

Data File : VV012905.D
Acq On : 18 Sep 2019 19:51
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00540

Quant Time: Sep 19 01:04:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 19 01:01:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	381259	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	372717	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	185137	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	136034	3.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.20%
7) Chloroethane-d5	1.58	69	126240	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.80%
11) 1,1-Dichloroethene-d2	2.13	63	219721	3.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.00%
20) 2-Butanone-d5	3.99	46	81437	10.31	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	20.62%#
24) Chloroform-d	4.40	84	270198	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
26) 1,2-Dichloroethane-d4	5.08	65	134208	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
32) Benzene-d6	5.10	84	527261	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
36) 1,2-Dichloropropane-d6	6.12	67	163324	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.80%
41) Toluene-d8	7.36	98	472035	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
43) trans-1,3-Dichloropropene-	7.66	79	57839	4.28	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.60%
46) 2-Hexanone-d5	8.14	63	242265	42.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.26%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	126131	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	167352	4.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	138772	5.773 ug/L	98
3) Chloromethane	1.25	50	134549	5.074 ug/L	100
5) Vinyl chloride	1.32	62	148265	4.819 ug/L	98
6) Bromomethane	1.54	94	76577	5.178 ug/L	100
8) Chloroethane	1.60	64	82014	5.074 ug/L	97
9) Trichlorofluoromethane	1.77	101	185939	4.967 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	110314	4.911 ug/L	100
12) 1,1-Dichloroethene	2.14	96	98175	4.806 ug/L	84
13) Acetone	2.29	43	69336	16.593 ug/L	76
14) Carbon disulfide	2.32	76	213721	5.107 ug/L	99
15) Methyl Acetate	2.48	43	60317	5.518 ug/L #	89
16) Methylene chloride	2.53	84	124354	4.951 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	260387	4.507 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	105711	4.656 ug/L	99
19) 1,1-Dichloroethane	3.23	63	231949	4.951 ug/L	100
21) 2-Butanone	4.07	43	114734	16.713 ug/L	81
22) cis-1,2-Dichloroethene	3.96	96	123843	4.854 ug/L	99

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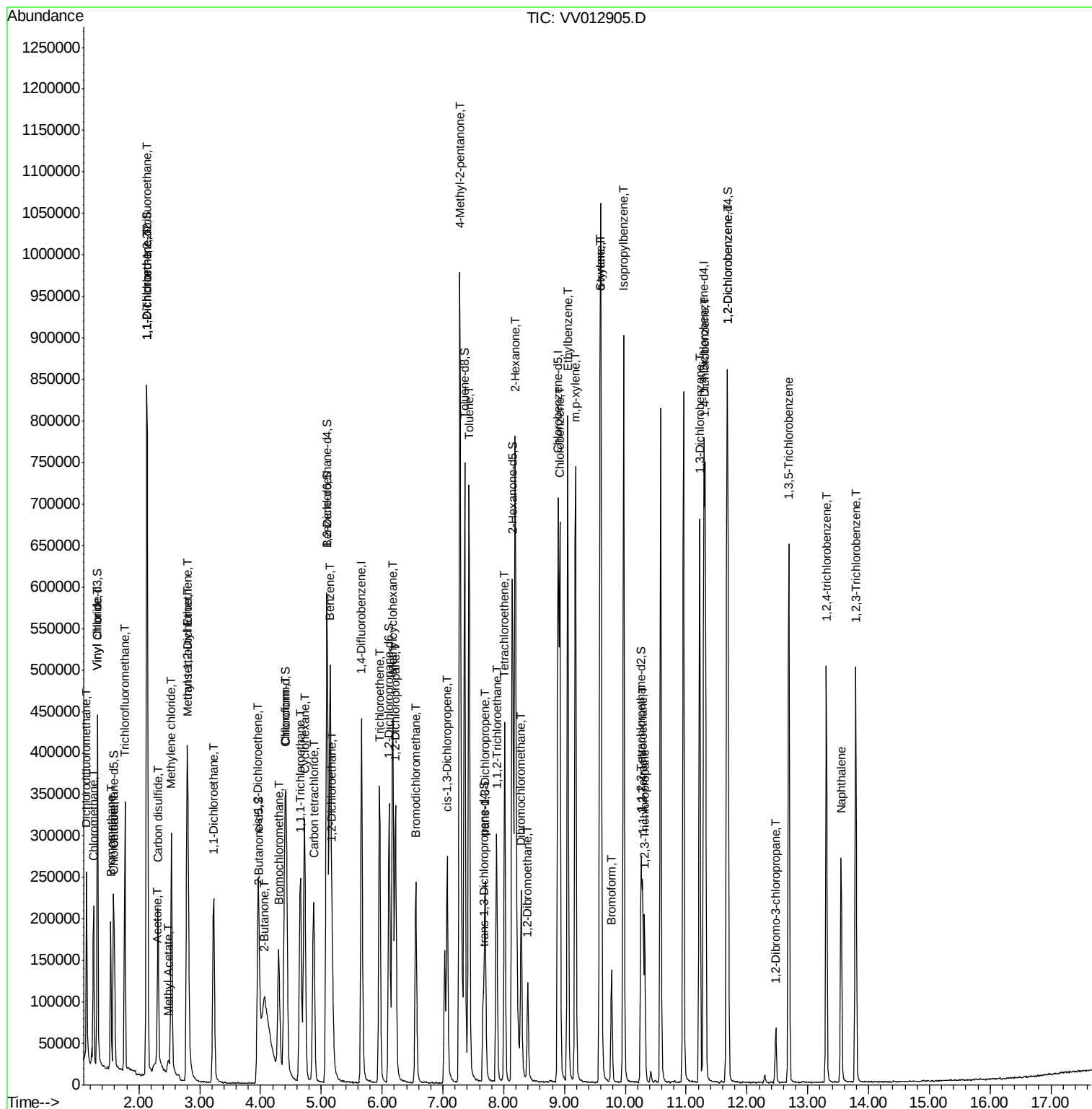
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	55922	4.950	ug/L	98
25) Chloroform	4.42	83	249592	4.729	ug/L	100
27) 1,2-Dichloroethane	5.18	62	138597	4.938	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	192787	4.978	ug/L	99
30) Cyclohexane	4.72	56	160142	4.958	ug/L	97
31) Carbon tetrachloride	4.87	117	162810	4.963	ug/L	99
33) Benzene	5.15	78	492089	5.088	ug/L	100
34) Trichloroethene	5.96	95	123055	4.940	ug/L	99
35) Methylcyclohexane	6.18	83	164428	4.919	ug/L	100
37) 1,2-Dichloropropane	6.22	63	134613	5.108	ug/L	99
38) Bromodichloromethane	6.55	83	166570	4.857	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	165305	4.735	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	828351	48.812	ug/L	99
42) Toluene	7.43	91	525194	5.216	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	134477	4.823	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	94317	4.775	ug/L	99
47) Tetrachloroethene	8.02	164	98819	4.937	ug/L	99
48) 2-Hexanone	8.19	43	612269	49.934	ug/L	99
49) Dibromochloromethane	8.29	129	111343	4.951	ug/L	99
50) 1,2-Dibromoethane	8.40	107	80850	4.919	ug/L	93
51) Chlorobenzene	8.92	112	344656	4.988	ug/L	100
52) Ethylbenzene	9.05	91	556116	5.150	ug/L	99
53) m,p-xylene	9.18	106	208110	5.225	ug/L	99
54) o-xylene	9.59	106	206097	5.263	ug/L	99
55) Styrene	9.60	104	362283	5.393	ug/L	100
56) Isopropylbenzene	9.97	105	557112	5.302	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	113051	4.571	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	81913	4.765	ug/L	100
61) Bromoform	9.78	173	60053	4.731	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	274024	4.953	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	271503	4.782	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	266158	4.877	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	15198	4.052	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	204132	4.719	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	156526	4.506	ug/L	100
69) Naphthalene	13.55	128	213810	4.073	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	154280	4.502	ug/L	98

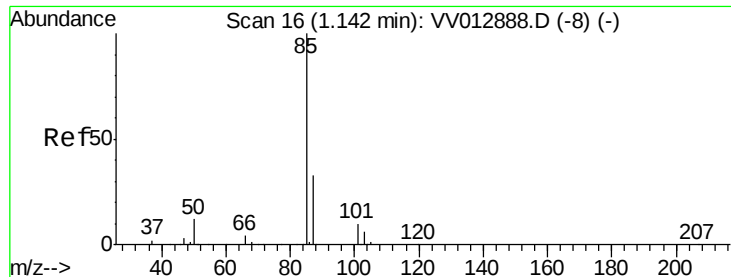
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.773 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012905.D

Acq: 18 Sep 2019 19:51

Instrument :

MSVOA_V

ClientSampled :

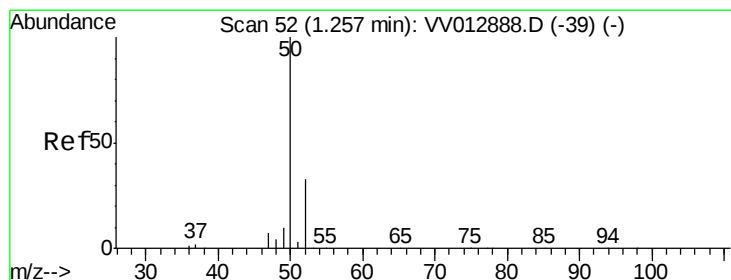
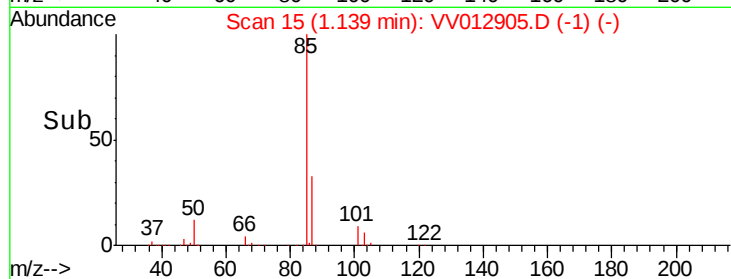
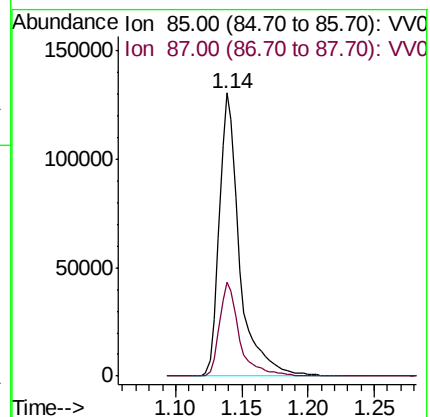
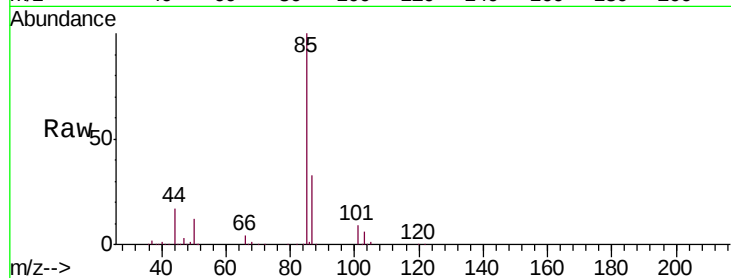
VSTD00540

Tgt Ion: 85 Resp: 138772

Ion Ratio Lower Upper

85 100

87 32.7 25.4 38.2



#3

Chloromethane

Concen: 5.074 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV012905.D

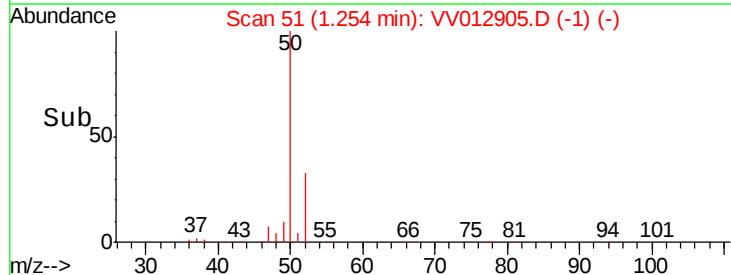
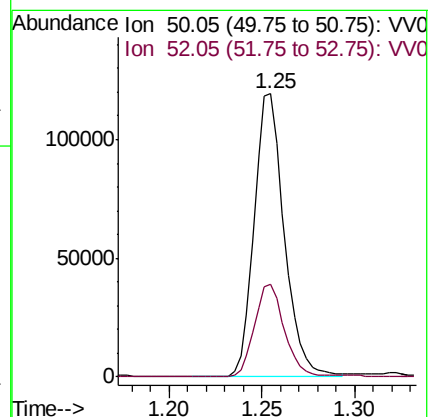
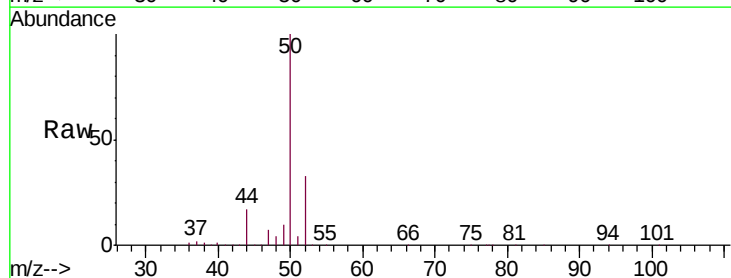
Acq: 18 Sep 2019 19:51

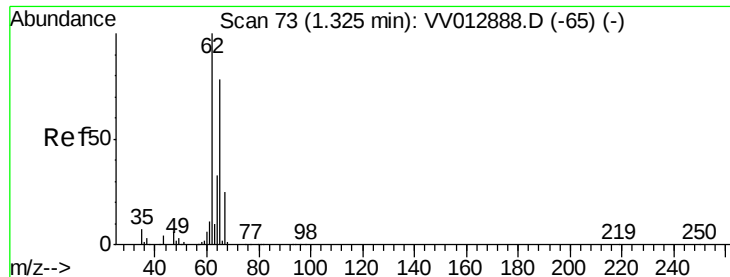
Tgt Ion: 50 Resp: 134549

Ion Ratio Lower Upper

50 100

52 32.8 22.8 42.4





#5

Vinyl chloride

Concen: 4.819 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012905.D

Acq: 18 Sep 2019 19:51

Instrument :

MSVOA_V

ClientSampleId :

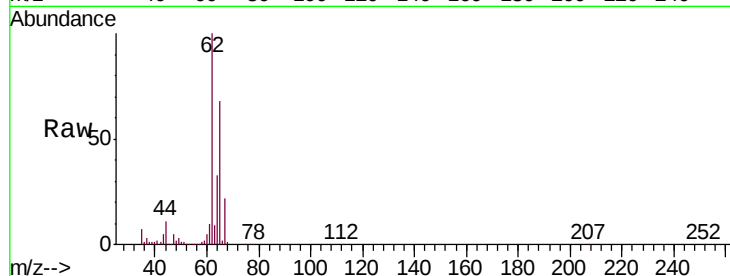
VSTD00540

Tgt Ion: 62 Resp: 148265

Ion Ratio Lower Upper

62 100

64 33.3 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

150000

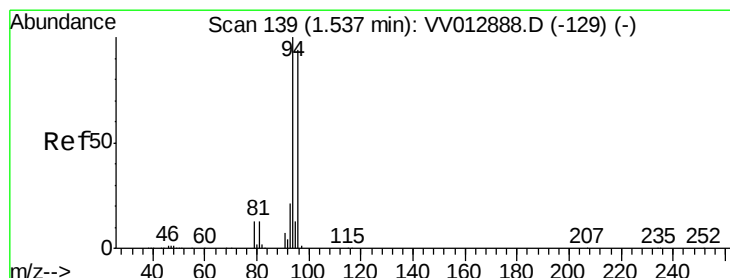
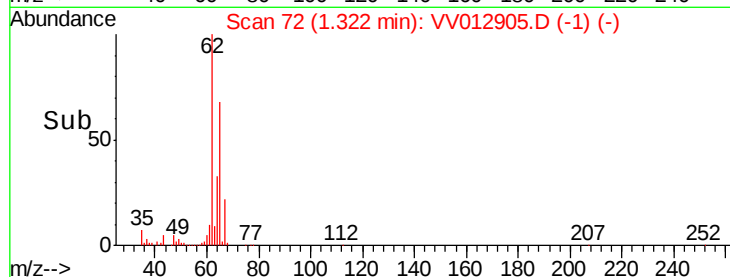
100000

50000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 5.178 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012905.D

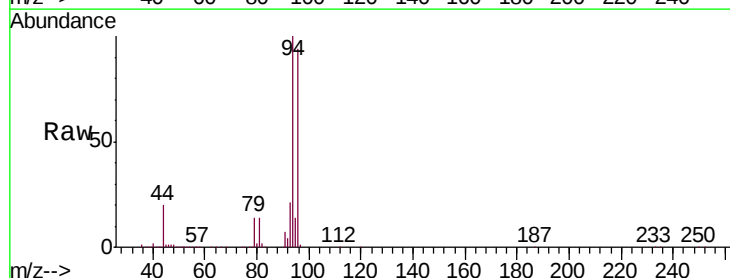
Acq: 18 Sep 2019 19:51

Tgt Ion: 94 Resp: 76577

Ion Ratio Lower Upper

94 100

96 93.8 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

60000

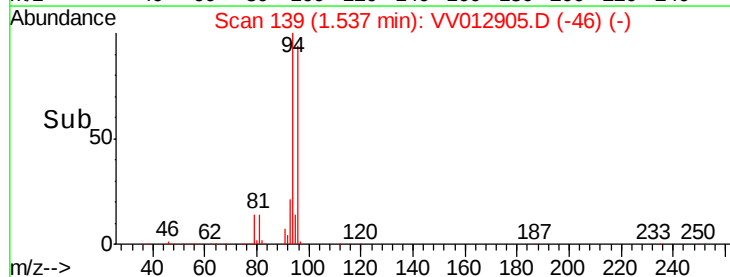
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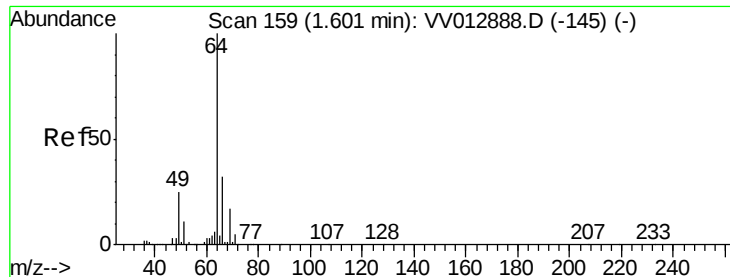
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Time-->

1.50 1.55 1.60

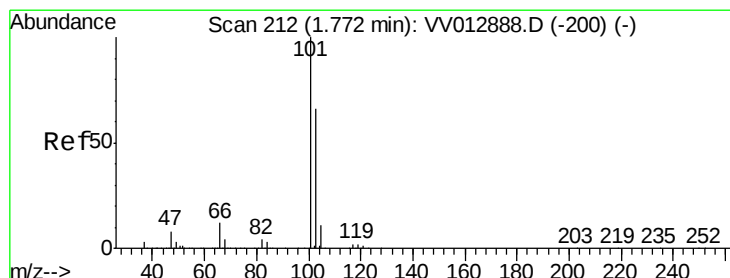
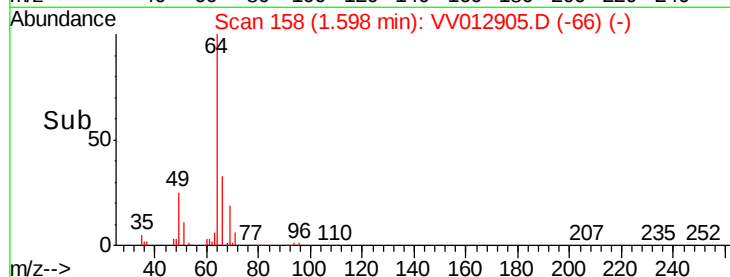
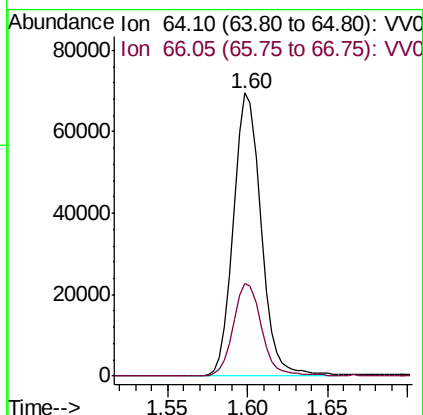
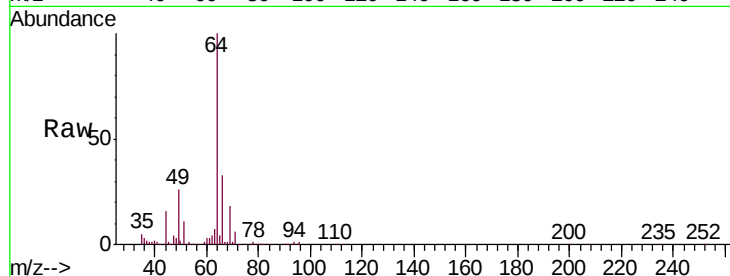




#8
Chloroethane
Concen: 5.074 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV012905.D
Acq: 18 Sep 2019 19:51

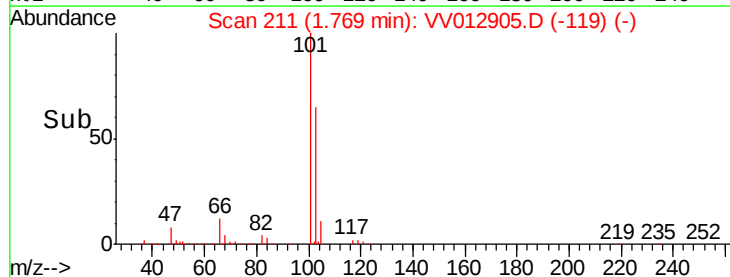
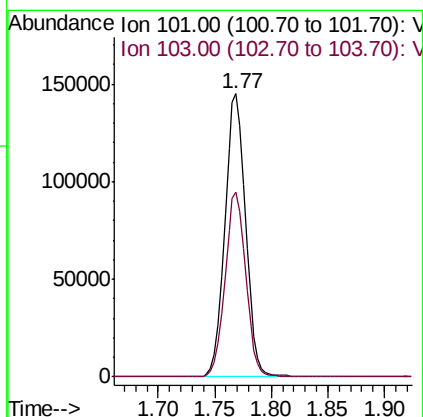
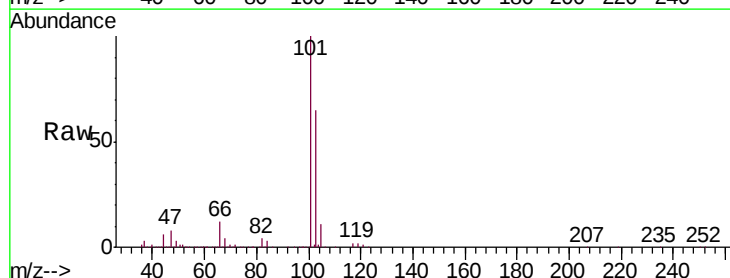
Instrument :
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ClientSampleId :
VSTD00540

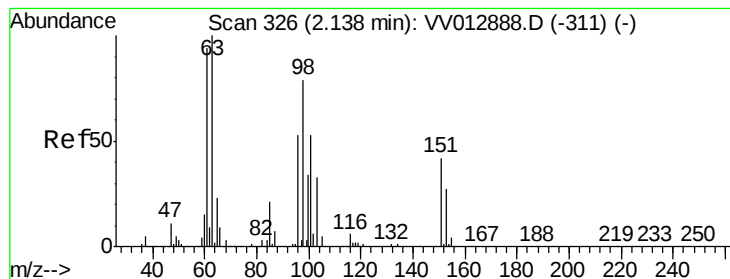
Tgt Ion: 64 Resp: 82014
Ion Ratio Lower Upper
64 100
66 32.9 22.0 40.8



#9
Trichlorofluoromethane
Concen: 4.967 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV012905.D
Acq: 18 Sep 2019 19:51

Tgt Ion: 101 Resp: 185939
Ion Ratio Lower Upper
101 100
103 65.3 52.3 78.5





#10

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

Concen: 4.911 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012905.D

Acq: 18 Sep 2019 19:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00540

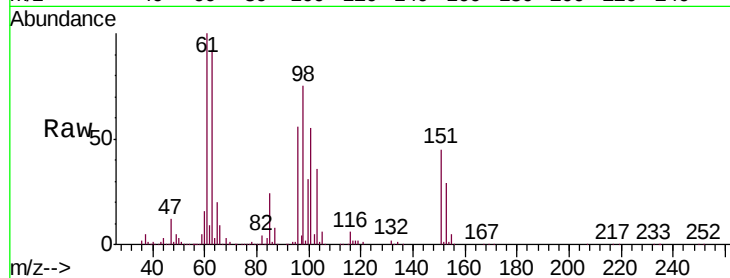
Tgt Ion: 101 Resp: 110314

Ion Ratio Lower Upper

101 100

85 41.9 33.5 50.3

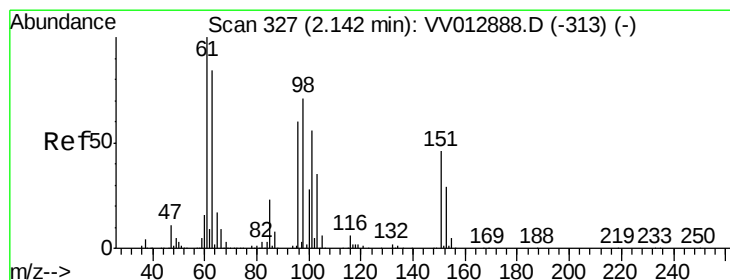
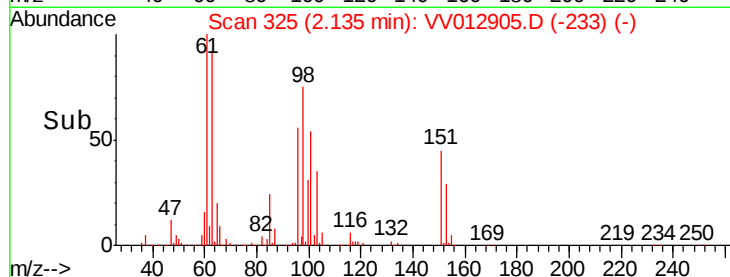
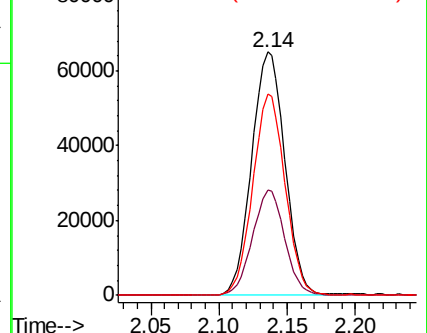
151 80.3 64.0 96.0



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: 4.806 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012905.D

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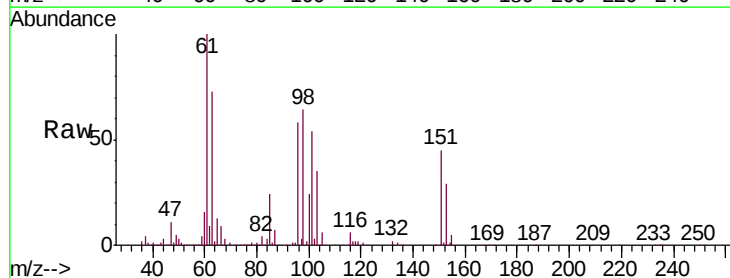
Tgt Ion: 96 Resp: 98175

Ion Ratio Lower Upper

96 100

61 171.2 116.1 215.5

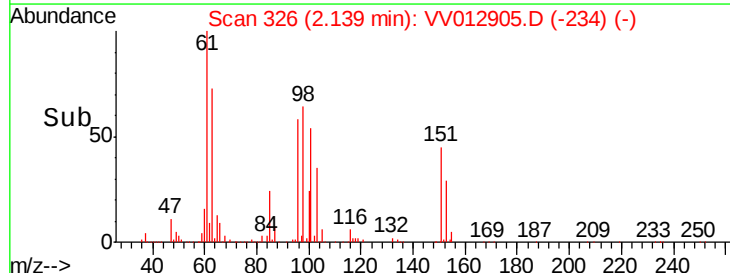
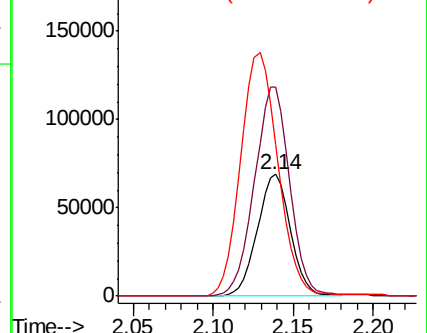
63 124.4 113.3 210.3

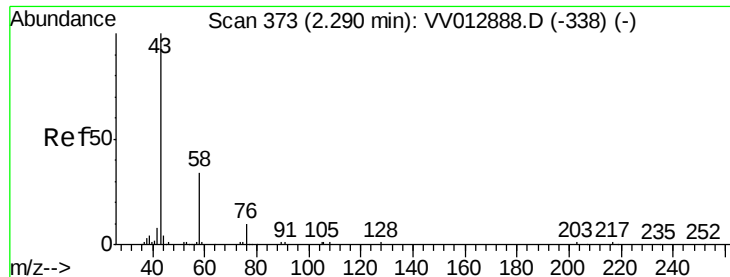


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 16.593 ug/L

RT: 2.29 min Scan# 374

Delta R.T. 0.00 min

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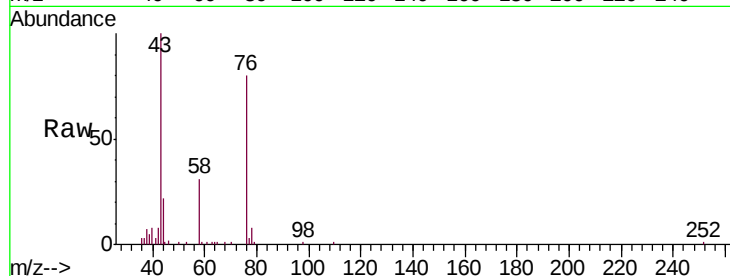
VSTD00540

Tgt Ion: 43 Resp: 69336

Ion Ratio Lower Upper

43 100

58 2.9 0.0 24.4



Abundance Ion 43.05 (42.75 to 43.75): VV012888.D (-338) (-)

Ion 58.05 (57.75 to 58.75): VV012888.D (-338) (-)

2.29

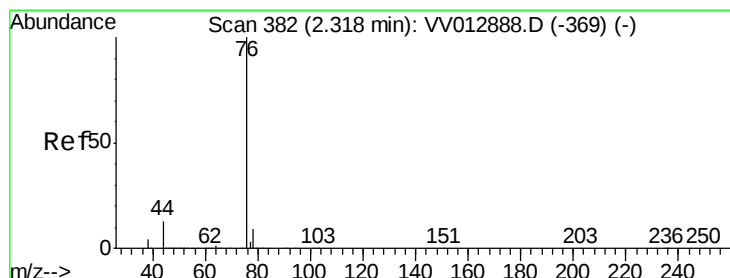
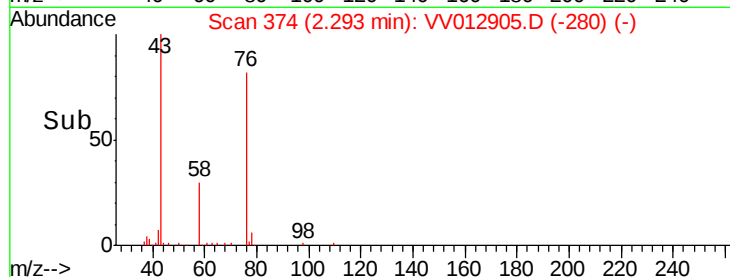
15000

10000

5000

0

Time-->



#14

Carbon disulfide

Concen: 5.107 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV012905.D

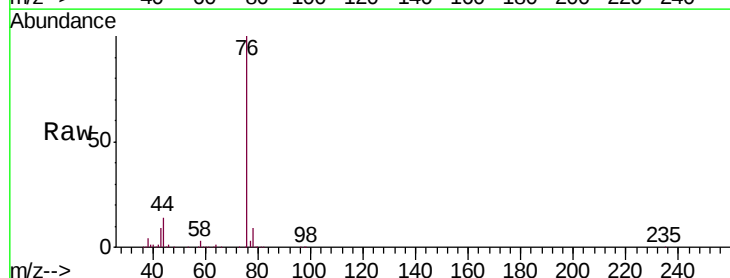
Acq: 18 Sep 2019 19:51

Tgt Ion: 76 Resp: 213721

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV012888.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV012888.D (-369) (-)

2.32

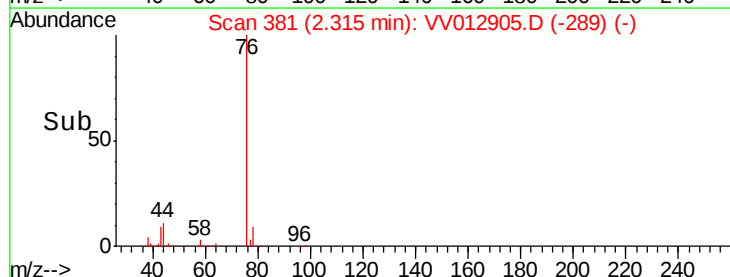
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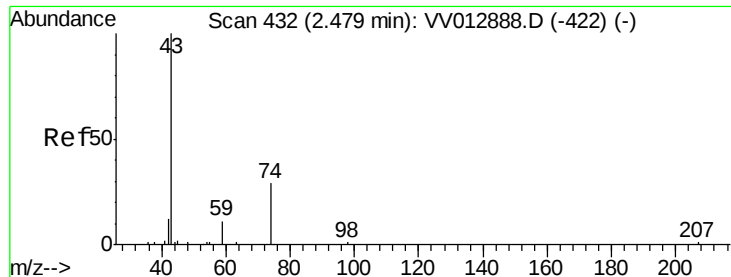
100000

50000

0

Time-->





#15

Methyl Acetate

Concen: 5.518 ug/L

RT: 2.48 min Scan# 433

Delta R.T. 0.00 min

Lab File: VV012905.D

Acq: 18 Sep 2019 19:51

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ClientSampleId :

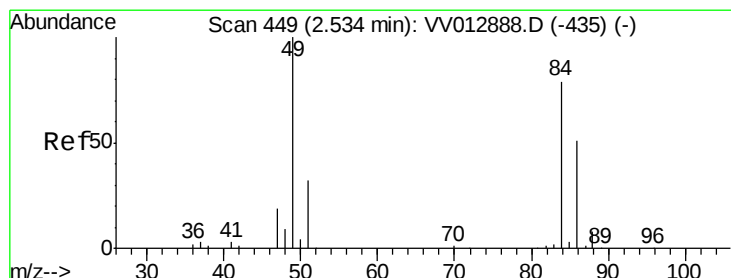
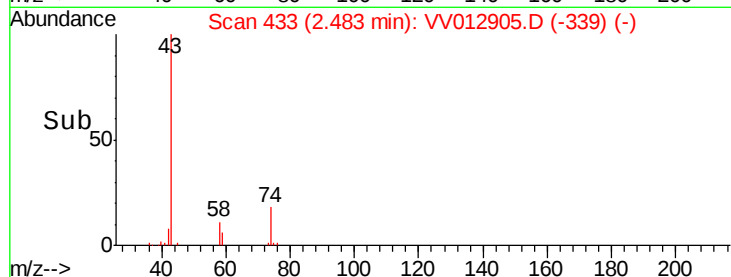
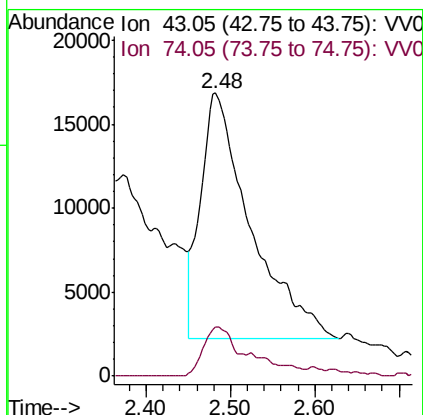
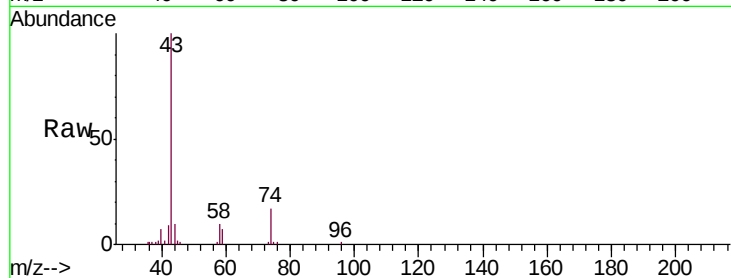
VSTD00540

Tgt Ion: 43 Resp: 60317

Ion Ratio Lower Upper

43 100

74 12.6 14.1 21.1#



#16

Methylene chloride

Concen: 4.951 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV012905.D

Acq: 18 Sep 2019 19:51

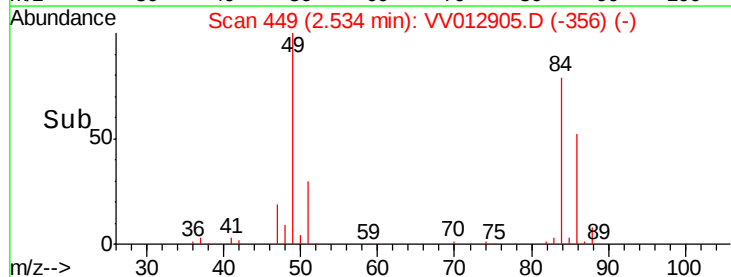
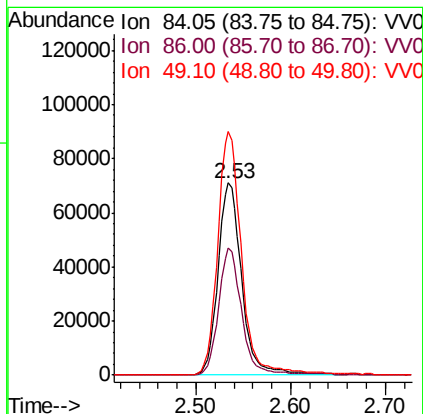
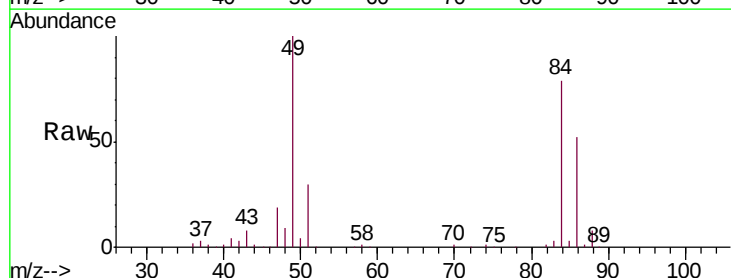
Tgt Ion: 84 Resp: 124354

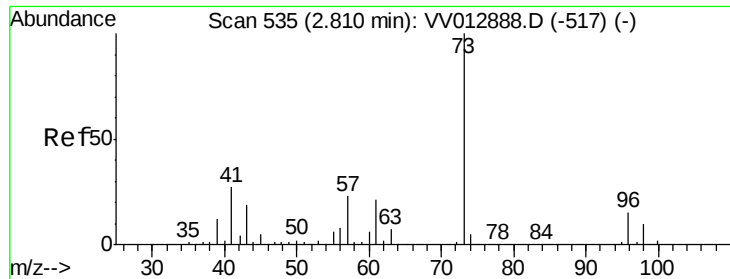
Ion Ratio Lower Upper

84 100

86 66.3 44.8 83.2

49 126.8 85.9 159.5

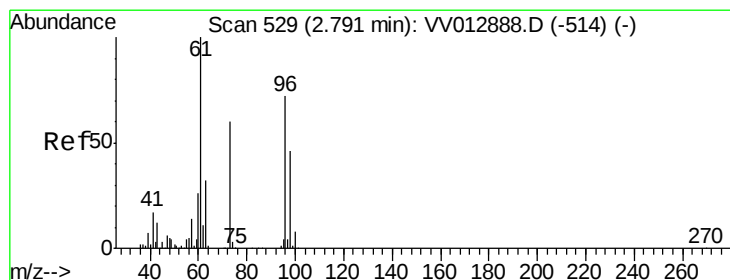
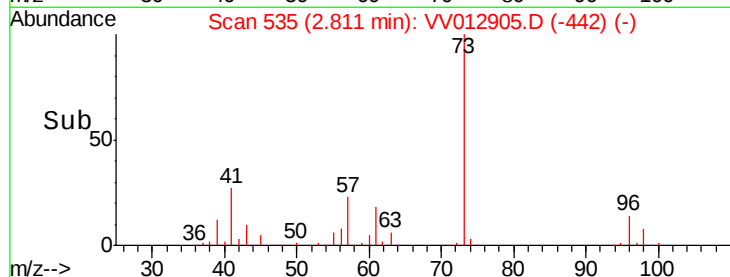
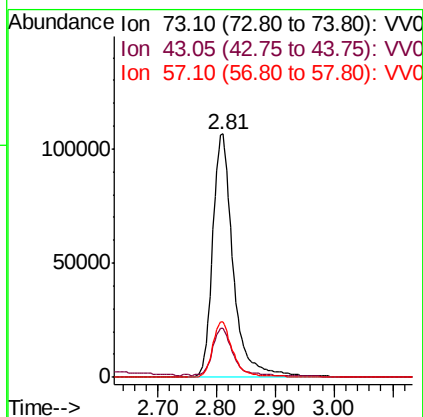
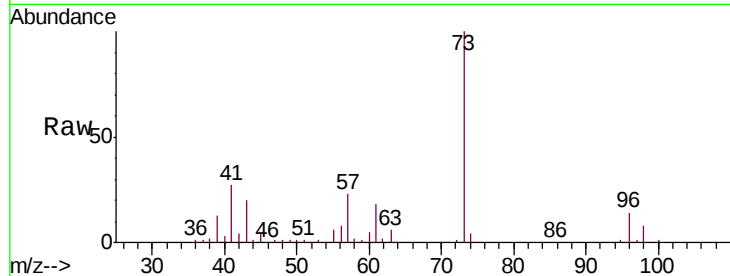




#17
Methyl tert-butyl Ether
Concen: 4.507 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV012905.D
Acq: 18 Sep 2019 19:51

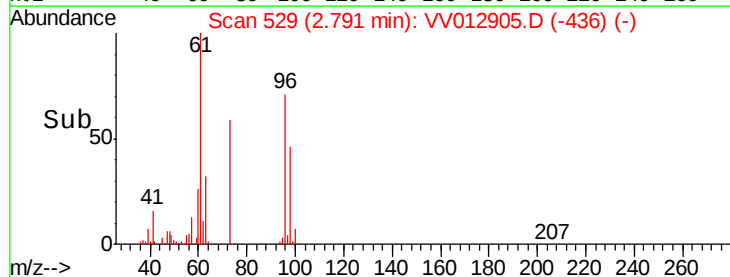
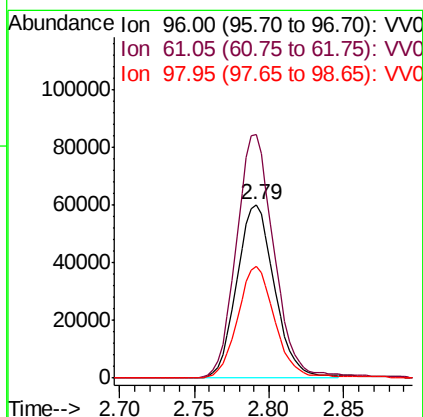
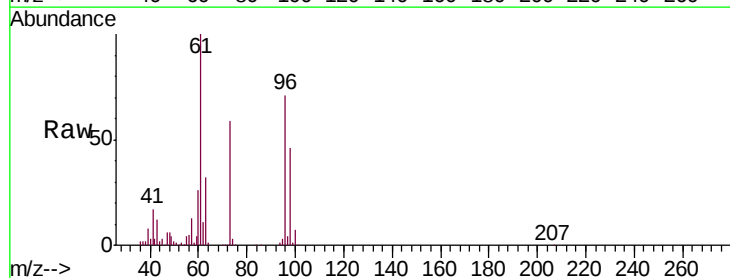
Instrument :
MSVOA_V
ClientSampleId :
VSTD00540

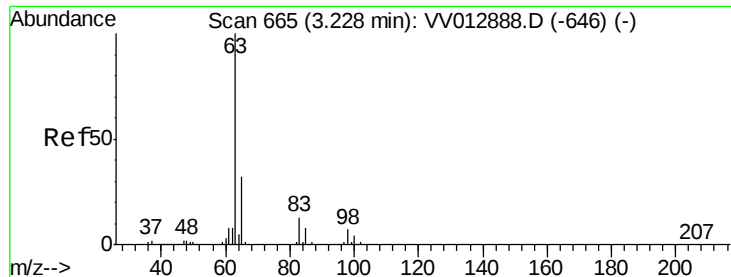
Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.6	15.0	22.4
57	22.7	17.9	26.9



#18
trans-1,2-Dichloroethene
Concen: 4.656 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV012905.D
Acq: 18 Sep 2019 19:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.3	96.8	179.8
98	64.3	45.2	84.0

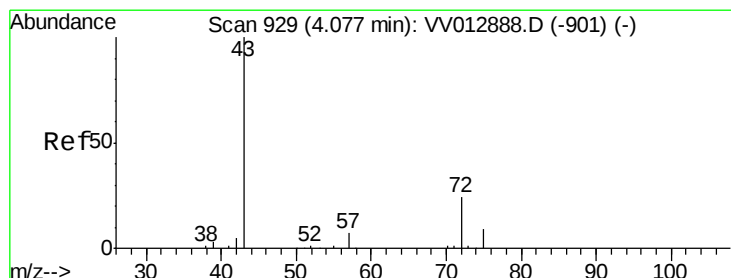
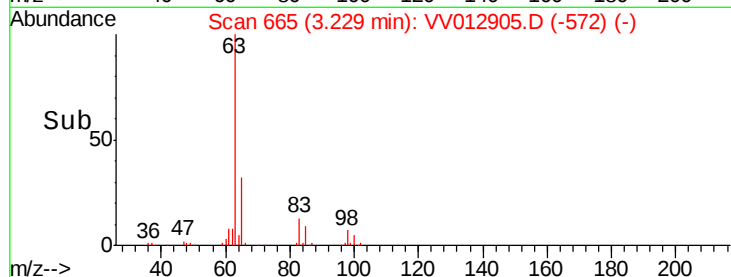
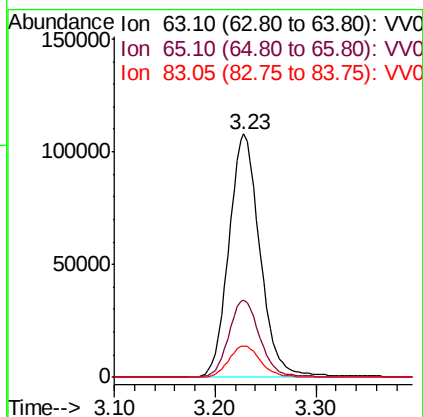
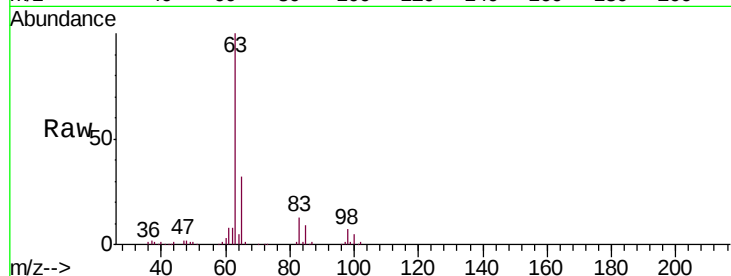




#19
 1,1-Dichloroethane
 Concen: 4.951 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV012905.D
 Acq: 18 Sep 2019 19:51

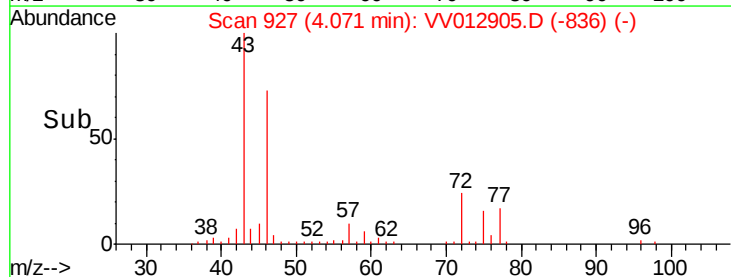
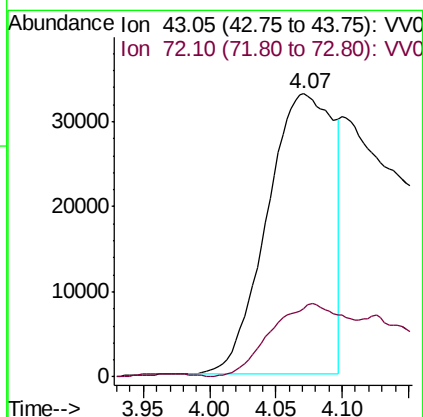
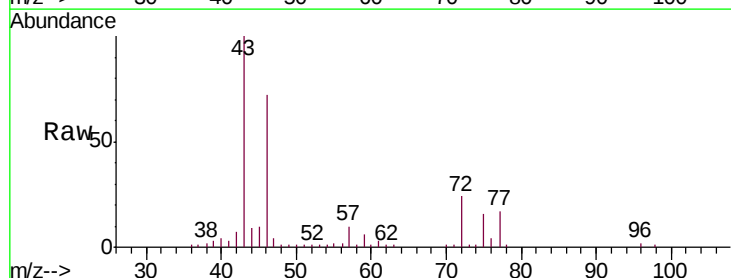
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00540

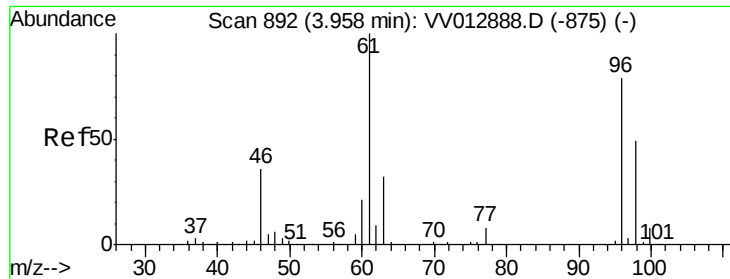
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.6	22.0	41.0
83	12.9	9.2	17.0



#21
 2-Butanone
 Concen: 16.713 ug/L
 RT: 4.07 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VV012905.D
 Acq: 18 Sep 2019 19:51

Tgt Ion	Ratio	Lower	Upper
43	100		
72	29.5	10.4	31.2



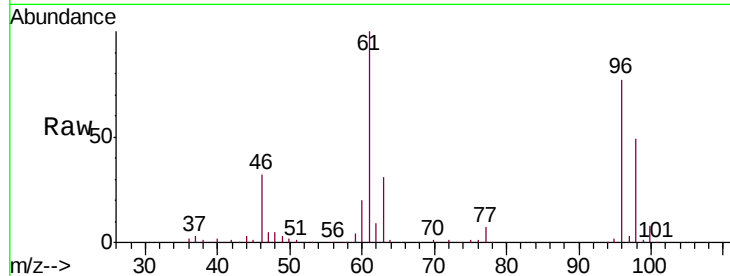


#22

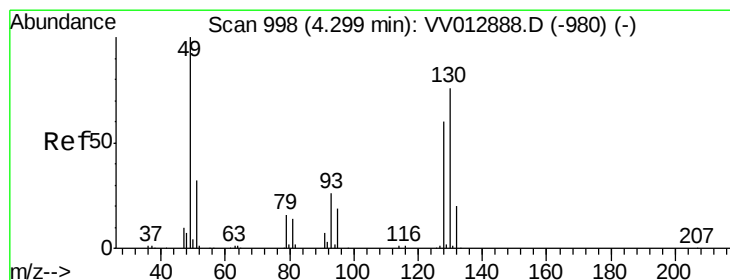
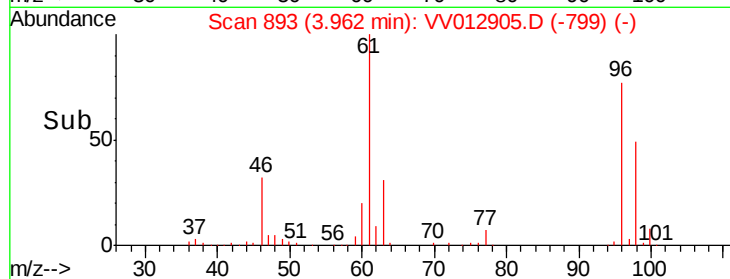
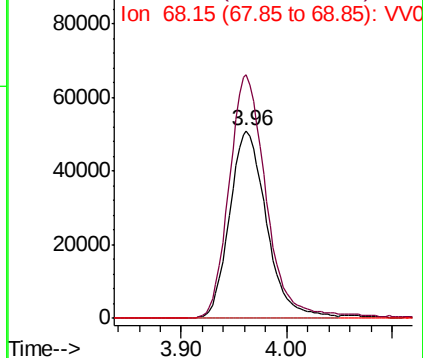
cis-1,2-Dichloroethene
Concen: 4.854 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV012905.D
Acq: 18 Sep 2019 19:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD00540

Tgt Ion: 96 Resp: 123843
Ion Ratio Lower Upper
96 100
61 129.8 91.8 170.6
68 0.0 0.0 0.0



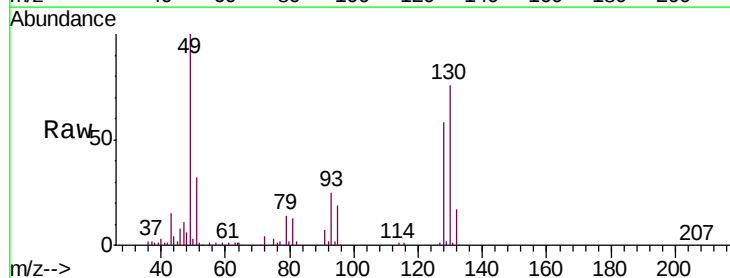
Abundance Ion 96.00 (95.70 to 96.70): VV012888.D (-875) (-)
Ion 61.05 (60.75 to 61.75): VV012888.D (-875) (-)
Ion 68.15 (67.85 to 68.85): VV012888.D (-875) (-)



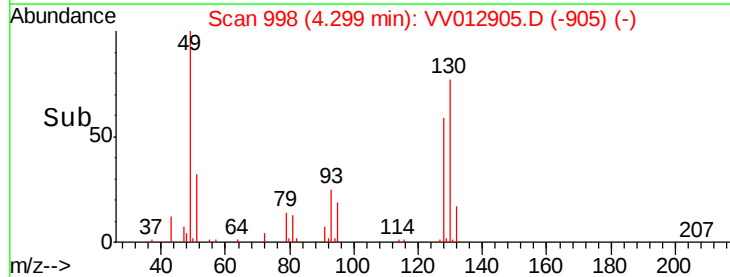
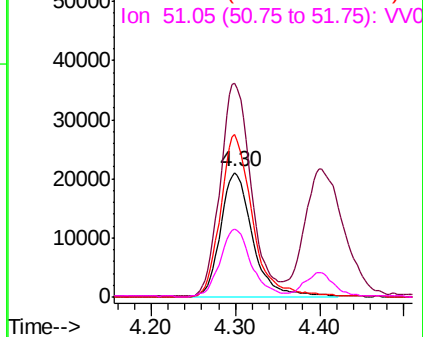
#23

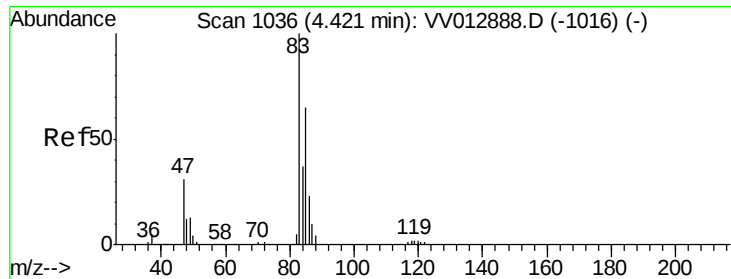
Bromochloromethane
Concen: 4.950 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV012905.D
Acq: 18 Sep 2019 19:51

Tgt Ion: 128 Resp: 55922
Ion Ratio Lower Upper
128 100
49 172.0 119.6 222.0
130 130.8 89.8 166.8
51 54.9 45.8 68.6



Abundance Ion 127.90 (127.60 to 128.60): VV012888.D (-980) (-)
Ion 49.10 (48.80 to 49.80): VV012888.D (-980) (-)
Ion 129.95 (129.65 to 130.65): VV012888.D (-980) (-)
Ion 51.05 (50.75 to 51.75): VV012888.D (-980) (-)

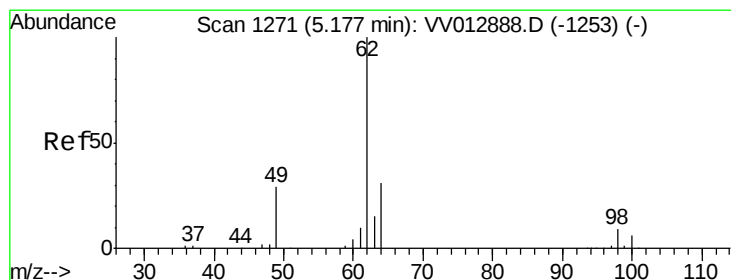
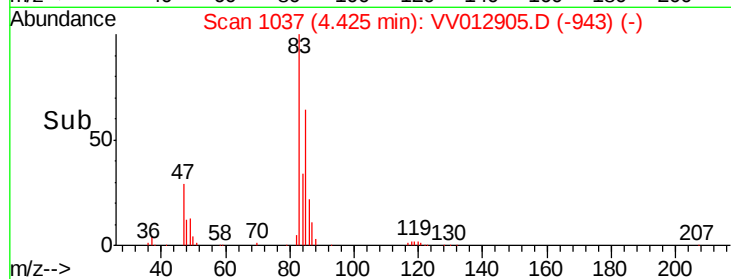
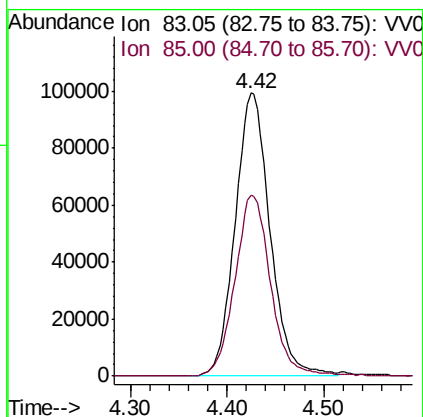
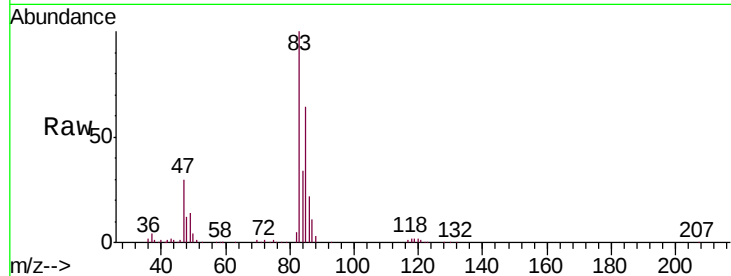




#25
Chloroform
Concen: 4.729 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012905.D
Acq: 18 Sep 2019 19:51

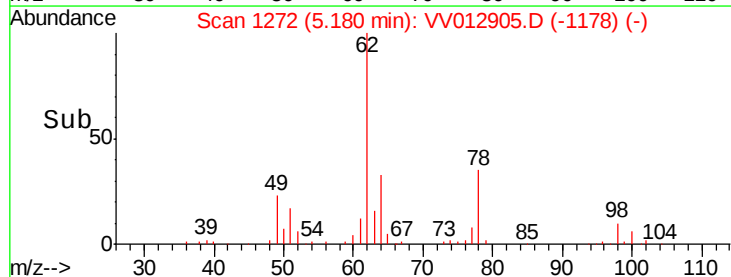
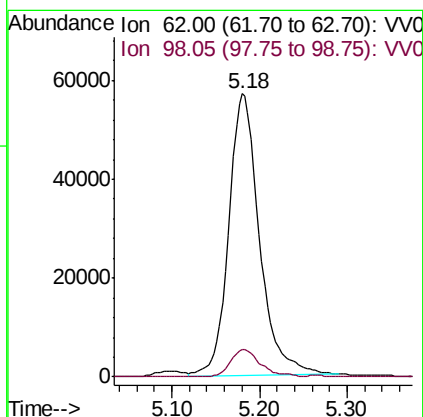
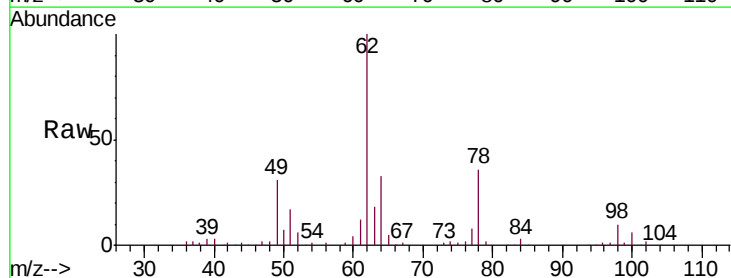
Instrument :
MSVOA_V
ClientSampleId :
VSTD00540

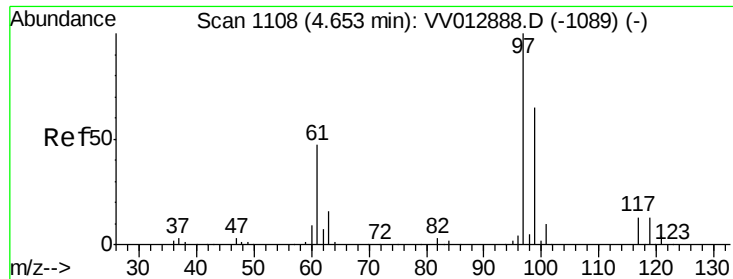
Tgt Ion: 83 Resp: 249592
Ion Ratio Lower Upper
83 100
85 63.8 44.4 82.5



#27
1,2-Dichloroethane
Concen: 4.938 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012905.D
Acq: 18 Sep 2019 19:51

Tgt Ion: 62 Resp: 138597
Ion Ratio Lower Upper
62 100
98 9.7 7.8 11.8

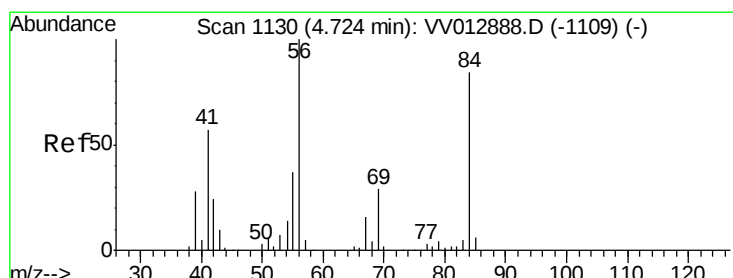
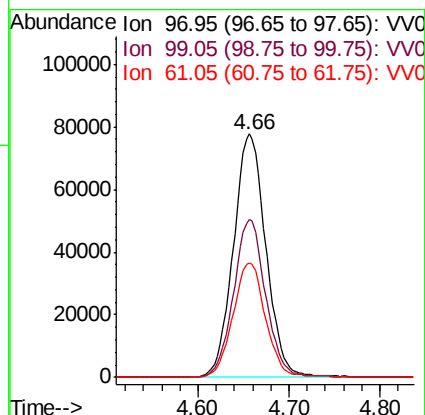
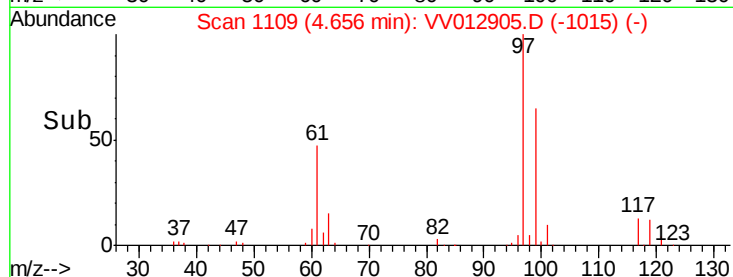
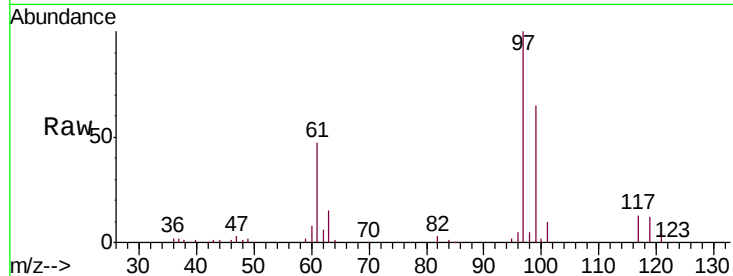




#29
 1,1,1-Trichloroethane
 Concen: 4.978 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV012905.D
 Acq: 18 Sep 2019 19:51

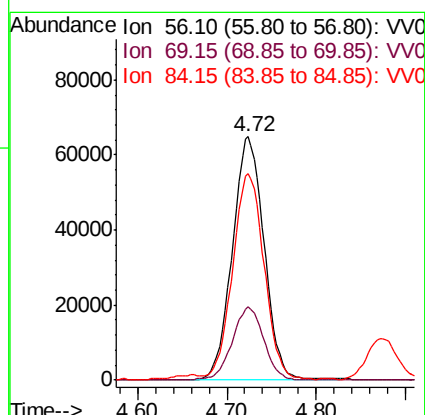
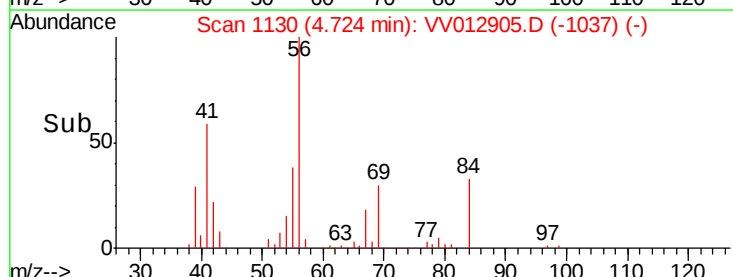
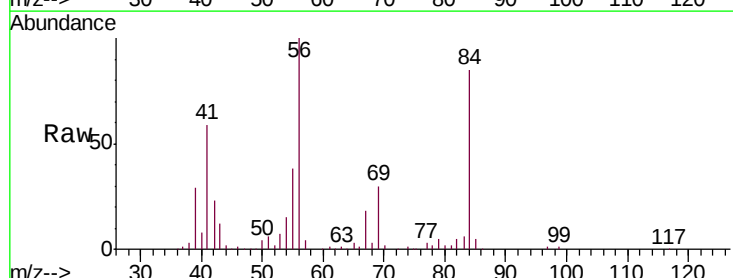
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00540

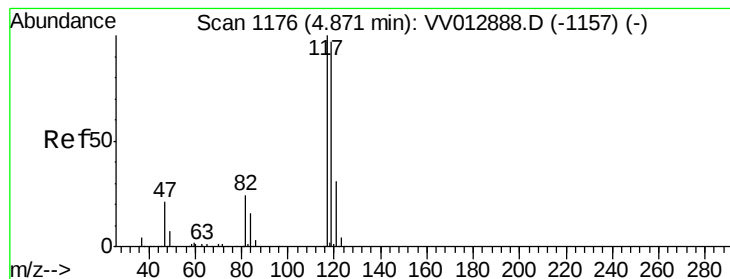
Tgt Ion: 97 Resp: 192787
 Ion Ratio Lower Upper
 97 100
 99 63.8 50.9 76.3
 61 47.0 38.2 57.2



#30
 Cyclohexane
 Concen: 4.958 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV012905.D
 Acq: 18 Sep 2019 19:51

Tgt Ion: 56 Resp: 160142
 Ion Ratio Lower Upper
 56 100
 69 29.8 24.4 36.6
 84 83.8 69.3 103.9





#31

Carbon tetrachloride

Concen: 4.963 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV012905.D

Acq: 18 Sep 2019 19:51

Instrument :

MSVOA_V

ClientSampleId :

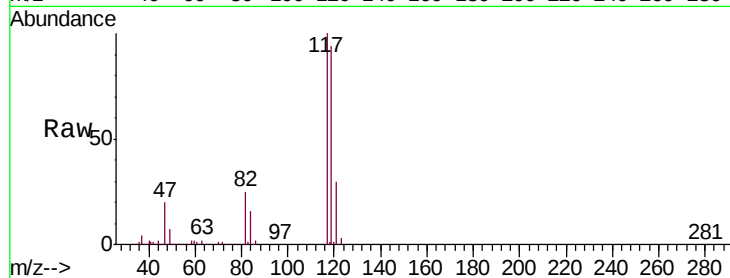
VSTD00540

Tgt Ion:117 Resp: 162810

Ion Ratio Lower Upper

117 100

119 95.3 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

60000

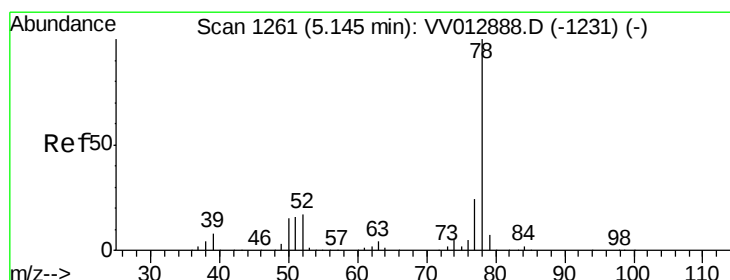
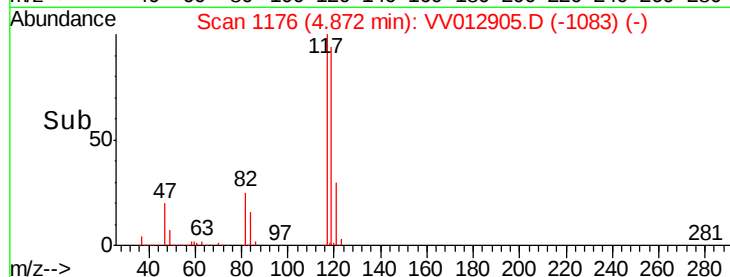
40000

20000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 5.088 ug/L

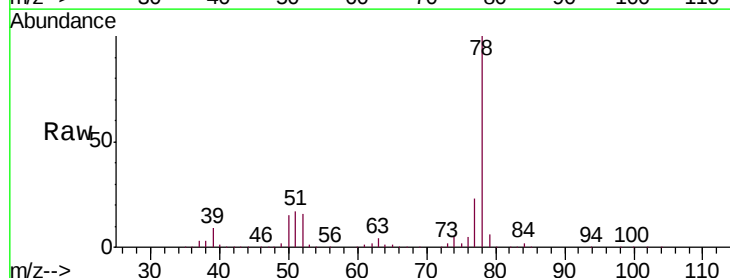
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV012905.D

Acq: 18 Sep 2019 19:51

Tgt Ion: 78 Resp: 492089



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.15

250000

200000

150000

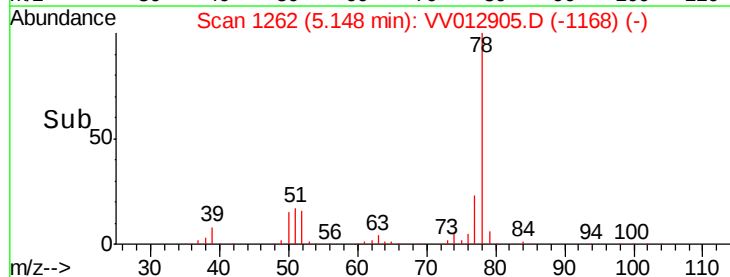
100000

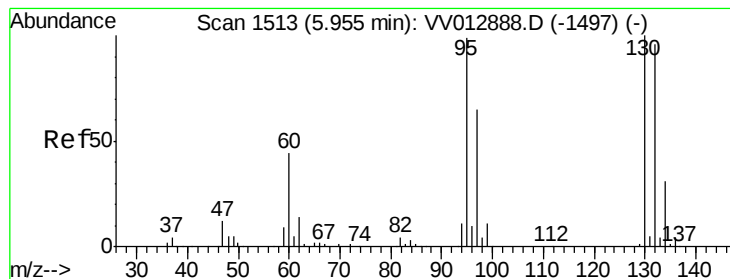
50000

0

Time-->

5.00 5.10 5.20 5.30





#34

Trichloroethene

Concen: 4.940 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012905.D

Acq: 18 Sep 2019 19:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00540

Tgt Ion: 95 Resp: 123055

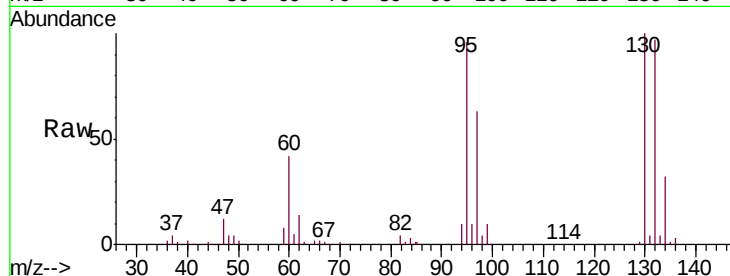
Ion Ratio Lower Upper

95 100

97 65.5 45.3 84.1

132 100.8 70.6 131.0

130 104.0 71.8 133.4

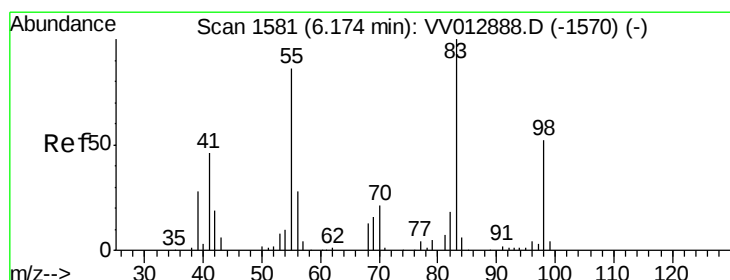
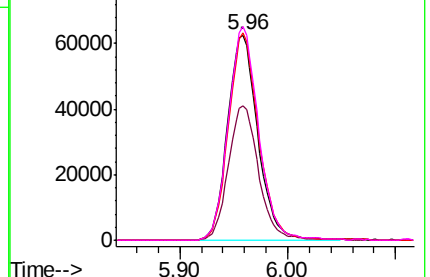
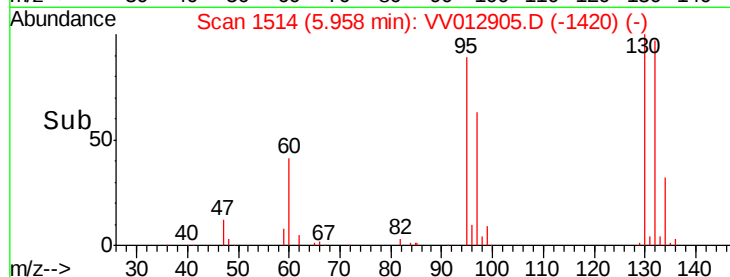


Abundance Ion 95.00 (94.70 to 95.70): VV012905.D (-1420) (-)

Ion 96.95 (96.65 to 97.65): VV012905.D (-1420) (-)

Ion 131.95 (131.65 to 132.65): VV012905.D (-1420) (-)

Ion 129.95 (129.65 to 130.65): VV012905.D (-1420) (-)



#35

Methylcyclohexane

Concen: 4.919 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV012905.D

Acq: 18 Sep 2019 19:51

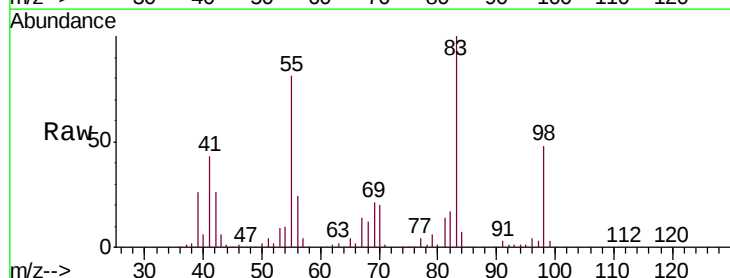
Tgt Ion: 83 Resp: 164428

Ion Ratio Lower Upper

83 100

55 79.9 63.8 95.6

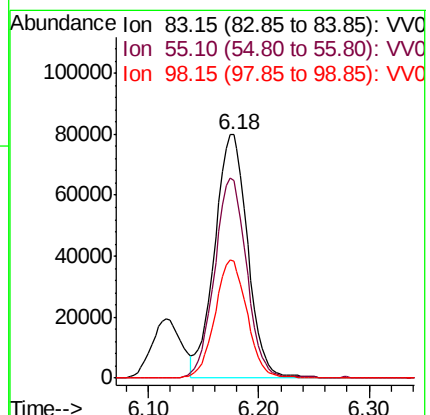
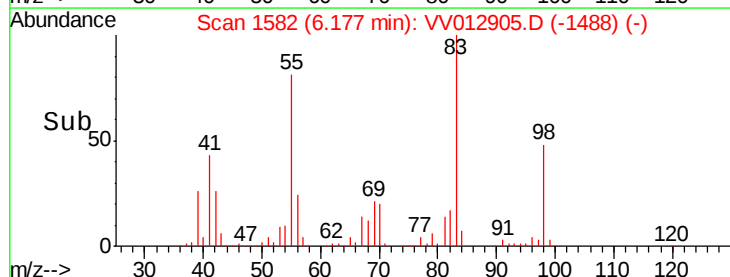
98 47.5 38.2 57.4

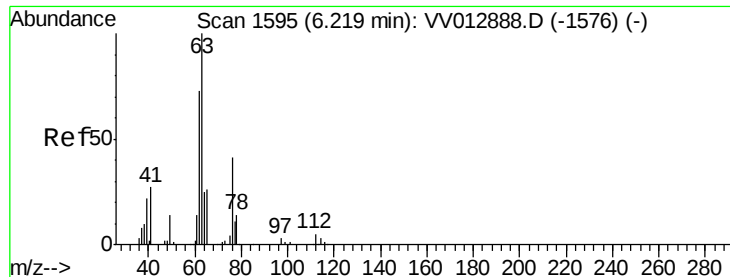


Abundance Ion 83.15 (82.85 to 83.85): VV012905.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV012905.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV012905.D (-1488) (-)

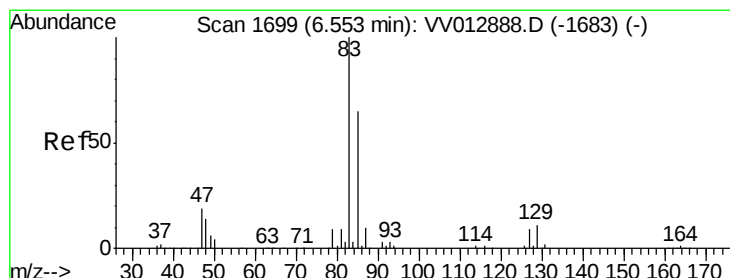
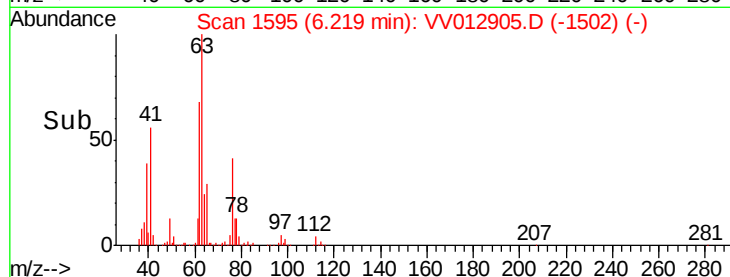
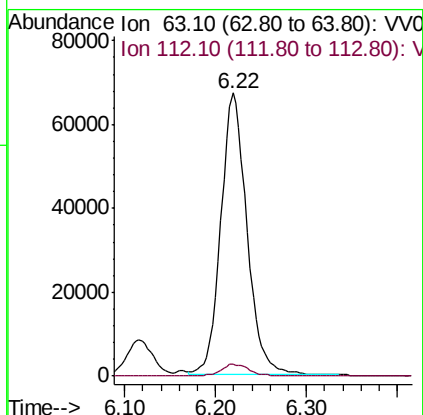
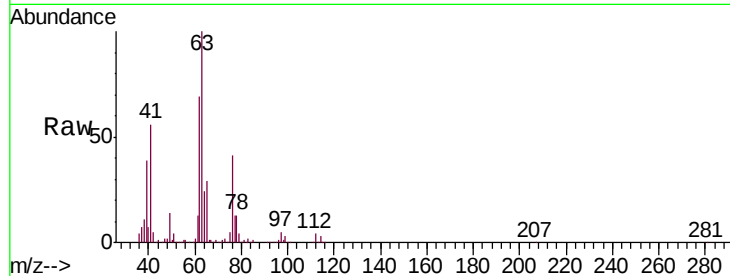




#37
 1,2-Dichloropropane
 Concen: 5.108 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012905.D
 Acq: 18 Sep 2019 19:51

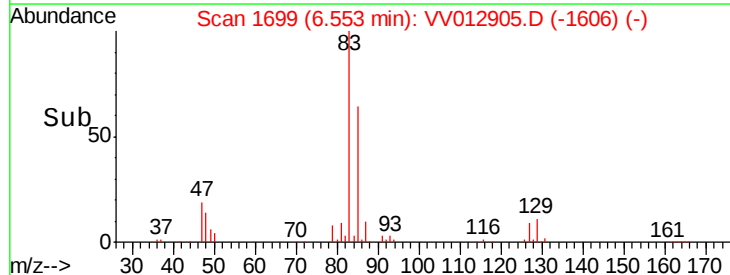
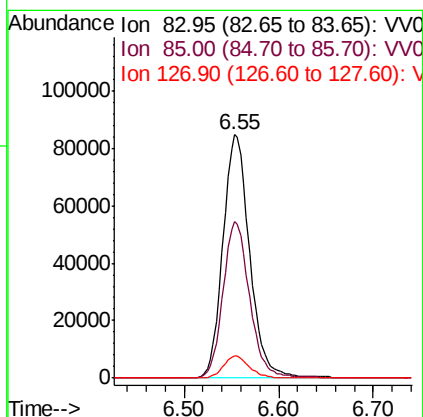
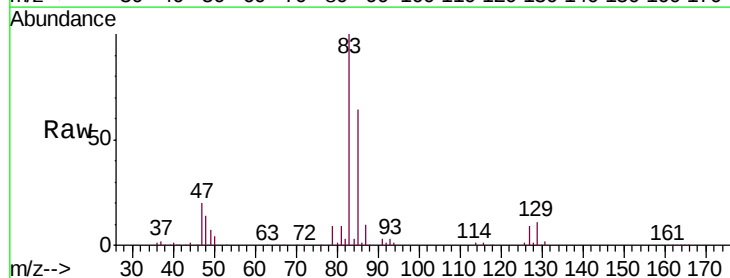
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00540

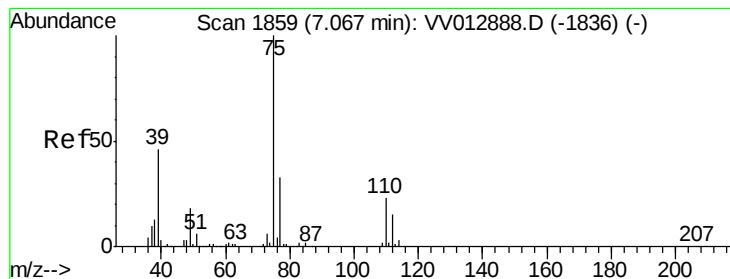
Tgt Ion: 63 Resp: 134613
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.857 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012905.D
 Acq: 18 Sep 2019 19:51

Tgt Ion: 83 Resp: 166570
 Ion Ratio Lower Upper
 83 100
 85 64.4 44.9 83.5
 127 9.2 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 4.735 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV012905.D

Acq: 18 Sep 2019 19:51

Instrument :

MSVOA_V

ClientSampleId :

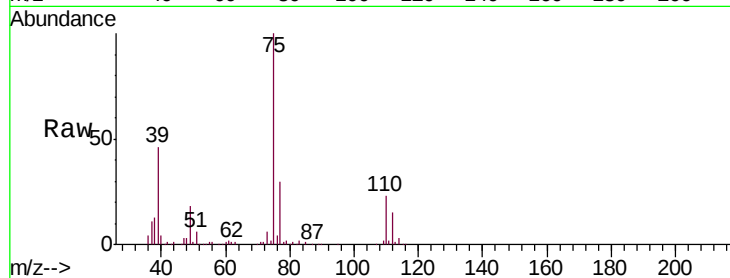
VSTD00540

Tgt Ion: 75 Resp: 165305

Ion Ratio Lower Upper

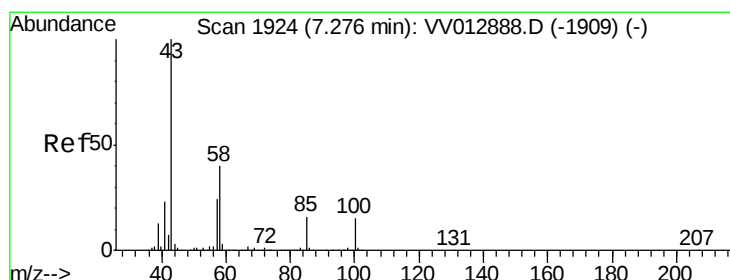
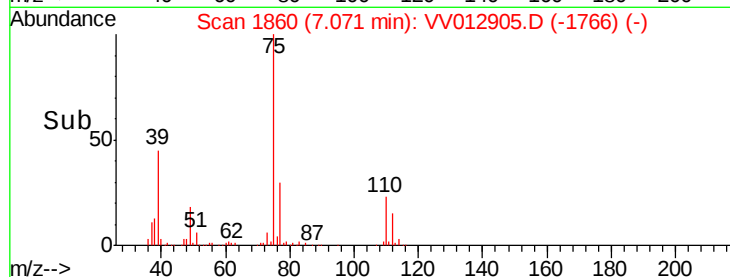
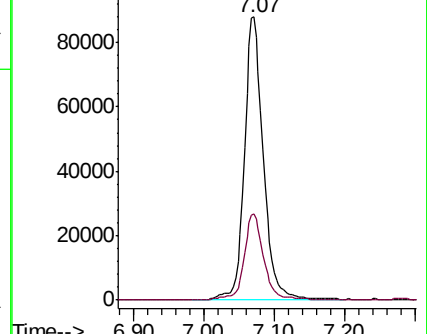
75 100

77 30.3 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 48.812 ug/L

RT: 7.28 min Scan# 1925

Delta R.T. 0.00 min

Lab File: VV012905.D

Acq: 18 Sep 2019 19:51

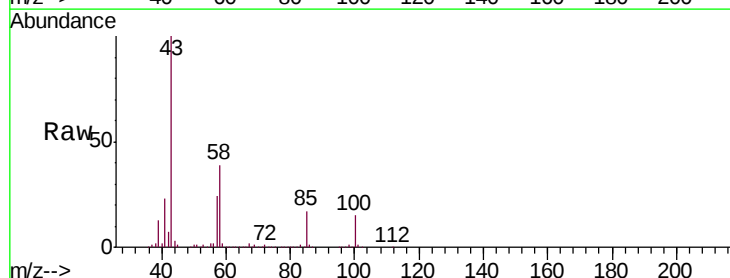
Tgt Ion: 43 Resp: 828351

Ion Ratio Lower Upper

43 100

58 39.2 30.8 46.2

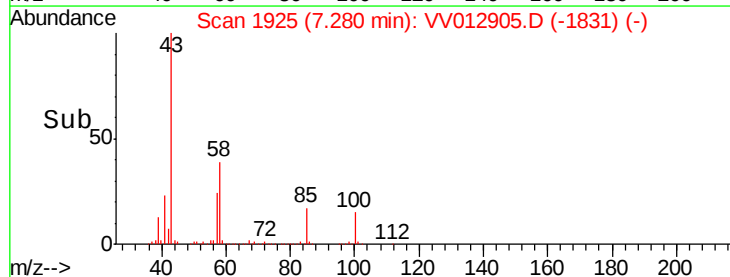
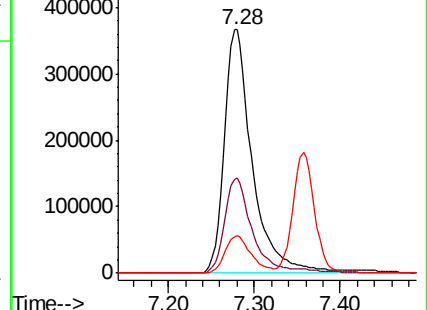
100 14.3 11.8 17.6

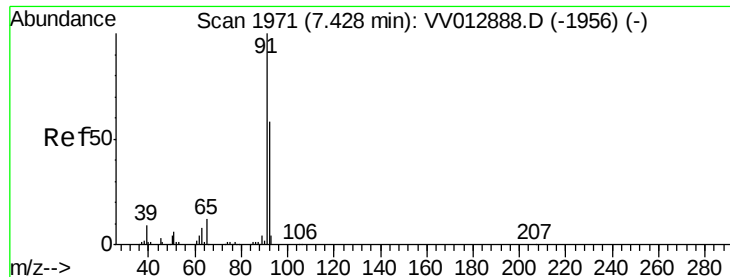


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 5.216 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012905.D

Acq: 18 Sep 2019 19:51

Instrument :

MSVOA_V

ClientSampleId :

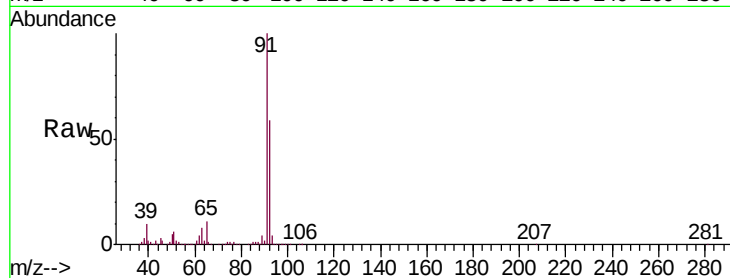
VSTD00540

Tgt Ion: 91 Resp: 525194

Ion Ratio Lower Upper

91 100

92 58.7 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

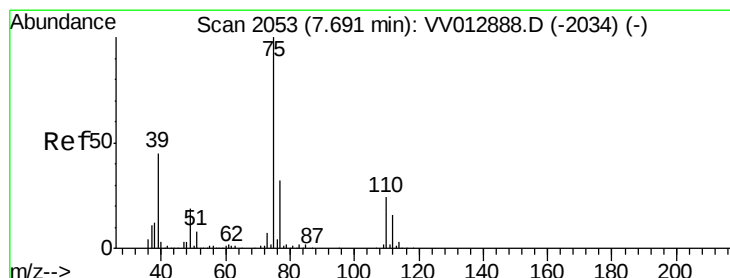
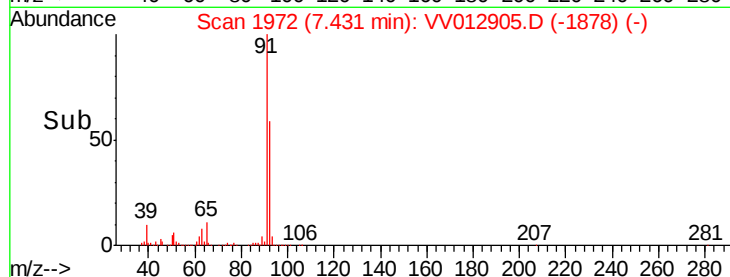
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.823 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012905.D

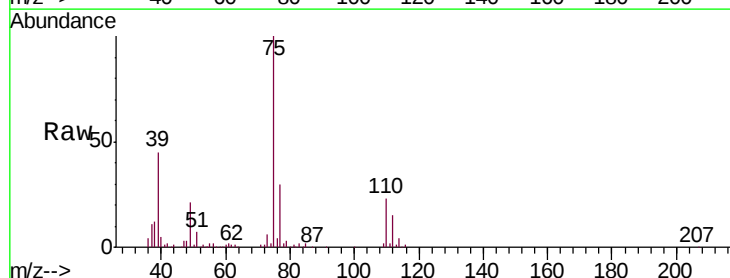
Acq: 18 Sep 2019 19:51

Tgt Ion: 75 Resp: 134477

Ion Ratio Lower Upper

75 100

77 29.9 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

80000

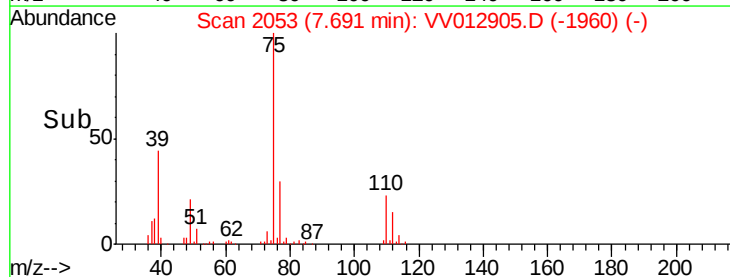
60000

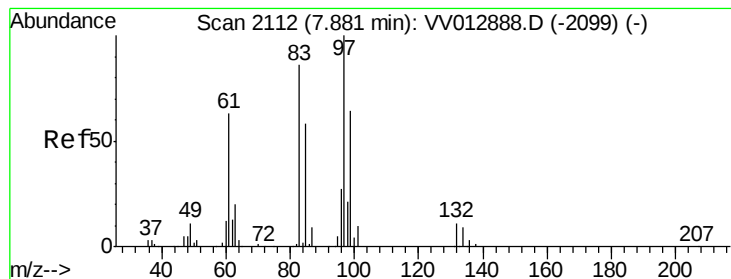
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.775 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV012905.D

Acq: 18 Sep 2019 19:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00540

Tgt Ion: 97 Resp: 94317

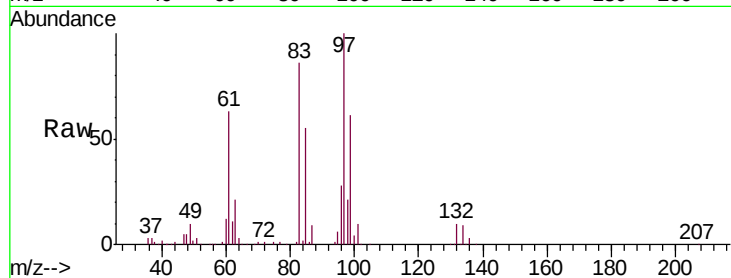
Ion Ratio Lower Upper

97 100

99 61.5 43.7 81.1

83 85.7 60.6 112.6

85 55.4 38.9 72.3

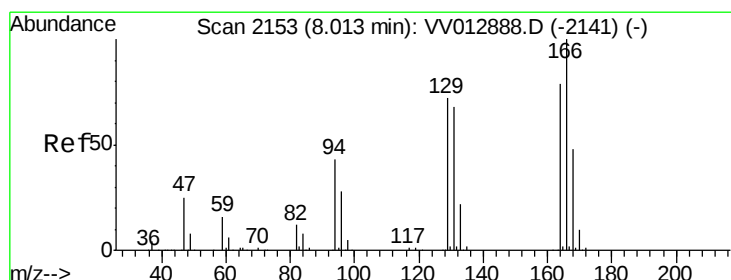
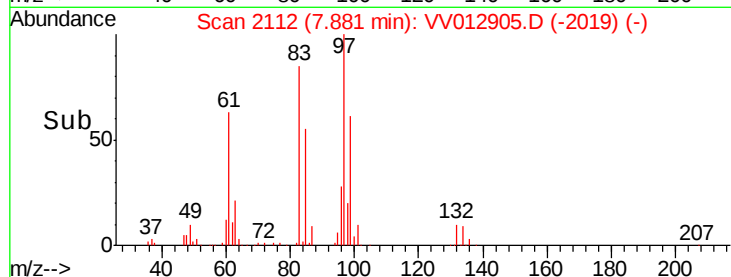
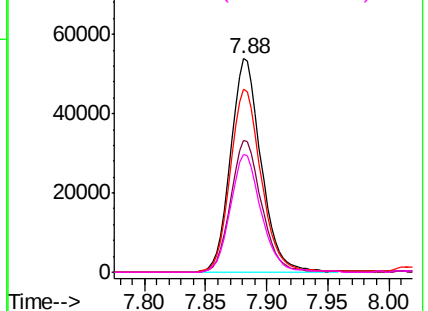


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 4.937 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012905.D

Acq: 18 Sep 2019 19:51

Tgt Ion: 164 Resp: 98819

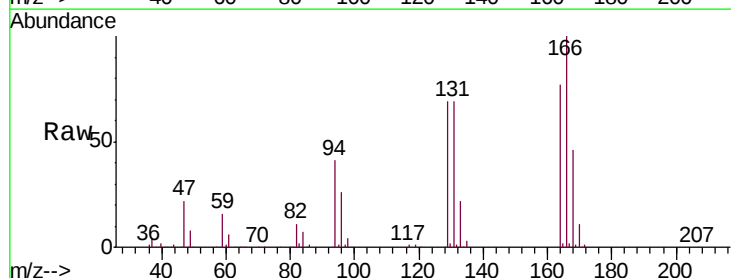
Ion Ratio Lower Upper

164 100

129 90.4 63.8 118.6

131 89.8 63.1 117.3

166 130.6 89.9 166.9

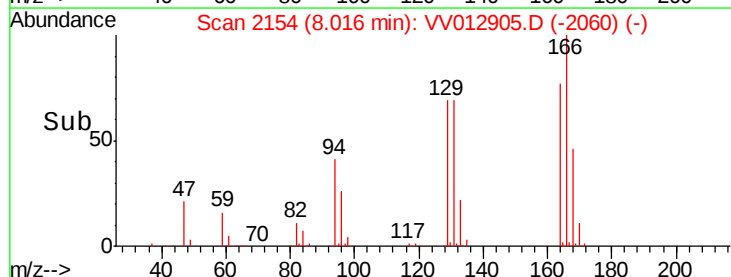
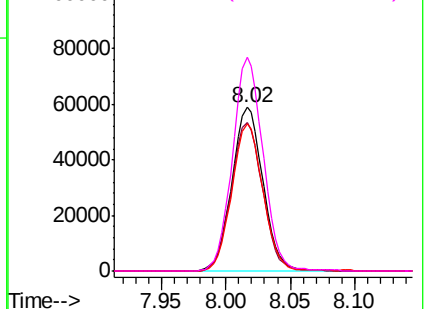


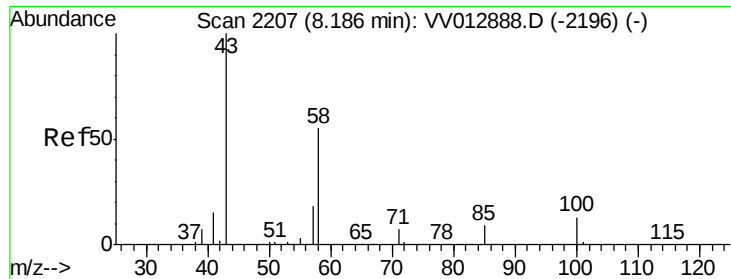
Abundance Ion 163.90 (163.60 to 164.60): V

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

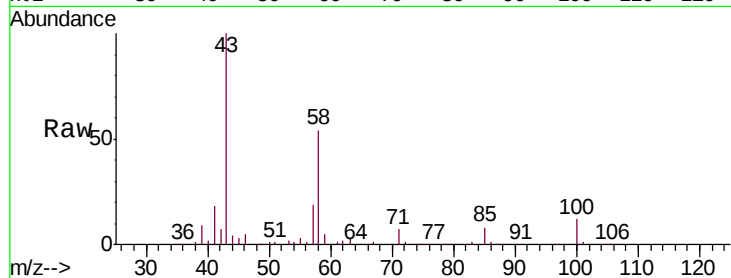




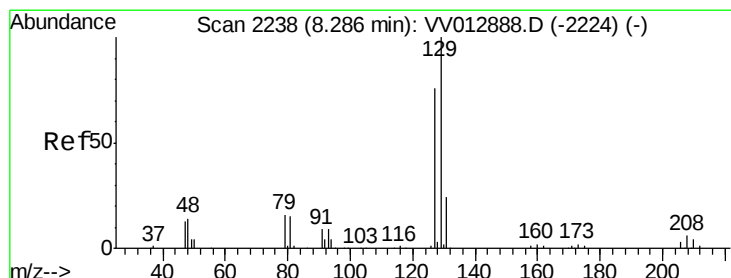
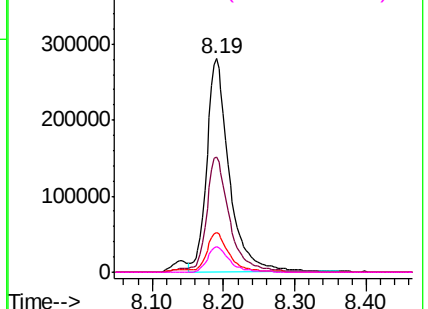
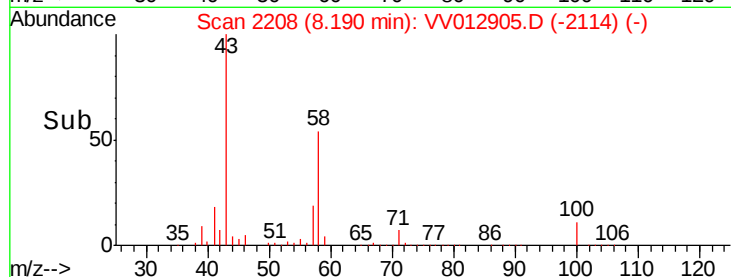
#48
2-Hexanone
Concen: 49.934 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV012905.D
Acq: 18 Sep 2019 19:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD00540

Tgt Ion: 43 Resp: 612269
Ion Ratio Lower Upper
43 100
58 56.1 44.5 66.7
57 18.3 15.0 22.6
100 11.5 9.7 14.5

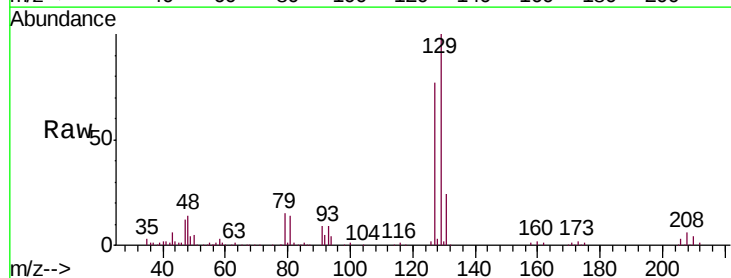


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

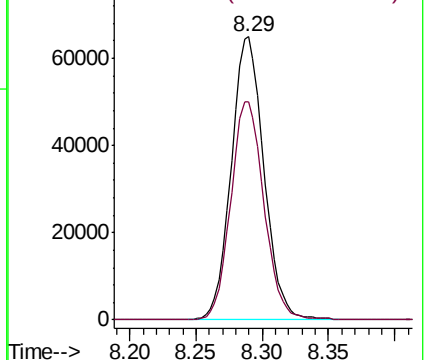
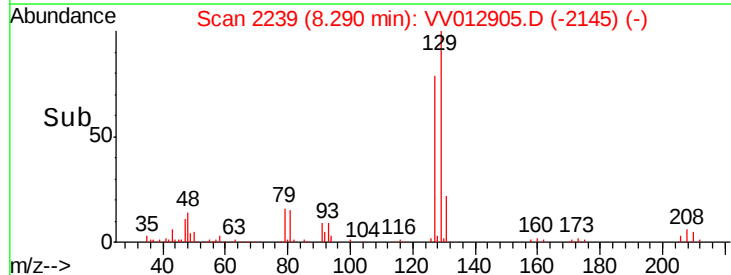


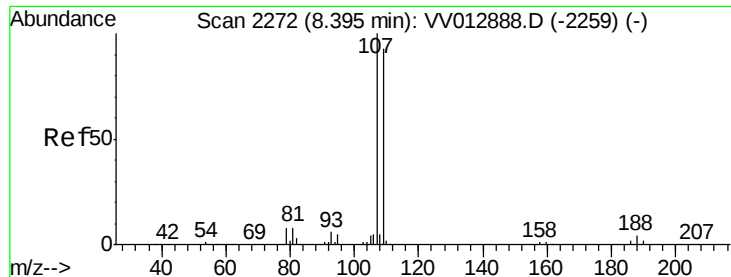
#49
Dibromochloromethane
Concen: 4.951 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012905.D
Acq: 18 Sep 2019 19:51

Tgt Ion: 129 Resp: 111343
Ion Ratio Lower Upper
129 100
127 76.9 54.7 101.7



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





#50

1,2-Dibromoethane

Concen: 4.919 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV012905.D

Acq: 18 Sep 2019 19:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00540

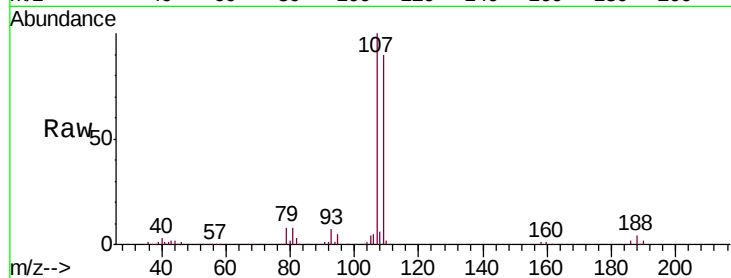
Tgt Ion:107 Resp: 80850

Ion Ratio Lower Upper

107 100

109 90.0 68.0 126.2

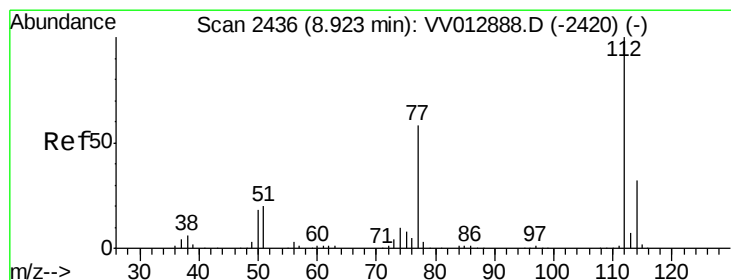
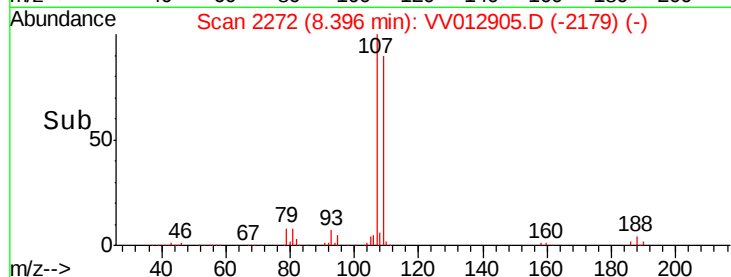
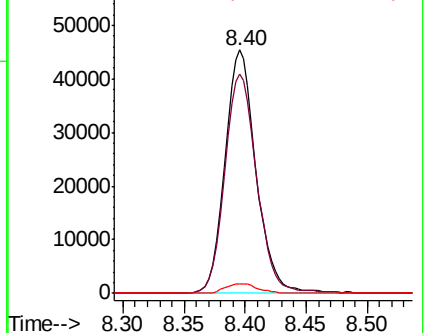
188 3.8 3.2 4.8



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: 4.988 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV012905.D

Acq: 18 Sep 2019 19:51

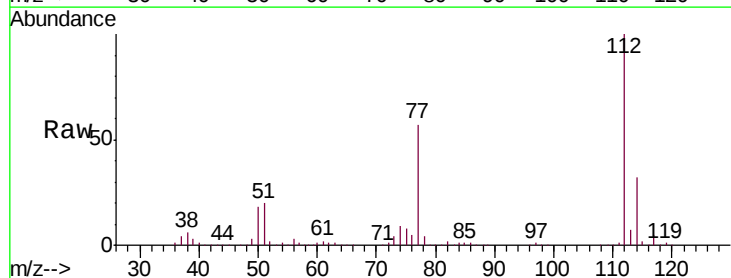
Tgt Ion:112 Resp: 344656

Ion Ratio Lower Upper

112 100

114 32.0 22.3 41.5

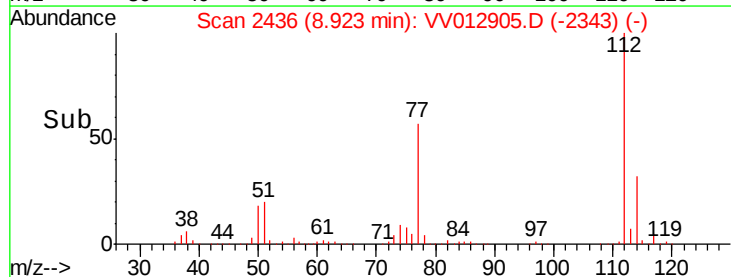
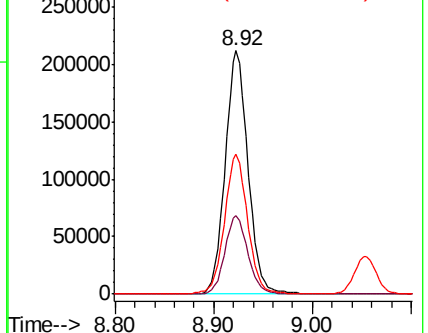
77 57.4 45.8 68.8

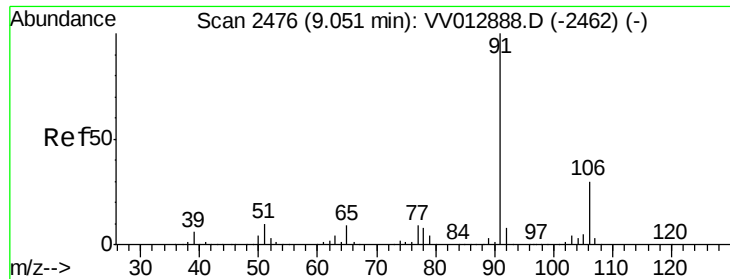


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 5.150 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012905.D

Acq: 18 Sep 2019 19:51

Instrument :

MSVOA_V

ClientSampleId :

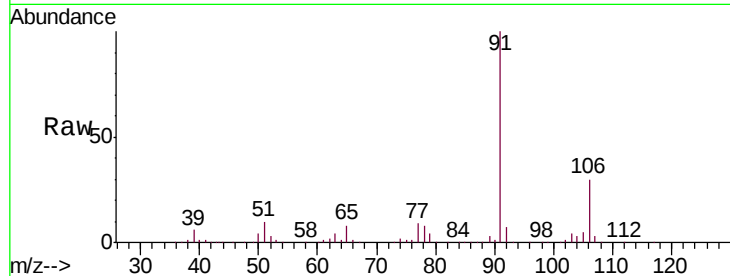
VSTD00540

Tgt Ion: 91 Resp: 556116

Ion Ratio Lower Upper

91 100

106 30.4 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV012888.D (-2462) (-)

Ion 106.15 (105.85 to 106.85): VV012888.D (-2462) (-)

9.05

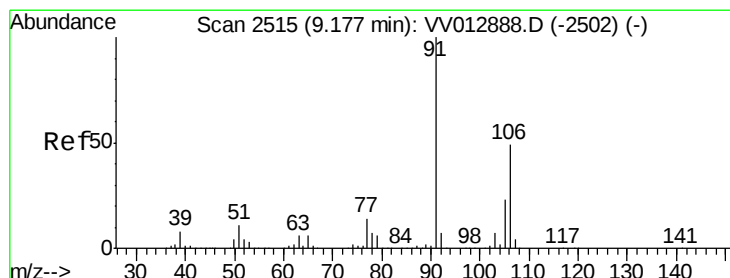
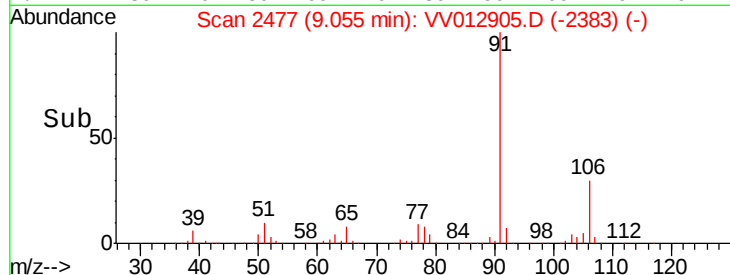
300000

200000

100000

0

Time-->



#53

m,p-xylene

Concen: 5.225 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012905.D

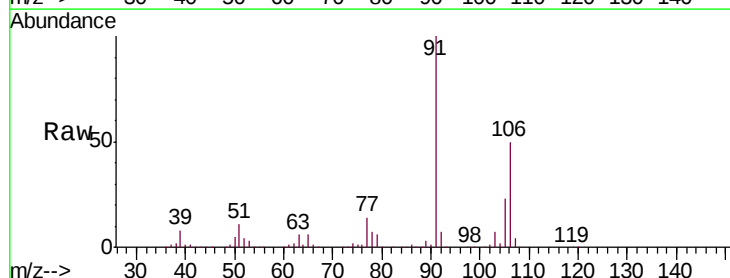
Acq: 18 Sep 2019 19:51

Tgt Ion: 106 Resp: 208110

Ion Ratio Lower Upper

106 100

91 200.4 139.6 259.2



Abundance Ion 106.15 (105.85 to 106.85): VV012888.D (-2502) (-)

Ion 91.15 (90.85 to 91.85): VV012888.D (-2502) (-)

9.18

300000

250000

200000

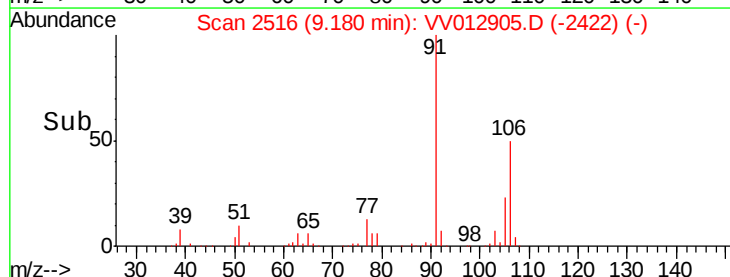
150000

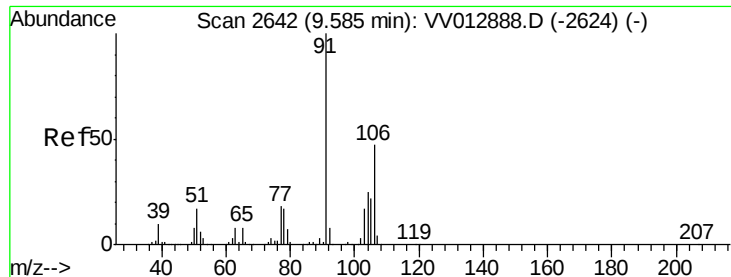
100000

50000

0

Time-->





#54

o-xylene

Concen: 5.263 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012905.D

Acq: 18 Sep 2019 19:51

Instrument :

MSVOA_V

ClientSampleId :

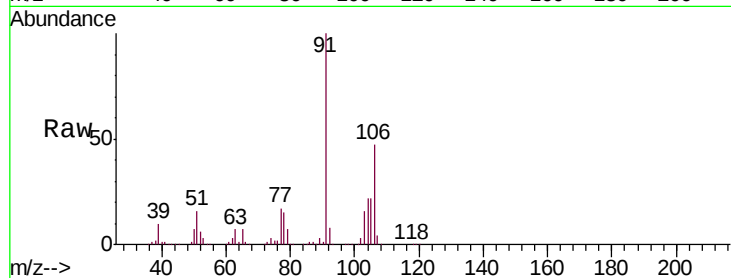
VSTD00540

Tgt Ion:106 Resp: 206097

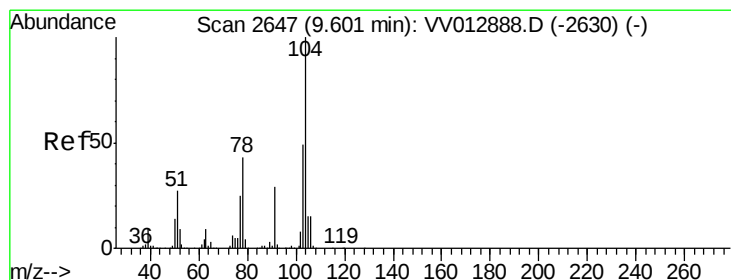
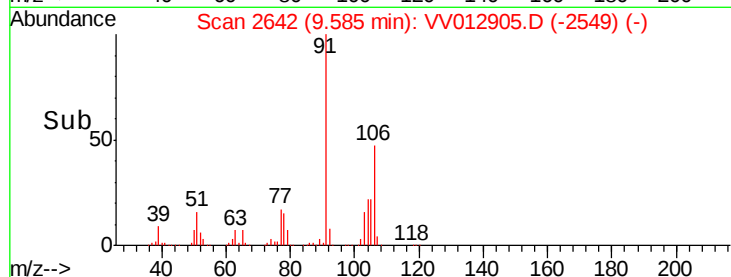
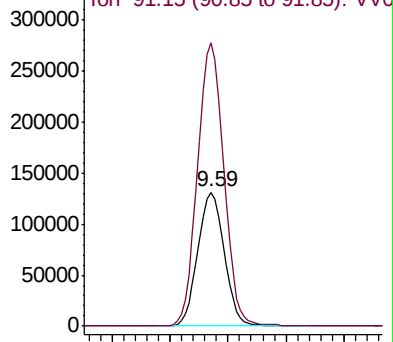
Ion Ratio Lower Upper

106 100

91 211.8 147.4 273.8



Abundance Ion 106.15 (105.85 to 106.85): V



#55

Styrene

Concen: 5.393 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012905.D

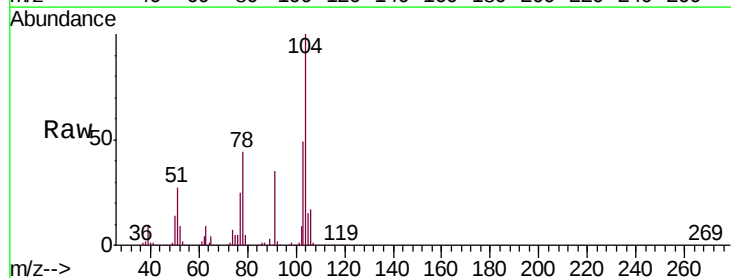
Acq: 18 Sep 2019 19:51

Tgt Ion:104 Resp: 362283

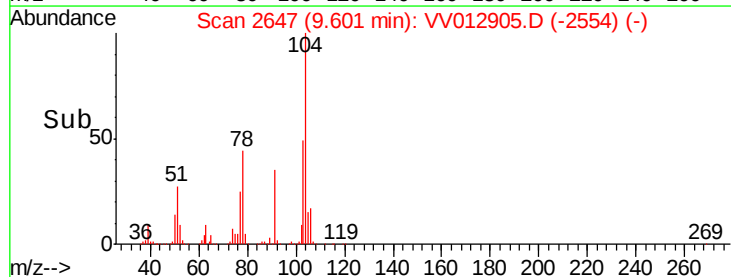
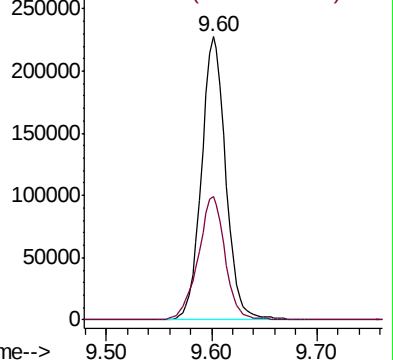
Ion Ratio Lower Upper

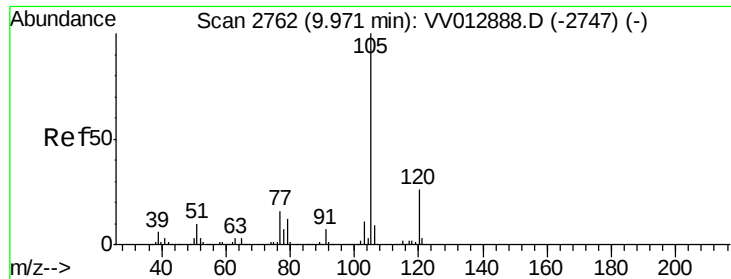
104 100

78 43.7 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): V





#56

Isopropylbenzene

Concen: 5.302 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV012905.D

Acq: 18 Sep 2019 19:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00540

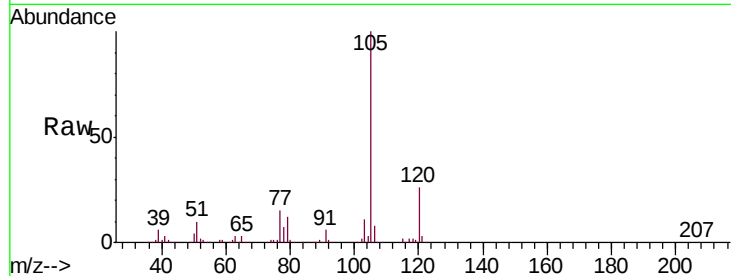
Tgt Ion: 105 Resp: 557112

Ion Ratio Lower Upper

105 100

120 26.2 20.8 31.2

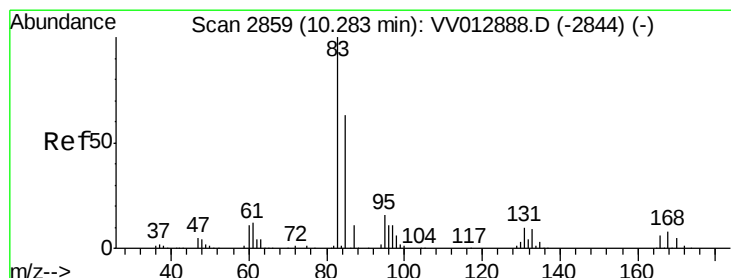
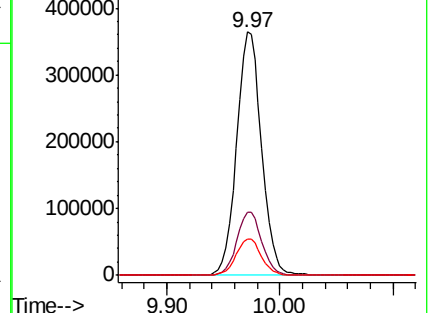
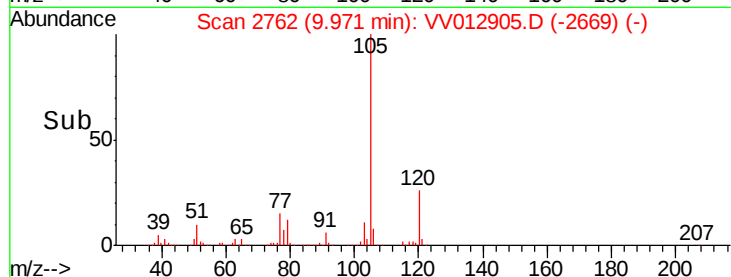
77 15.2 12.6 19.0



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: 4.571 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012905.D

Acq: 18 Sep 2019 19:51

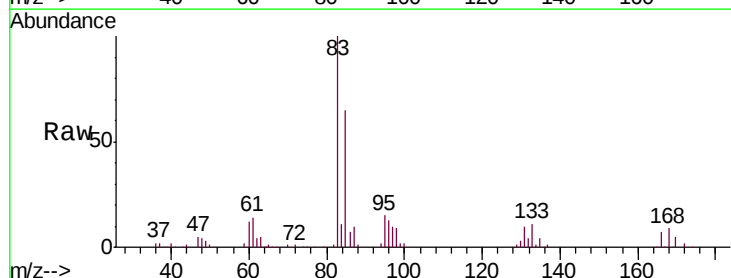
Tgt Ion: 83 Resp: 113051

Ion Ratio Lower Upper

83 100

85 65.0 43.9 81.5

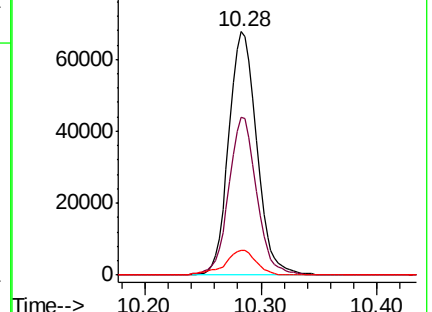
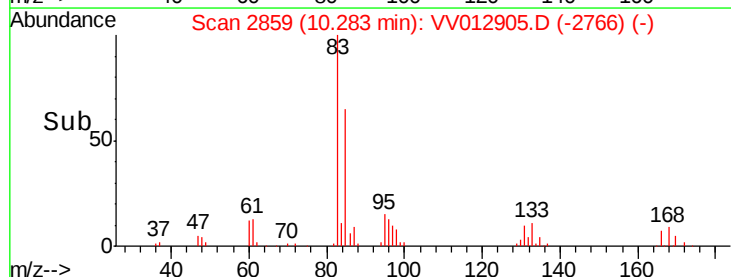
131 10.1 7.5 11.3

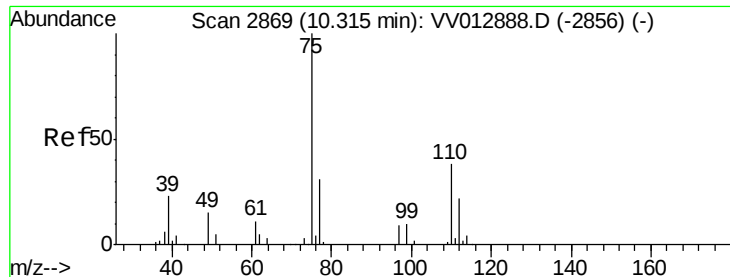


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.765 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012905.D

Acq: 18 Sep 2019 19:51

Instrument :

MSVOA_V

ClientSampleId :

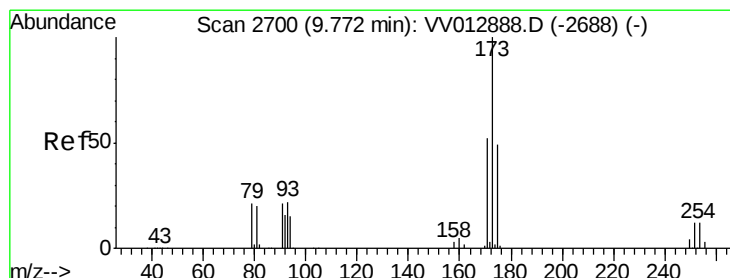
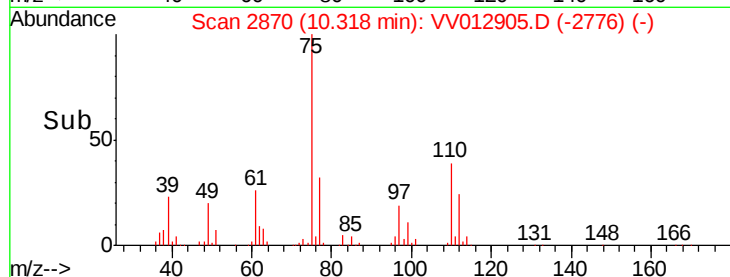
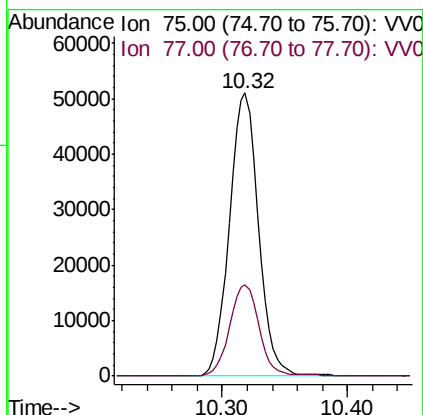
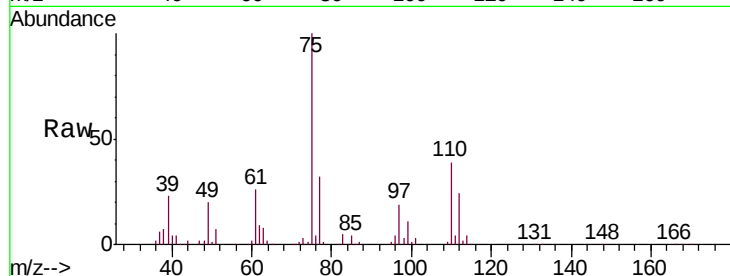
VSTD00540

Tgt Ion: 75 Resp: 81913

Ion Ratio Lower Upper

75 100

77 32.6 26.1 39.1



#61

Bromoform

Concen: 4.731 ug/L

RT: 9.78 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012905.D

Acq: 18 Sep 2019 19:51

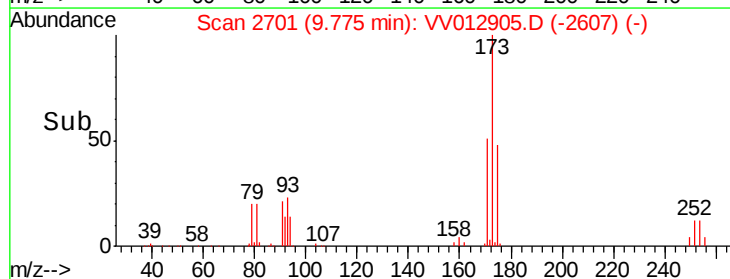
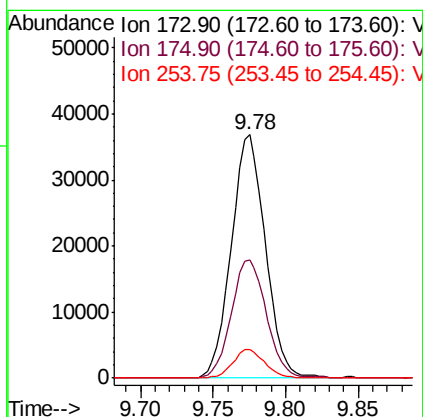
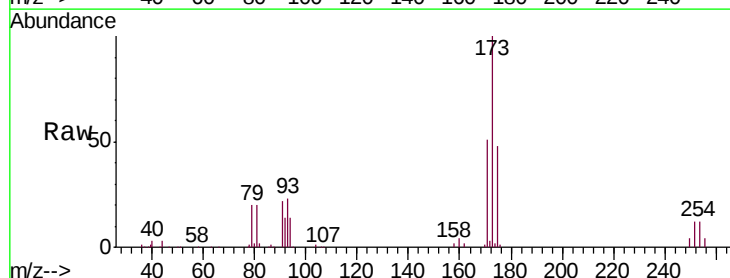
Tgt Ion: 173 Resp: 60053

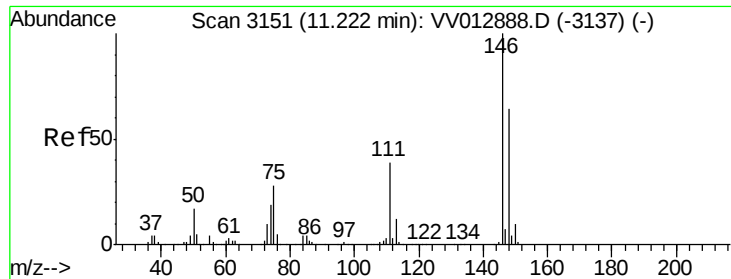
Ion Ratio Lower Upper

173 100

175 49.9 39.2 58.8

254 11.0 9.4 14.0





#62

1,3-Dichlorobenzene

Concen: 4.953 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV012905.D

Acq: 18 Sep 2019 19:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00540

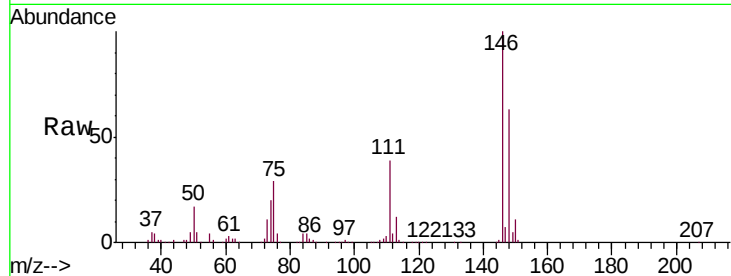
Tgt Ion:146 Resp: 274024

Ion Ratio Lower Upper

146 100

111 39.5 27.8 51.6

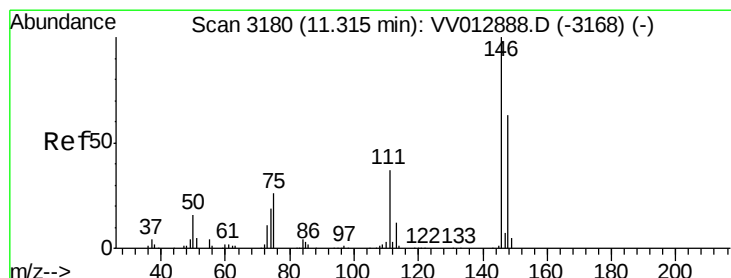
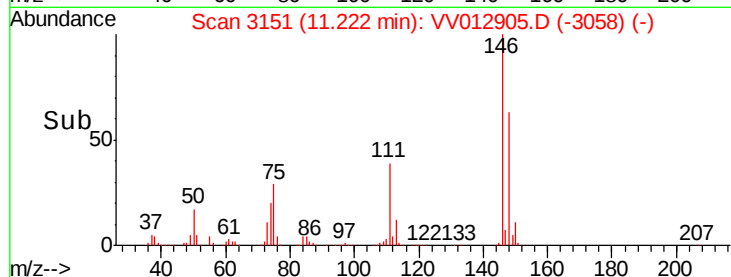
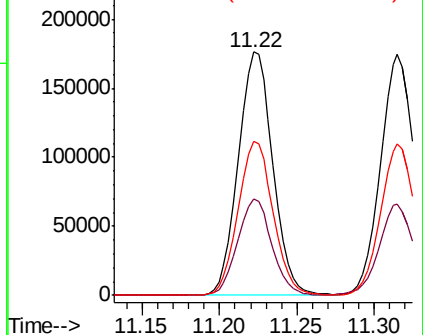
148 63.0 44.6 82.8



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: 4.782 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012905.D

Acq: 18 Sep 2019 19:51

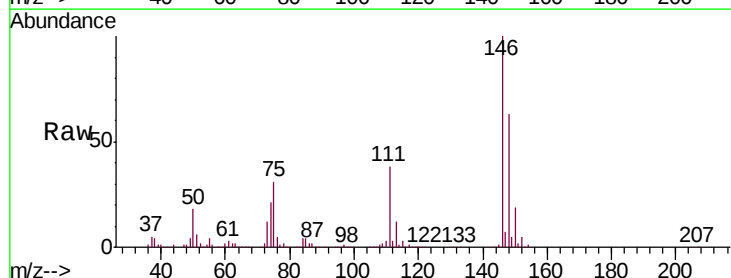
Tgt Ion:146 Resp: 271503

Ion Ratio Lower Upper

146 100

111 37.8 25.6 47.4

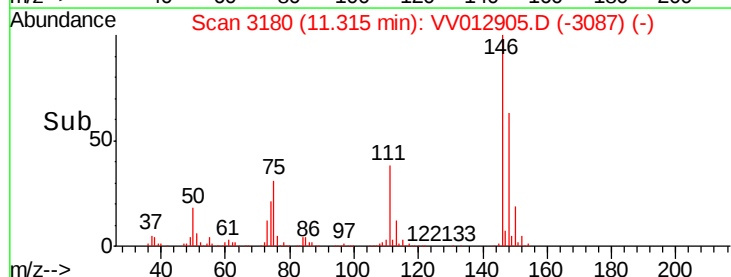
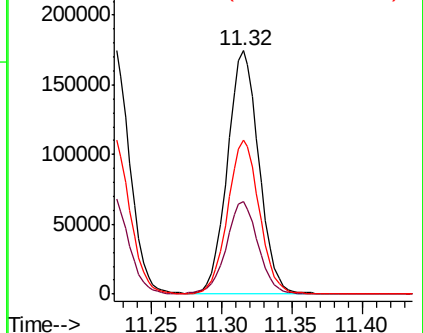
148 63.2 44.5 82.7

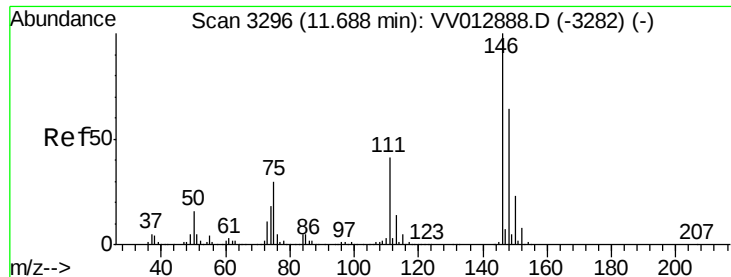


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

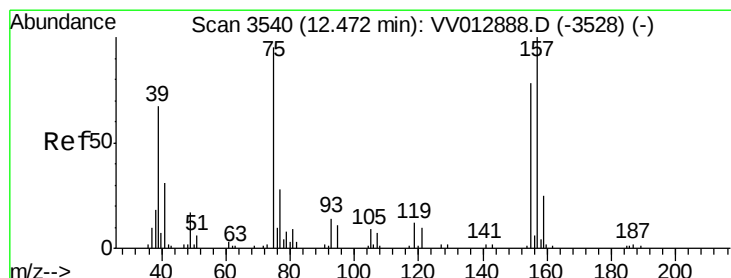
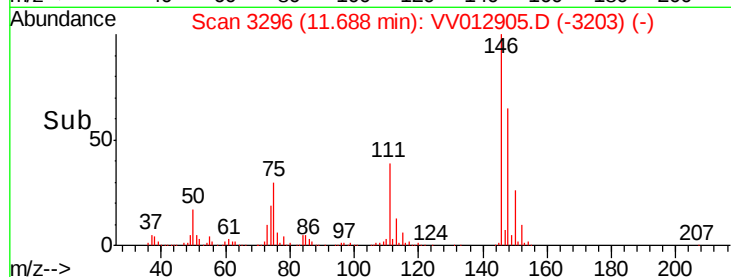
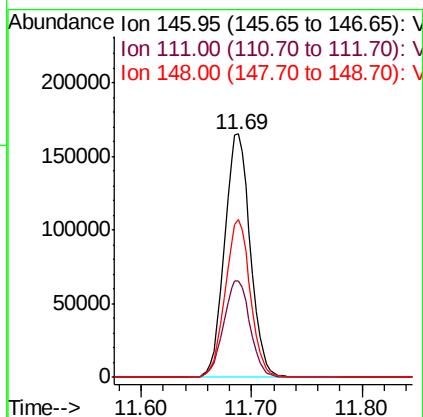
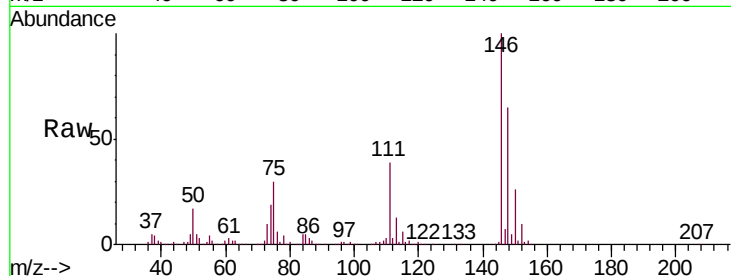




#65
 1,2-Dichlorobenzene
 Concen: 4.877 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012905.D
 Acq: 18 Sep 2019 19:51

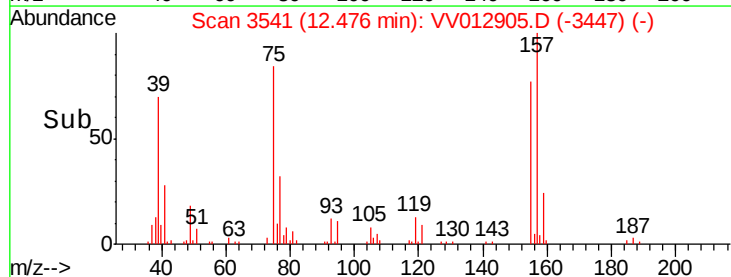
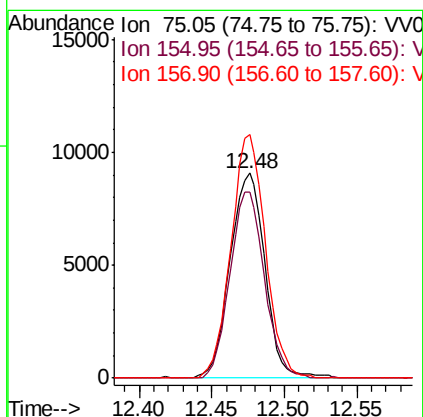
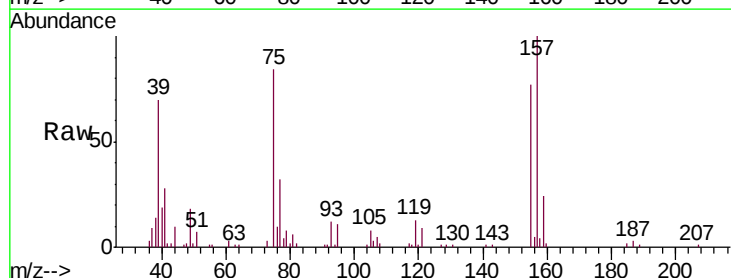
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00540

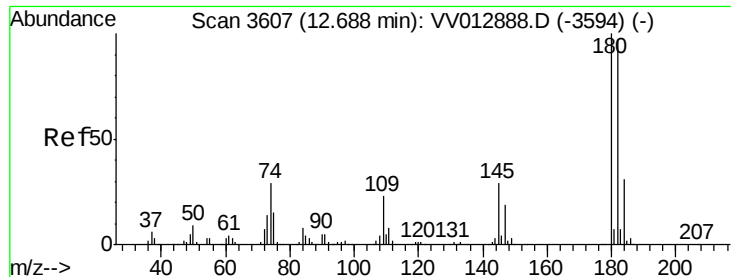
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	32.8	49.2
148	64.6	51.1	76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.052 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV012905.D
 Acq: 18 Sep 2019 19:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.9	72.4	108.6
157	118.8	89.3	133.9

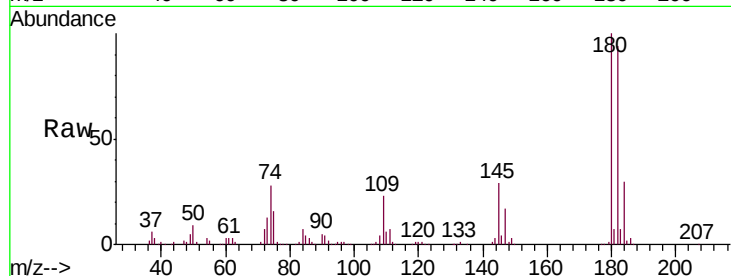




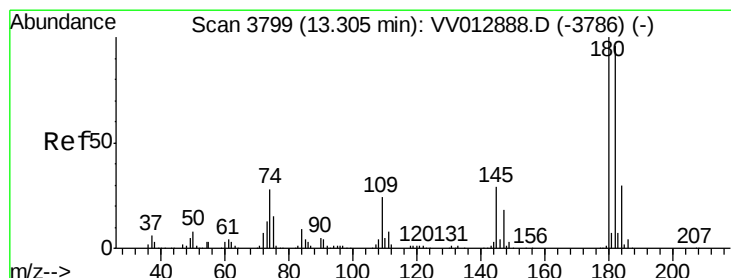
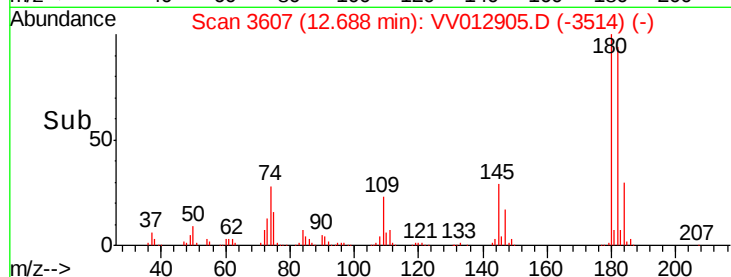
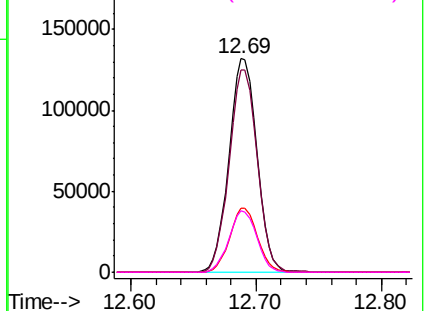
#67
 1,3,5-Trichlorobenzene
 Concen: 4.719 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV012905.D
 Acq: 18 Sep 2019 19:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00540

Tgt Ion:	180	Resp:	204132
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.2	114.4
184	29.8	24.6	36.8
145	28.7	22.1	33.1

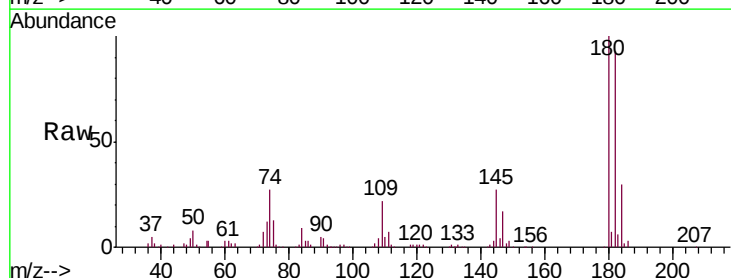


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

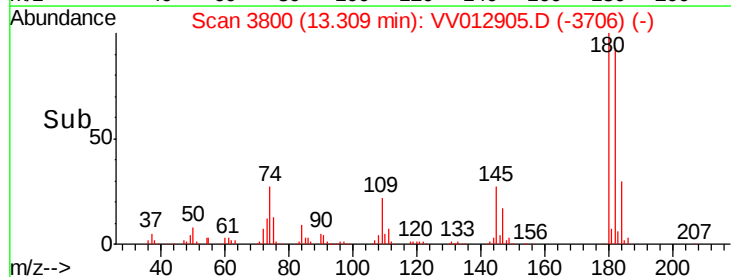
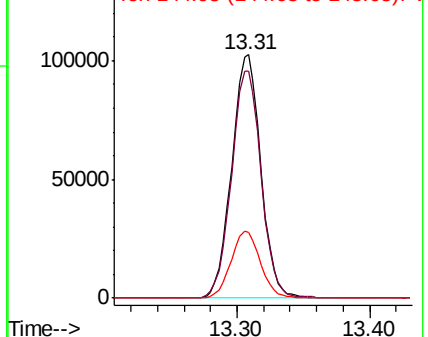


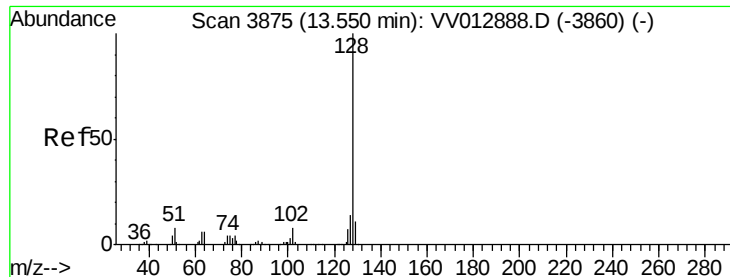
#68
 1,2,4-trichlorobenzene
 Concen: 4.506 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012905.D
 Acq: 18 Sep 2019 19:51

Tgt Ion:	180	Resp:	156526
Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.8	113.6
145	27.8	22.9	34.3



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: 4.073 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012905.D

Acq: 18 Sep 2019 19:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00540

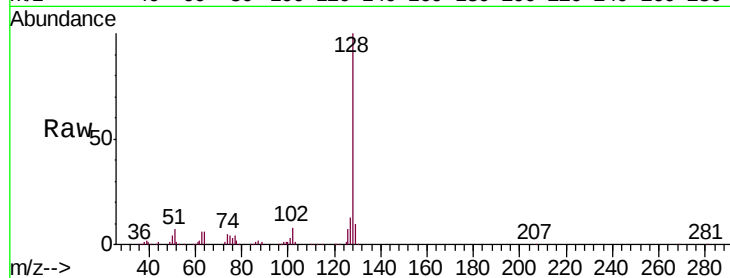
Tgt Ion:128 Resp: 213810

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

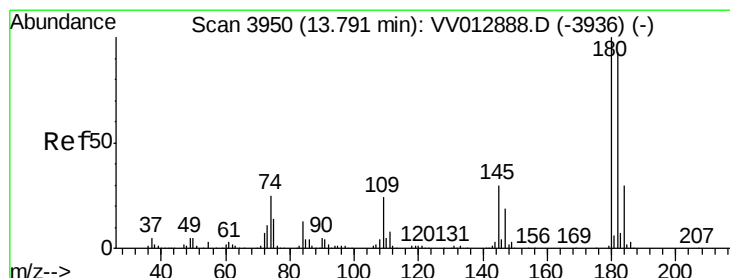
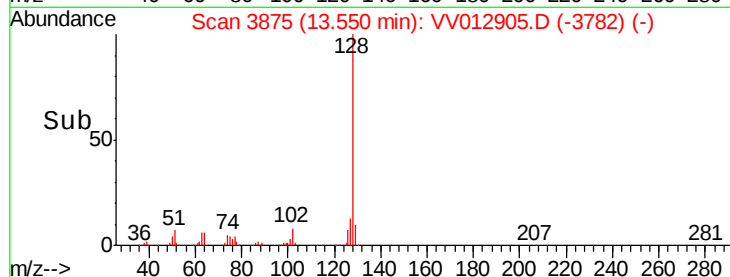
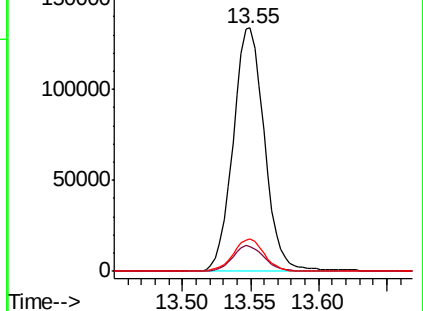
127 13.2 10.5 15.7



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: 4.502 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012905.D

Acq: 18 Sep 2019 19:51

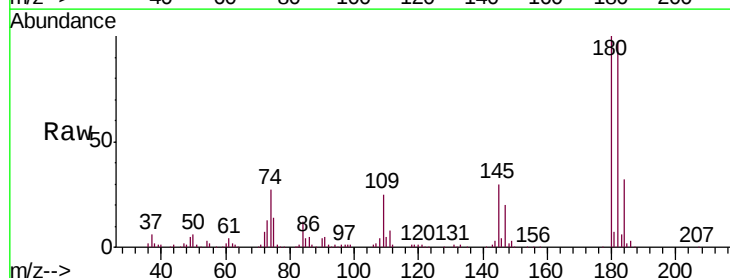
Tgt Ion:180 Resp: 154280

Ion Ratio Lower Upper

180 100

182 97.0 76.1 114.1

145 30.1 23.7 35.5



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

