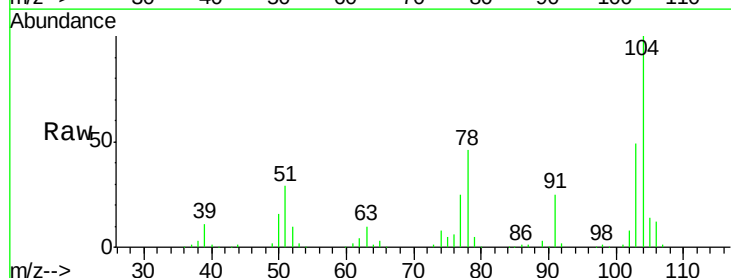


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

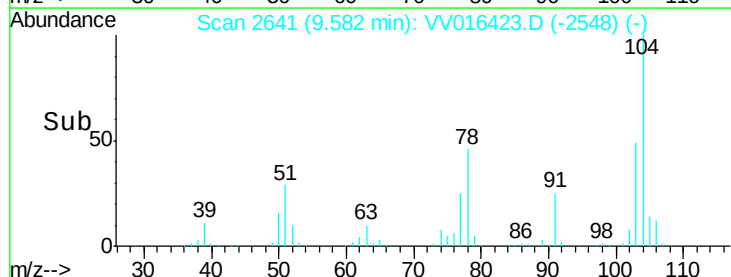
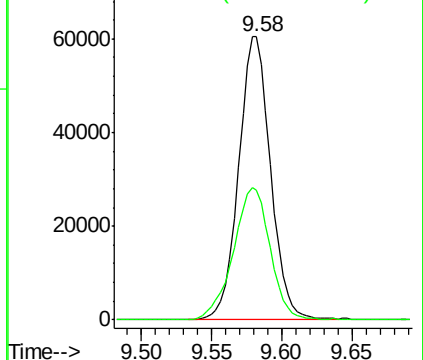


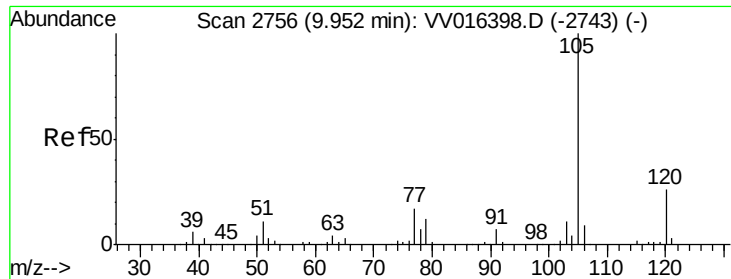
#57
Styrene
Concen: 5.60 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV016423.D
Acq: 02 Jun 2020 11:14

Tgt Ion:104 Resp: 95722
Ion Ratio Lower Upper
104 100
78 46.0 32.6 60.6



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 5.48 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016423.D

Acq: 02 Jun 2020 11:14

Instrument :

MSVOA_V

ClientSampled :

VSTD00549

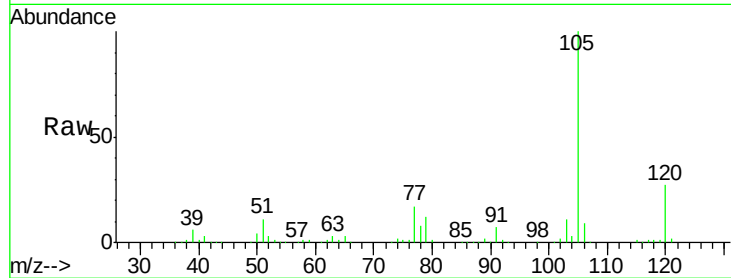
Tgt Ion: 105 Resp: 149417

Ion Ratio Lower Upper

105 100

120 26.1 20.7 31.1

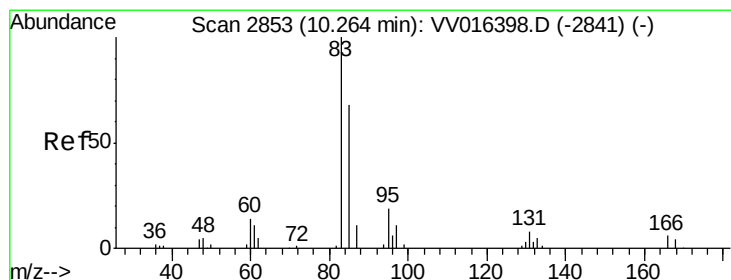
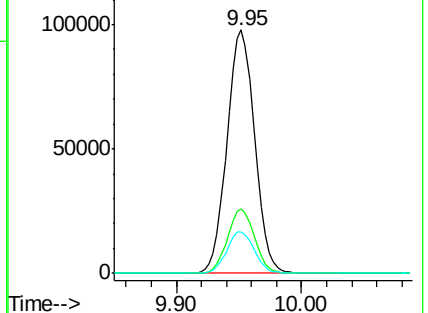
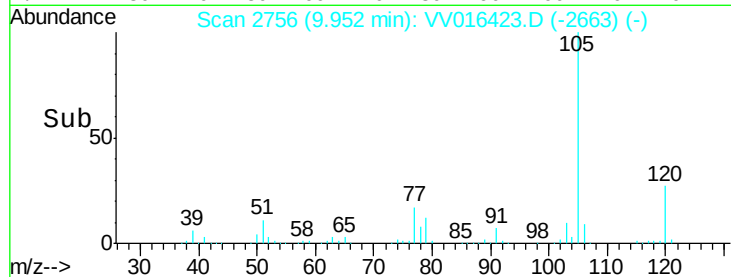
77 17.0 13.4 20.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 5.22 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016423.D

Acq: 02 Jun 2020 11:14

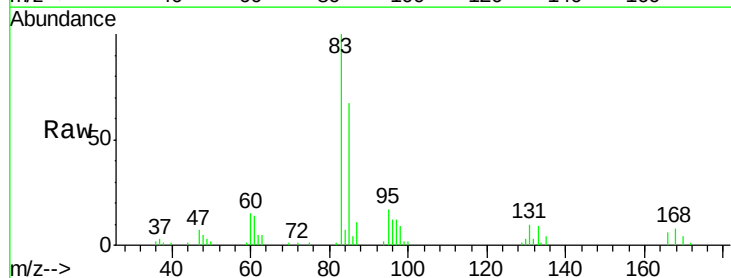
Tgt Ion: 83 Resp: 25815

Ion Ratio Lower Upper

83 100

85 66.7 43.7 81.1

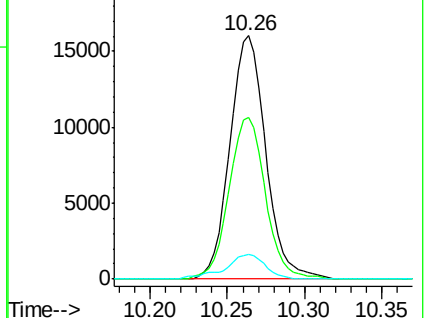
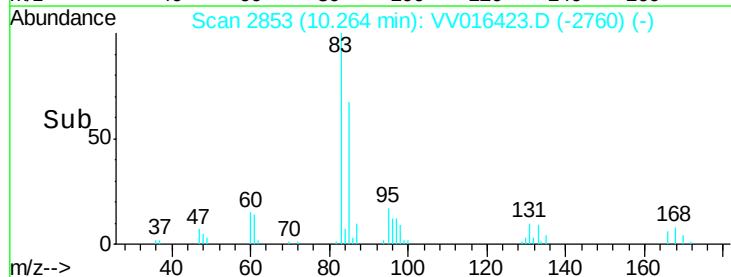
131 9.9 7.8 11.6

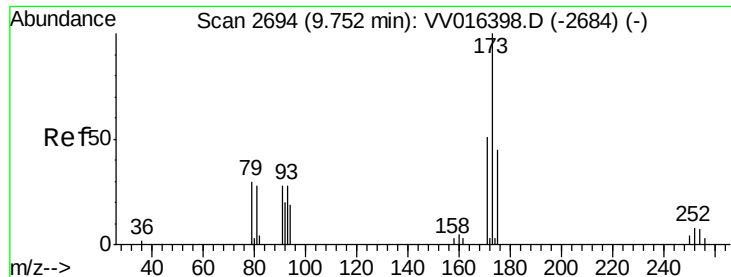


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 5.28 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016423.D

Acq: 02 Jun 2020 11:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00549

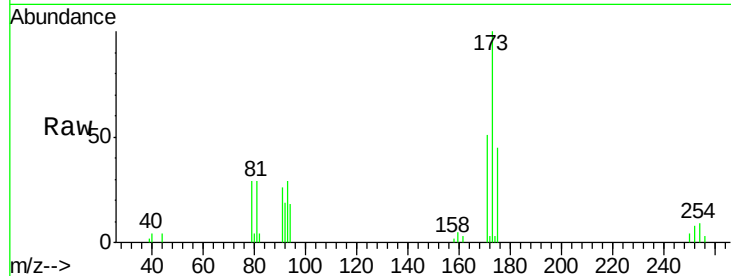
Tgt Ion:173 Resp: 9093

Ion Ratio Lower Upper

173 100

175 47.4 38.3 57.5

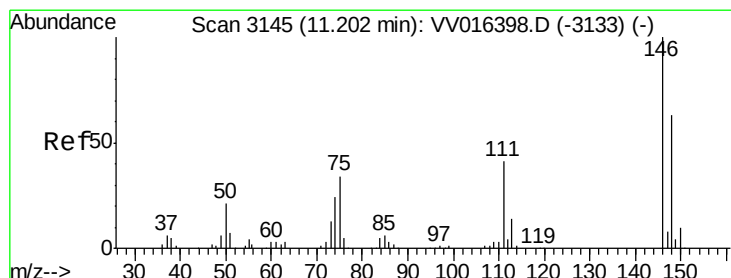
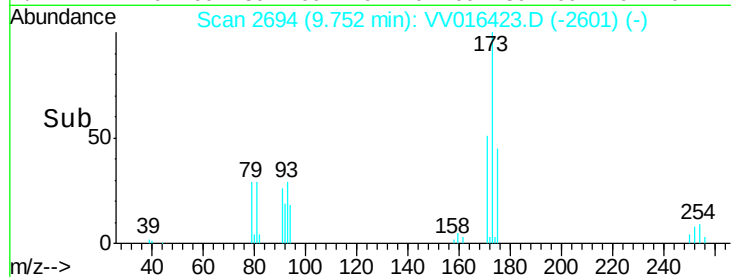
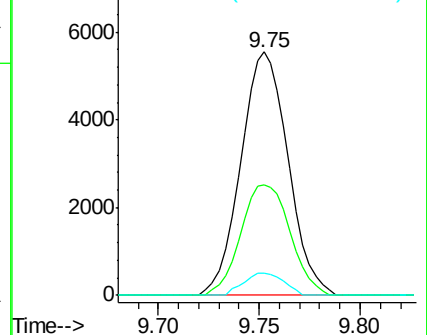
254 7.8 5.8 8.6



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 5.37 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016423.D

Acq: 02 Jun 2020 11:14

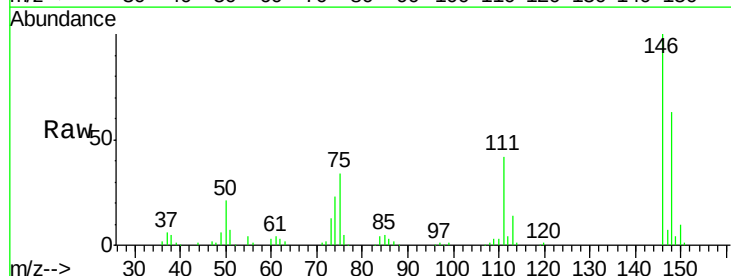
Tgt Ion:146 Resp: 67482

Ion Ratio Lower Upper

146 100

111 42.1 30.3 56.3

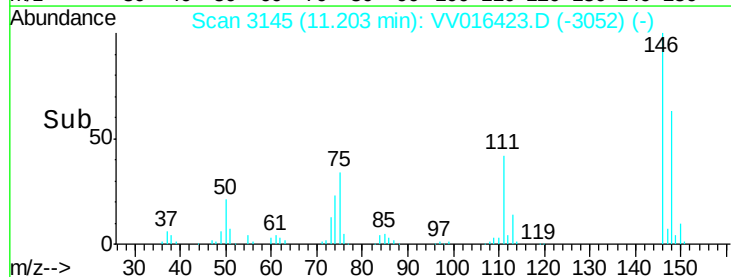
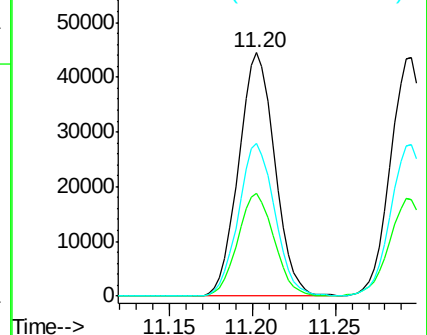
148 62.7 44.3 82.3

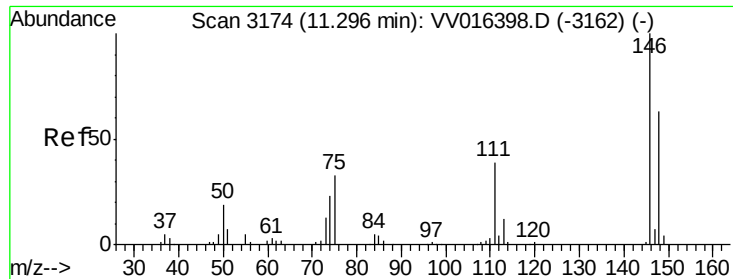


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 5.16 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016423.D

Acq: 02 Jun 2020 11:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00549

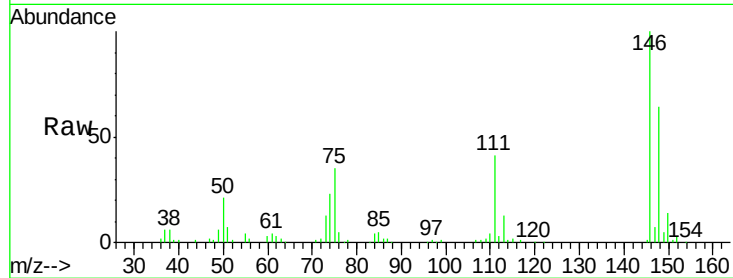
Tgt Ion:146 Resp: 66939

Ion Ratio Lower Upper

146 100

111 40.8 29.6 55.0

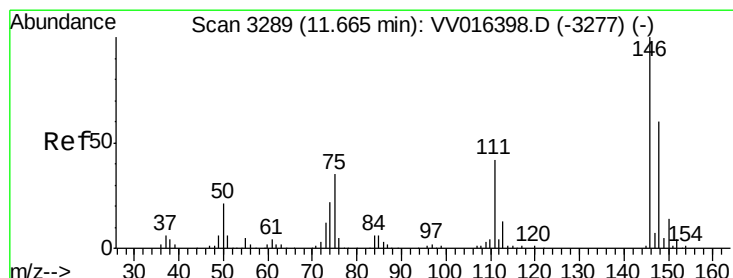
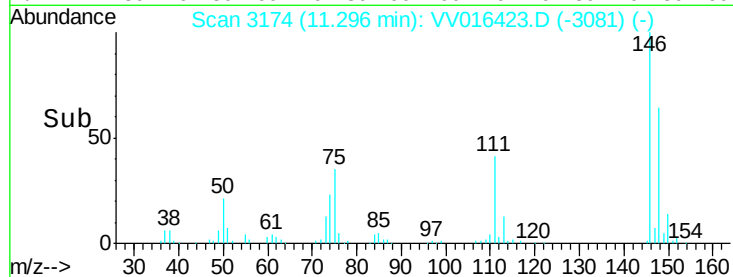
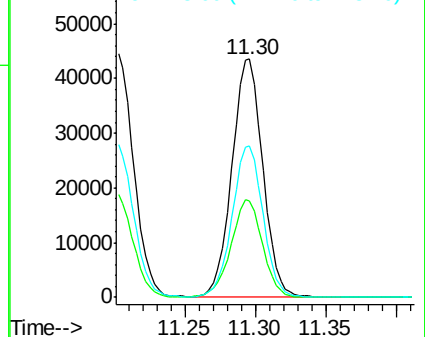
148 63.6 44.7 83.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 5.07 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016423.D

Acq: 02 Jun 2020 11:14

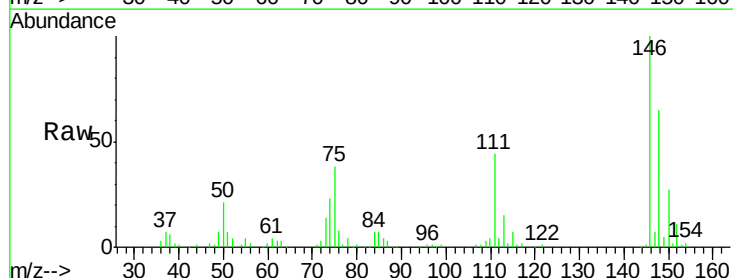
Tgt Ion:146 Resp: 59226

Ion Ratio Lower Upper

146 100

111 44.2 35.4 53.2

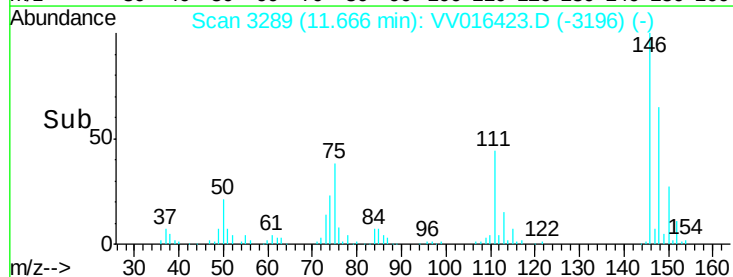
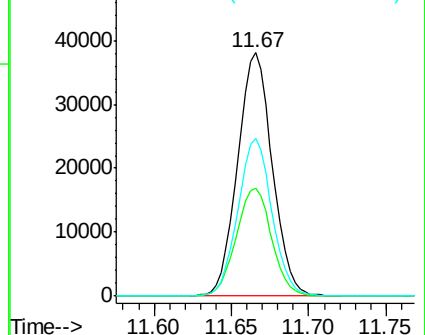
148 64.7 51.0 76.4

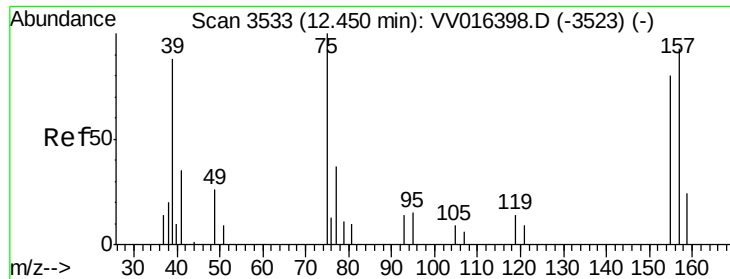


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

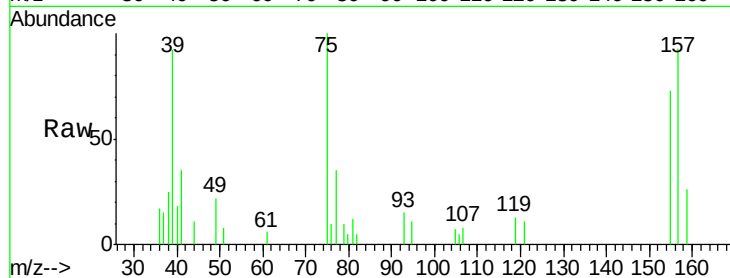




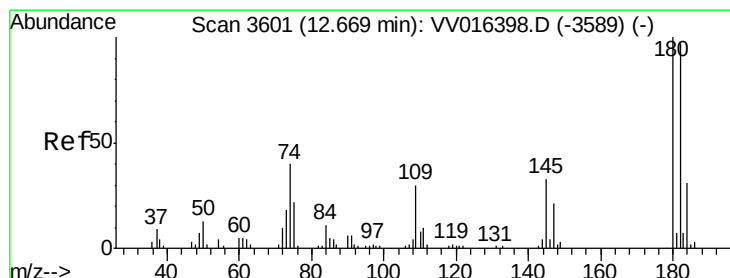
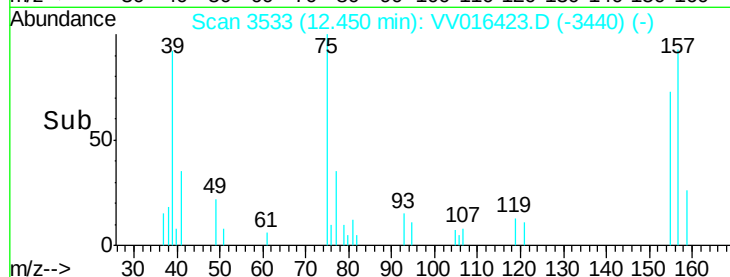
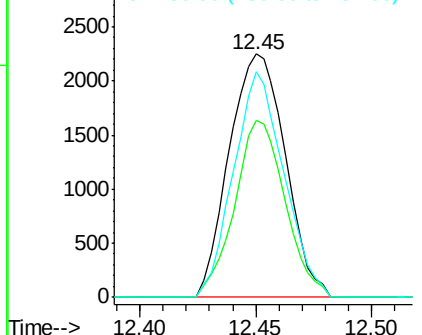
#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.96 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV016423.D
 Acq: 02 Jun 2020 11:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

Tgt Ion: 75 Resp: 3780
 Ion Ratio Lower Upper
 75 100
 155 72.7 58.1 87.1
 157 92.6 71.0 106.4

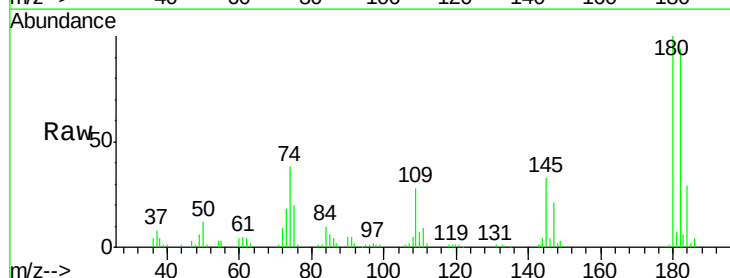


Abundance Ion 75.05 (74.75 to 75.75): VV016423.D (-3440) (-)
 Ion 154.95 (154.65 to 155.65): VV016423.D (-3440) (-)
 Ion 156.90 (156.60 to 157.60): VV016423.D (-3440) (-)

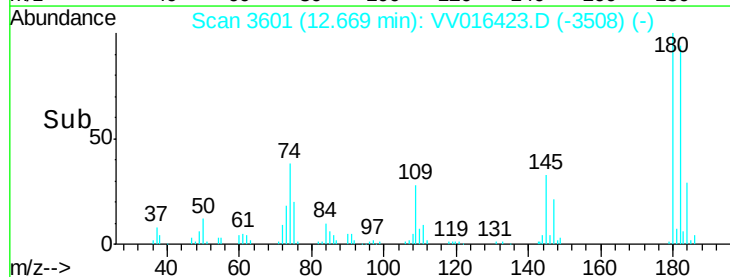
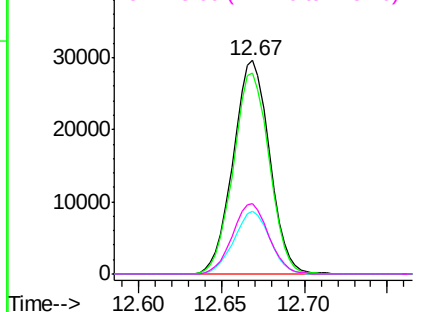


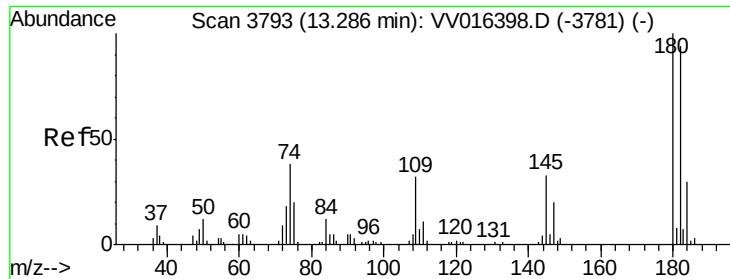
#68
 1,3,5-Trichlorobenzene
 Concen: 5.01 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016423.D
 Acq: 02 Jun 2020 11:14

Tgt Ion: 180 Resp: 45296
 Ion Ratio Lower Upper
 180 100
 182 92.9 75.5 113.3
 184 28.8 24.2 36.2
 145 32.6 26.2 39.2



Abundance Ion 180.00 (179.70 to 180.70): VV016423.D (-3508) (-)
 Ion 182.00 (181.70 to 182.70): VV016423.D (-3508) (-)
 Ion 184.00 (183.70 to 184.70): VV016423.D (-3508) (-)
 Ion 145.00 (144.70 to 145.70): VV016423.D (-3508) (-)

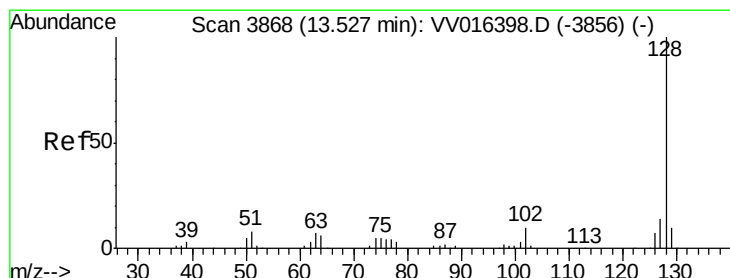
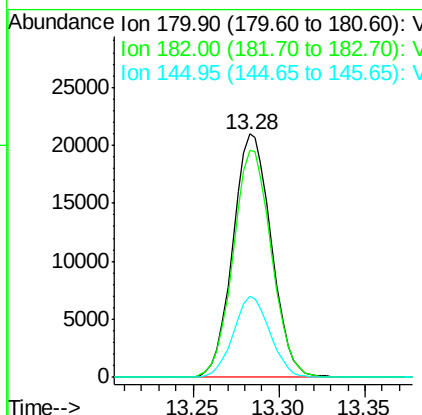
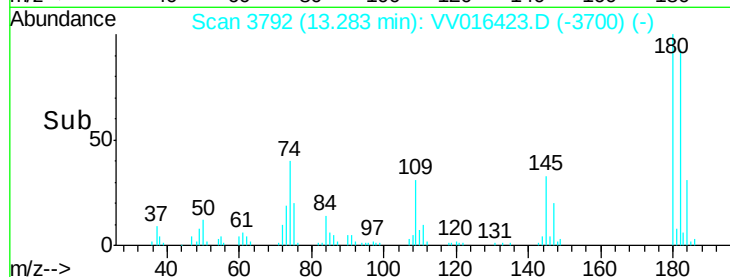
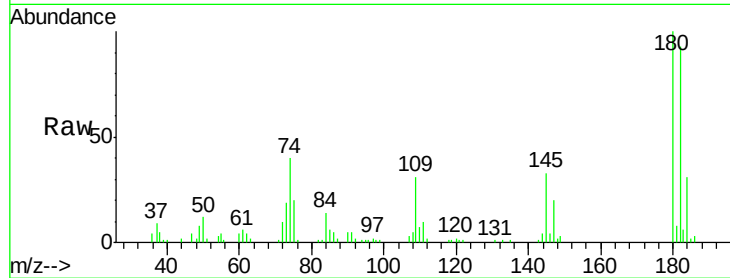




#69
 1,2,4-trichlorobenzene
 Concen: 4.21 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV016423.D
 Acq: 02 Jun 2020 11:14

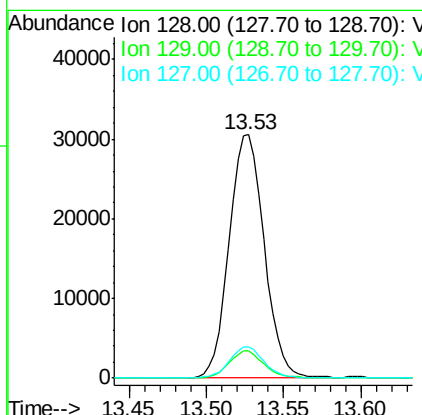
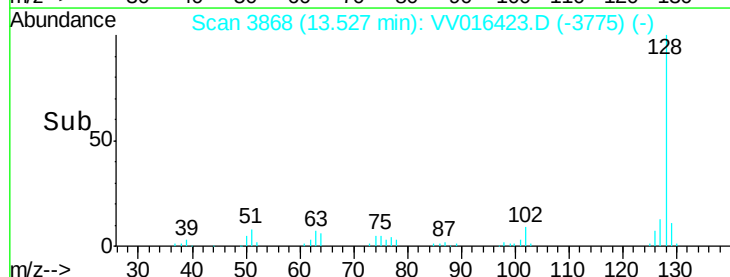
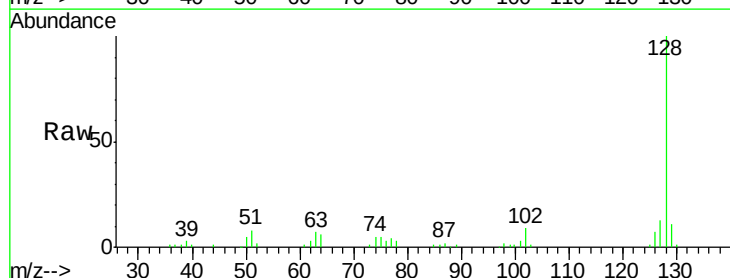
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

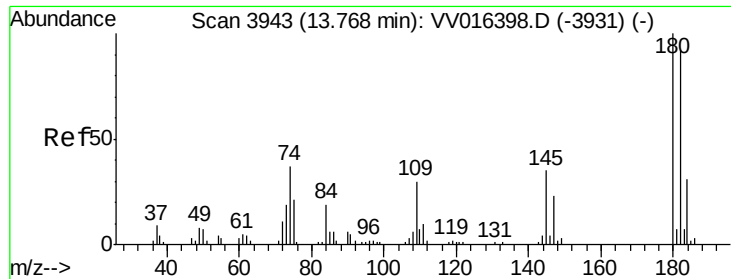
Tgt Ion:180 Resp: 32651
 Ion Ratio Lower Upper
 180 100
 182 92.9 76.4 114.6
 145 31.7 26.9 40.3



#70
 Naphthalene
 Concen: 2.59 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV016423.D
 Acq: 02 Jun 2020 11:14

Tgt Ion:128 Resp: 48066
 Ion Ratio Lower Upper
 128 100
 129 10.8 8.6 12.8
 127 12.5 10.7 16.1

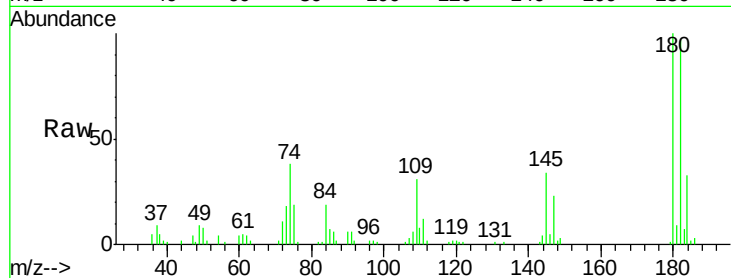




#71
 1,2,3-Trichlorobenzene
 Concen: 3.36 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV016423.D
 Acq: 02 Jun 2020 11:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

Tgt Ion:180 Resp: 23285
 Ion Ratio Lower Upper
 180 100
 182 95.0 75.1 112.7
 145 35.3 28.5 42.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

