

Data File : VV012440.D
Acq On : 29 Aug 2019 19:13
Operator : SY/MD
Sample : VSTD00531
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00531

Quant Time: Aug 30 05:25:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 30 05:22:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	220926	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	215181	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	107303	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	95331	17.70	ug/L	0.00
7) Chloroethane-d5	1.58	69	70004	16.19	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	158947	9.76	ug/L	0.00
20) 2-Butanone-d5	3.96	46	207111	58.83	ug/L	0.00
24) Chloroform-d	4.40	84	169828	7.35	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	81638	8.41	ug/L	0.00
32) Benzene-d6	5.10	84	328908	10.26	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	101779	7.61	ug/L	0.00
41) Toluene-d8	7.36	98	308107	9.63	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	36566	7.37	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	147322	57.03	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	72970	5.85	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	100604	6.03	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	154873	4.929 ug/L	100
3) Chloromethane	1.25	50	146258	5.556 ug/L	100
5) Vinyl chloride	1.32	62	136785	5.618 ug/L	100
6) Bromomethane	1.54	94	74165	5.757 ug/L	100
8) Chloroethane	1.60	64	73613	5.723 ug/L	100
9) Trichlorofluoromethane	1.77	101	180465	5.433 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	90251	5.568 ug/L	100
12) 1,1-Dichloroethene	2.14	96	83285	5.401 ug/L	100
13) Acetone	2.23	43	144691	56.313 ug/L	100
14) Carbon disulfide	2.32	76	257210	5.508 ug/L	100
15) Methyl Acetate	2.47	43	36916	5.866 ug/L	100
16) Methylene chloride	2.53	84	88343	5.276 ug/L	100
17) Methyl tert-butyl Ether	2.81	73	235767	5.146 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	108938	5.159 ug/L	100
19) 1,1-Dichloroethane	3.23	63	213785	5.155 ug/L	100
21) 2-Butanone	4.05	43	284786	54.361 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	115996	5.128 ug/L	100
23) Bromochloromethane	4.30	128	50125	5.242 ug/L	100
25) Chloroform	4.42	83	215842	4.991 ug/L	100
27) 1,2-Dichloroethane	5.18	62	127016	5.208 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	181764	5.162 ug/L	100
30) Cyclohexane	4.72	56	184060	5.145 ug/L	100
31) Carbon tetrachloride	4.87	117	156404	5.058 ug/L	100
33) Benzene	5.14	78	469421	5.273 ug/L	100
34) Trichloroethene	5.96	95	117571	5.097 ug/L	100
35) Methylcyclohexane	6.17	83	183585	5.194 ug/L	100
37) 1,2-Dichloropropane	6.22	63	120690	5.319 ug/L	100
38) Bromodichloromethane	6.55	83	148478	5.095 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	159509	5.324 ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	716652	55.394 ug/L	100

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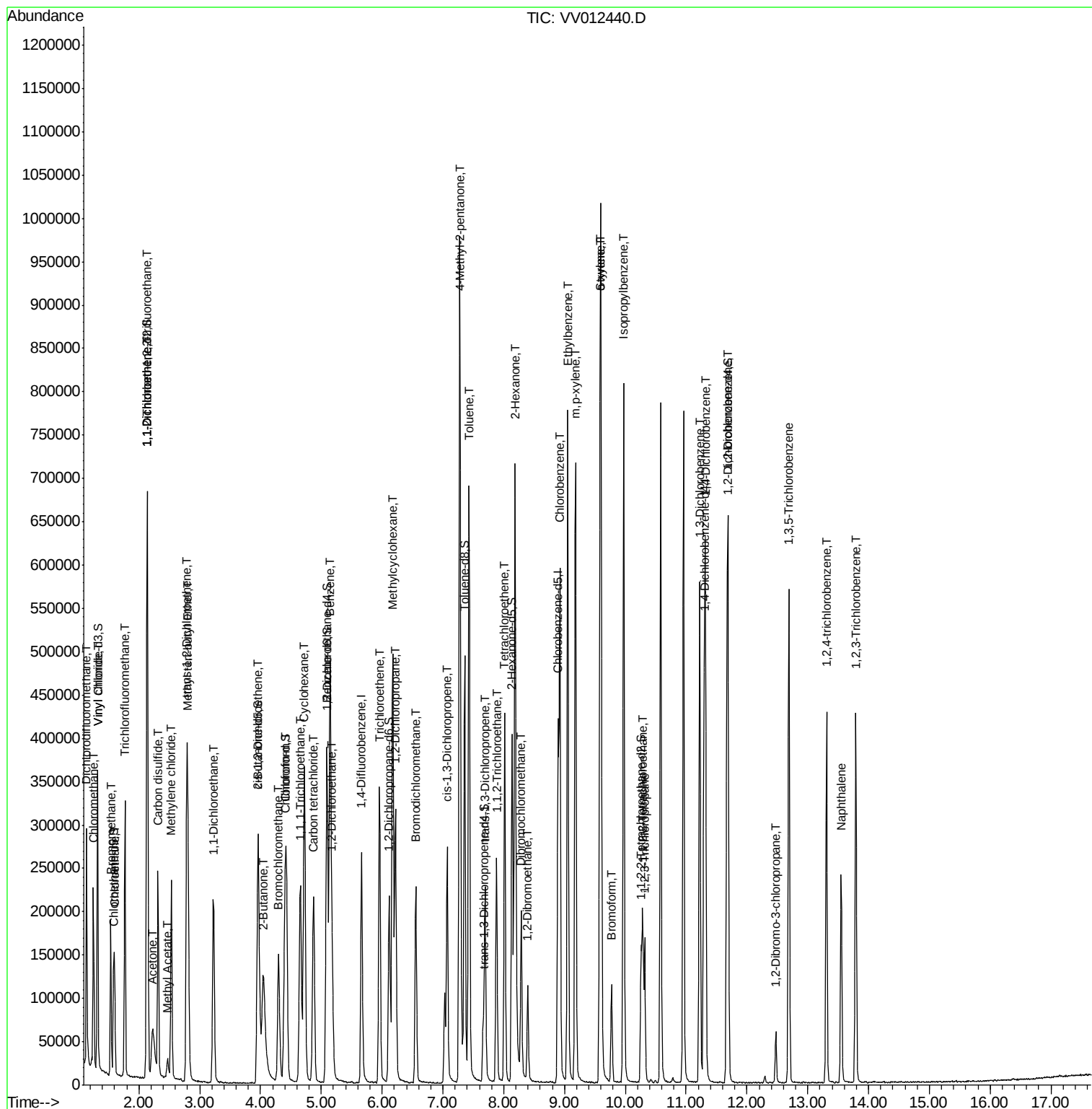
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	496052	5.418	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	122697	5.257	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	77326	5.091	ug/L	100
47) Tetrachloroethene	8.02	164	94524	5.031	ug/L	100
48) 2-Hexanone	8.19	43	510223	57.254	ug/L	100
49) Dibromochloromethane	8.29	129	93266	5.182	ug/L	100
50) 1,2-Dibromoethane	8.40	107	71214	5.181	ug/L	100
51) Chlorobenzene	8.92	112	300488	5.128	ug/L	100
52) Ethylbenzene	9.05	91	521520	5.303	ug/L	100
53) m,p-xylene	9.18	106	199164	5.436	ug/L	100
54) o-xylene	9.59	106	187235	5.326	ug/L	100
55) Styrene	9.60	104	331531	5.607	ug/L	100
56) Isopropylbenzene	9.97	105	505267	5.395	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	93167	5.147	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	65671	5.089	ug/L	100
61) Bromoform	9.77	173	49787	4.900	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	235350	5.134	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	232827	5.075	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	216599	5.057	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	13905	4.658	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	172633	4.906	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	128521	4.726	ug/L	100
69) Naphthalene	13.55	128	185959	4.450	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	126339	4.824	ug/L	100

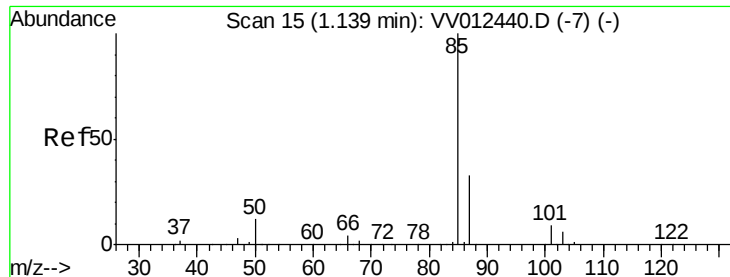
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.929 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012440.D

Acq: 29 Aug 2019 19:13

Instrument :

MSVOA_V

ClientSampleId :

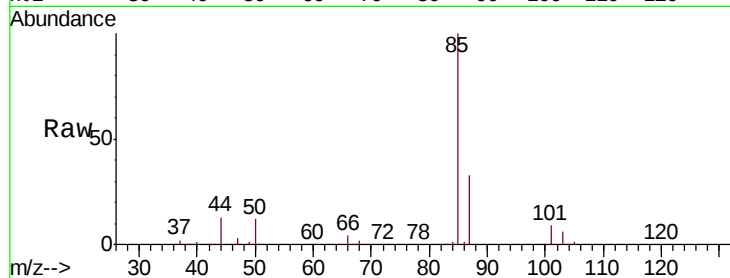
VSTD00531

Tgt Ion: 85.00 Resp: 154873

Ion Ratio Lower Upper

85 100

87 32.9 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV012440.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV012440.D (-7) (-)

1.14

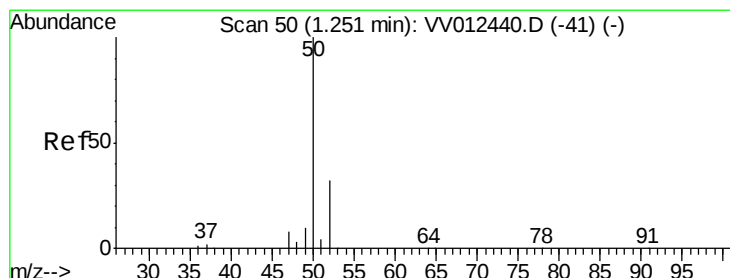
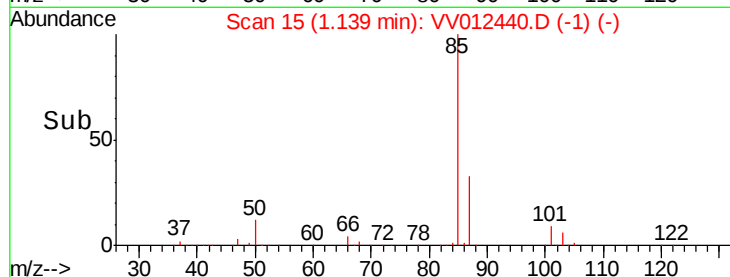
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 5.556 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012440.D

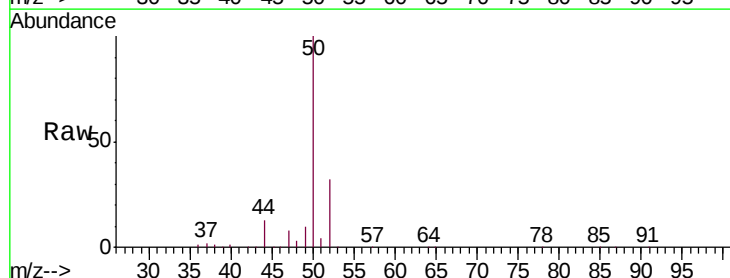
Acq: 29 Aug 2019 19:13

Tgt Ion: 50.00 Resp: 146258

Ion Ratio Lower Upper

50 100

52 32.2 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV012440.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VV012440.D (-41) (-)

1.25

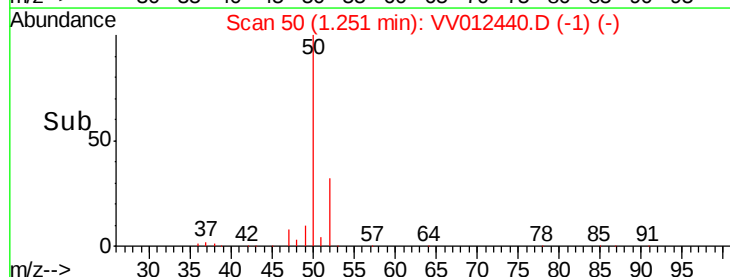
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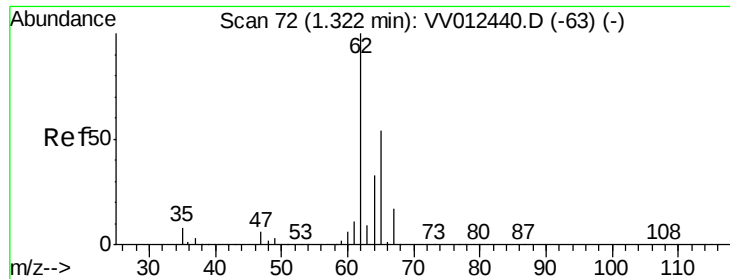
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 5.618 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012440.D

Acq: 29 Aug 2019 19:13

Instrument :

MSVOA_V

ClientSampleId :

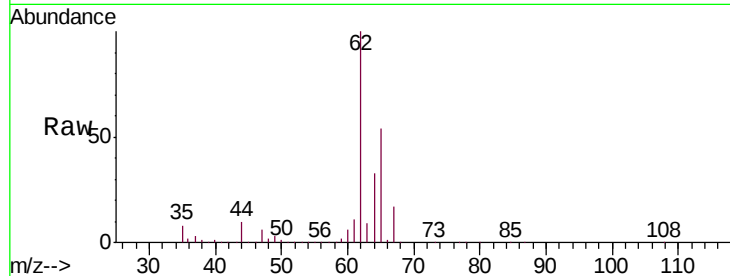
VSTD00531

Tgt Ion: 62 Resp: 136785

Ion Ratio Lower Upper

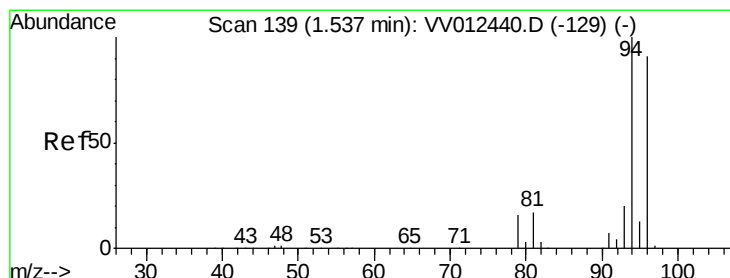
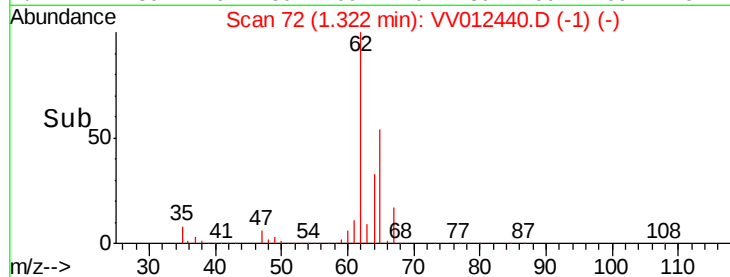
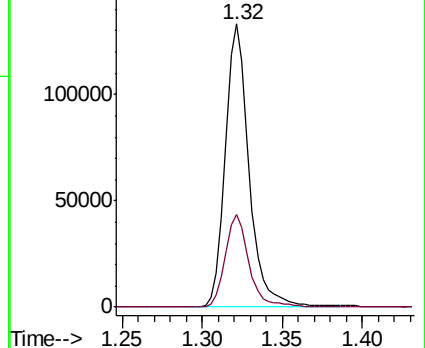
62 100

64 32.5 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.757 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012440.D

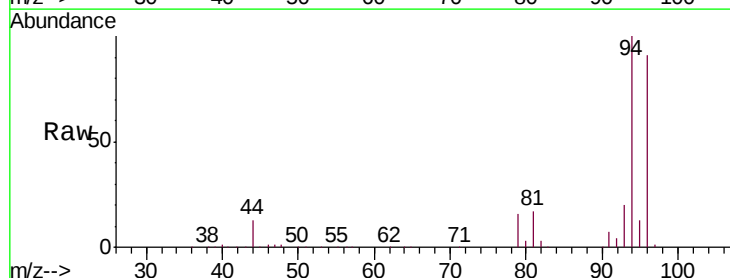
Acq: 29 Aug 2019 19:13

Tgt Ion: 94 Resp: 74165

Ion Ratio Lower Upper

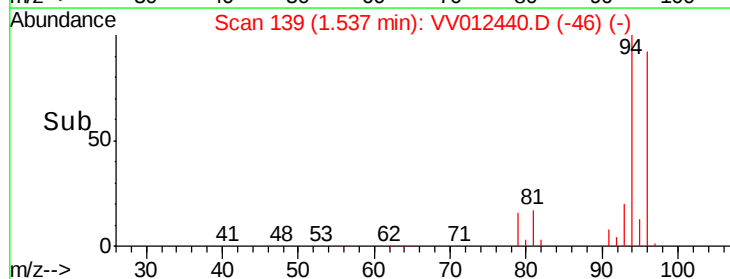
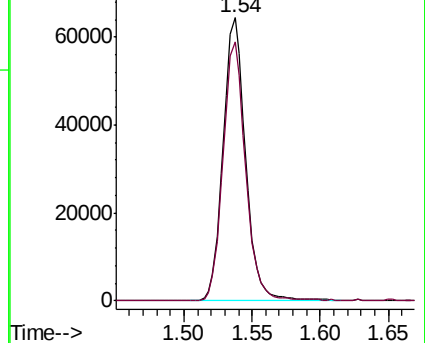
94 100

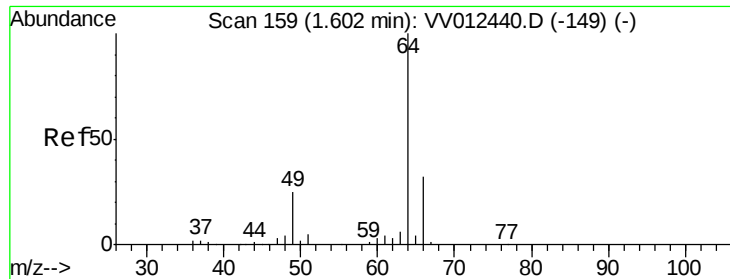
96 91.5 64.0 119.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 5.723 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV012440.D

Acq: 29 Aug 2019 19:13

Instrument :

MSVOA_V

ClientSampleId :

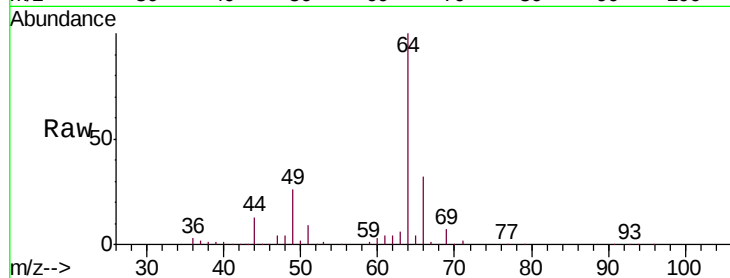
VSTD00531

Tgt Ion: 64 Resp: 73613

Ion Ratio Lower Upper

64 100

66 32.1 22.5 41.7



Abundance Ion 64.10 (63.80 to 64.80): VV012440.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV012440.D (-149) (-)

1.60

60000

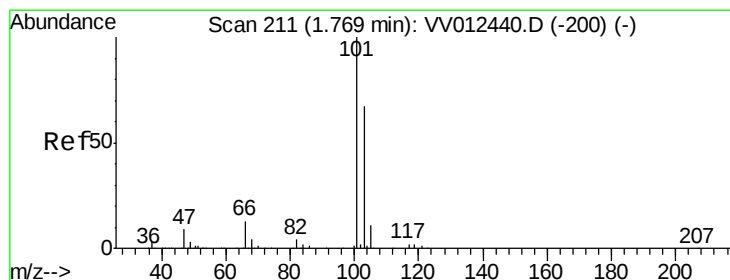
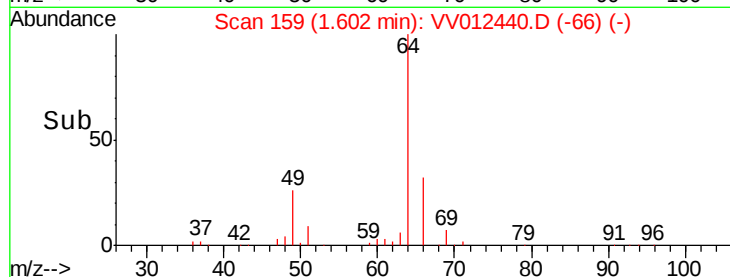
40000

20000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 5.433 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV012440.D

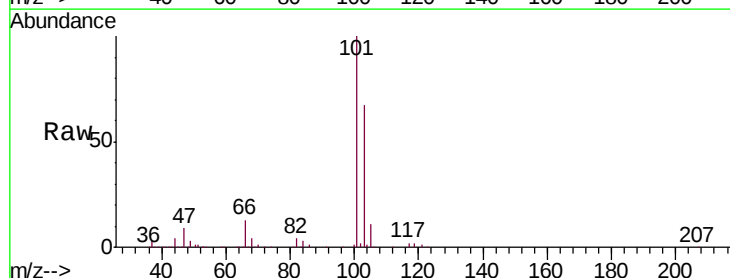
Acq: 29 Aug 2019 19:13

Tgt Ion: 101 Resp: 180465

Ion Ratio Lower Upper

101 100

103 66.2 53.0 79.4



Abundance Ion 101.00 (100.70 to 101.70): VV012440.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV012440.D (-200) (-)

1.77

150000

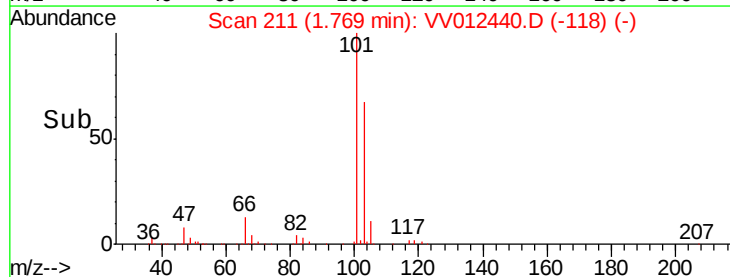
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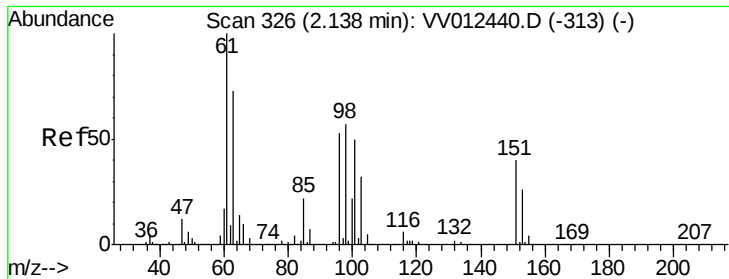
50000

0

1.70 1.75 1.80

Time-->





#10

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

Concen: 5.568 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012440.D

Acq: 29 Aug 2019 19:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00531

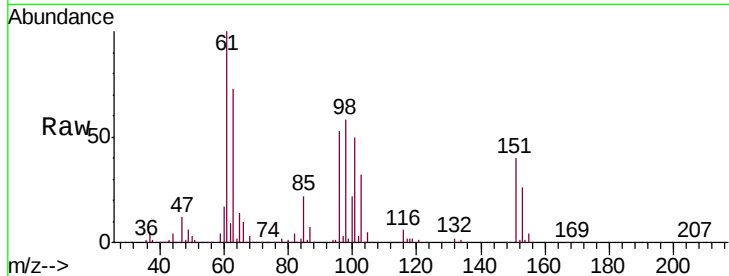
Tgt Ion: 101 Resp: 90251

Ion Ratio Lower Upper

101 100

85 44.3 35.4 53.2

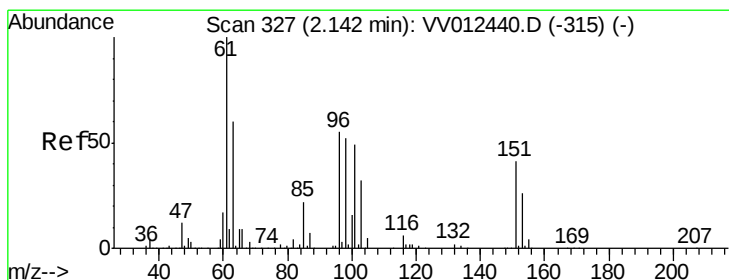
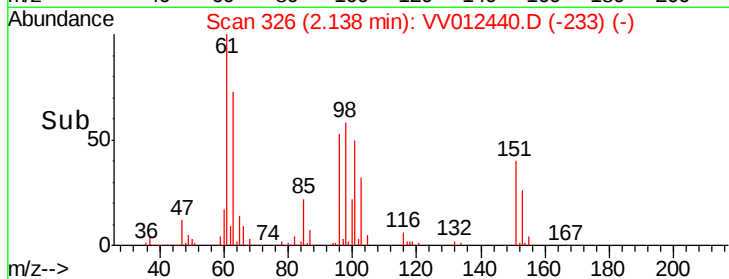
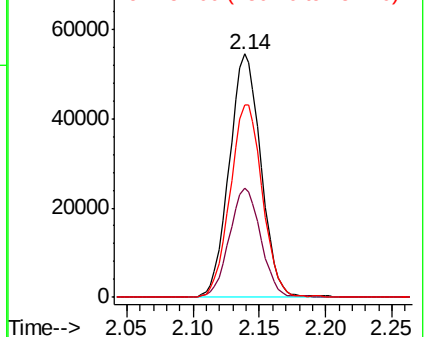
151 80.5 64.4 96.6



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: 5.401 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012440.D

Acq: 29 Aug 2019 19:13

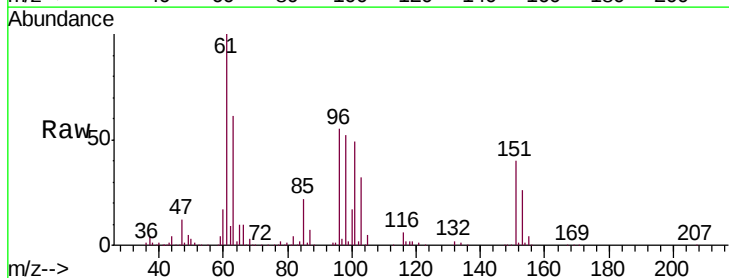
Tgt Ion: 96 Resp: 83285

Ion Ratio Lower Upper

96 100

61 182.6 127.8 237.4

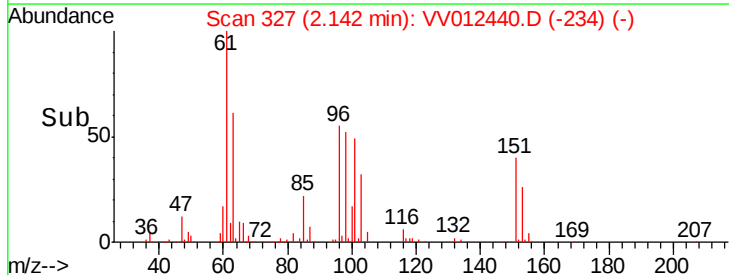
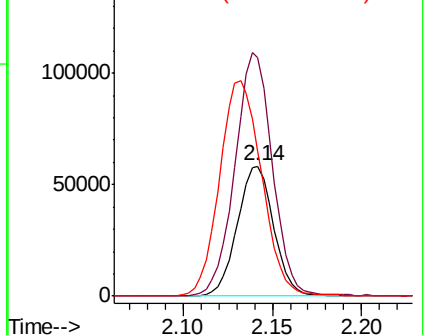
63 111.7 78.2 145.2

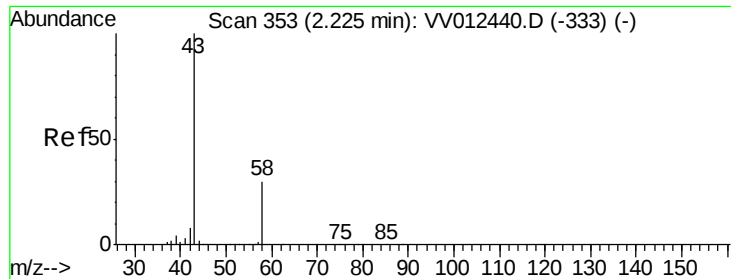


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 56.313 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.00 min

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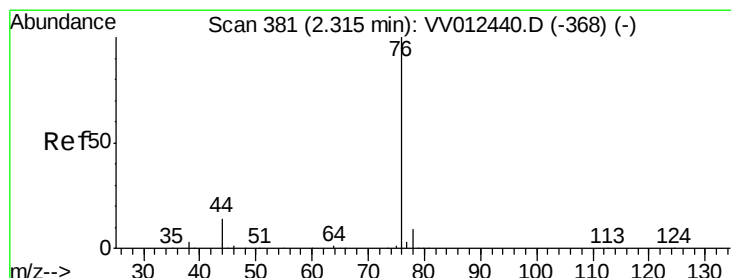
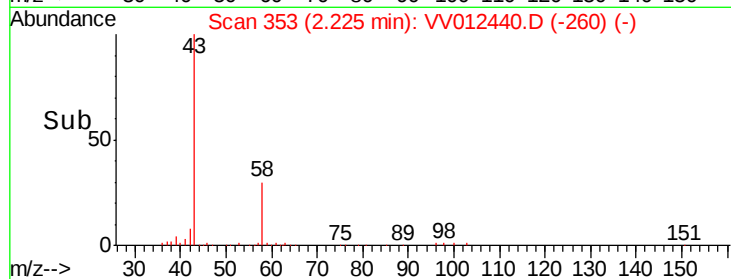
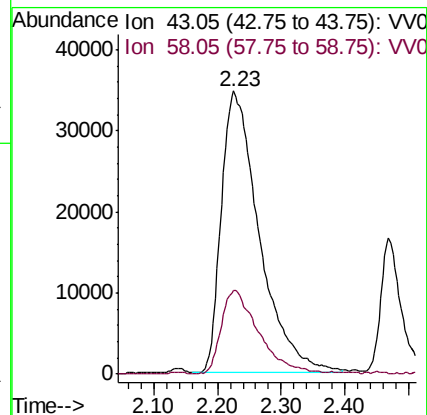
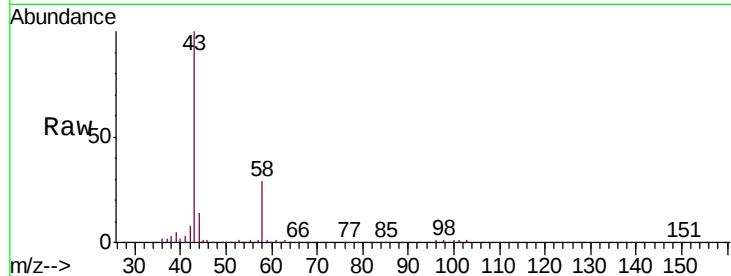
VSTD00531

Tgt Ion: 43 Resp: 144691

Ion Ratio Lower Upper

43 100

58 28.4 0.0 56.8



#14

Carbon disulfide

Concen: 5.508 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012440.D

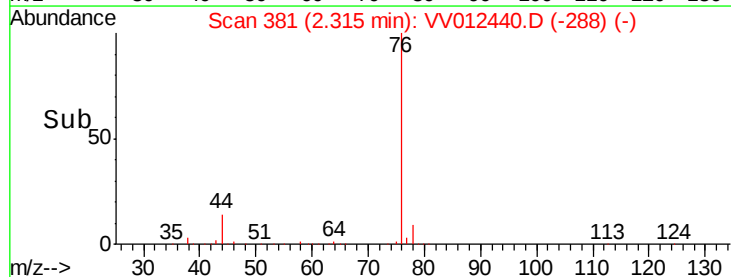
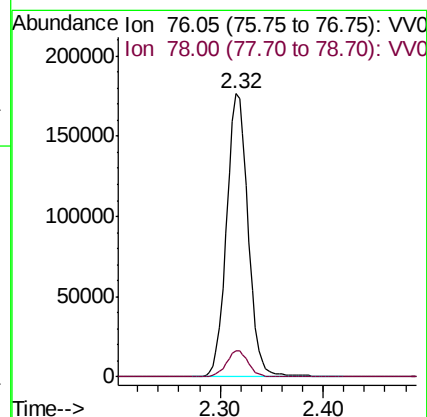
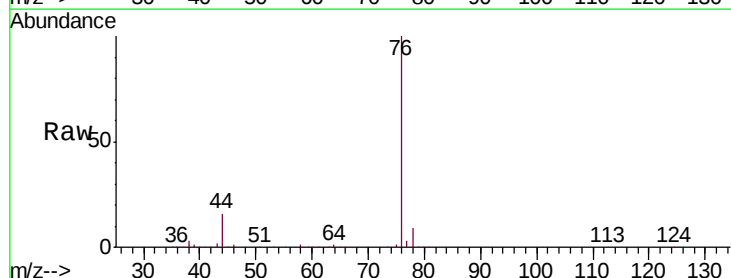
Acq: 29 Aug 2019 19:13

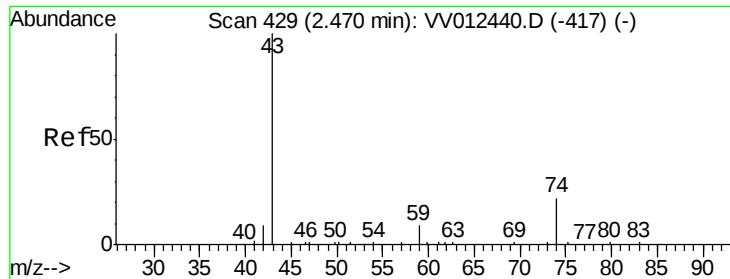
Tgt Ion: 76 Resp: 257210

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8





#15

Methyl Acetate

Concen: 5.866 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VV012440.D

Acq: 29 Aug 2019 19:13

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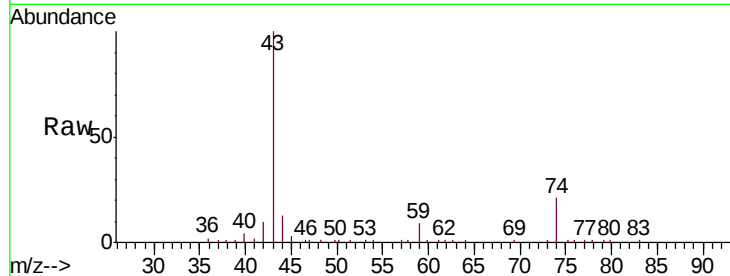
VSTD00531

Tgt Ion: 43 Resp: 36916

Ion Ratio Lower Upper

43 100

74 22.6 18.1 27.1



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.47

15000

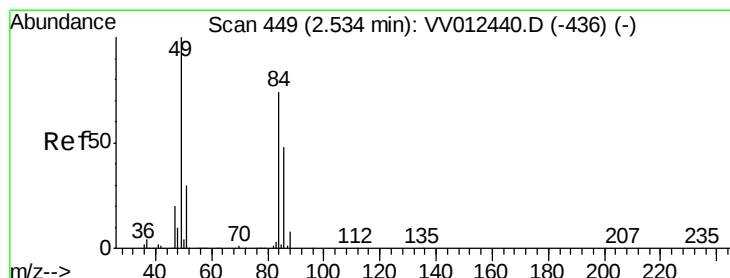
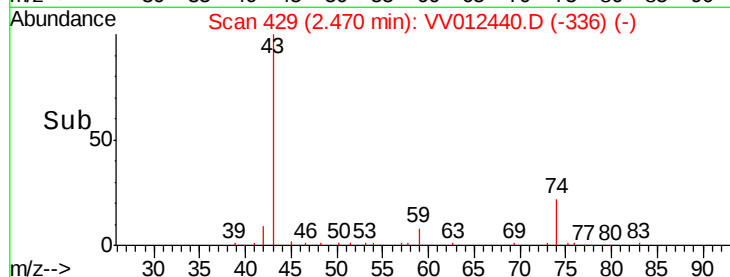
10000

5000

0

Time-->

2.40 2.50 2.60



#16

Methylene chloride

Concen: 5.276 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV012440.D

Acq: 29 Aug 2019 19:13

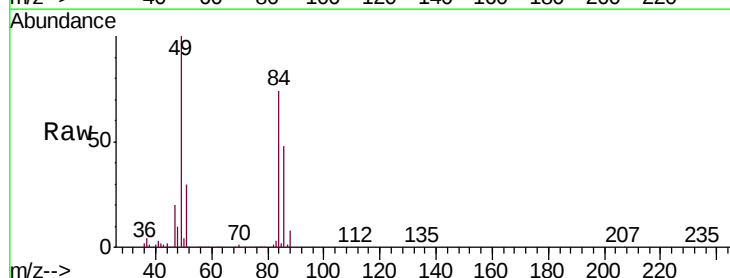
Tgt Ion: 84 Resp: 88343

Ion Ratio Lower Upper

84 100

86 64.6 45.2 84.0

49 135.9 95.1 176.7



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

100000

80000

60000

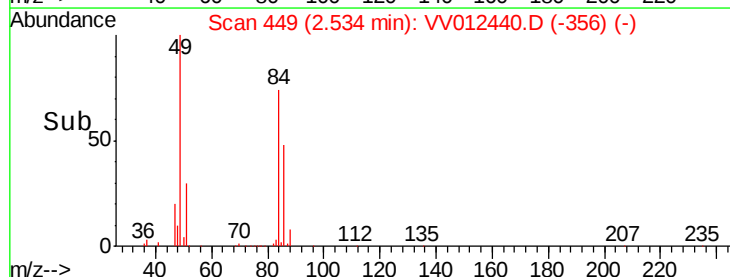
40000

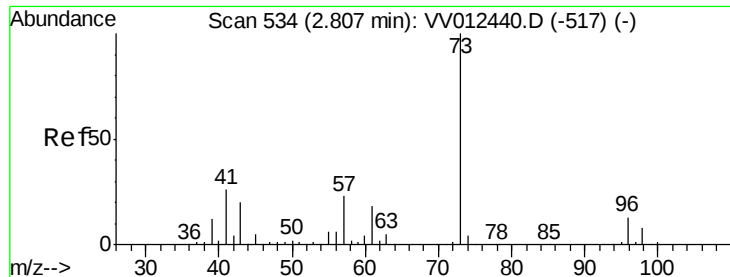
20000

0

Time-->

2.45 2.50 2.55 2.60 2.65

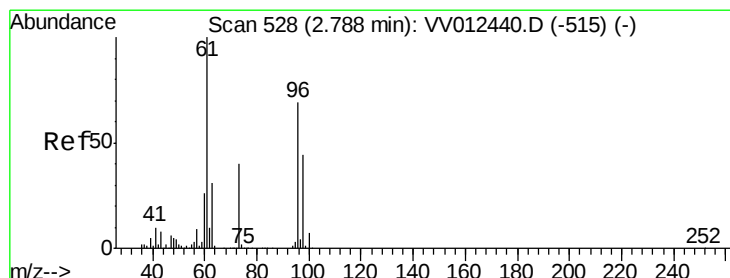
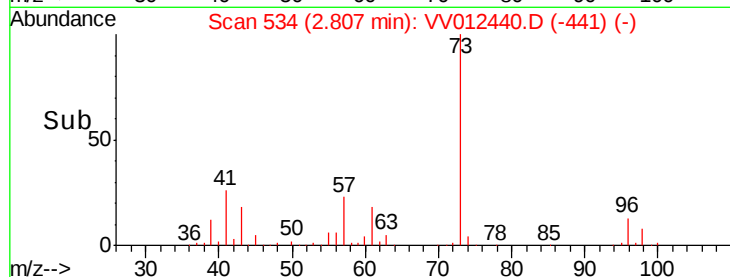
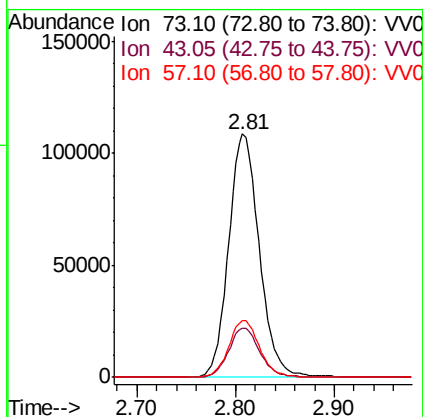
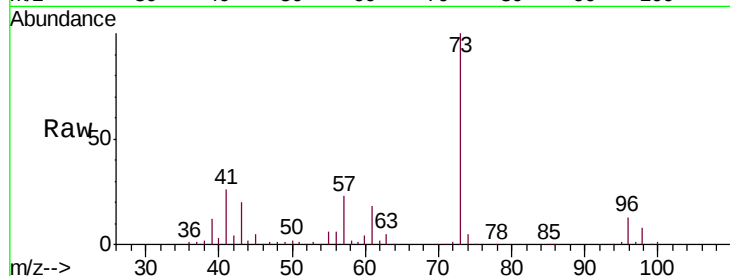




#17
Methyl tert-butyl Ether
Concen: 5.146 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV012440.D
Acq: 29 Aug 2019 19:13

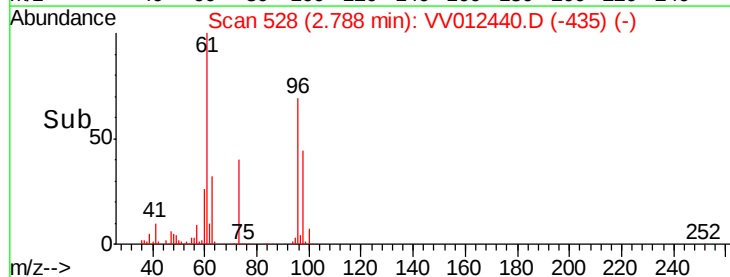
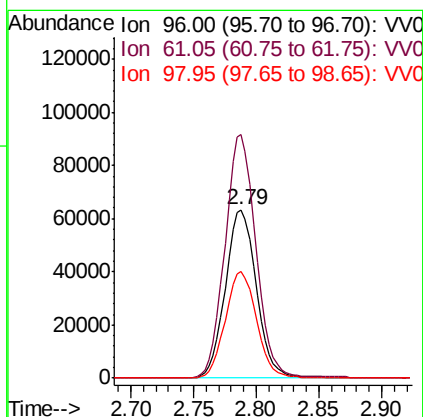
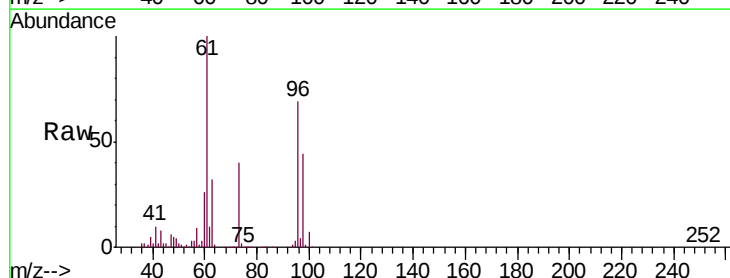
Instrument :
MSVOA_V
ClientSampleId :
VSTD00531

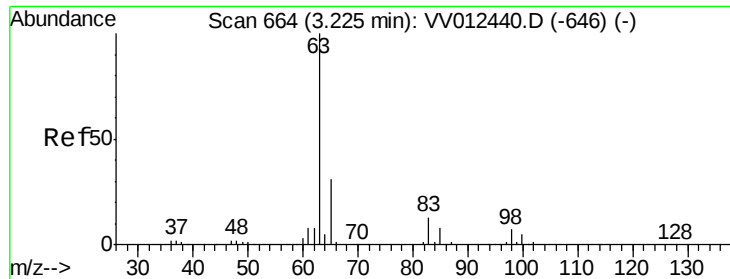
Tgt Ion:	73	Resp:	235767
Ion	Ratio	Lower	Upper
73	100		
43	20.1	16.1	24.1
57	23.5	18.8	28.2



#18
trans-1,2-Dichloroethene
Concen: 5.159 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV012440.D
Acq: 29 Aug 2019 19:13

Tgt Ion:	96	Resp:	108938
Ion	Ratio	Lower	Upper
96	100		
61	144.6	101.2	188.0
98	63.0	44.1	81.9





#19

1,1-Dichloroethane

Concen: 5.155 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV012440.D

Acq: 29 Aug 2019 19:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00531

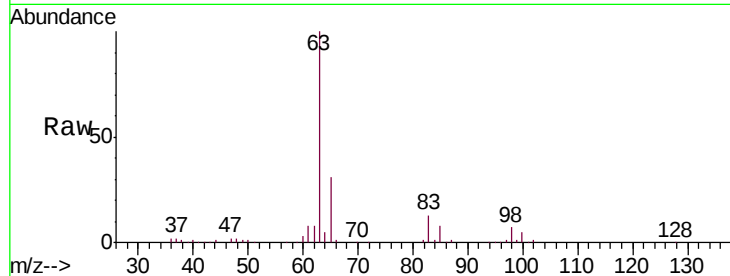
Tgt Ion: 63 Resp: 213785

Ion Ratio Lower Upper

63 100

65 30.9 21.6 40.2

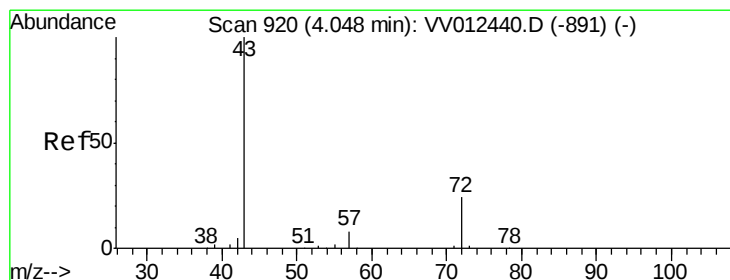
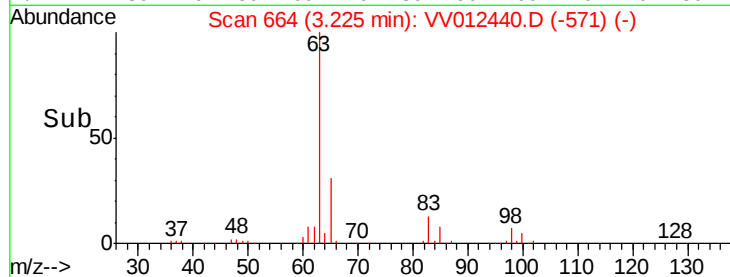
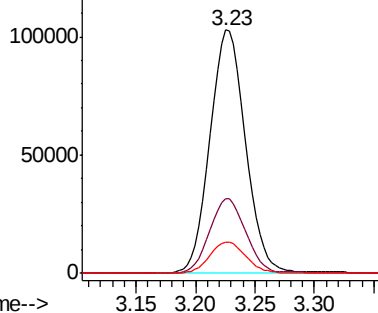
83 12.9 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VV012440.D (-646) (-)

Ion 65.10 (64.80 to 65.80): VV012440.D (-646) (-)

Ion 83.05 (82.75 to 83.75): VV012440.D (-646) (-)



#21

2-Butanone

Concen: 54.361 ug/L

RT: 4.05 min Scan# 920

Delta R.T. 0.00 min

Lab File: VV012440.D

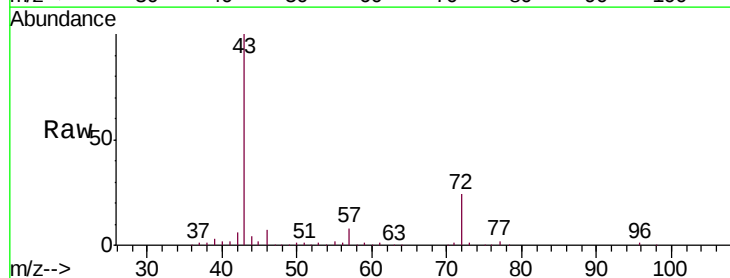
Acq: 29 Aug 2019 19:13

Tgt Ion: 43 Resp: 284786

Ion Ratio Lower Upper

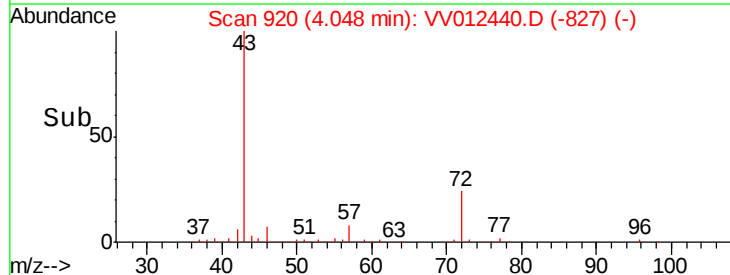
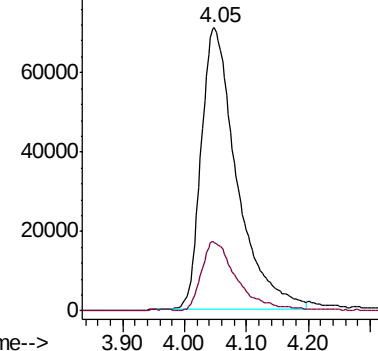
43 100

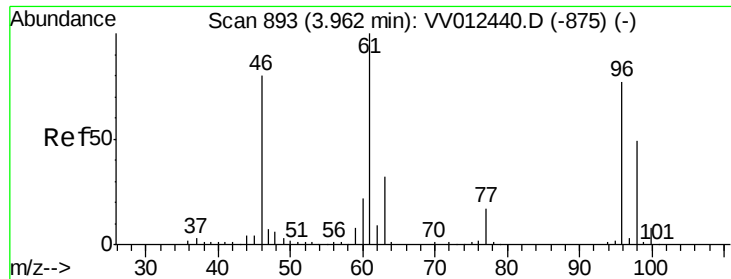
72 23.5 11.8 35.3



Abundance Ion 43.05 (42.75 to 43.75): VV012440.D (-891) (-)

Ion 72.10 (71.80 to 72.80): VV012440.D (-891) (-)



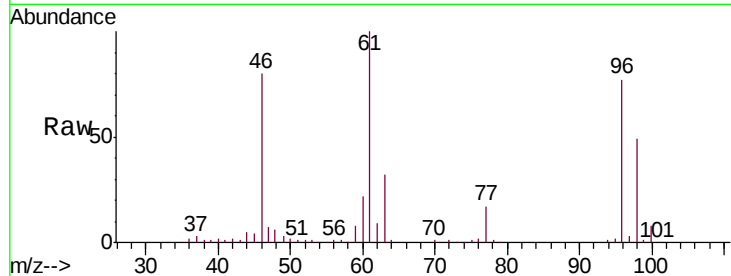


#22

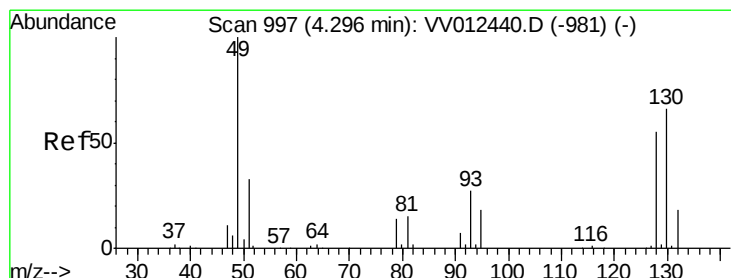
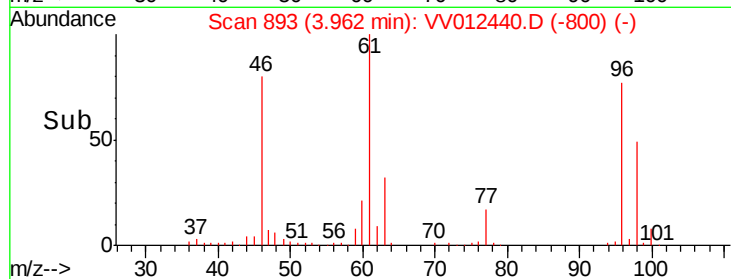
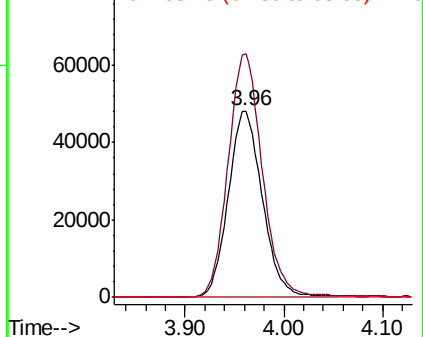
cis-1,2-Dichloroethene
 Concen: 5.128 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV012440.D
 Acq: 29 Aug 2019 19:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00531

Tgt Ion: 96 Resp: 115996
 Ion Ratio Lower Upper
 96 100
 61 130.7 91.5 169.9
 68 0.0 0.0 0.0



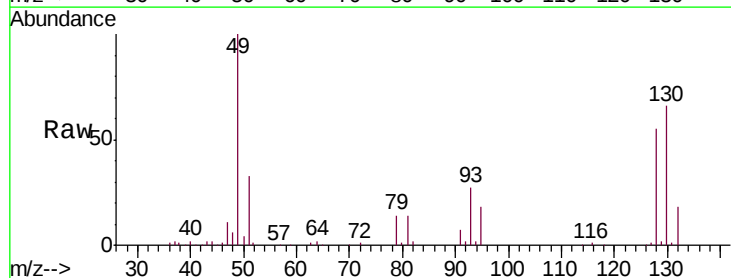
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



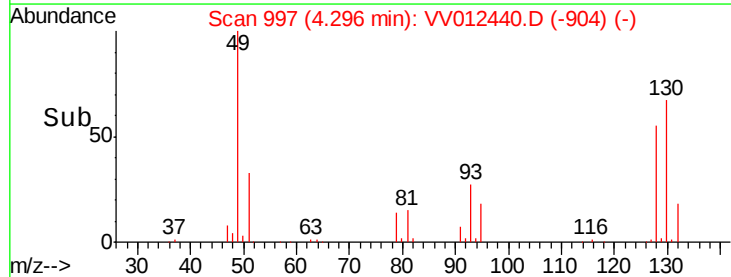
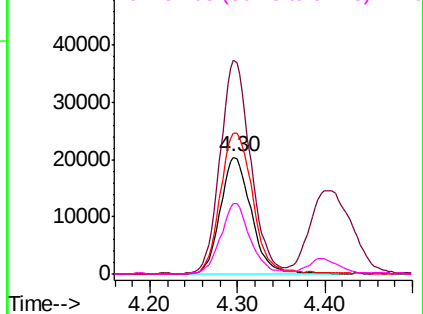
#23

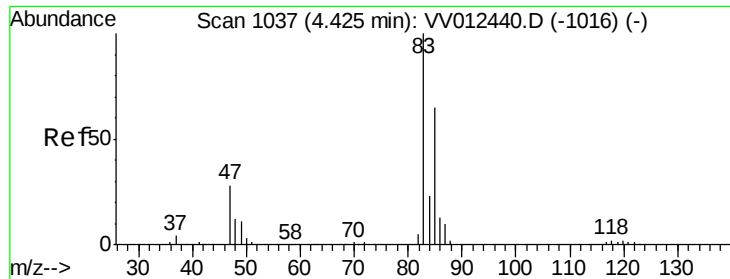
Bromochloromethane
 Concen: 5.242 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV012440.D
 Acq: 29 Aug 2019 19:13

Tgt Ion: 128 Resp: 50125
 Ion Ratio Lower Upper
 128 100
 49 182.5 127.7 237.3
 130 120.1 84.1 156.1
 51 60.0 48.0 72.0



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

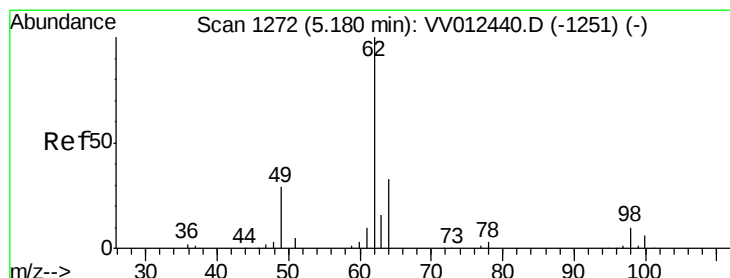
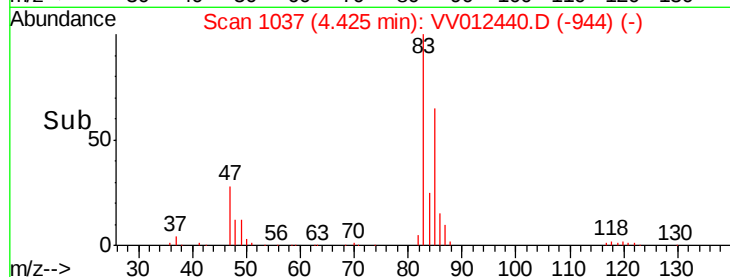
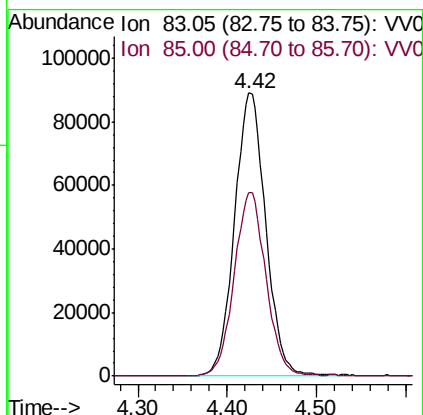
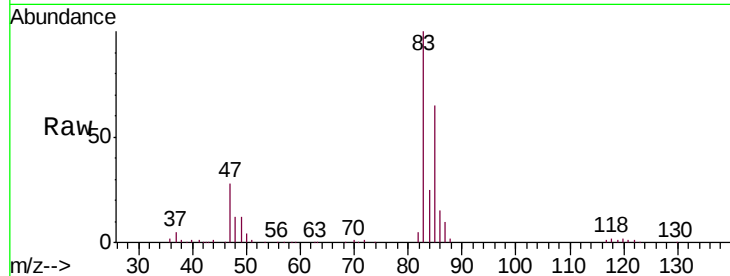




#25
Chloroform
Concen: 4.991 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012440.D
Acq: 29 Aug 2019 19:13

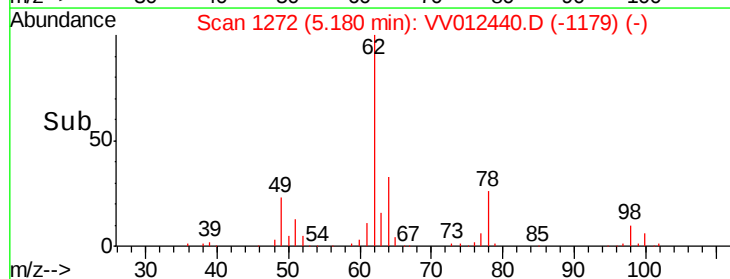
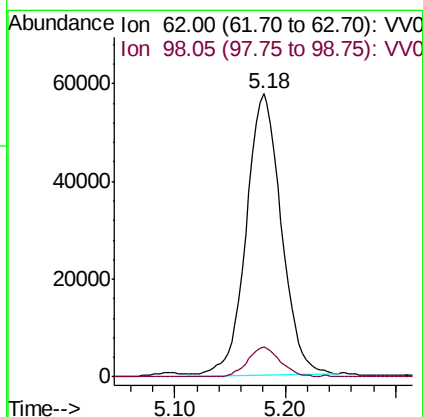
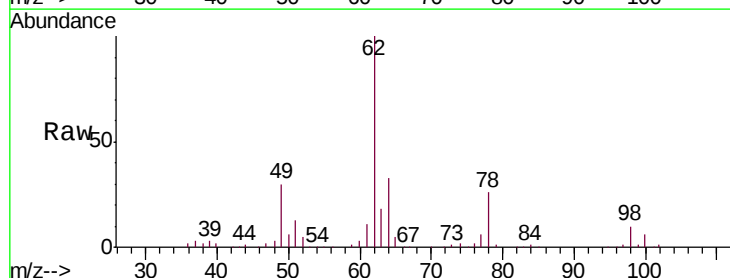
Instrument :
MSVOA_V
ClientSampleId :
VSTD00531

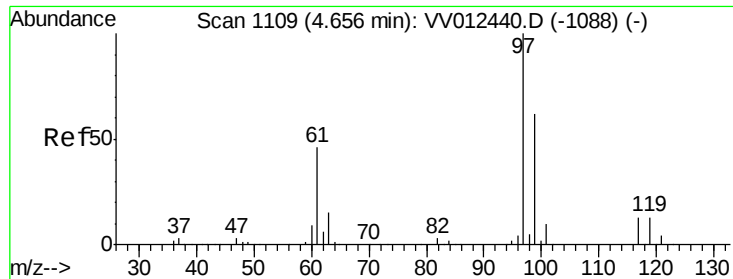
Tgt Ion: 83 Resp: 215842
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 5.208 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012440.D
Acq: 29 Aug 2019 19:13

Tgt Ion: 62 Resp: 127016
Ion Ratio Lower Upper
62 100
98 10.4 8.3 12.5

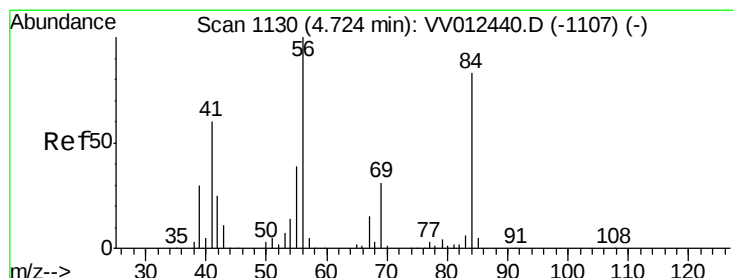
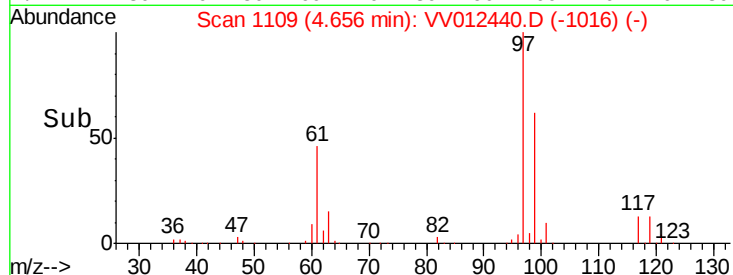
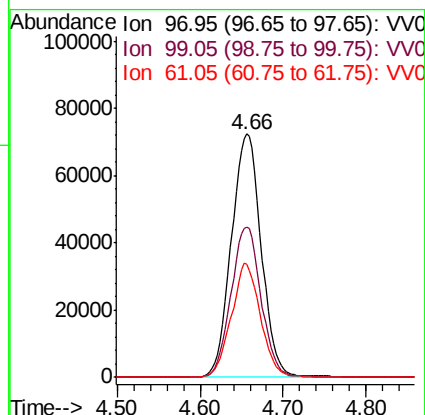
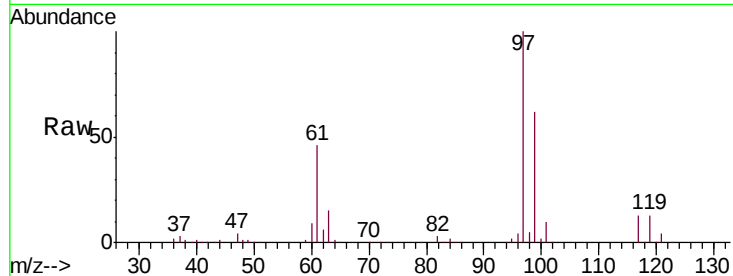




#29
 1,1,1-Trichloroethane
 Concen: 5.162 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV012440.D
 Acq: 29 Aug 2019 19:13

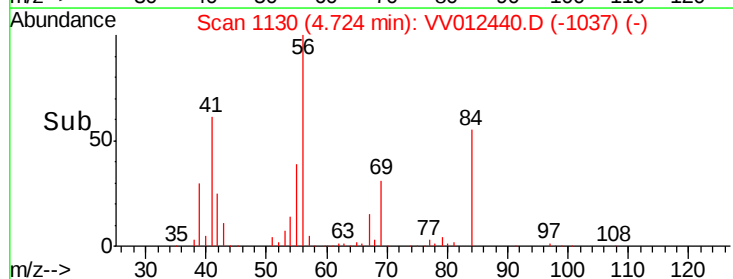
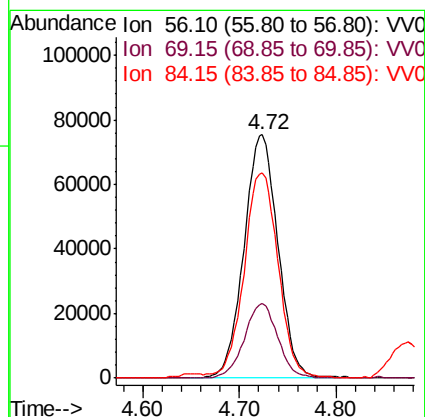
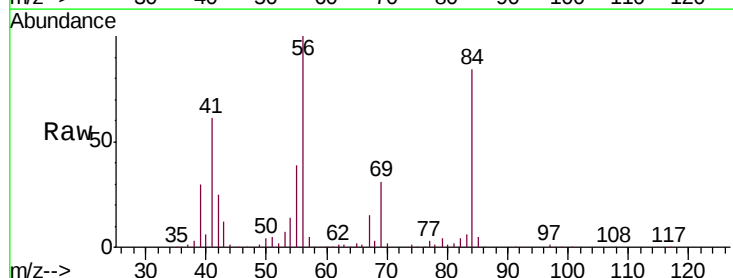
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00531

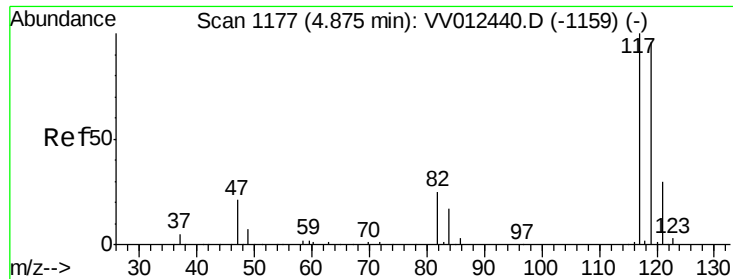
Tgt Ion: 97 Resp: 181764
 Ion Ratio Lower Upper
 97 100
 99 62.2 49.8 74.6
 61 45.9 36.7 55.1



#30
 Cyclohexane
 Concen: 5.145 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV012440.D
 Acq: 29 Aug 2019 19:13

Tgt Ion: 56 Resp: 184060
 Ion Ratio Lower Upper
 56 100
 69 30.5 24.4 36.6
 84 84.7 67.8 101.6





#31

Carbon tetrachloride

Concen: 5.058 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012440.D

Acq: 29 Aug 2019 19:13

Instrument :

MSVOA_V

ClientSampleId :

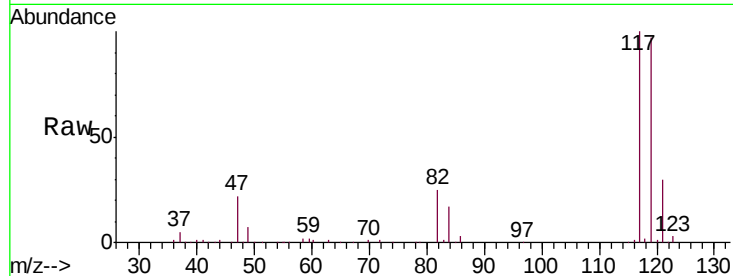
VSTD00531

Tgt Ion:117 Resp: 156404

Ion Ratio Lower Upper

117 100

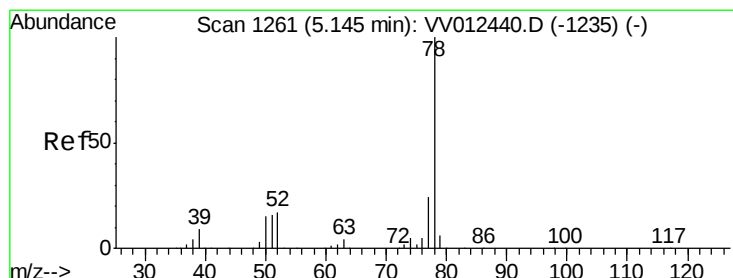
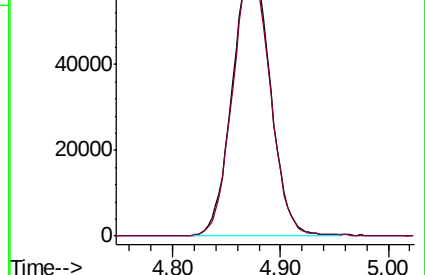
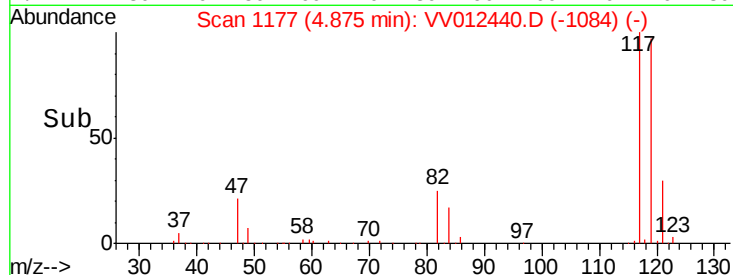
119 97.3 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87



#33

Benzene

Concen: 5.273 ug/L

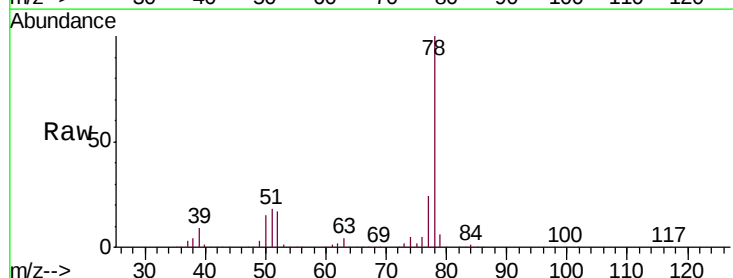
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV012440.D

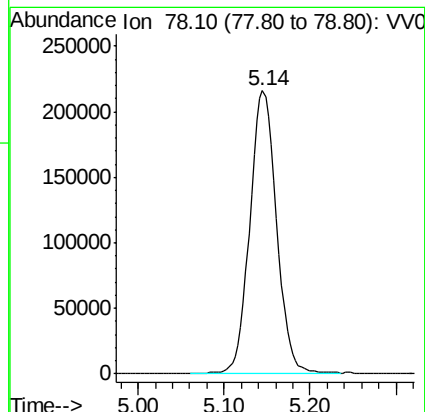
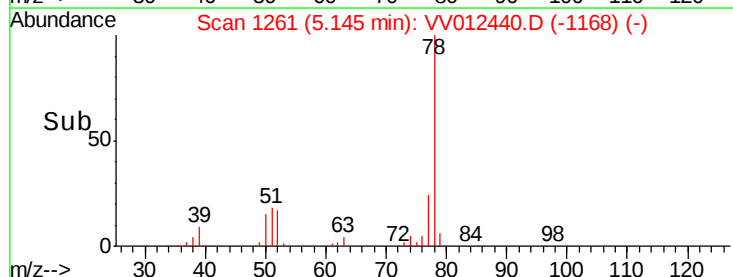
Acq: 29 Aug 2019 19:13

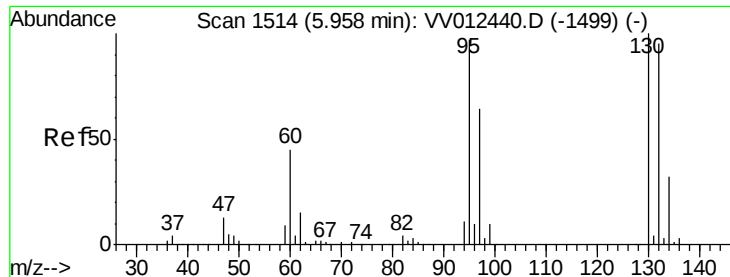
Tgt Ion: 78 Resp: 469421



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14





#34

Trichloroethene

Concen: 5.097 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012440.D

Acq: 29 Aug 2019 19:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00531

Tgt Ion: 95 Resp: 117571

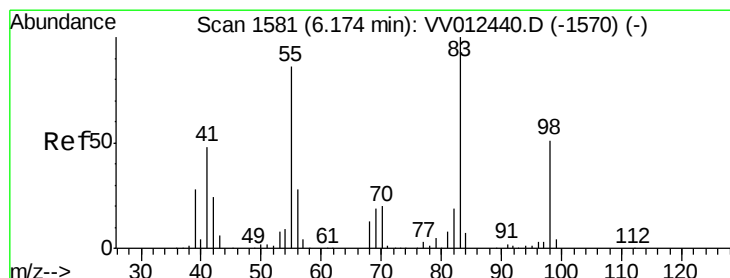
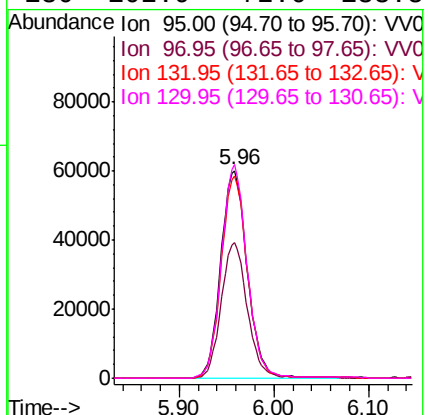
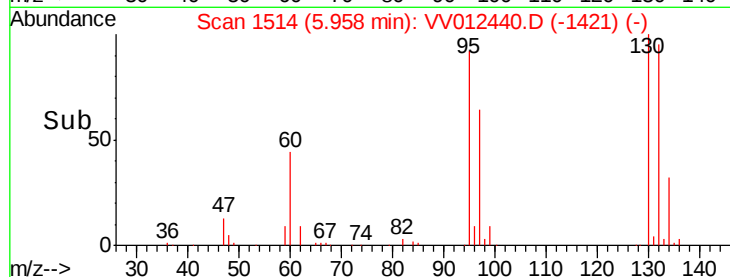
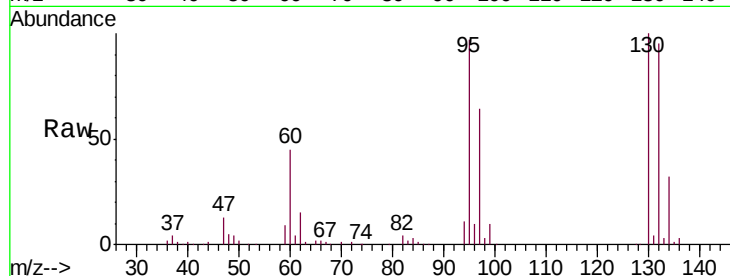
Ion Ratio Lower Upper

95 100

97 65.5 45.8 85.2

132 97.6 68.3 126.9

130 102.9 72.0 133.8



#35

Methylcyclohexane

Concen: 5.194 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV012440.D

Acq: 29 Aug 2019 19:13

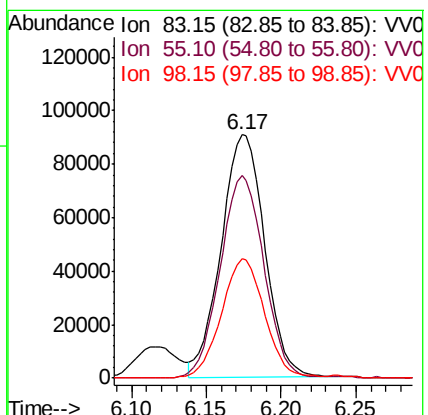
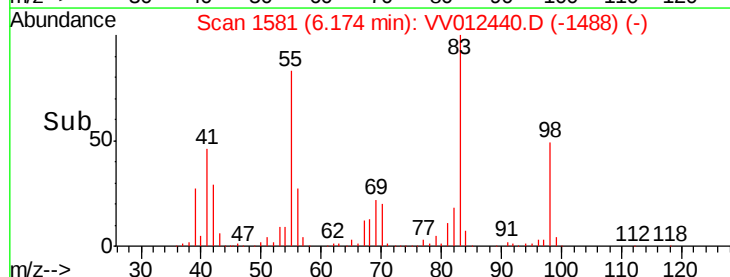
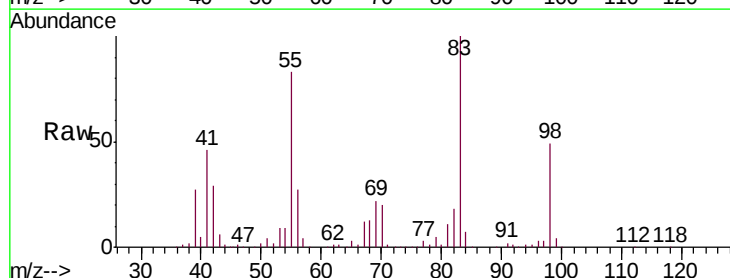
Tgt Ion: 83 Resp: 183585

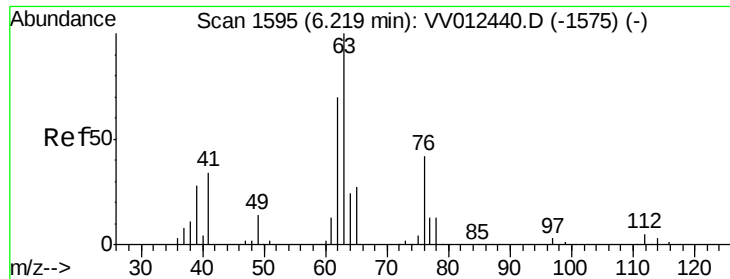
Ion Ratio Lower Upper

83 100

55 84.7 67.8 101.6

98 49.0 39.2 58.8

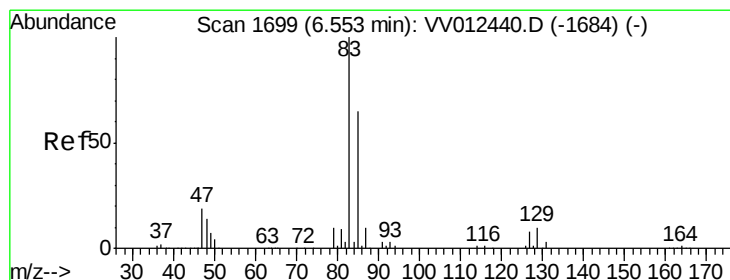
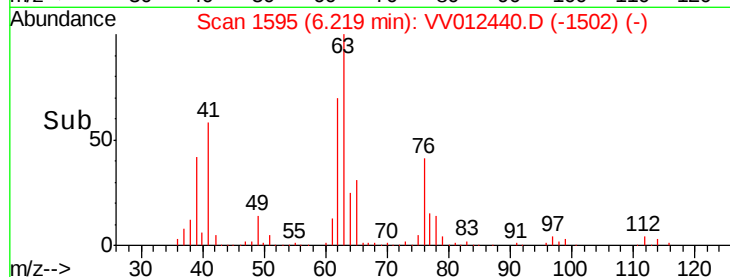
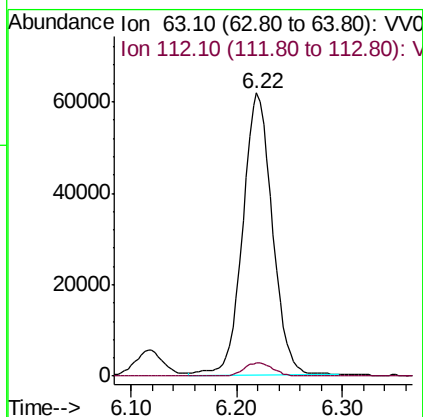
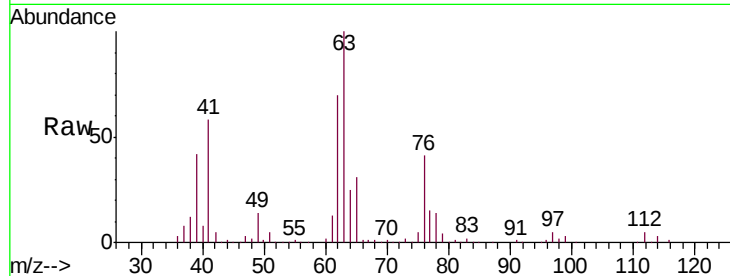




#37
 1,2-Dichloropropane
 Concen: 5.319 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012440.D
 Acq: 29 Aug 2019 19:13

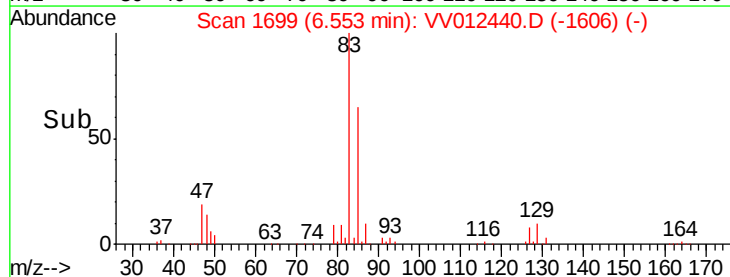
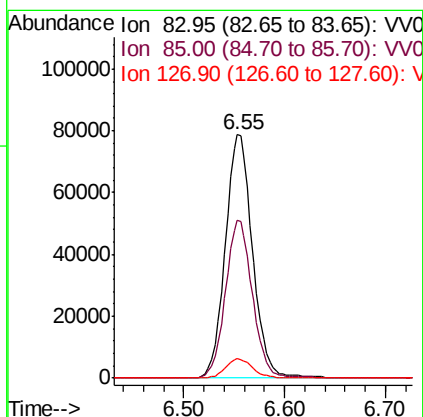
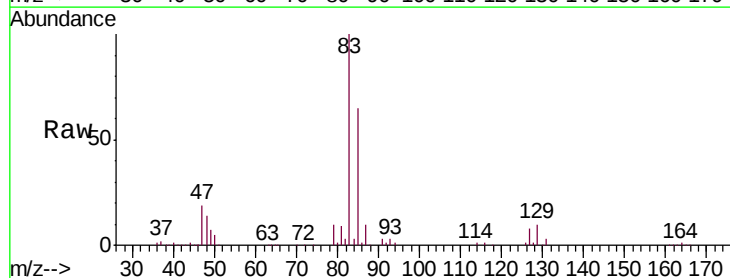
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00531

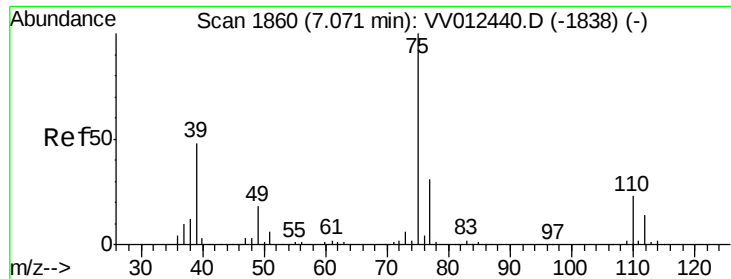
Tgt Ion: 63 Resp: 120690
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.7 5.5



#38
 Bromodichloromethane
 Concen: 5.095 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012440.D
 Acq: 29 Aug 2019 19:13

Tgt Ion: 83 Resp: 148478
 Ion Ratio Lower Upper
 83 100
 85 64.9 45.4 84.4
 127 8.0 6.4 9.6

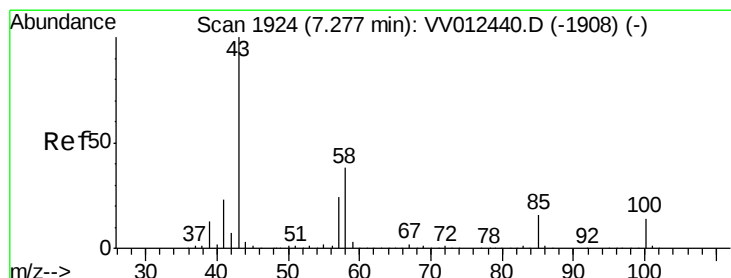
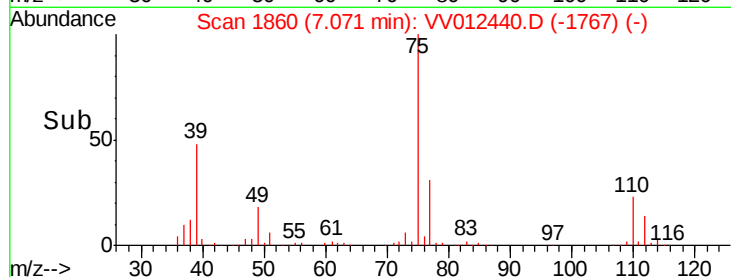
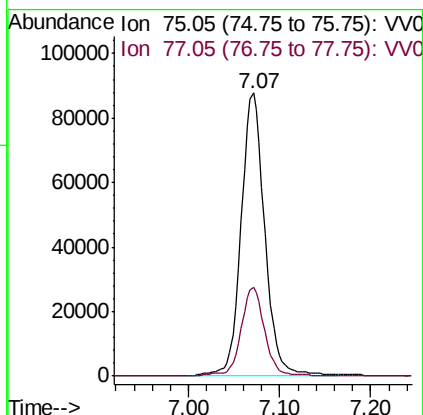
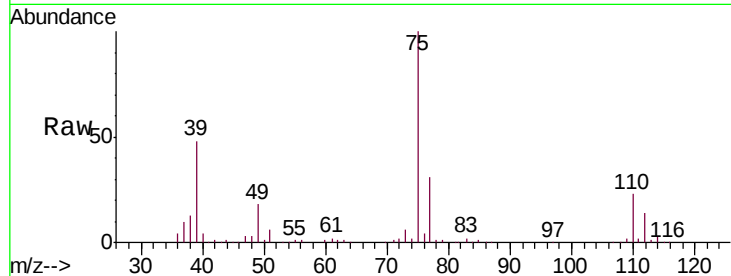




#39
 cis-1,3-Dichloropropene
 Concen: 5.324 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012440.D
 Acq: 29 Aug 2019 19:13

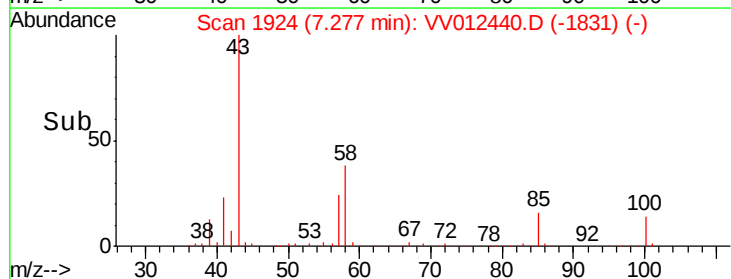
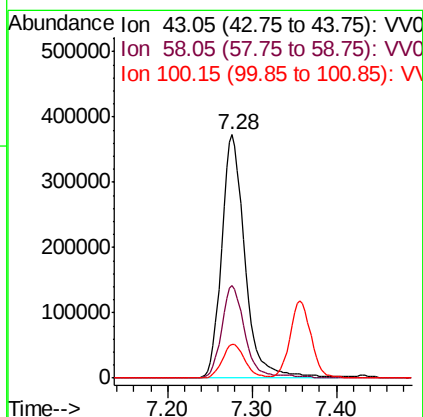
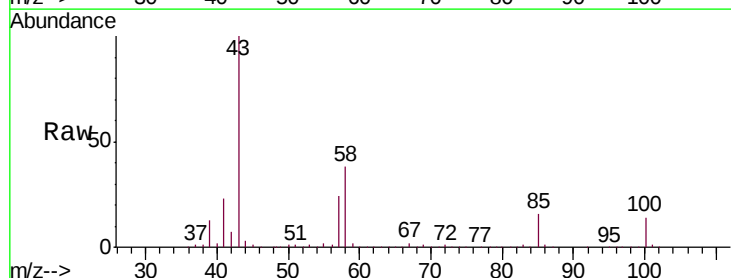
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00531

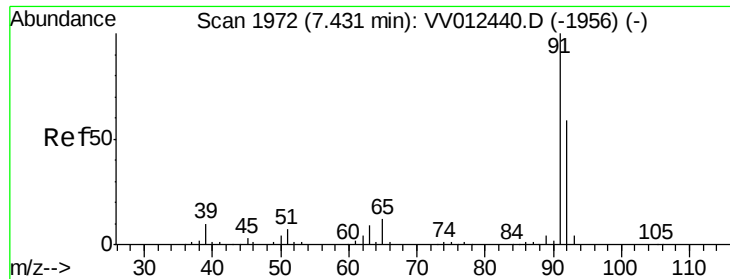
Tgt Ion: 75 Resp: 159509
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 55.394 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV012440.D
 Acq: 29 Aug 2019 19:13

Tgt Ion: 43 Resp: 716652
 Ion Ratio Lower Upper
 43 100
 58 37.1 29.7 44.5
 100 13.5 10.8 16.2





#42

Toluene

Concen: 5.418 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012440.D

Acq: 29 Aug 2019 19:13

Instrument :

MSVOA_V

ClientSampleId :

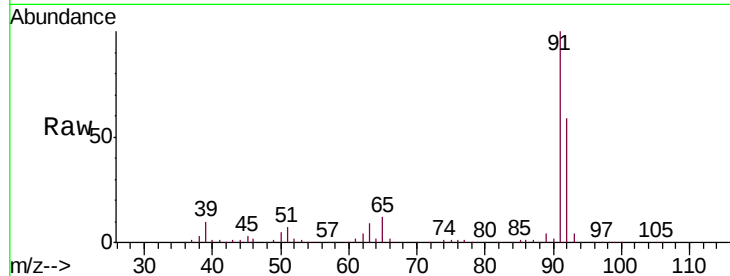
VSTD00531

Tgt Ion: 91 Resp: 496052

Ion Ratio Lower Upper

91 100

92 58.9 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

300000

250000

200000

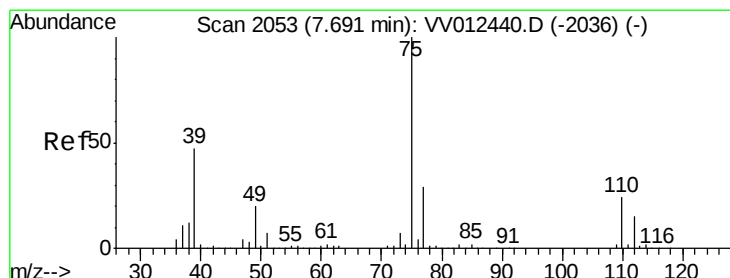
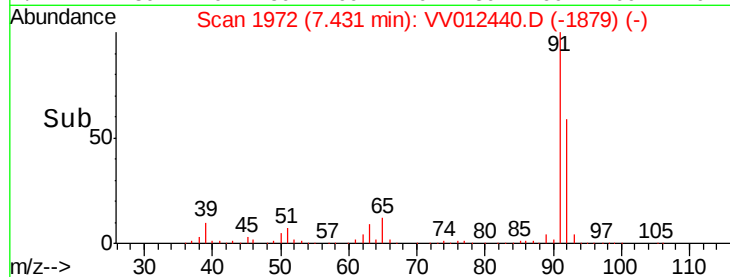
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.257 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012440.D

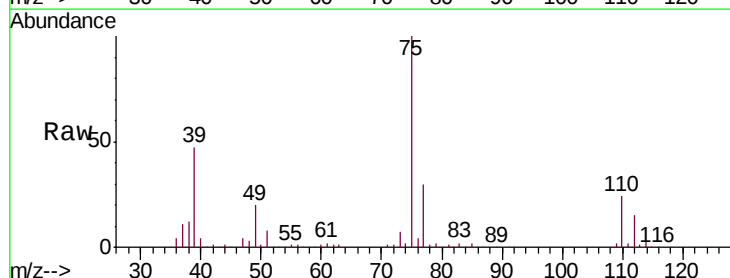
Acq: 29 Aug 2019 19:13

Tgt Ion: 75 Resp: 122697

Ion Ratio Lower Upper

75 100

77 29.5 20.6 38.4



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

80000

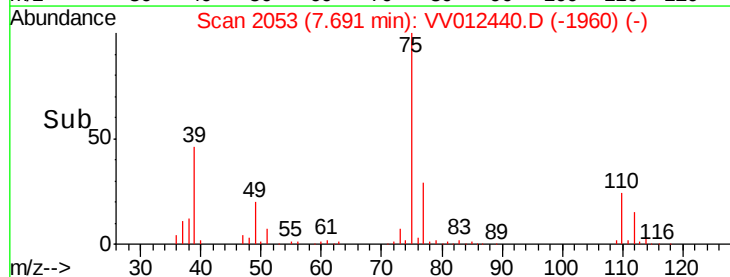
60000

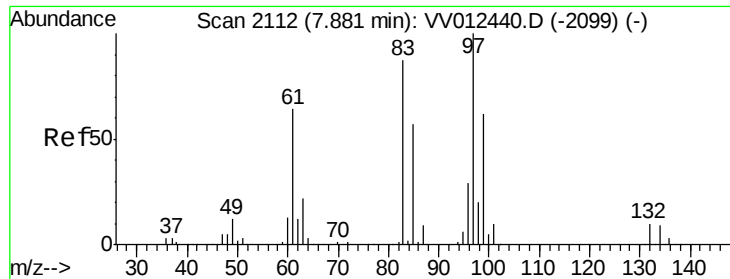
40000

20000

0

Time-->

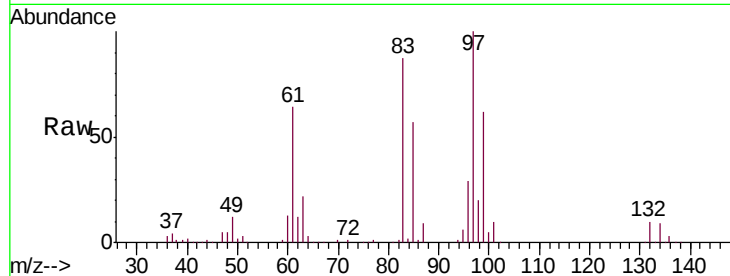




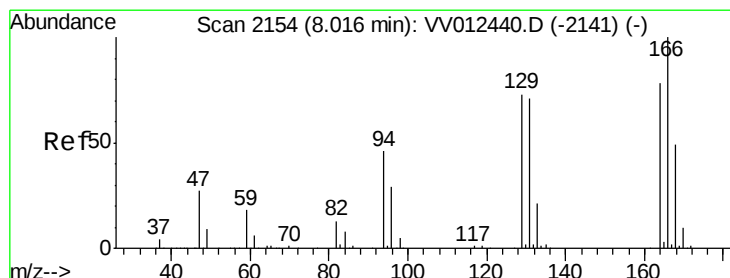
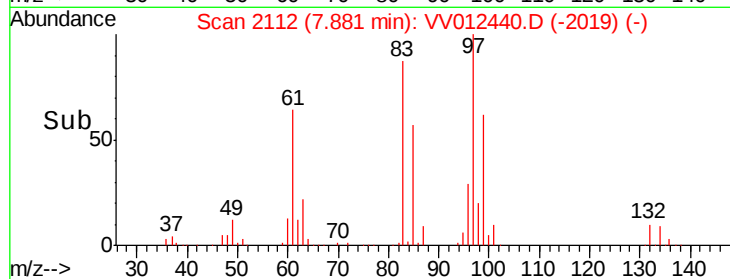
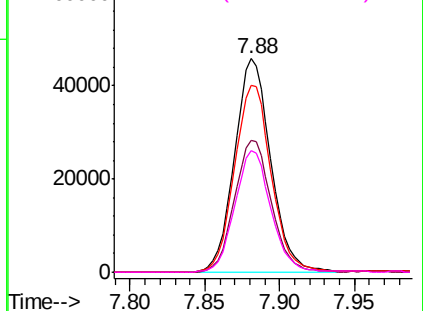
#45
 1,1,2-Trichloroethane
 Concen: 5.091 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012440.D
 Acq: 29 Aug 2019 19:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00531

Tgt Ion:	97	Resp:	77326
Ion	Ratio	Lower	Upper
97	100		
99	61.8	43.3	80.3
83	87.4	61.2	113.6
85	57.2	40.0	74.4

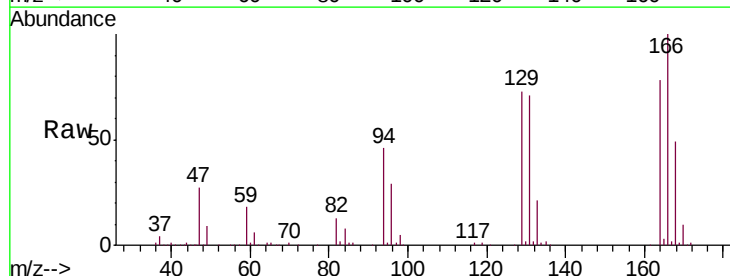


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

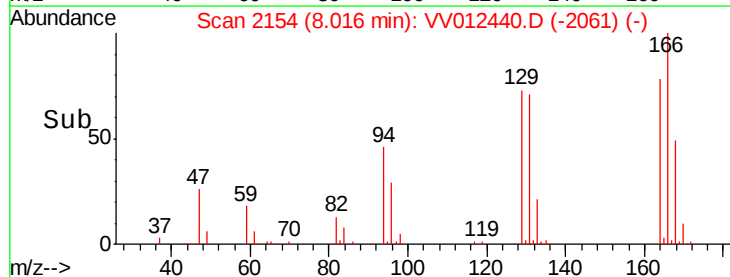
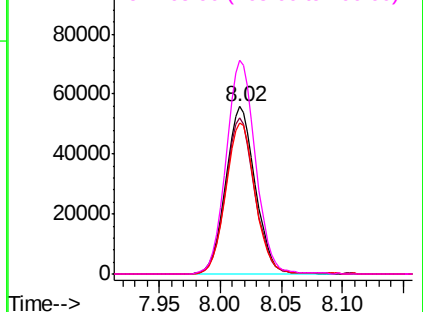


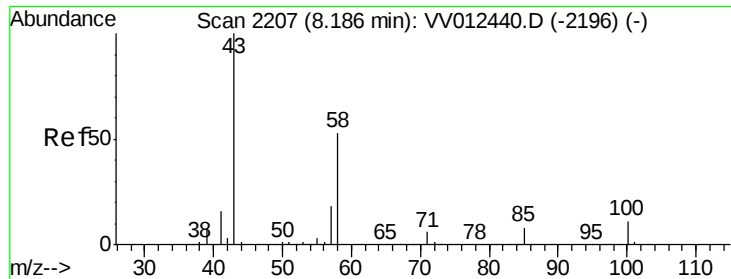
#47
 Tetrachloroethene
 Concen: 5.031 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012440.D
 Acq: 29 Aug 2019 19:13

Tgt Ion:	164	Resp:	94524
Ion	Ratio	Lower	Upper
164	100		
129	93.7	65.6	121.8
131	90.4	63.3	117.5
166	127.7	89.4	166.0



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

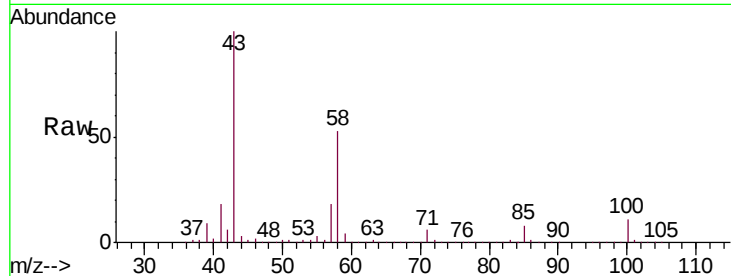




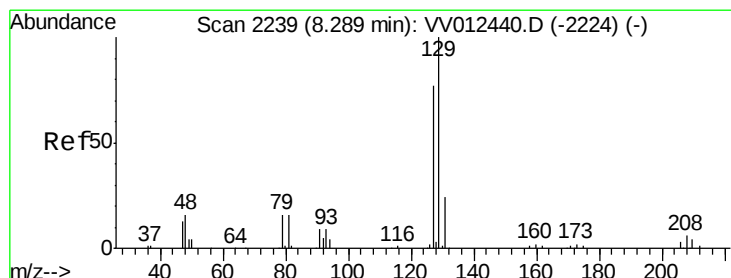
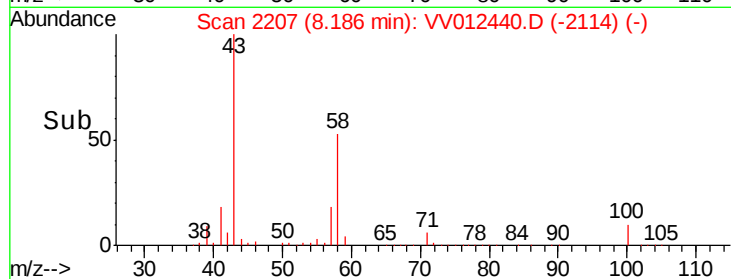
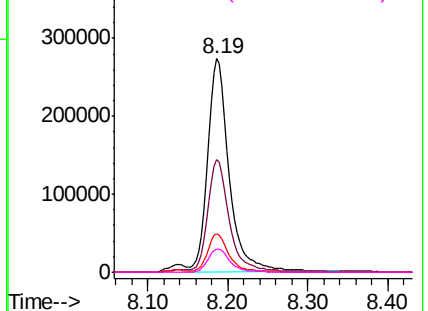
#48
2-Hexanone
Concen: 57.254 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012440.D
Acq: 29 Aug 2019 19:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD00531

Tgt Ion: 43 Resp: 510223
Ion Ratio Lower Upper
43 100
58 54.5 43.6 65.4
57 17.7 14.2 21.2
100 11.1 8.9 13.3

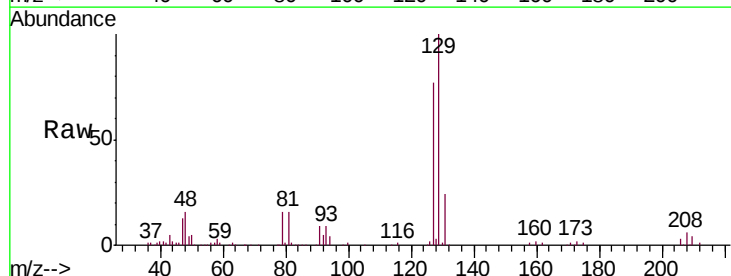


Abundance Ion 43.05 (42.75 to 43.75): VV012440.D (-2196) (-)
Ion 58.05 (57.75 to 58.75): VV012440.D (-2196) (-)
Ion 57.20 (56.90 to 57.90): VV012440.D (-2196) (-)
Ion 100.15 (99.85 to 100.85): VV012440.D (-2196) (-)

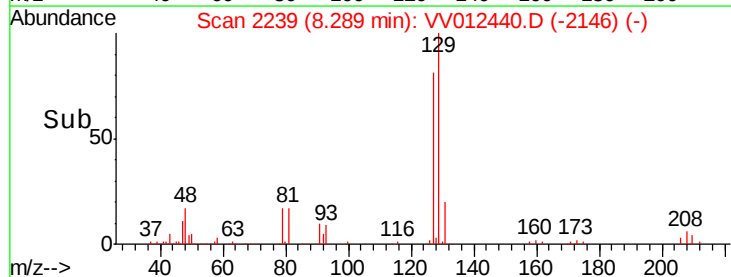
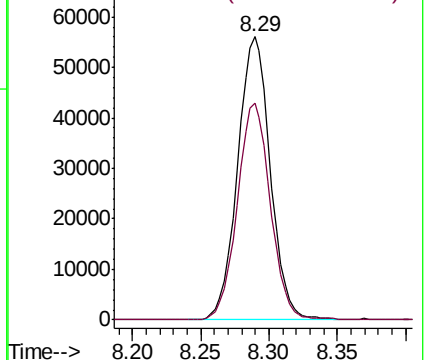


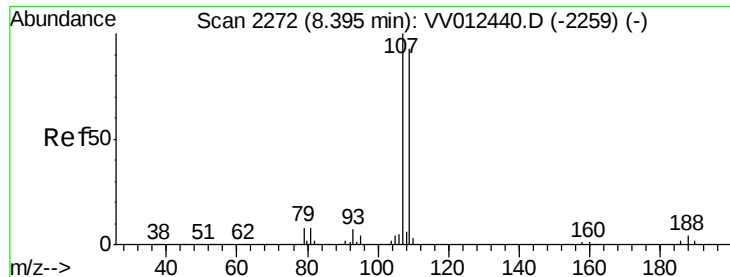
#49
Dibromochloromethane
Concen: 5.182 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012440.D
Acq: 29 Aug 2019 19:13

Tgt Ion: 129 Resp: 93266
Ion Ratio Lower Upper
129 100
127 76.6 53.6 99.6



Abundance Ion 128.95 (128.65 to 129.65): VV012440.D (-2224) (-)
Ion 126.90 (126.60 to 127.60): VV012440.D (-2224) (-)

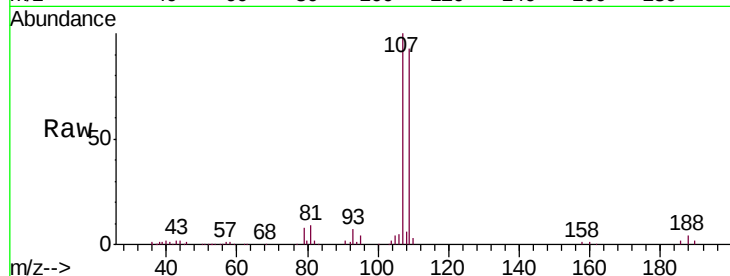




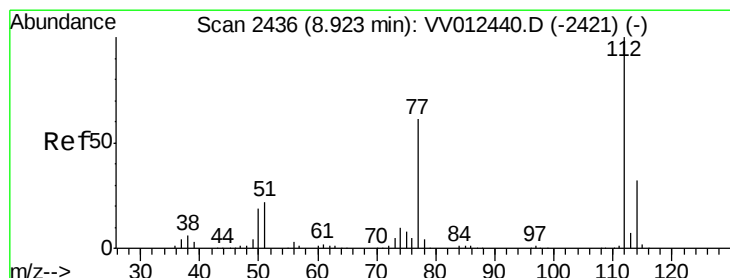
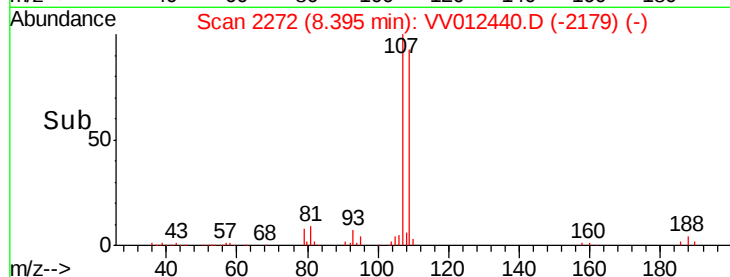
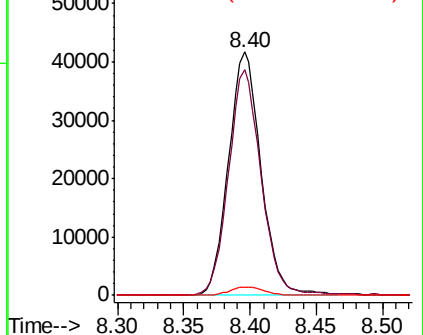
#50
 1,2-Dibromoethane
 Concen: 5.181 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV012440.D
 Acq: 29 Aug 2019 19:13

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00531

Tgt Ion:107 Resp: 71214
 Ion Ratio Lower Upper
 107 100
 109 92.9 65.0 120.8
 188 3.5 2.8 4.2

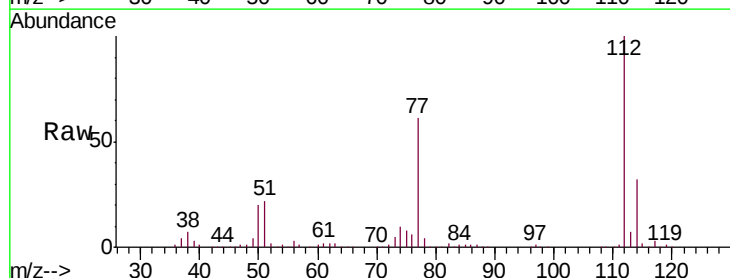


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

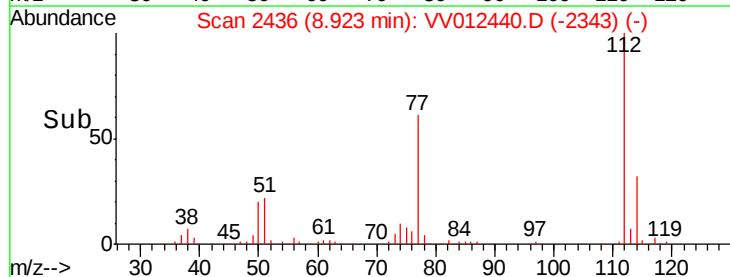
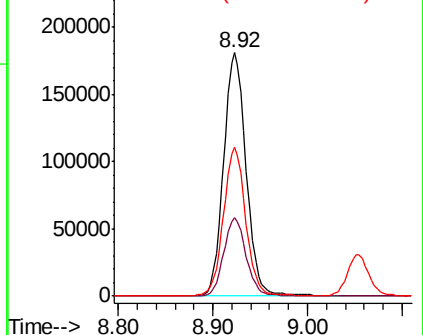


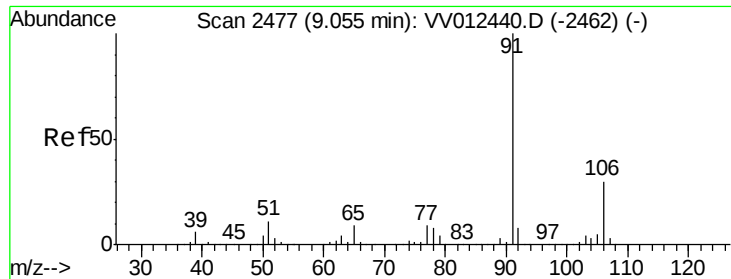
#51
 Chlorobenzene
 Concen: 5.128 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012440.D
 Acq: 29 Aug 2019 19:13

Tgt Ion:112 Resp: 300488
 Ion Ratio Lower Upper
 112 100
 114 32.5 22.7 42.3
 77 61.3 49.0 73.6



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

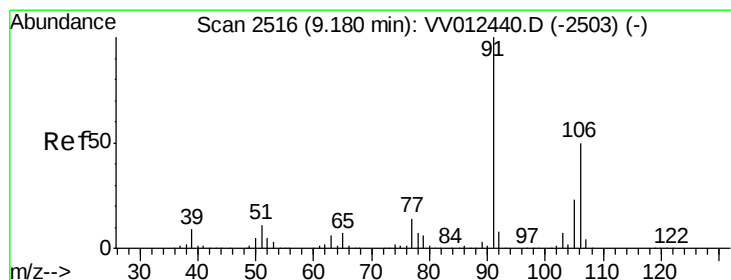
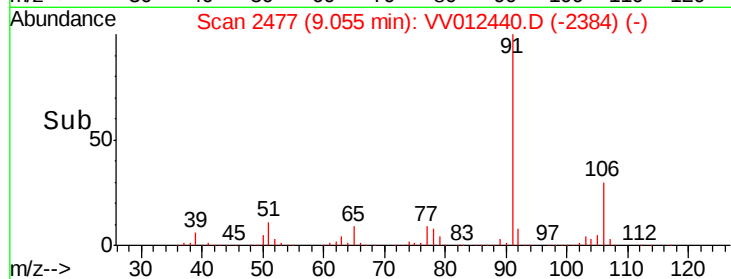
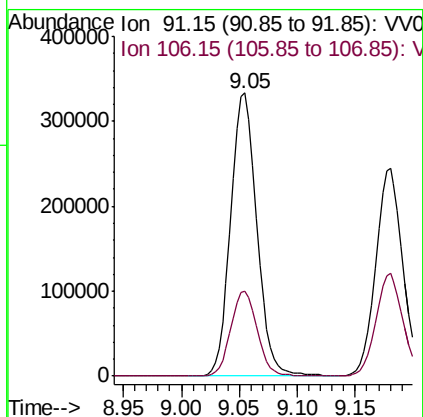
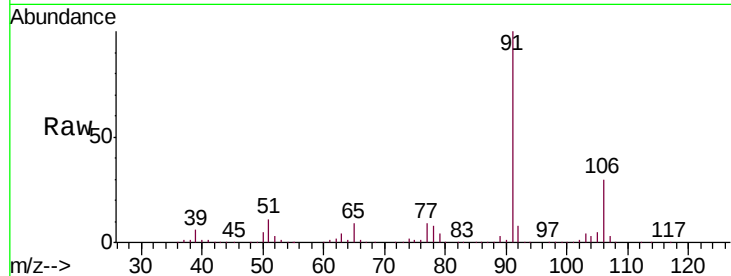




#52
Ethylbenzene
Concen: 5.303 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV012440.D
Acq: 29 Aug 2019 19:13

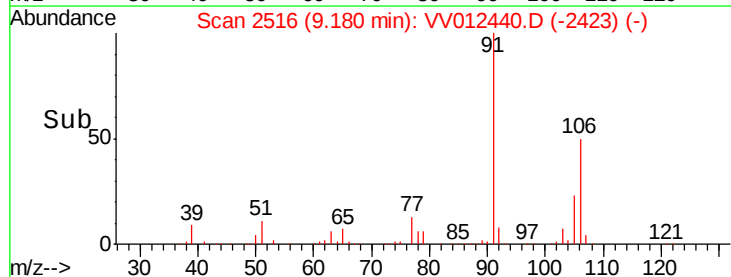
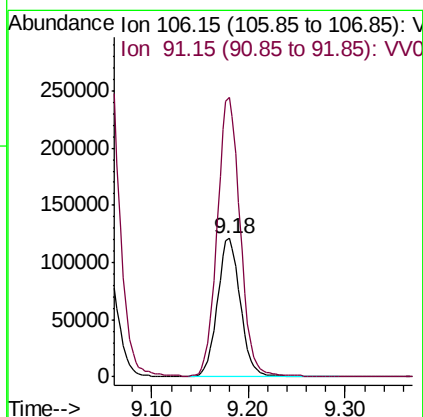
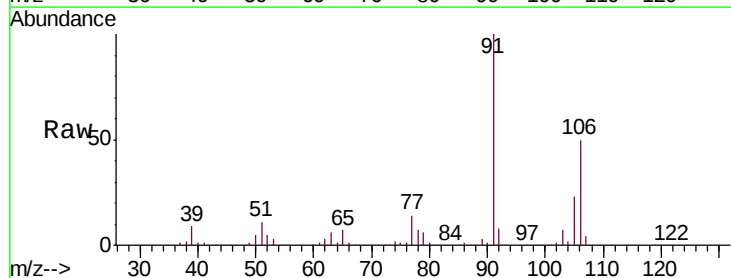
Instrument :
MSVOA_V
ClientSampleId :
VSTD00531

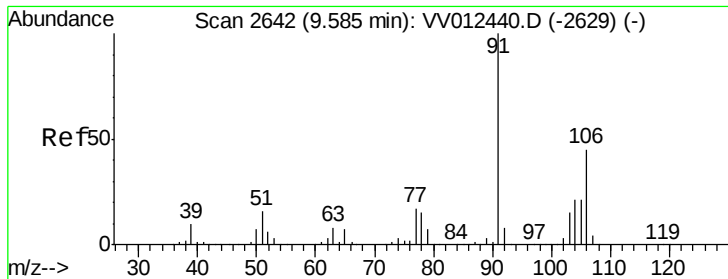
Tgt Ion: 91 Resp: 521520
Ion Ratio Lower Upper
91 100
106 30.2 21.1 39.3



#53
m,p-xylene
Concen: 5.436 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV012440.D
Acq: 29 Aug 2019 19:13

Tgt Ion: 106 Resp: 199164
Ion Ratio Lower Upper
106 100
91 201.8 141.3 262.3





#54

o-xylene

Concen: 5.326 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012440.D

Acq: 29 Aug 2019 19:13

Instrument :

MSVOA_V

ClientSampleId :

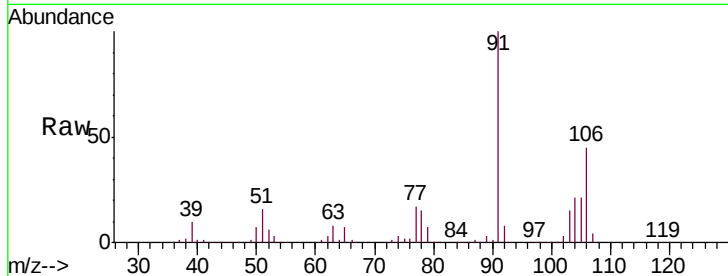
VSTD00531

Tgt Ion:106 Resp: 187235

Ion Ratio Lower Upper

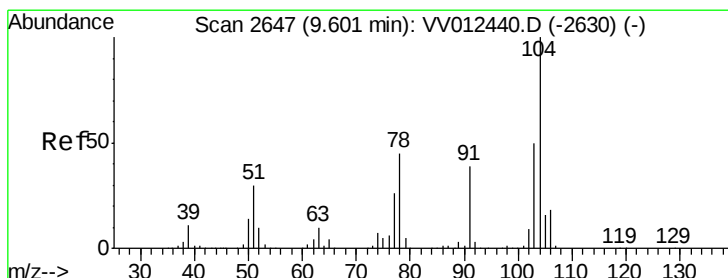
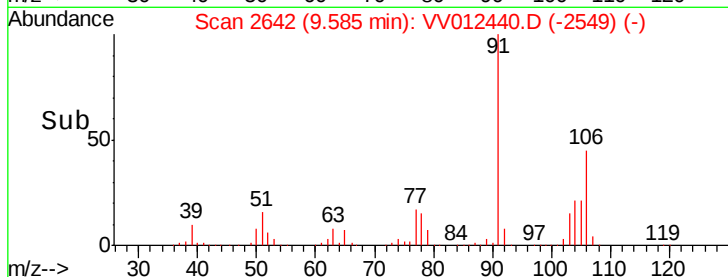
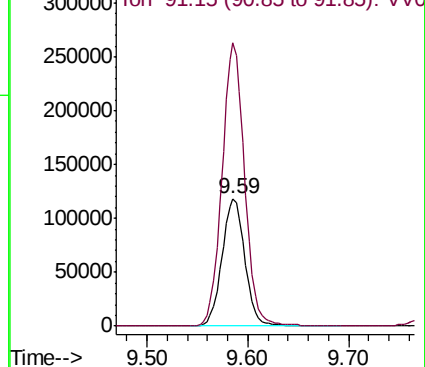
106 100

91 222.3 155.6 289.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.607 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012440.D

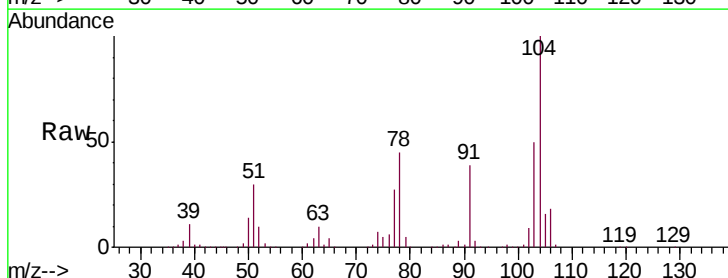
Acq: 29 Aug 2019 19:13

Tgt Ion:104 Resp: 331531

Ion Ratio Lower Upper

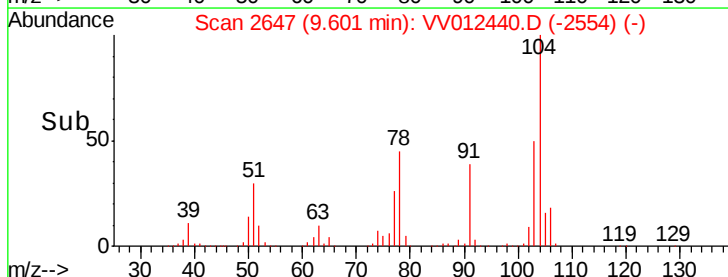
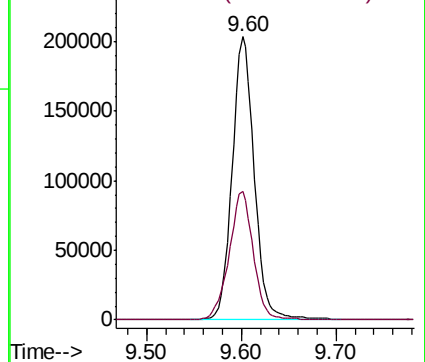
104 100

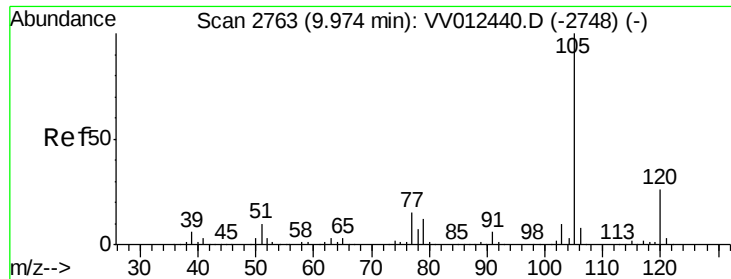
78 45.4 31.8 59.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.395 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012440.D

Acq: 29 Aug 2019 19:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00531

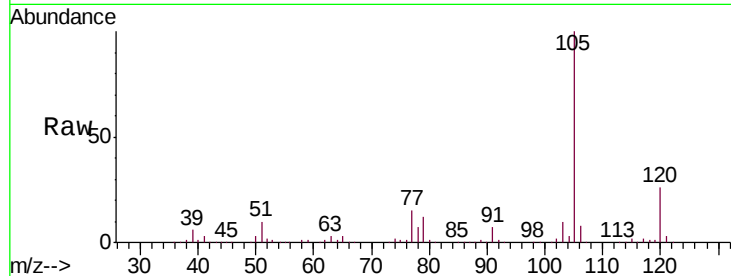
Tgt Ion: 105 Resp: 505267

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

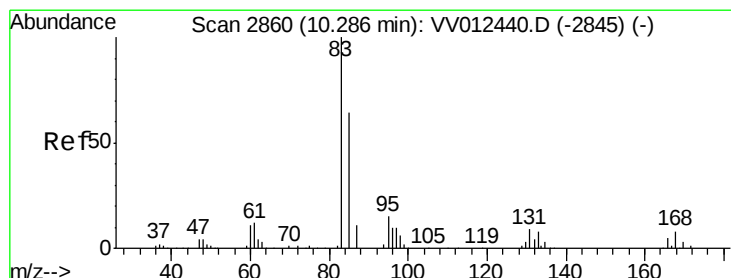
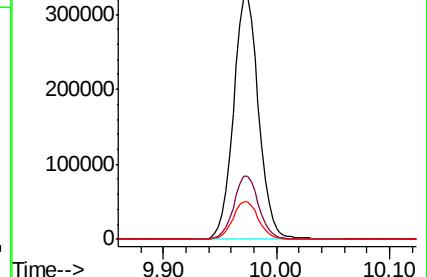
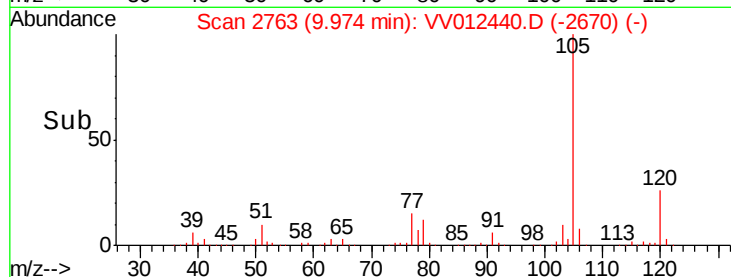
77 15.9 12.7 19.1



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



#58

1,1,2,2-Tetrachloroethane

Concen: 5.147 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012440.D

Acq: 29 Aug 2019 19:13

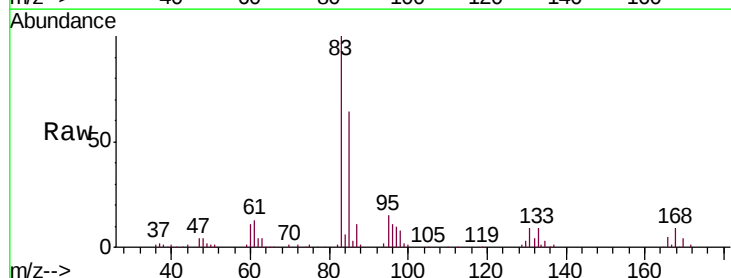
Tgt Ion: 83 Resp: 93167

Ion Ratio Lower Upper

83 100

85 64.3 45.0 83.6

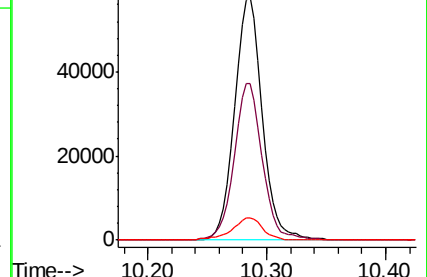
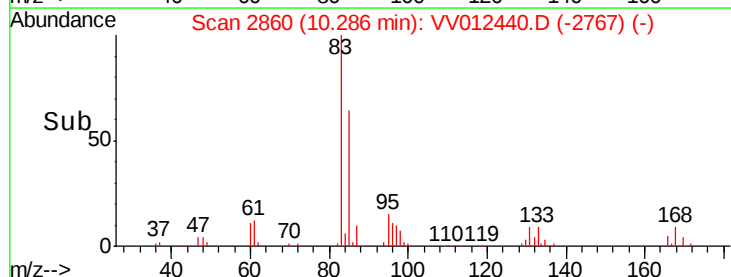
131 9.3 7.4 11.2

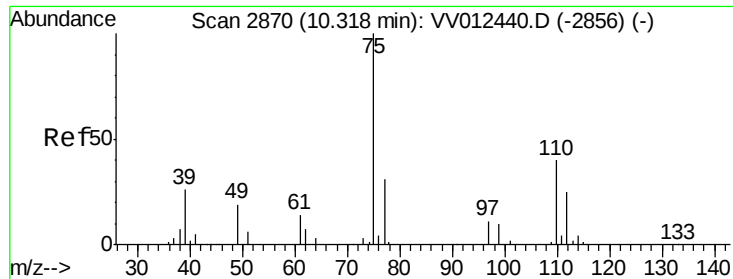


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

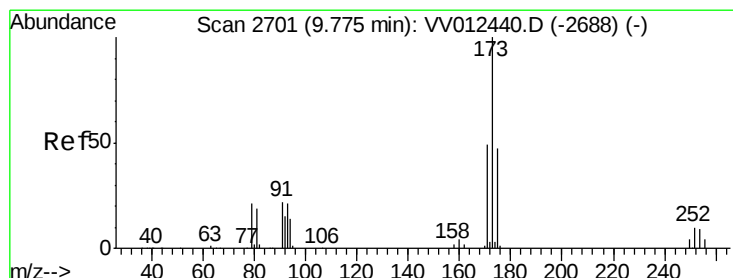
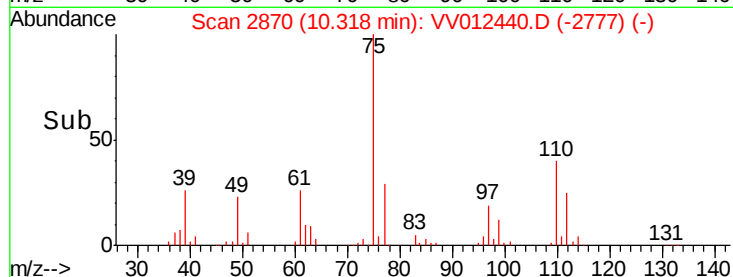
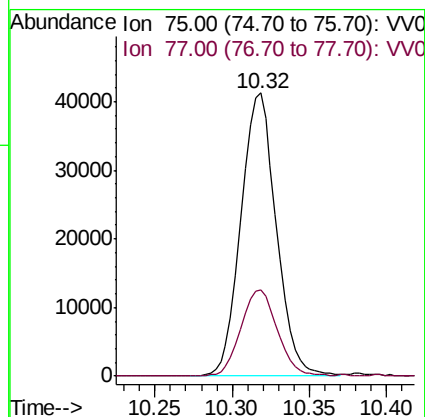
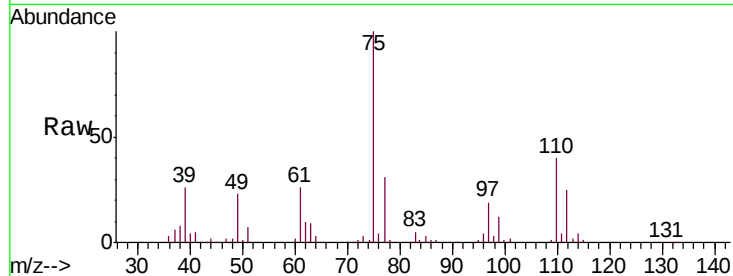




#59
 1,2,3-Trichloropropane
 Concen: 5.089 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV012440.D
 Acq: 29 Aug 2019 19:13

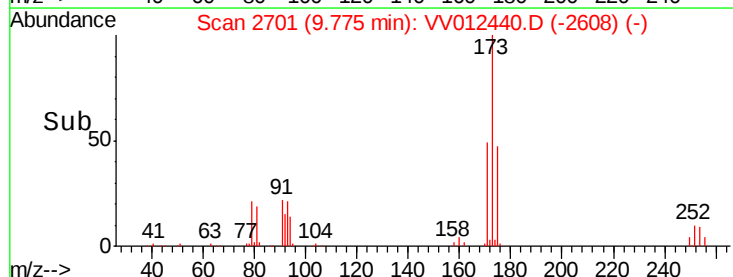
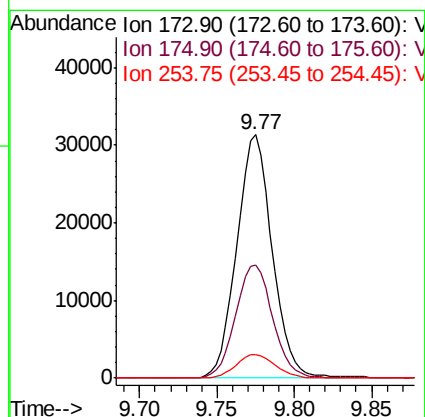
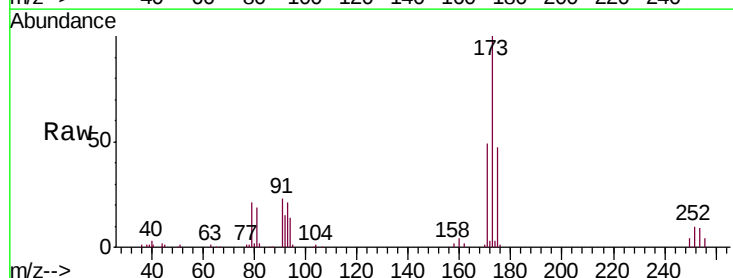
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00531

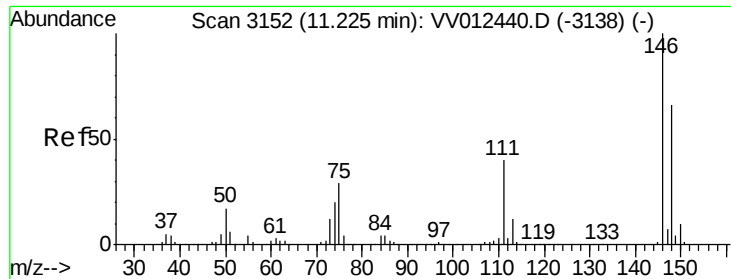
Tgt Ion: 75 Resp: 65671
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.2 37.8



#61
 Bromoform
 Concen: 4.900 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV012440.D
 Acq: 29 Aug 2019 19:13

Tgt Ion: 173 Resp: 49787
 Ion Ratio Lower Upper
 173 100
 175 48.8 39.0 58.6
 254 10.5 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 5.134 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012440.D

Acq: 29 Aug 2019 19:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00531

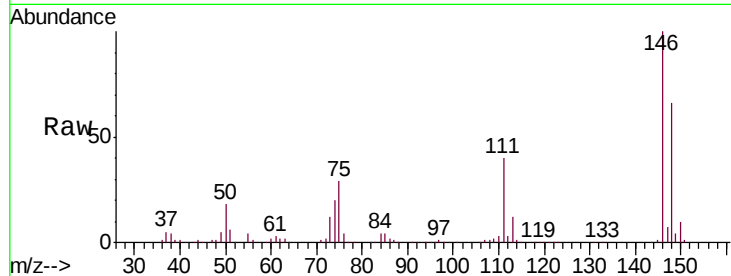
Tgt Ion:146 Resp: 235350

Ion Ratio Lower Upper

146 100

111 39.5 27.6 51.4

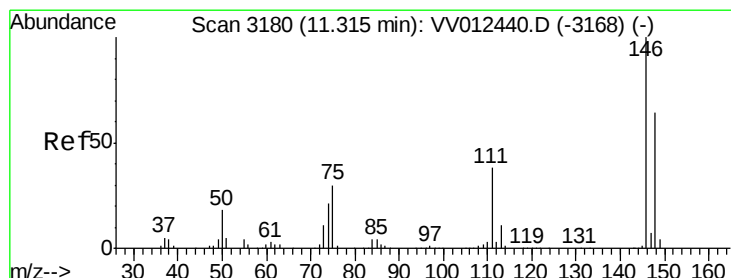
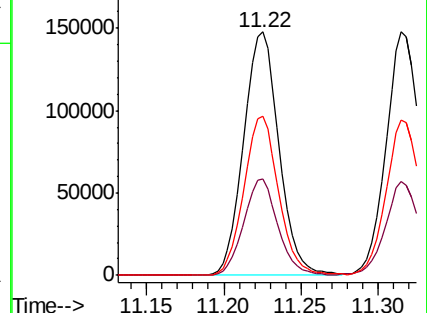
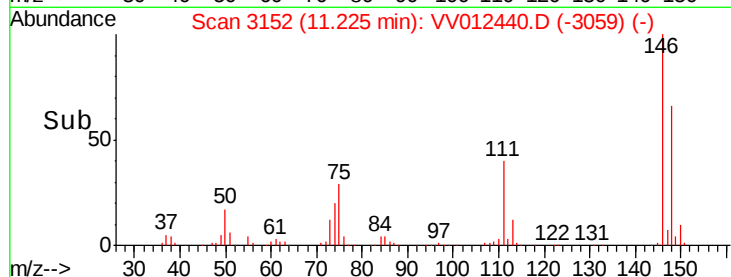
148 65.5 45.8 85.2



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



#63

1,4-Dichlorobenzene

Concen: 5.075 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012440.D

Acq: 29 Aug 2019 19:13

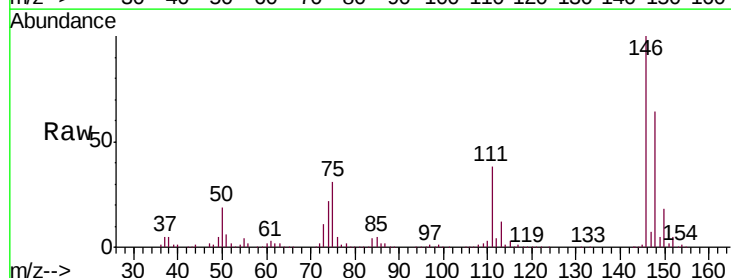
Tgt Ion:146 Resp: 232827

Ion Ratio Lower Upper

146 100

111 38.3 26.8 49.8

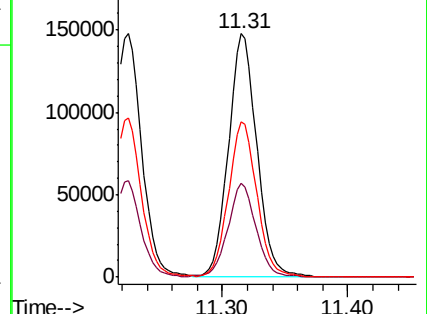
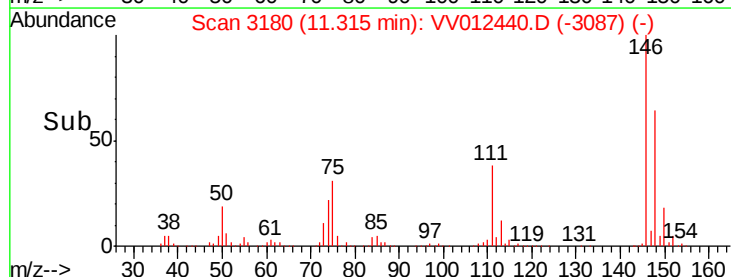
148 63.6 44.5 82.7

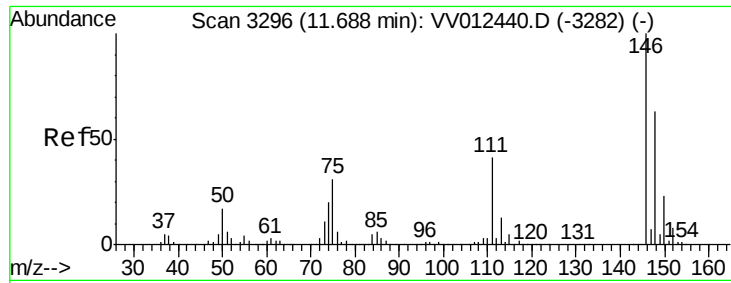


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.057 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012440.D

Acq: 29 Aug 2019 19:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00531

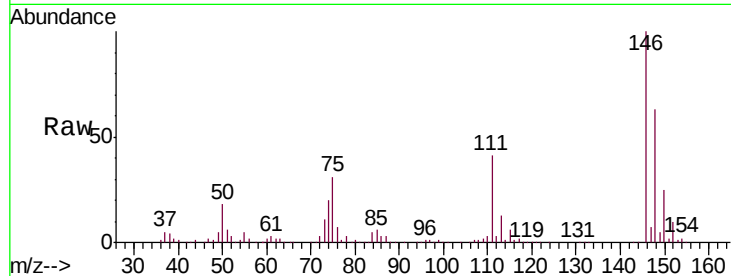
Tgt Ion:146 Resp: 216599

Ion Ratio Lower Upper

146 100

111 40.6 32.5 48.7

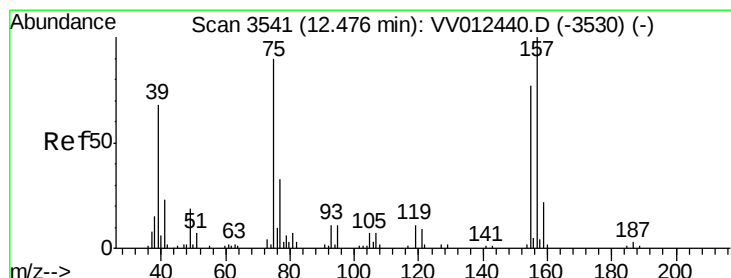
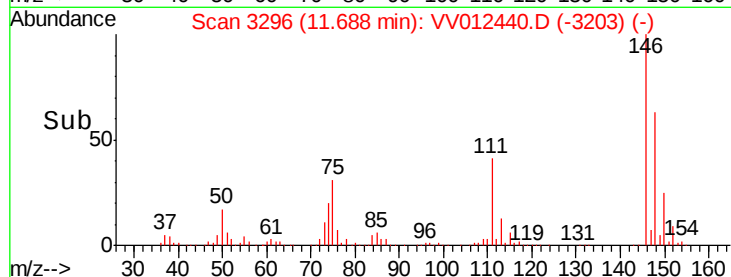
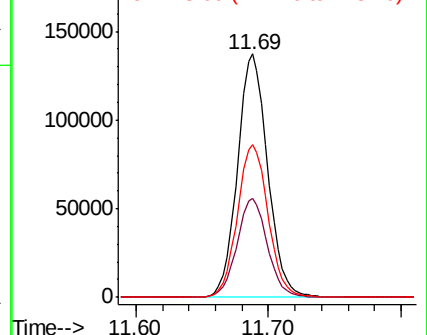
148 62.8 50.2 75.4



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.658 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV012440.D

Acq: 29 Aug 2019 19:13

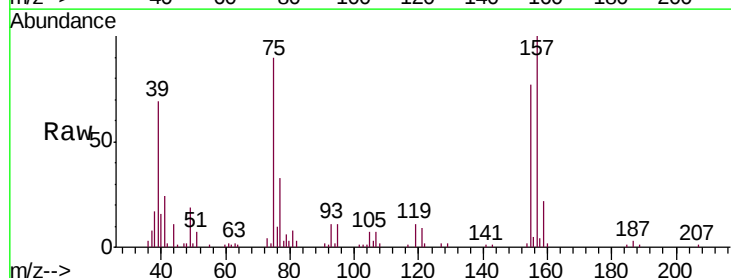
Tgt Ion: 75 Resp: 13905

Ion Ratio Lower Upper

75 100

155 85.7 68.6 102.8

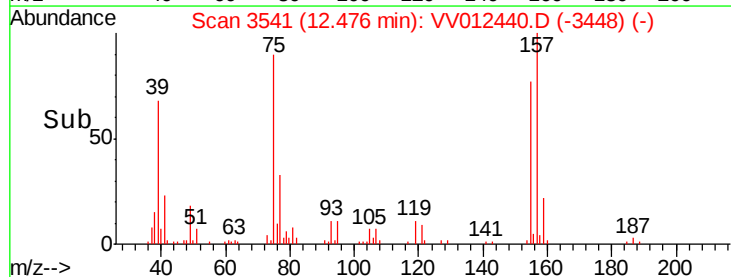
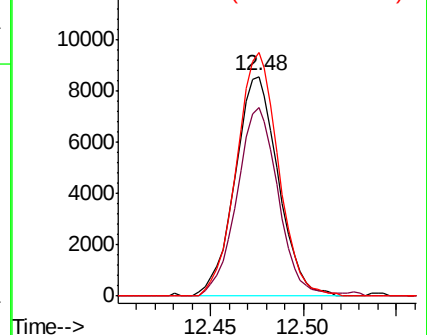
157 110.8 88.6 133.0

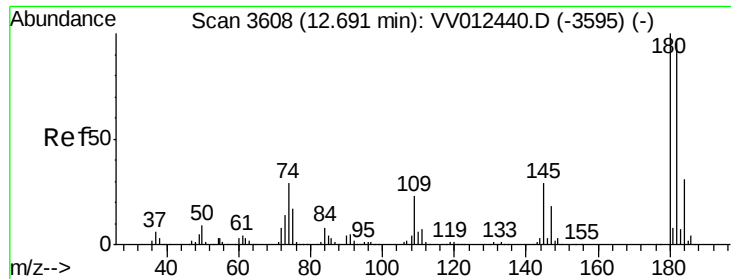


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

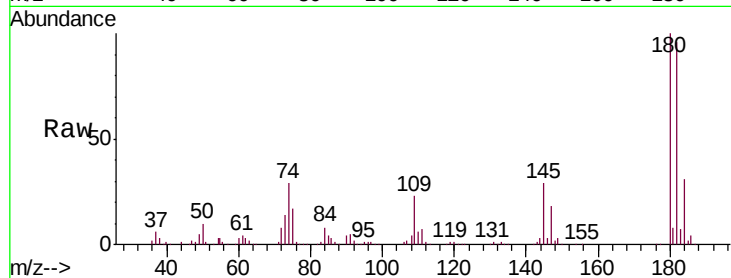




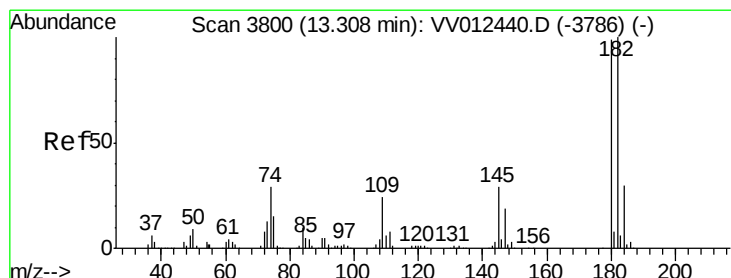
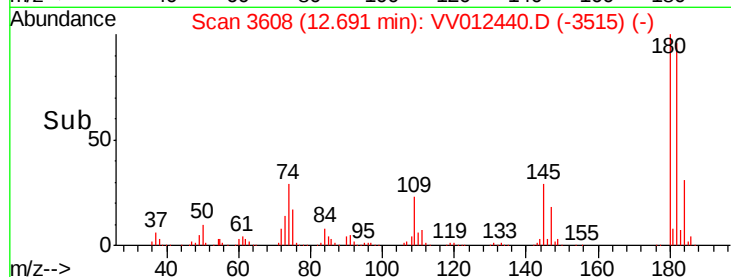
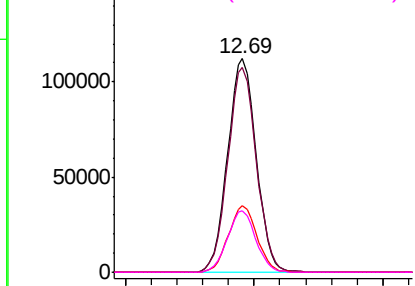
#67
 1,3,5-Trichlorobenzene
 Concen: 4.906 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012440.D
 Acq: 29 Aug 2019 19:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00531

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
184	31.0	24.8	37.2
145	28.5	22.8	34.2

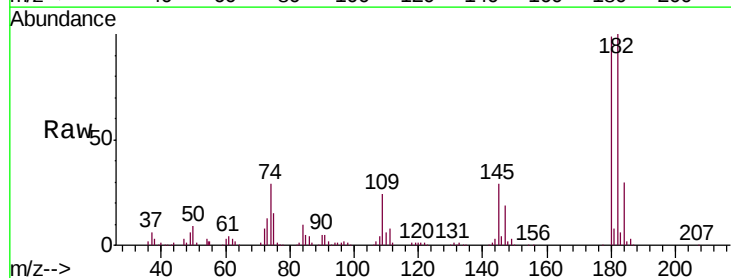


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

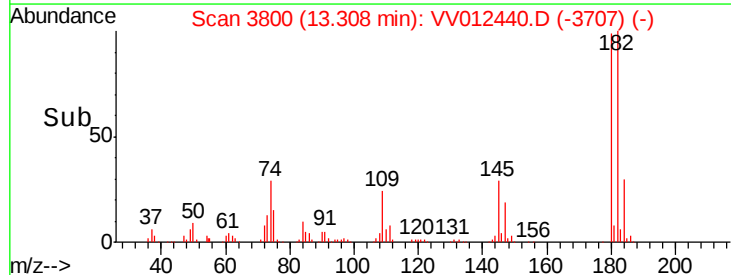
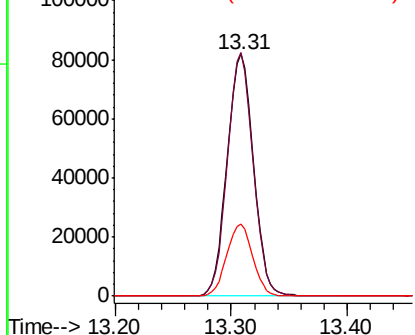


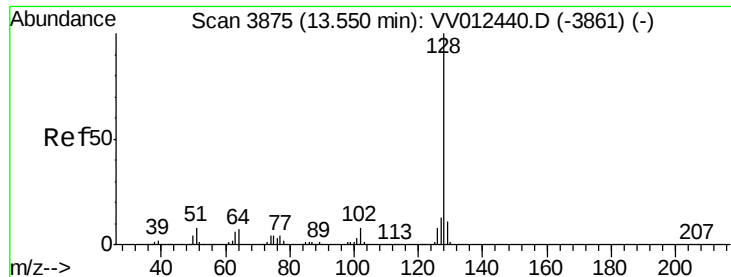
#68
 1,2,4-trichlorobenzene
 Concen: 4.726 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012440.D
 Acq: 29 Aug 2019 19:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	78.1	117.1
145	29.2	23.4	35.0



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.450 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012440.D

Acq: 29 Aug 2019 19:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00531

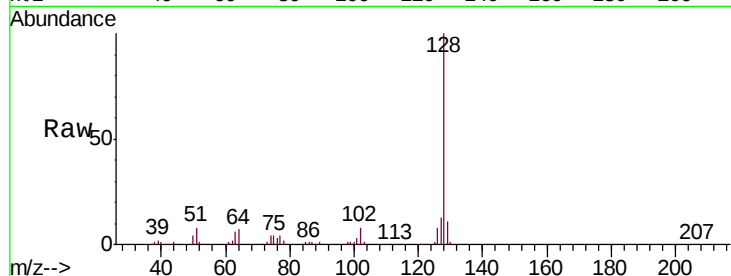
Tgt Ion:128 Resp: 185959

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

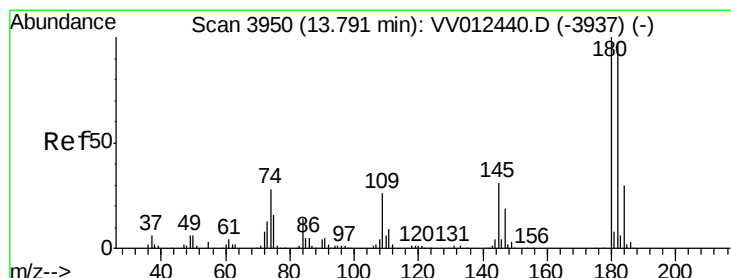
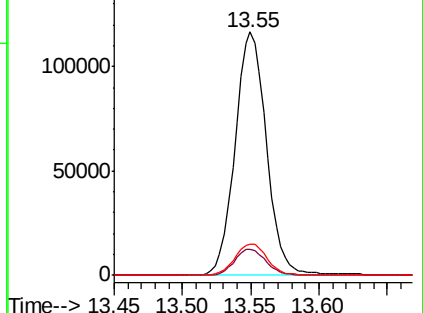
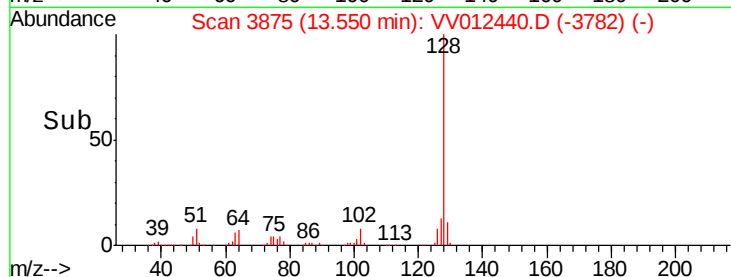
127 13.4 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.824 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012440.D

Acq: 29 Aug 2019 19:13

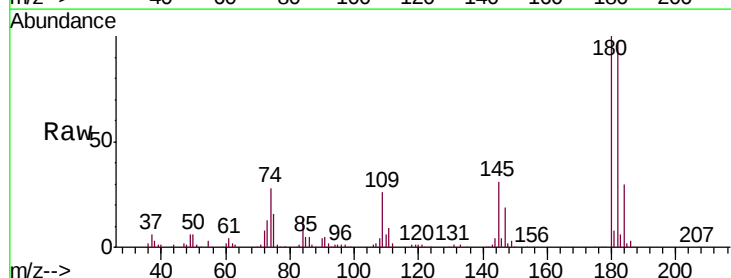
Tgt Ion:180 Resp: 126339

Ion Ratio Lower Upper

180 100

182 96.9 77.5 116.3

145 31.3 25.0 37.6



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

