

Data File : VV013392.D
Acq On : 29 Oct 2019 11:19
Operator : SY/MD
Sample : VSTD00534
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00534

Quant Time: Oct 30 02:01:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 30 01:57:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	364634	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	384625	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	239166	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	180555	6.28	ug/L	0.00
7) Chloroethane-d5	1.58	69	143824	6.18	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	295211	5.94	ug/L	0.00
20) 2-Butanone-d5	3.96	46	427350	71.47	ug/L	0.00
24) Chloroform-d	4.40	84	355088	5.53	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	176000	5.81	ug/L	0.00
32) Benzene-d6	5.10	84	716839	5.64	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	216975	5.67	ug/L	0.00
41) Toluene-d8	7.36	98	678188	5.77	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	81311	5.60	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	276655	55.47	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	144163	5.31	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	245445	5.17	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	250131	5.930 ug/L	100
3) Chloromethane	1.25	50	212892	5.780 ug/L	100
5) Vinyl chloride	1.32	62	206648	5.650 ug/L	100
6) Bromomethane	1.53	94	111182	5.428 ug/L	100
8) Chloroethane	1.60	64	118667	5.492 ug/L	100
9) Trichlorofluoromethane	1.77	101	268115	5.193 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	152460	5.054 ug/L	100
12) 1,1-Dichloroethene	2.14	96	142453	4.968 ug/L	100
13) Acetone	2.23	43	214876	72.192 ug/L	100
14) Carbon disulfide	2.31	76	436050	5.225 ug/L	100
15) Methyl Acetate	2.47	43	72092	6.935 ug/L	100
16) Methylene chloride	2.53	84	191407	4.339 ug/L	100
17) Methyl tert-butyl Ether	2.80	73	388683	5.583 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	191256	5.418 ug/L	100
19) 1,1-Dichloroethane	3.23	63	358320	5.991 ug/L	100
21) 2-Butanone	4.05	43	468575	70.776 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	195409	5.194 ug/L	100
23) Bromochloromethane	4.30	128	84273	4.922 ug/L	100
25) Chloroform	4.42	83	362908	4.993 ug/L	100
27) 1,2-Dichloroethane	5.18	62	209724	5.390 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	298732	5.188 ug/L	100
30) Cyclohexane	4.72	56	319363	5.292 ug/L	100
31) Carbon tetrachloride	4.87	117	270226	5.217 ug/L	100
33) Benzene	5.14	78	781506	5.263 ug/L	100
34) Trichloroethene	5.96	95	203362	5.094 ug/L	100
35) Methylcyclohexane	6.17	83	317324	5.156 ug/L	100
37) 1,2-Dichloropropane	6.22	63	194000	5.351 ug/L	100
38) Bromodichloromethane	6.55	83	234491	5.038 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	260980	5.108 ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	1136900	59.844 ug/L	100

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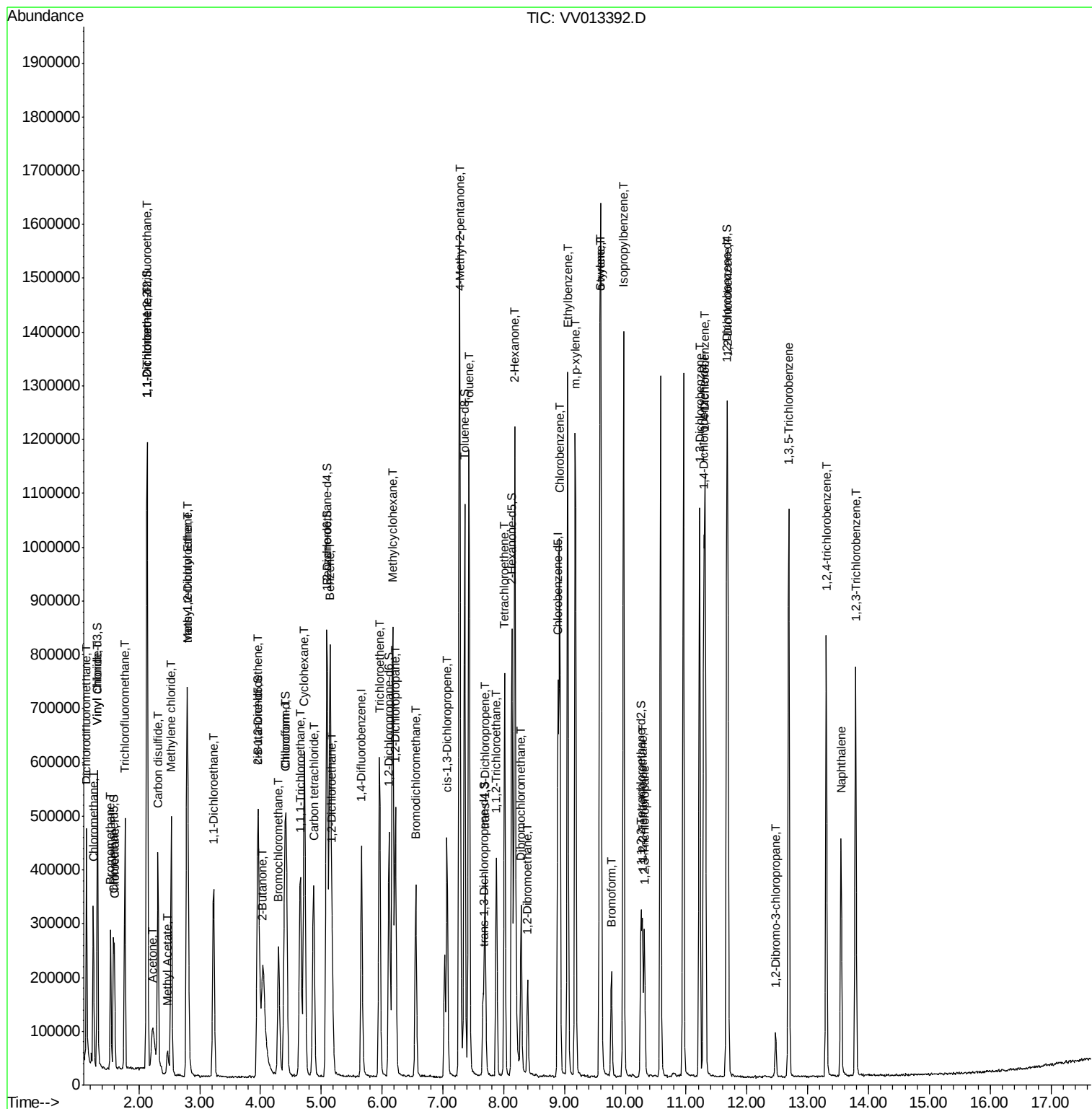
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	822495	5.289	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	203848	5.240	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	126786	5.067	ug/L	100
47) Tetrachloroethene	8.02	164	172844	4.845	ug/L	100
48) 2-Hexanone	8.18	43	823158	60.804	ug/L	100
49) Dibromochloromethane	8.29	129	154784	4.913	ug/L	100
50) 1,2-Dibromoethane	8.39	107	116396	4.885	ug/L	100
51) Chlorobenzene	8.92	112	514456	5.061	ug/L	100
52) Ethylbenzene	9.05	91	865093	5.294	ug/L	100
53) m,p-xylene	9.18	106	326475	5.269	ug/L	100
54) o-xylene	9.58	106	311219	5.262	ug/L	100
55) Styrene	9.60	104	552155	5.493	ug/L	100
56) Isopropylbenzene	9.97	105	850020	5.433	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	135958	4.774	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	108201	5.032	ug/L	100
61) Bromoform	9.77	173	88353	4.803	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	426111	5.008	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	420123	4.899	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	387094	4.941	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	20321	4.593	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	335757	5.222	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	262460	4.723	ug/L	100
69) Naphthalene	13.55	128	351027	4.586	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	242861	4.752	ug/L	100

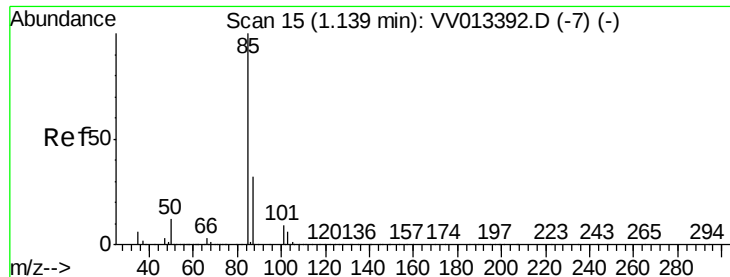
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.930 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013392.D

Acq: 29 Oct 2019 11:19

Instrument :

MSVOA_V

ClientSampleId :

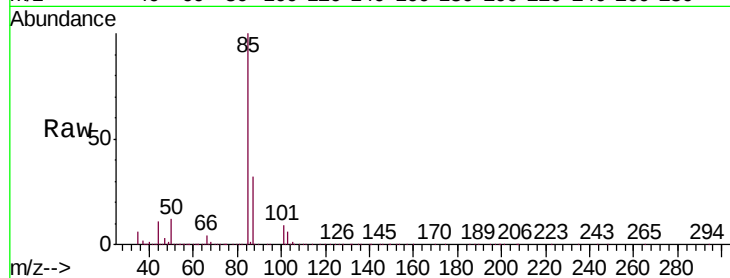
VSTD00534

Tgt Ion: 85 Resp: 250131

Ion Ratio Lower Upper

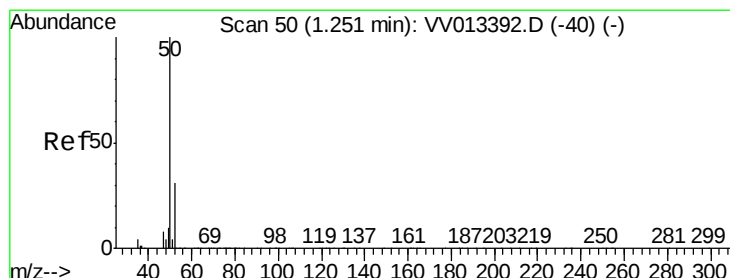
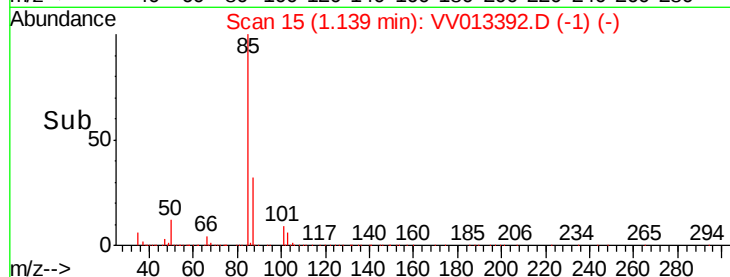
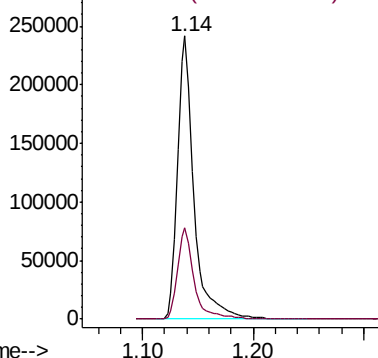
85 100

87 32.2 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.780 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013392.D

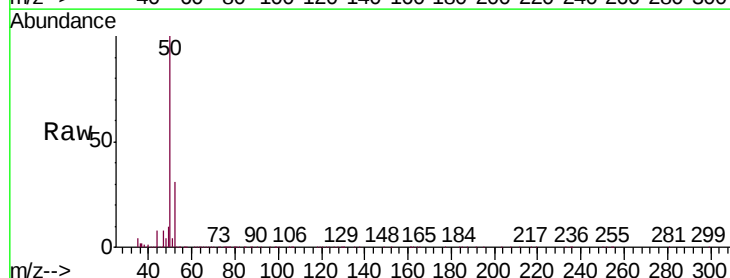
Acq: 29 Oct 2019 11:19

Tgt Ion: 50 Resp: 212892

Ion Ratio Lower Upper

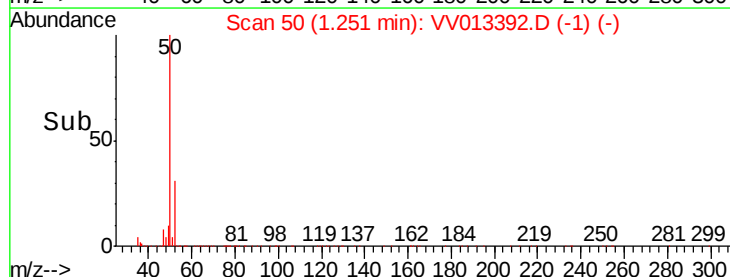
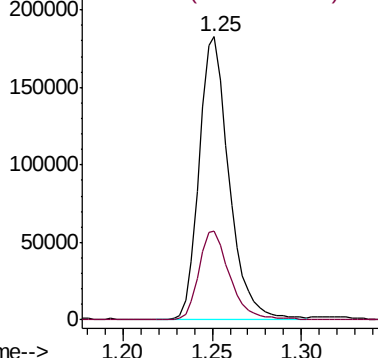
50 100

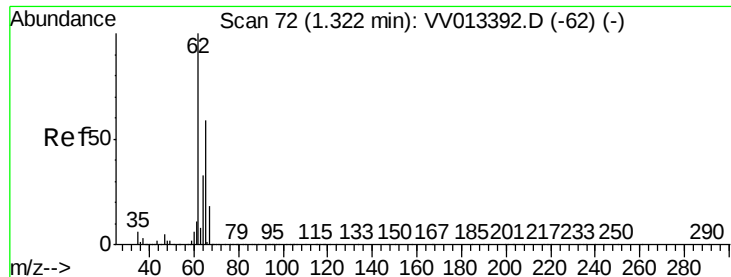
52 31.3 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.650 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013392.D

Acq: 29 Oct 2019 11:19

Instrument :

MSVOA_V

ClientSampleId :

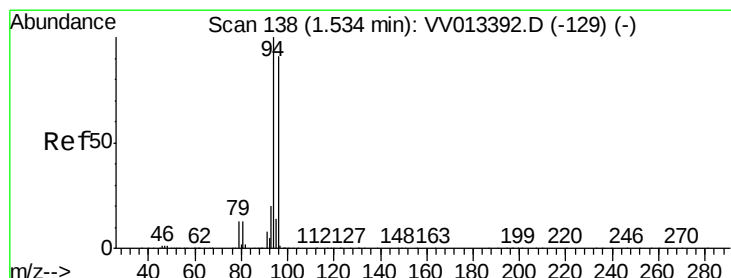
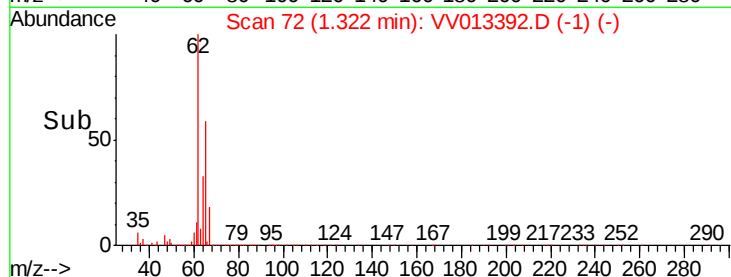
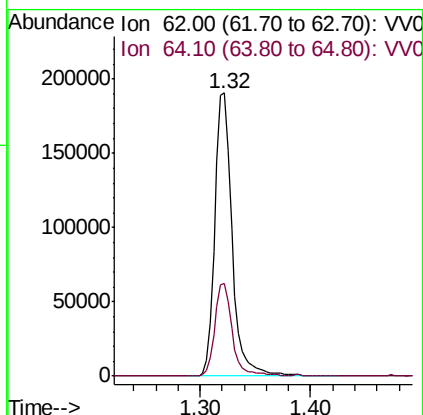
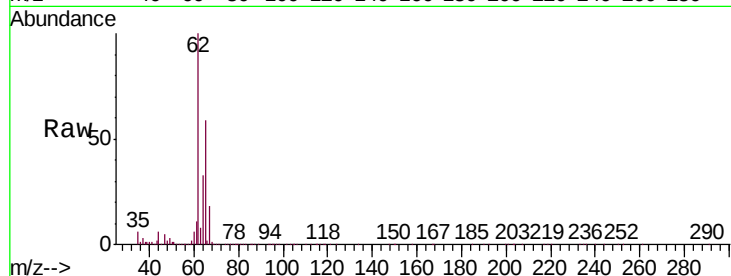
VSTD00534

Tgt Ion: 62 Resp: 206648

Ion Ratio Lower Upper

62 100

64 32.8 23.0 42.6



#6

Bromomethane

Concen: 5.428 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013392.D

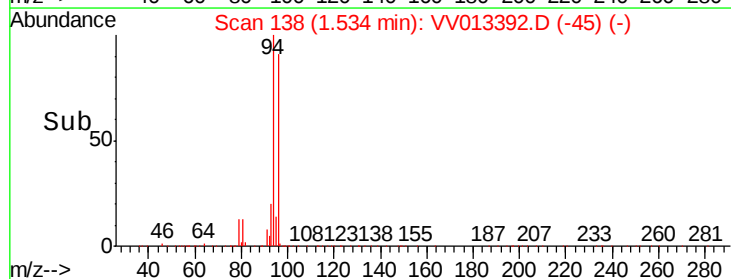
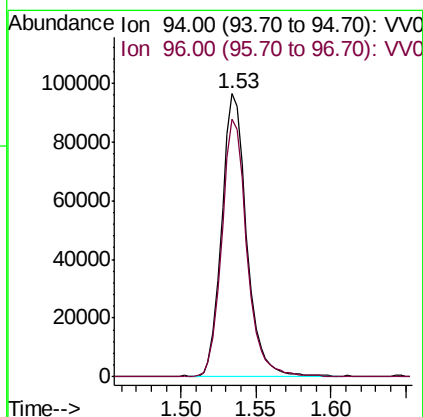
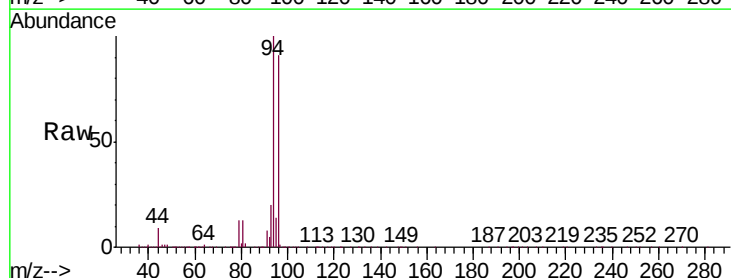
Acq: 29 Oct 2019 11:19

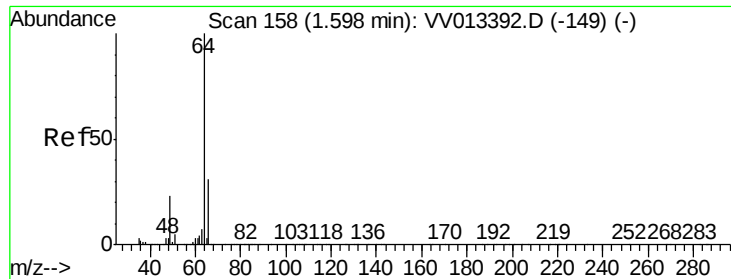
Tgt Ion: 94 Resp: 111182

Ion Ratio Lower Upper

94 100

96 91.1 63.8 118.4

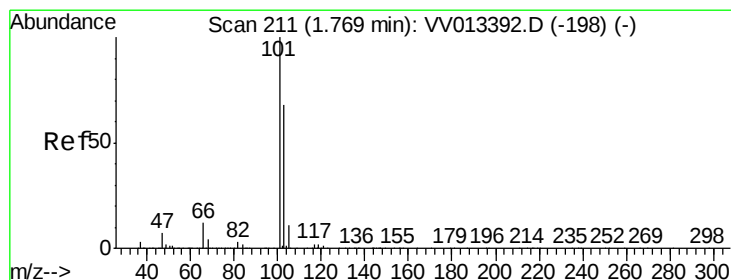
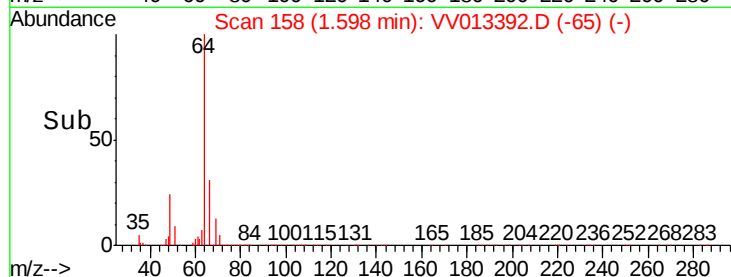
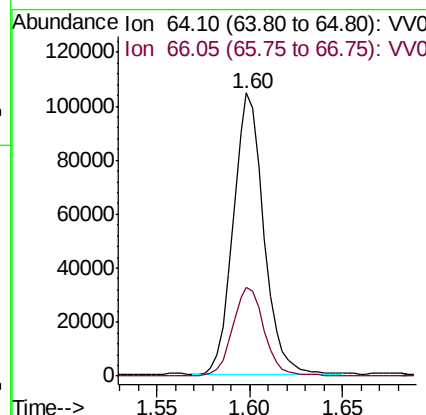
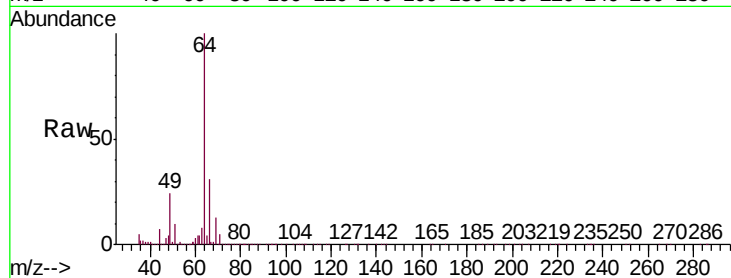




#8
Chloroethane
Concen: 5.492 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV013392.D
Acq: 29 Oct 2019 11:19

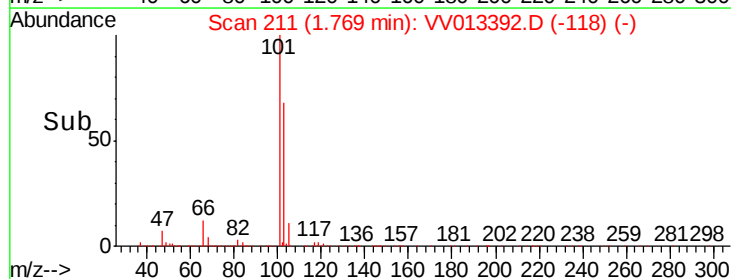
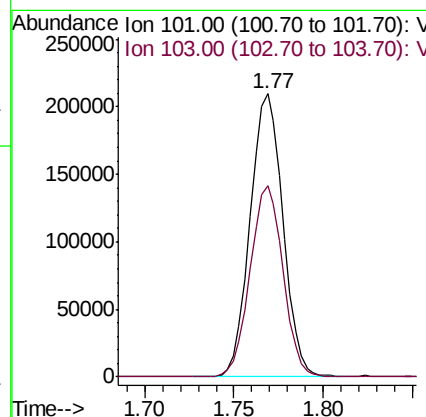
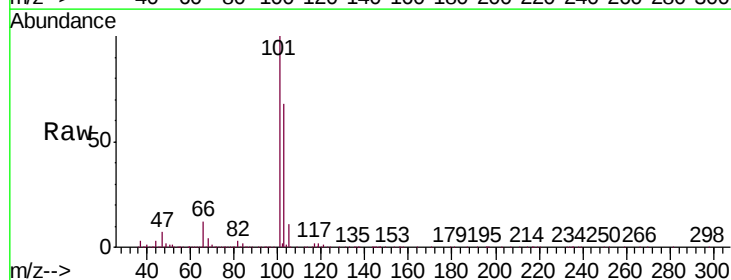
Instrument :
MSVOA_V
ClientSampleId :
VSTD00534

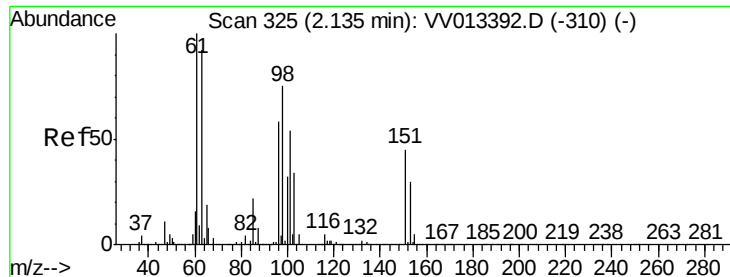
Tgt Ion: 64 Resp: 118667
Ion Ratio Lower Upper
64 100
66 31.5 22.0 41.0



#9
Trichlorofluoromethane
Concen: 5.193 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV013392.D
Acq: 29 Oct 2019 11:19

Tgt Ion: 101 Resp: 268115
Ion Ratio Lower Upper
101 100
103 67.7 54.2 81.2





#10

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

Concen: 5.054 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013392.D

Acq: 29 Oct 2019 11:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

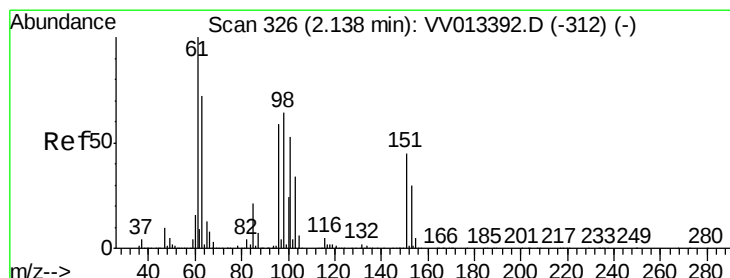
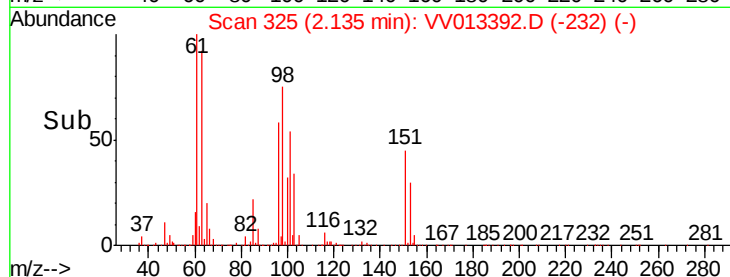
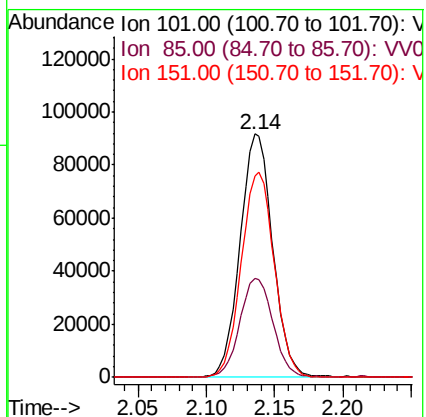
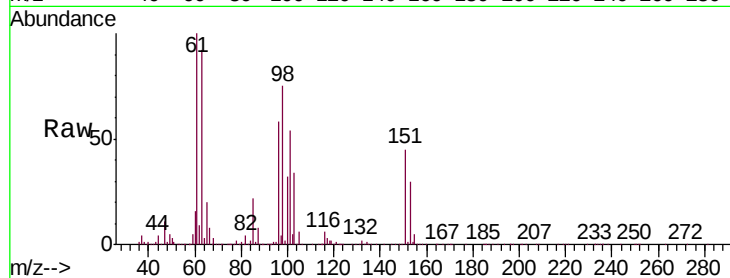
Tgt Ion: 101 Resp: 152460

Ion Ratio Lower Upper

101 100

85 41.2 33.0 49.4

151 85.2 68.2 102.2



#12

1,1-Dichloroethene

Concen: 4.968 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013392.D

Acq: 29 Oct 2019 11:19

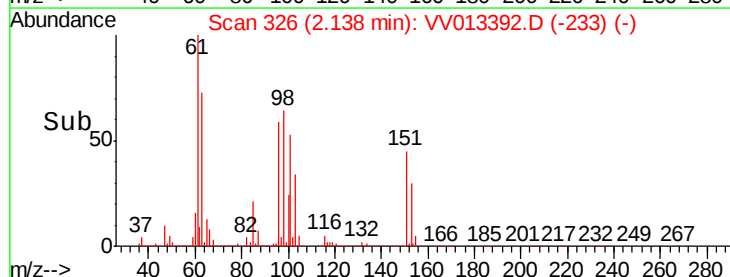
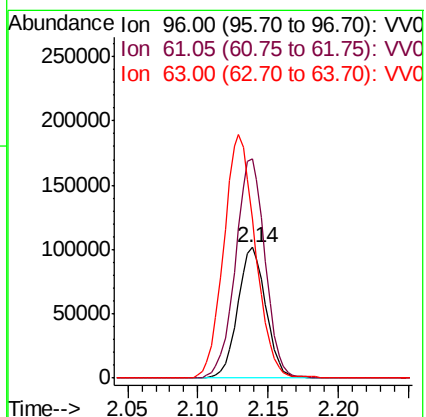
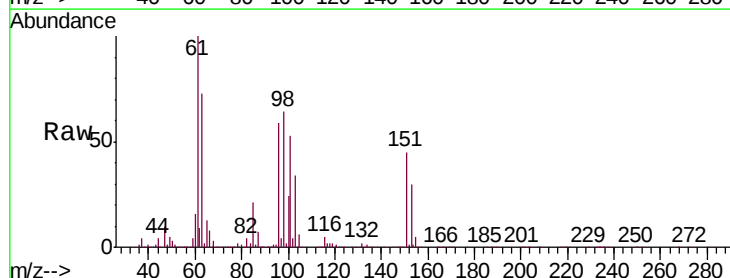
Tgt Ion: 96 Resp: 142453

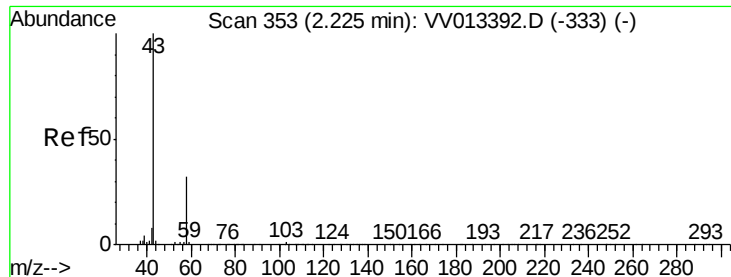
Ion Ratio Lower Upper

96 100

61 168.3 117.8 218.8

63 122.2 85.5 158.9





#13

Acetone

Concen: 72.192 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.00 min

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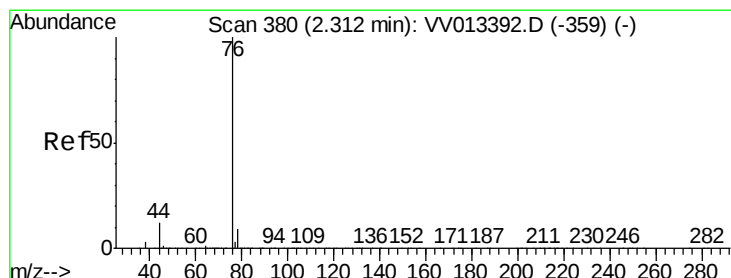
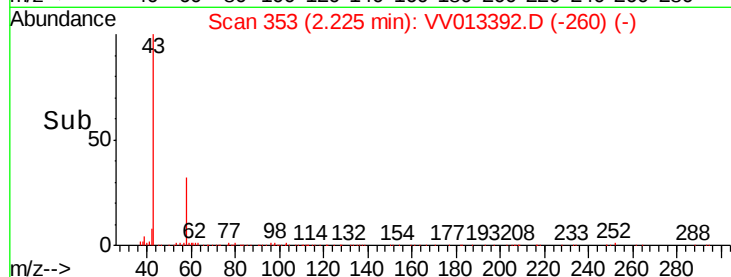
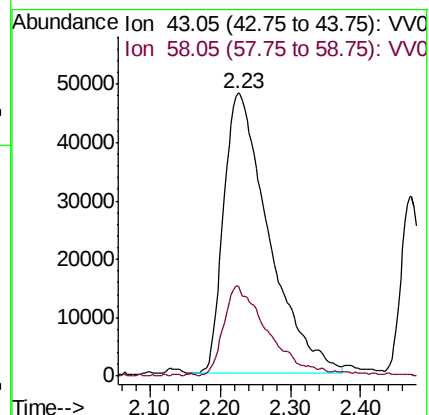
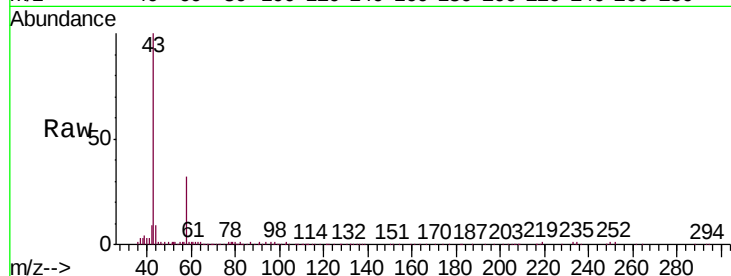
VSTD00534

Tgt Ion: 43 Resp: 214876

Ion Ratio Lower Upper

43 100

58 29.5 0.0 59.0



#14

Carbon disulfide

Concen: 5.225 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV013392.D

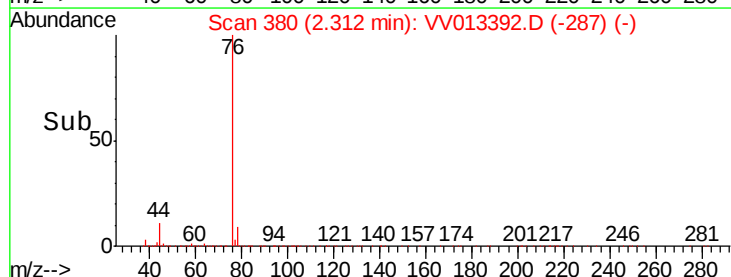
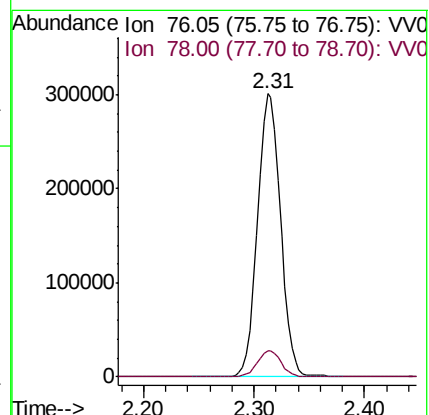
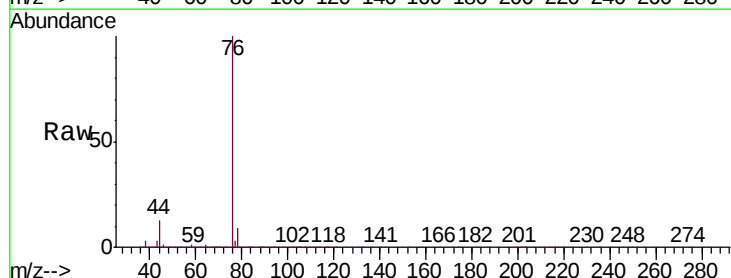
Acq: 29 Oct 2019 11:19

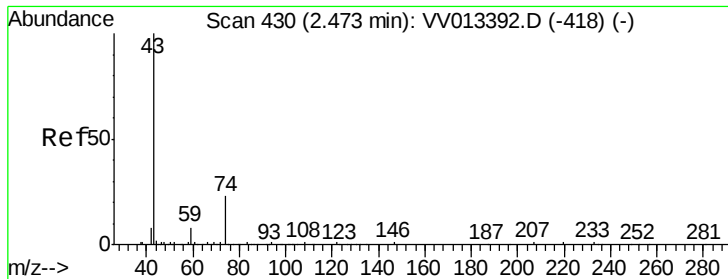
Tgt Ion: 76 Resp: 436050

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

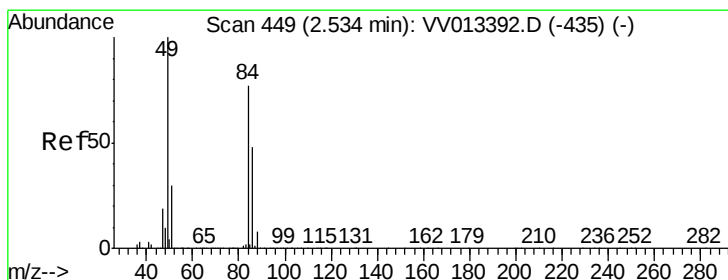
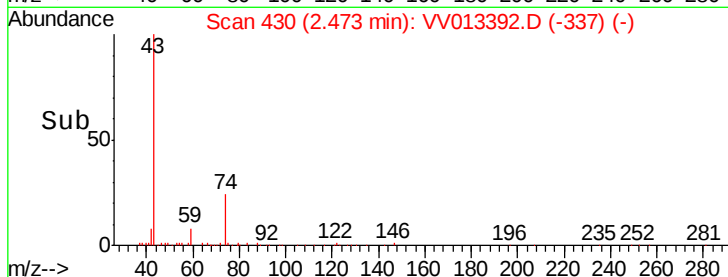
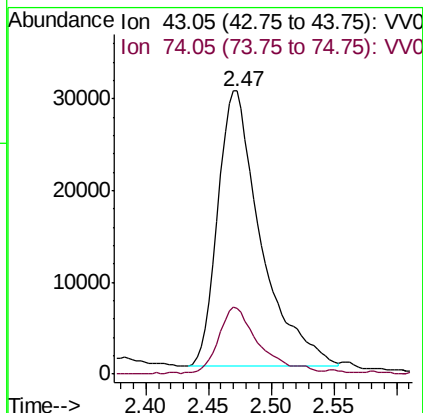
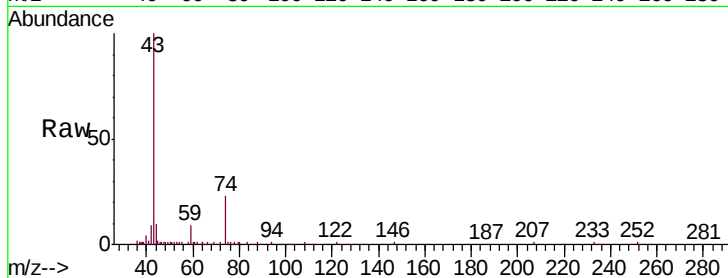




#15
Methyl Acetate
Concen: 6.935 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV013392.D
Acq: 29 Oct 2019 11:19

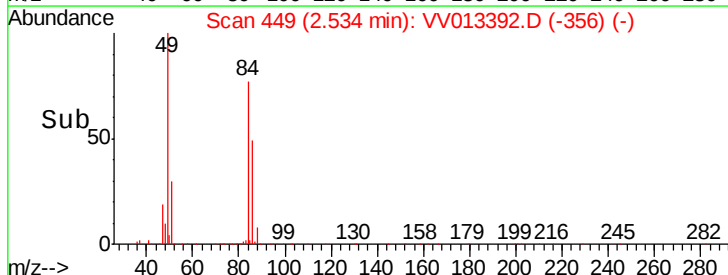
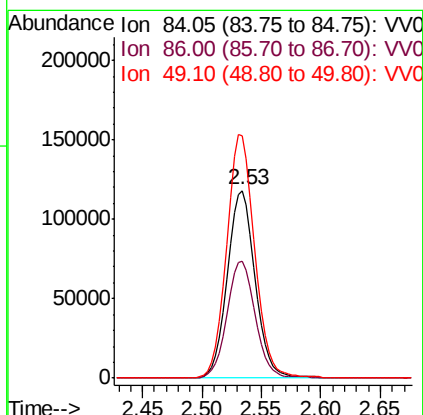
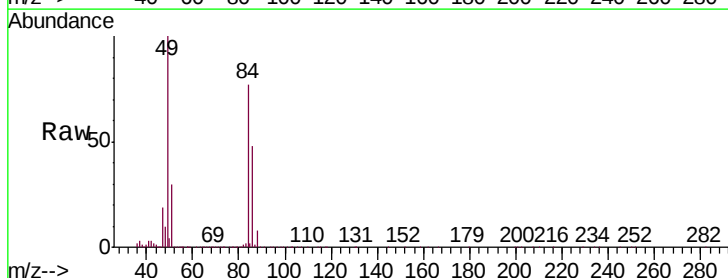
Instrument :
MSVOA_V
ClientSampleId :
VSTD00534

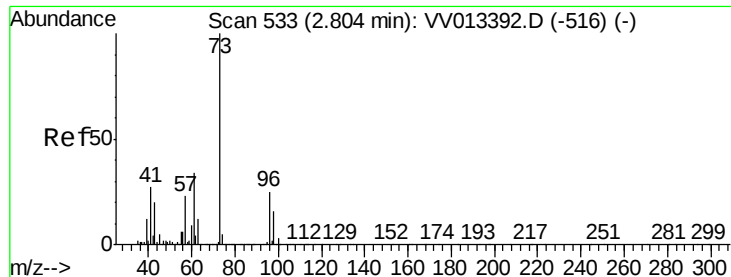
Tgt Ion: 43 Resp: 72092
Ion Ratio Lower Upper
43 100
74 21.3 17.0 25.6



#16
Methylene chloride
Concen: 4.339 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013392.D
Acq: 29 Oct 2019 11:19

Tgt Ion: 84 Resp: 191407
Ion Ratio Lower Upper
84 100
86 62.6 43.8 81.4
49 129.2 90.4 168.0





#17

Methyl tert-butyl Ether

Concen: 5.583 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV013392.D

Acq: 29 Oct 2019 11:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

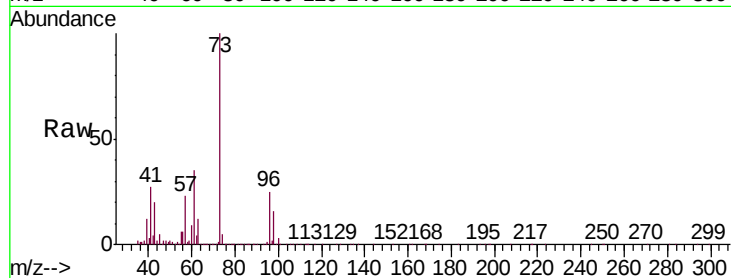
Tgt Ion: 73 Resp: 388683

Ion Ratio Lower Upper

73 100

43 20.8 16.6 25.0

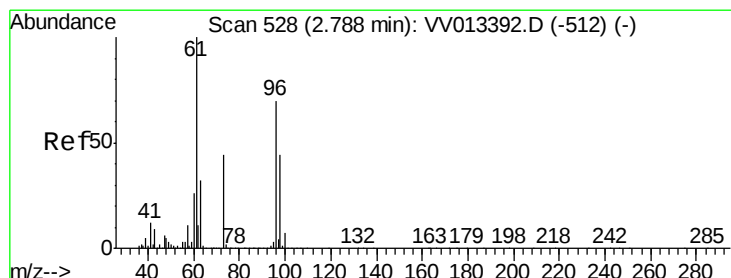
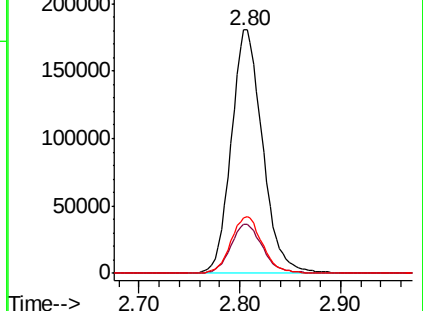
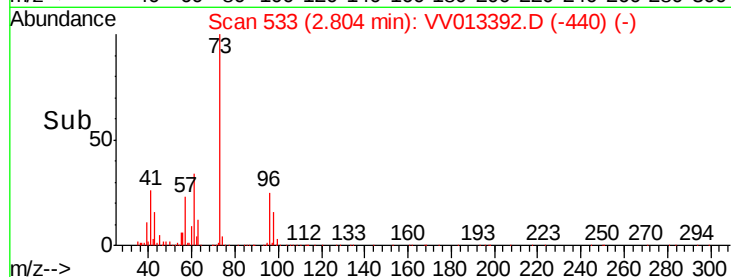
57 23.5 18.8 28.2



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 5.418 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV013392.D

Acq: 29 Oct 2019 11:19

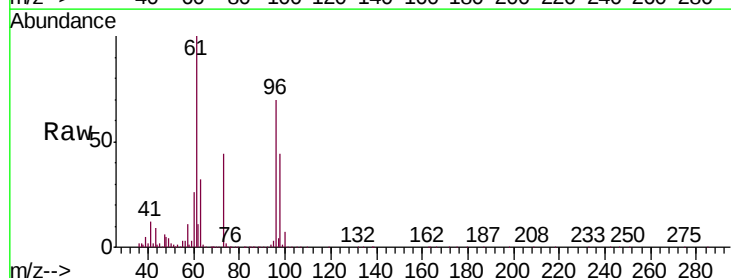
Tgt Ion: 96 Resp: 191256

Ion Ratio Lower Upper

96 100

61 143.0 100.1 185.9

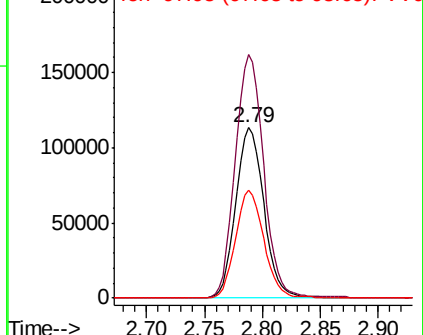
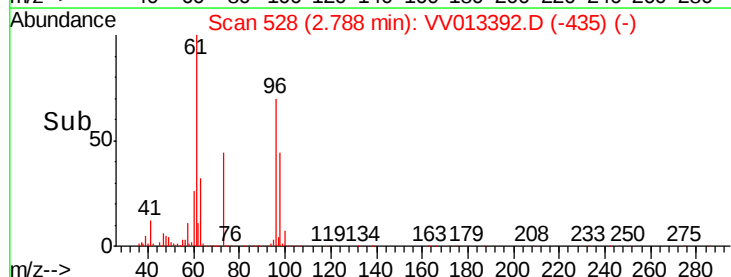
98 63.1 44.2 82.0

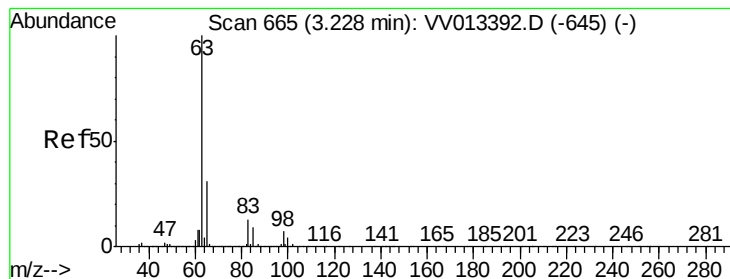


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 5.991 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV013392.D

Acq: 29 Oct 2019 11:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

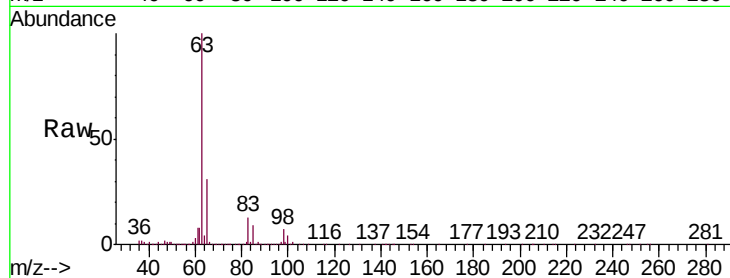
Tgt Ion: 63 Resp: 358320

Ion Ratio Lower Upper

63 100

65 31.0 21.7 40.3

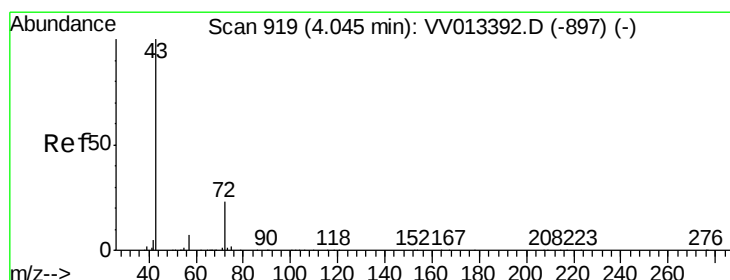
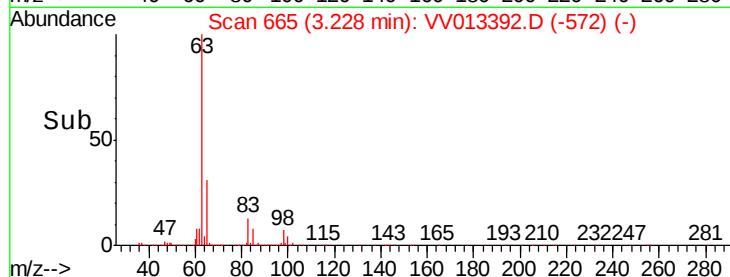
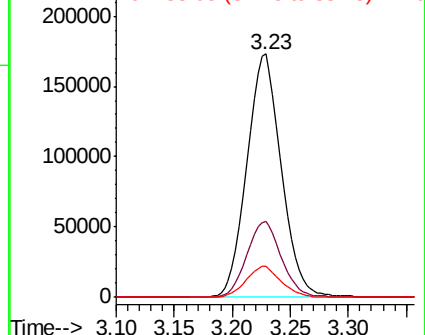
83 12.7 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 70.776 ug/L

RT: 4.05 min Scan# 919

Delta R.T. 0.00 min

Lab File: VV013392.D

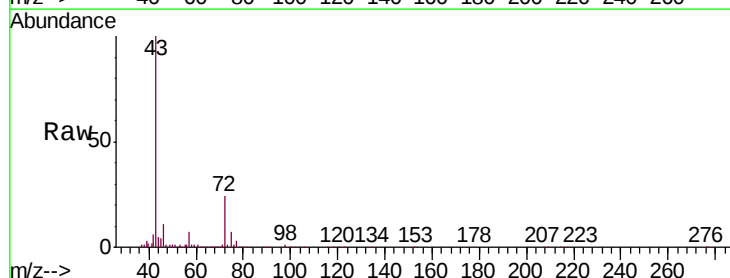
Acq: 29 Oct 2019 11:19

Tgt Ion: 43 Resp: 468575

Ion Ratio Lower Upper

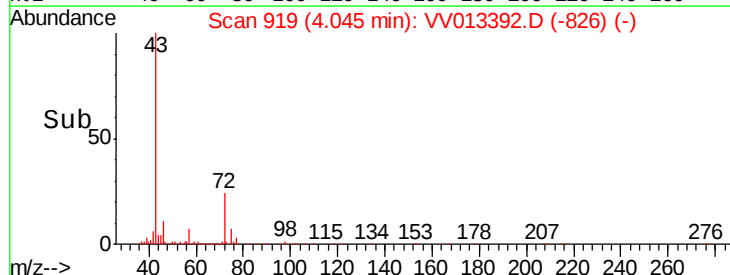
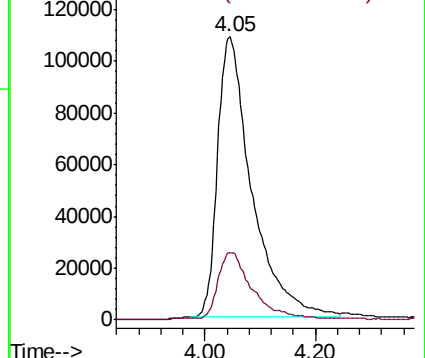
43 100

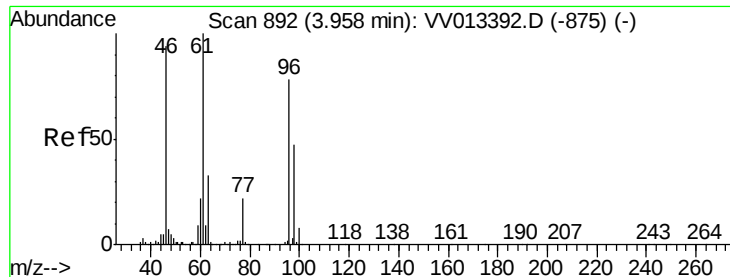
72 22.6 11.3 33.9



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



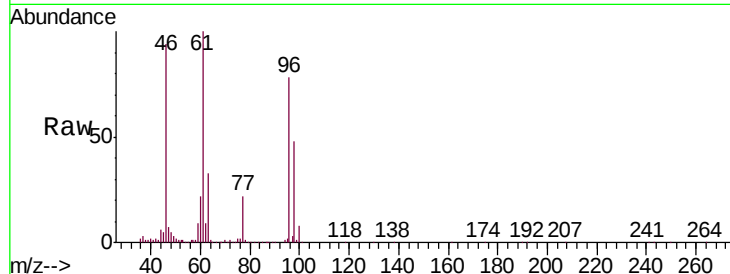


#22

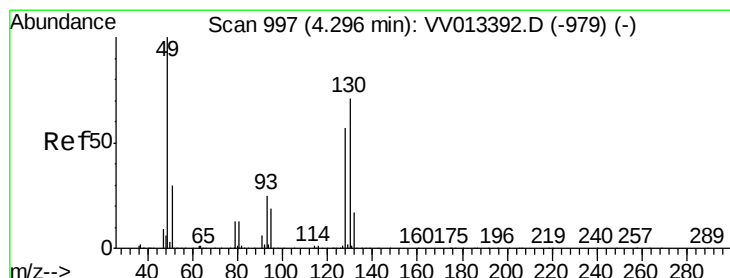
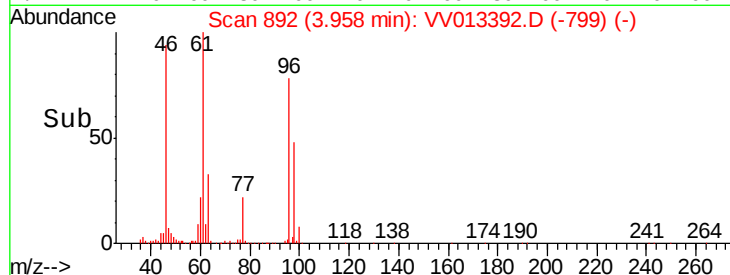
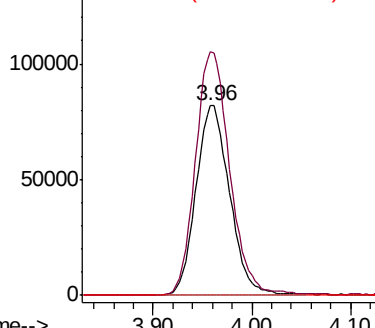
cis-1,2-Dichloroethene
 Concen: 5.194 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV013392.D
 Acq: 29 Oct 2019 11:19

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00534

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.5	89.9	167.0
68	0.2	0.1	0.3



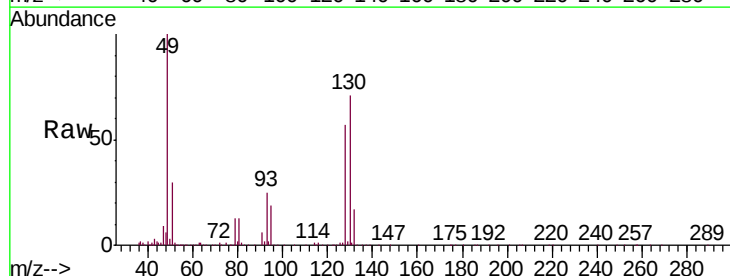
Abundance Ion 96.00 (95.70 to 96.70): VV013392.D (-875) (-)



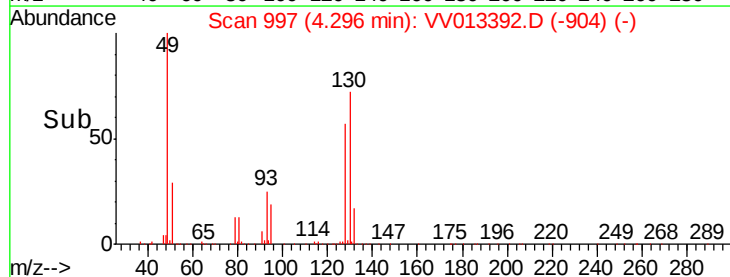
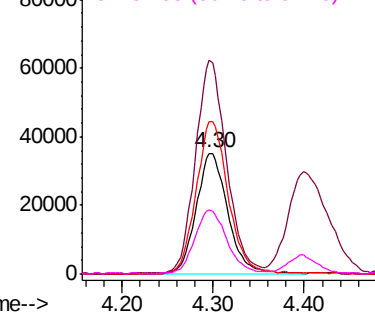
#23

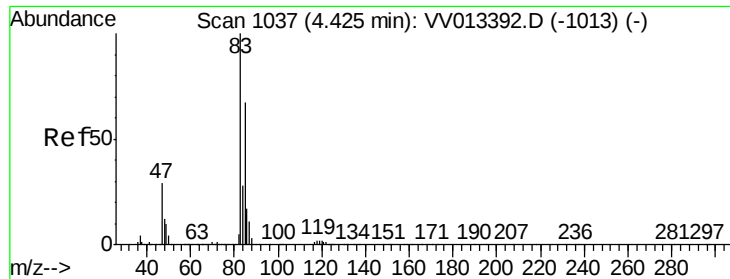
Bromochloromethane
 Concen: 4.922 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV013392.D
 Acq: 29 Oct 2019 11:19

Tgt Ion	Ratio	Lower	Upper
128	100		
49	176.6	123.6	229.6
130	126.2	88.3	164.1
51	52.7	42.2	63.2



Abundance Ion 127.90 (127.60 to 128.60): VV013392.D (-979) (-)

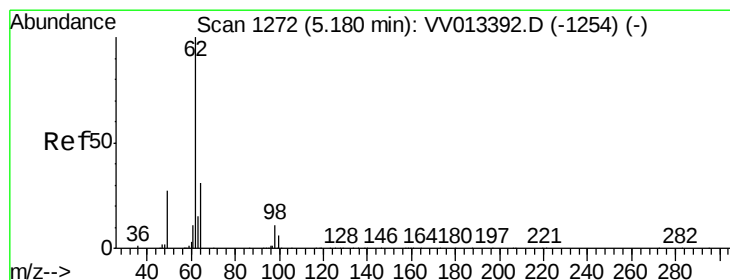
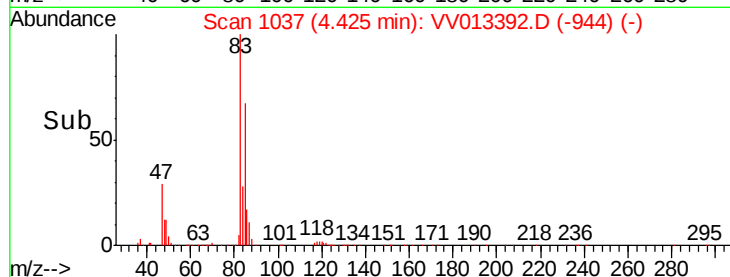
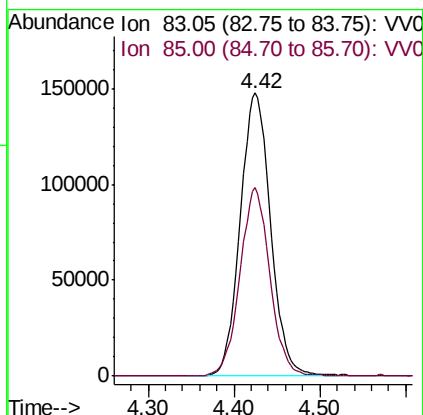
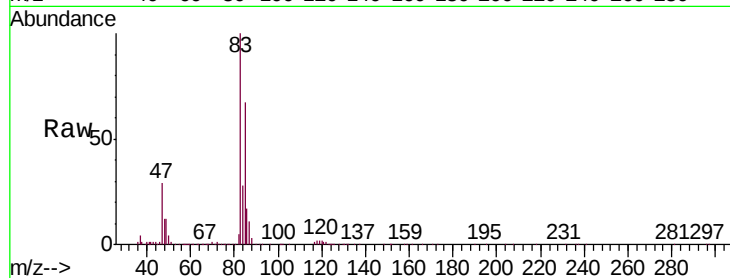




#25
Chloroform
Concen: 4.993 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013392.D
Acq: 29 Oct 2019 11:19

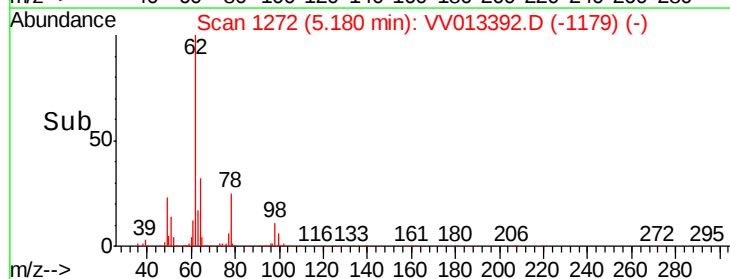
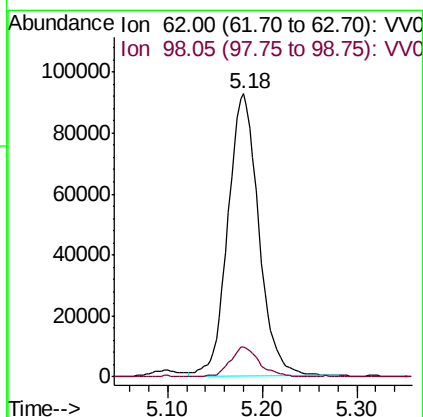
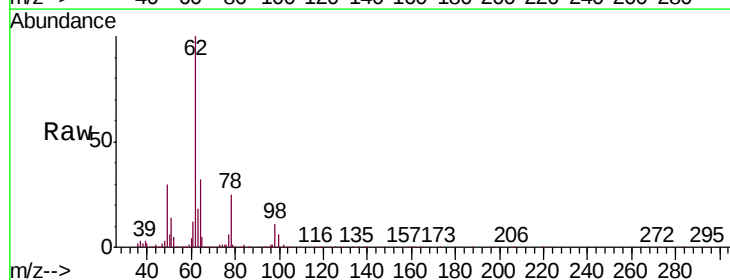
Instrument :
MSVOA_V
ClientSampleId :
VSTD00534

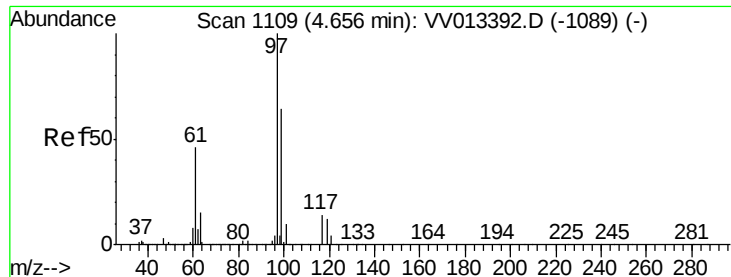
Tgt Ion: 83 Resp: 362908
Ion Ratio Lower Upper
83 100
85 66.5 46.5 86.5



#27
1,2-Dichloroethane
Concen: 5.390 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV013392.D
Acq: 29 Oct 2019 11:19

Tgt Ion: 62 Resp: 209724
Ion Ratio Lower Upper
62 100
98 10.7 8.6 12.8

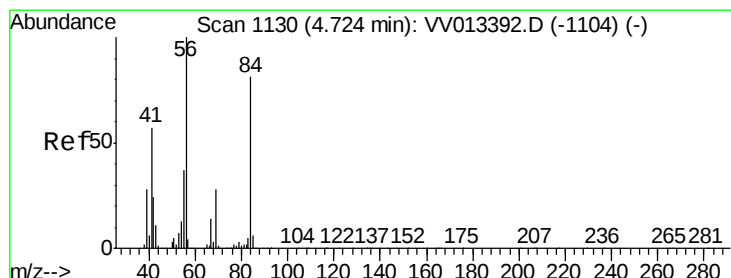
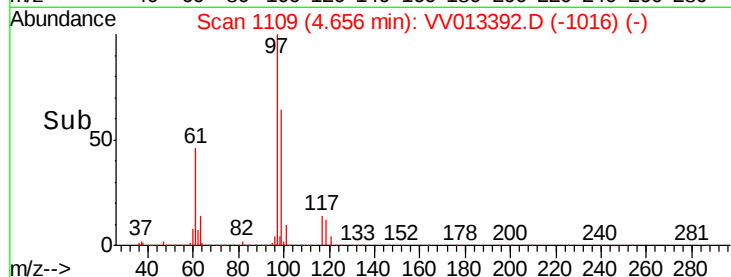
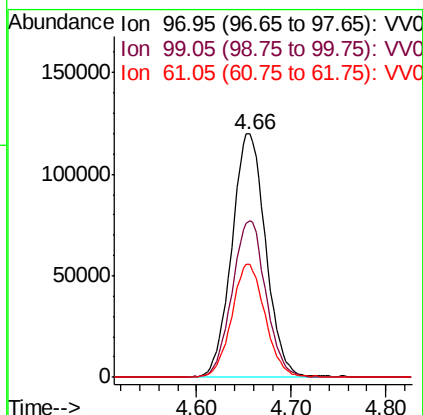
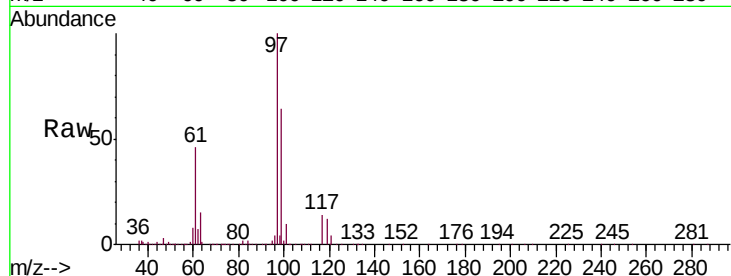




#29
 1,1,1-Trichloroethane
 Concen: 5.188 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV013392.D
 Acq: 29 Oct 2019 11:19

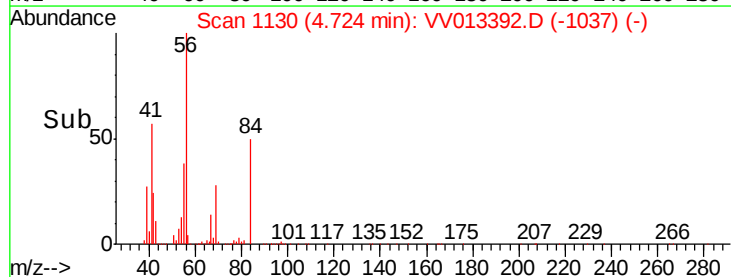
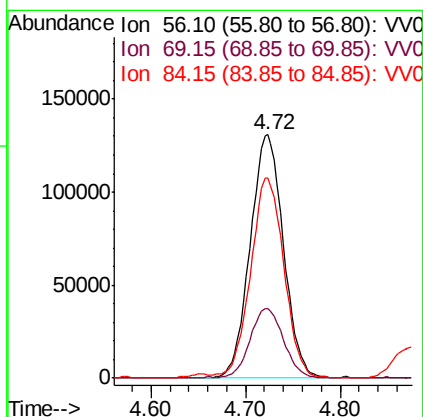
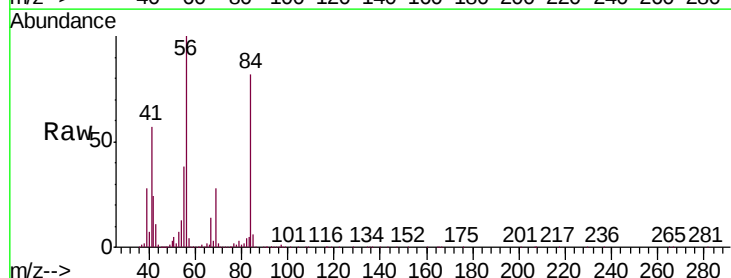
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

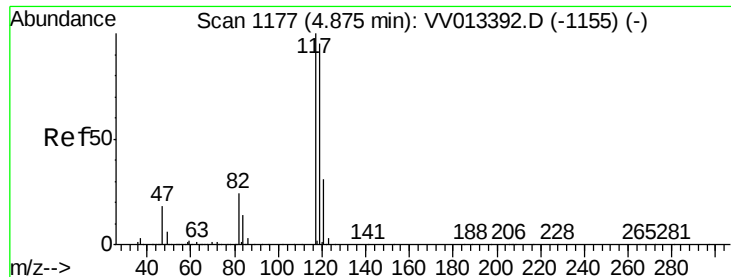
Tgt Ion: 97 Resp: 298732
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.3 76.9
 61 46.0 36.8 55.2



#30
 Cyclohexane
 Concen: 5.292 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV013392.D
 Acq: 29 Oct 2019 11:19

Tgt Ion: 56 Resp: 319363
 Ion Ratio Lower Upper
 56 100
 69 28.4 22.7 34.1
 84 81.9 65.5 98.3





#31

Carbon tetrachloride

Concen: 5.217 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV013392.D

Acq: 29 Oct 2019 11:19

Instrument :

MSVOA_V

ClientSampleId :

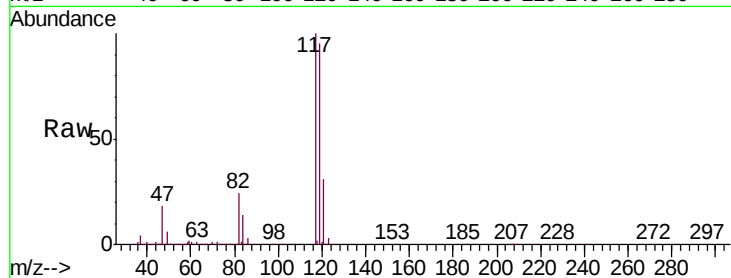
VSTD00534

Tgt Ion:117 Resp: 270226

Ion Ratio Lower Upper

117 100

119 95.9 76.7 115.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

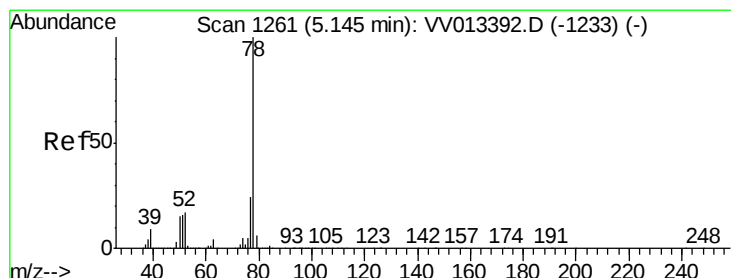
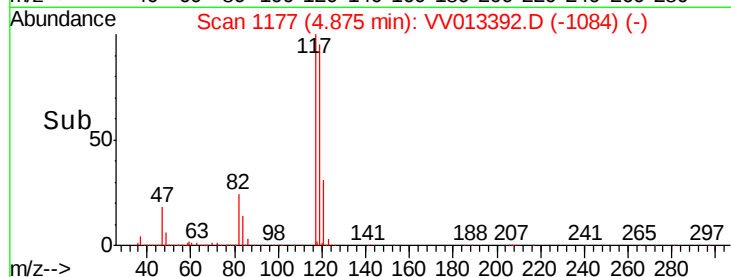
100000

50000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 5.263 ug/L

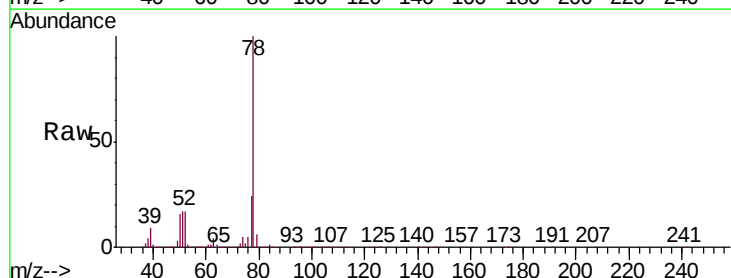
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV013392.D

Acq: 29 Oct 2019 11:19

Tgt Ion: 78 Resp: 781506



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14

400000

300000

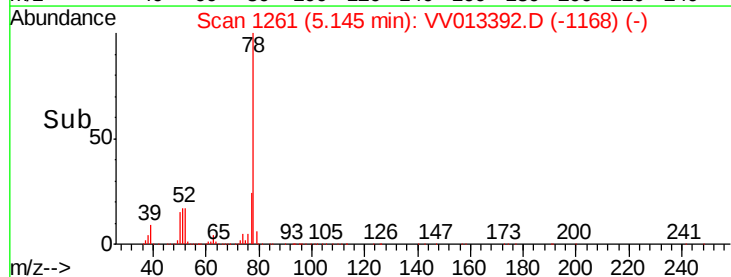
200000

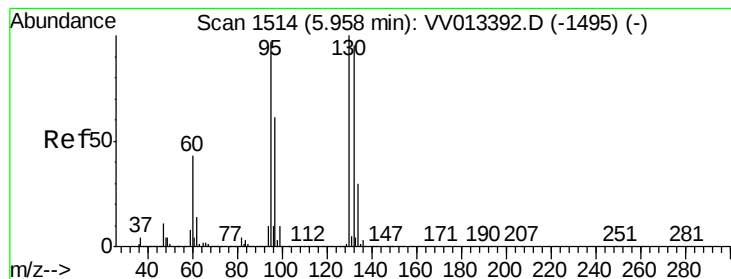
100000

0

Time-->

5.00 5.10 5.20 5.30





#34

Trichloroethene

Concen: 5.094 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013392.D

Acq: 29 Oct 2019 11:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

Tgt Ion: 95 Resp: 203362

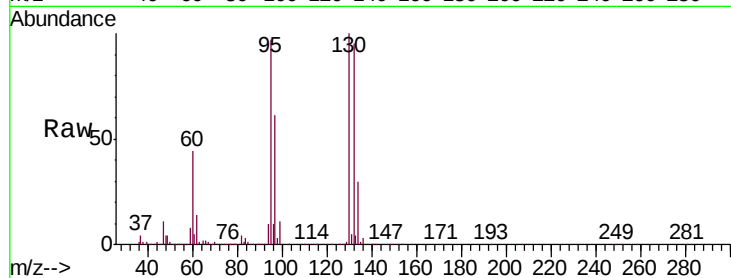
Ion Ratio Lower Upper

95 100

97 62.7 43.9 81.5

132 98.2 68.7 127.7

130 103.0 72.1 133.9

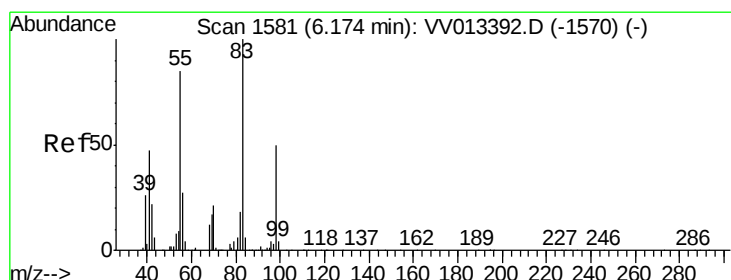
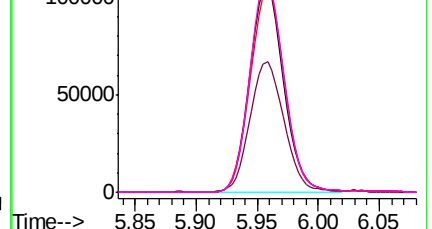
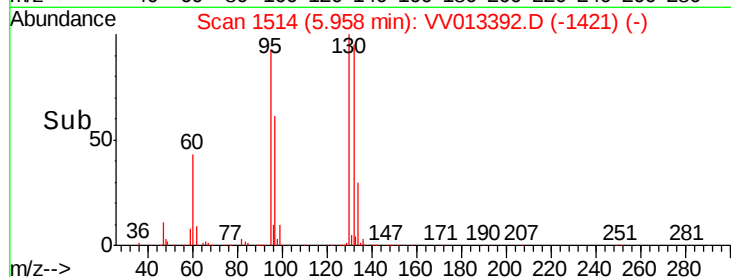


Abundance Ion 95.00 (94.70 to 95.70): VV013392.D (-1495) (-)

Ion 96.95 (96.65 to 97.65): VV013392.D (-1495) (-)

Ion 131.95 (131.65 to 132.65): VV013392.D (-1495) (-)

Ion 129.95 (129.65 to 130.65): VV013392.D (-1495) (-)



#35

Methylcyclohexane

Concen: 5.156 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV013392.D

Acq: 29 Oct 2019 11:19

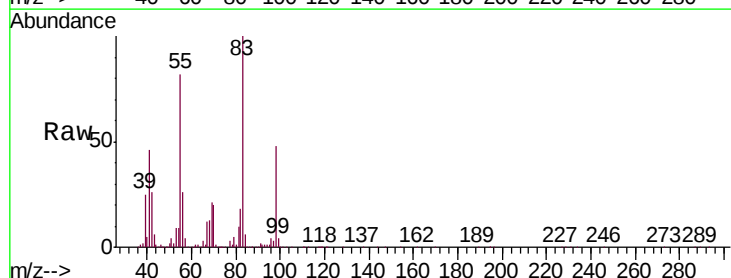
Tgt Ion: 83 Resp: 317324

Ion Ratio Lower Upper

83 100

55 82.5 66.0 99.0

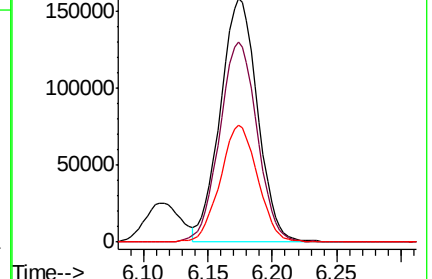
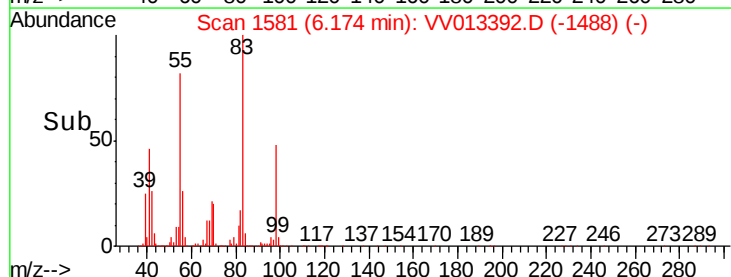
98 47.8 38.2 57.4

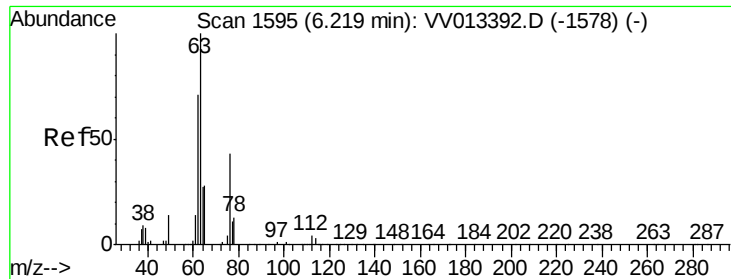


Abundance Ion 83.15 (82.85 to 83.85): VV013392.D (-1570) (-)

Ion 55.10 (54.80 to 55.80): VV013392.D (-1570) (-)

Ion 98.15 (97.85 to 98.85): VV013392.D (-1570) (-)

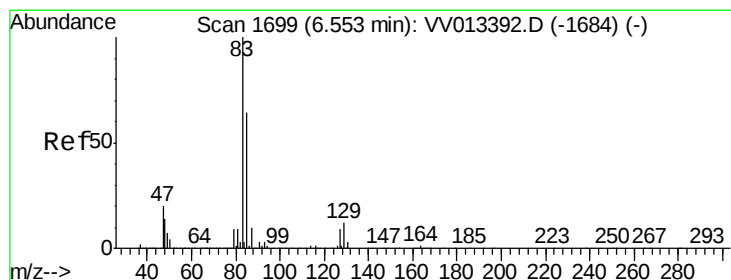
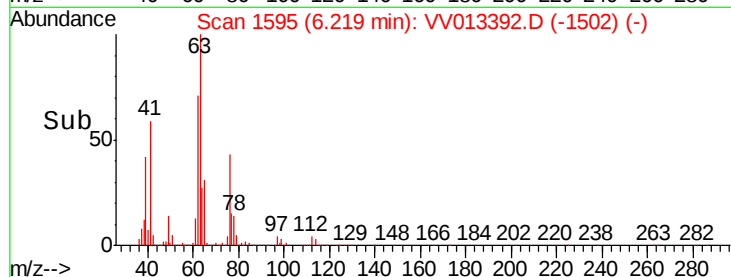
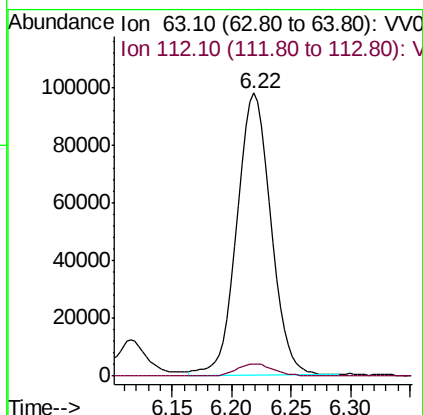
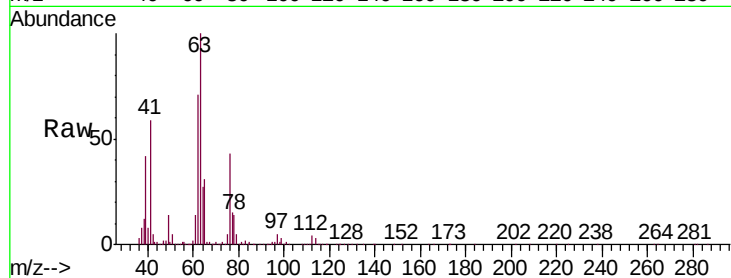




#37
 1,2-Dichloropropane
 Concen: 5.351 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV013392.D
 Acq: 29 Oct 2019 11:19

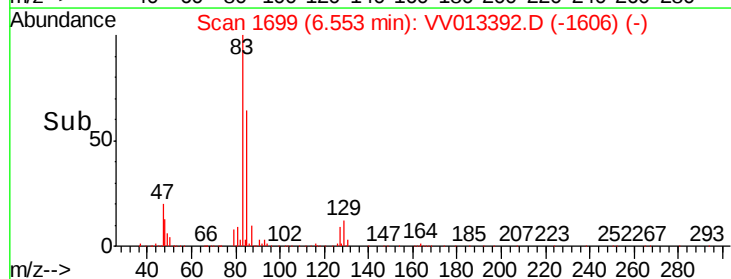
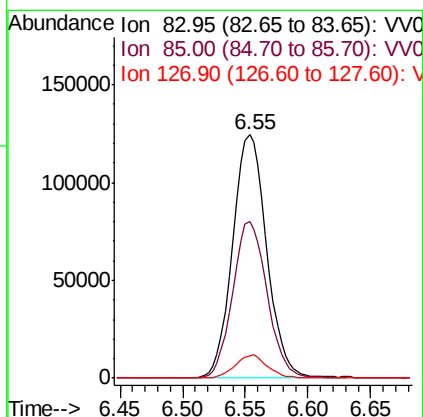
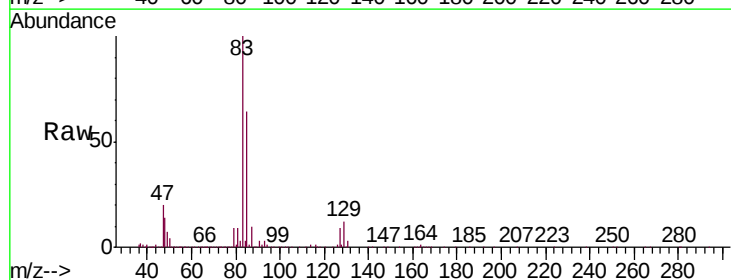
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00534

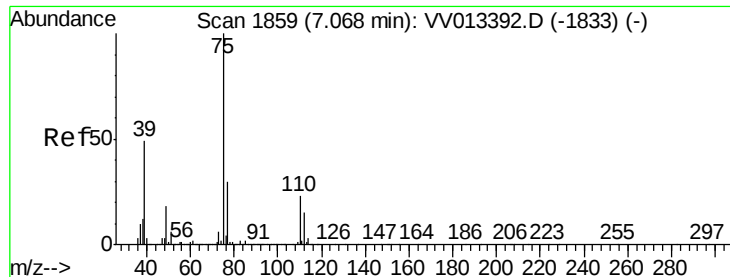
Tgt Ion: 63 Resp: 194000
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.038 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV013392.D
 Acq: 29 Oct 2019 11:19

Tgt Ion: 83 Resp: 234491
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.1 83.7
 127 9.3 7.4 11.2

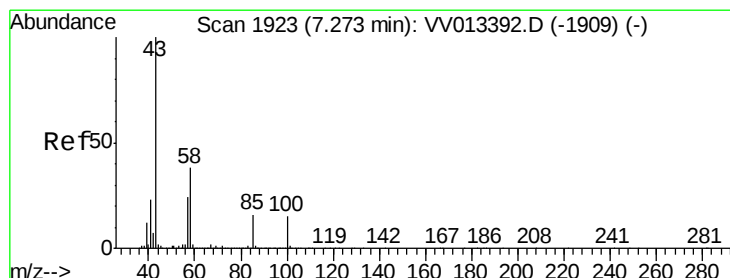
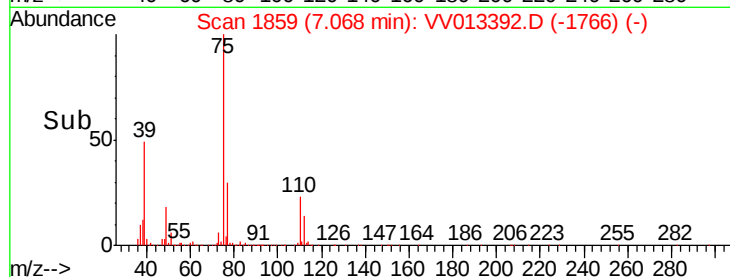
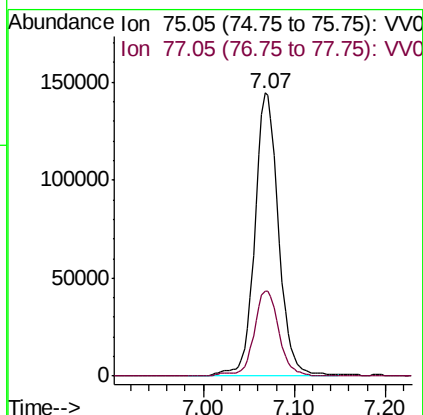
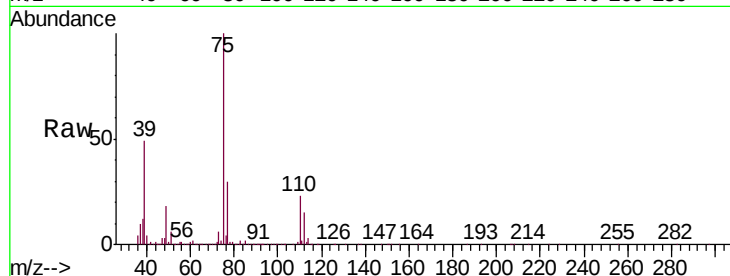




#39
 cis-1,3-Dichloropropene
 Concen: 5.108 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV013392.D
 Acq: 29 Oct 2019 11:19

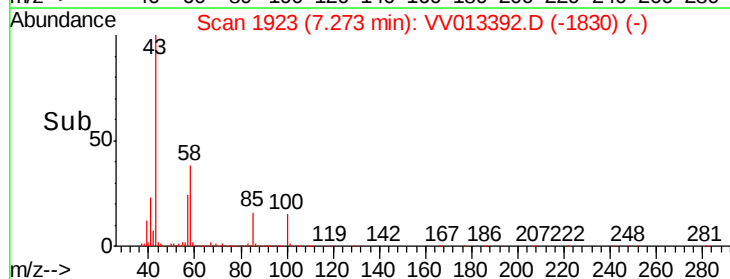
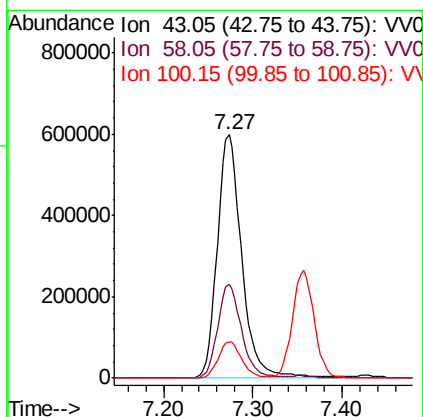
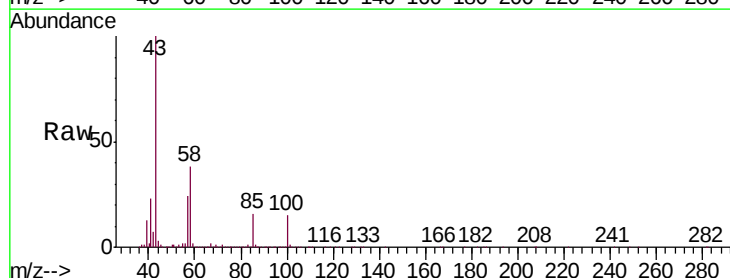
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

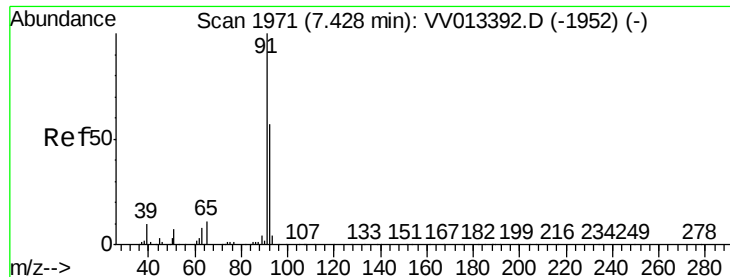
Tgt Ion: 75 Resp: 260980
 Ion Ratio Lower Upper
 75 100
 77 30.2 21.1 39.3



#40
 4-Methyl-2-pentanone
 Concen: 59.844 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV013392.D
 Acq: 29 Oct 2019 11:19

Tgt Ion: 43 Resp: 1136900
 Ion Ratio Lower Upper
 43 100
 58 37.3 29.8 44.8
 100 14.5 11.6 17.4





#42

Toluene

Concen: 5.289 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013392.D

Acq: 29 Oct 2019 11:19

Instrument :

MSVOA_V

ClientSampleId :

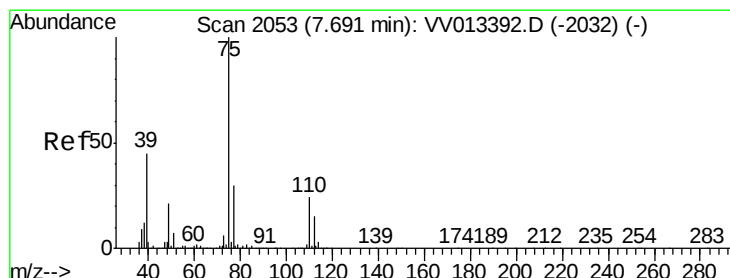
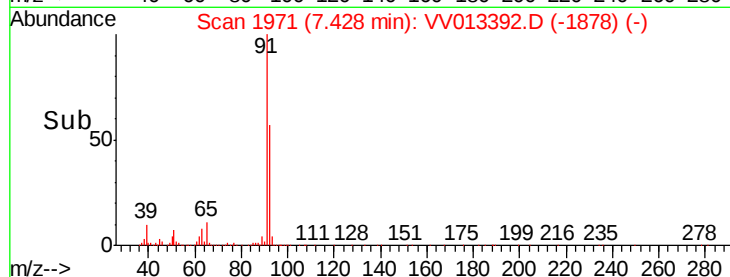
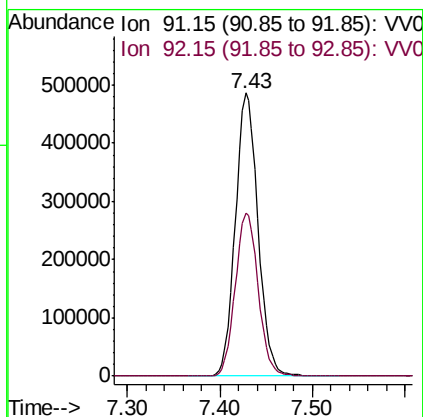
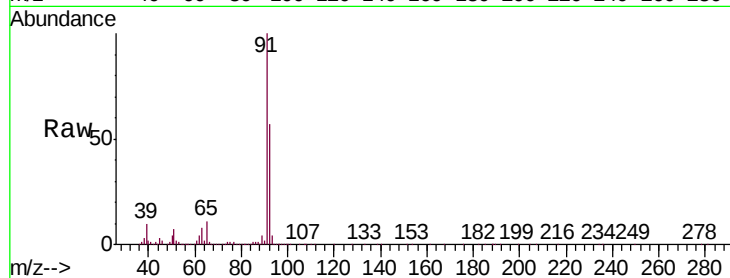
VSTD00534

Tgt Ion: 91 Resp: 822495

Ion Ratio Lower Upper

91 100

92 57.5 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 5.240 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013392.D

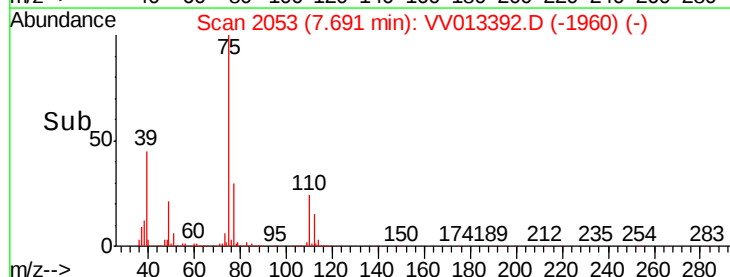
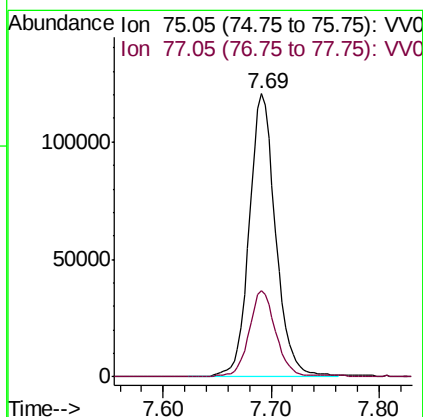
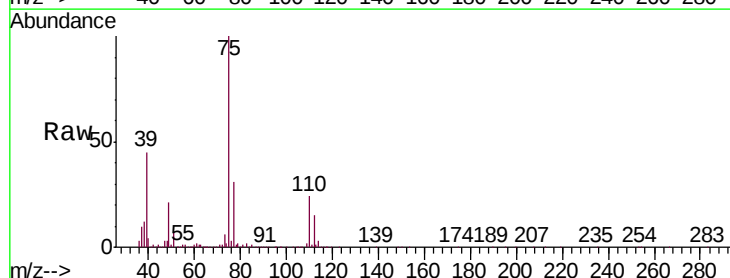
Acq: 29 Oct 2019 11:19

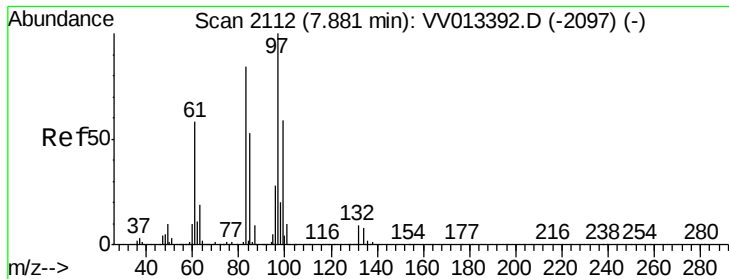
Tgt Ion: 75 Resp: 203848

Ion Ratio Lower Upper

75 100

77 30.7 21.5 39.9





#45

1,1,2-Trichloroethane

Concen: 5.067 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV013392.D

Acq: 29 Oct 2019 11:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

Tgt Ion: 97 Resp: 126786

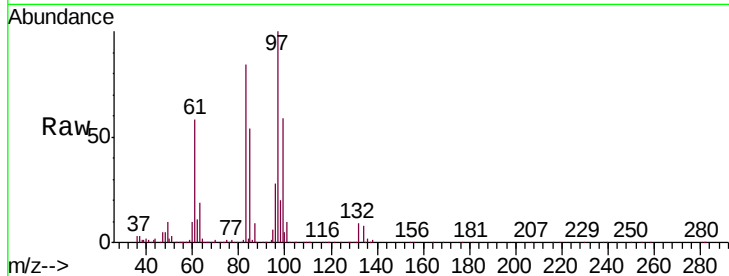
Ion Ratio Lower Upper

97 100

99 59.5 41.6 77.3

83 83.9 58.7 109.1

85 53.6 37.5 69.7



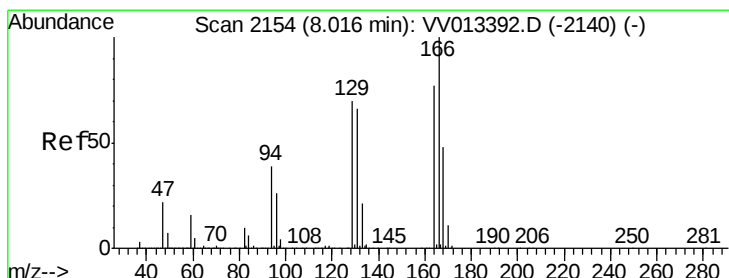
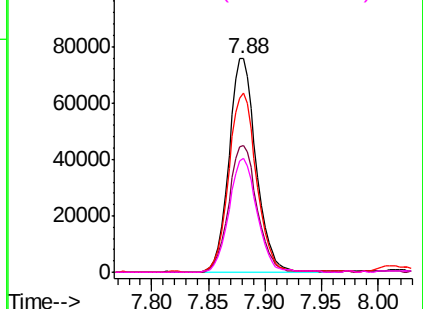
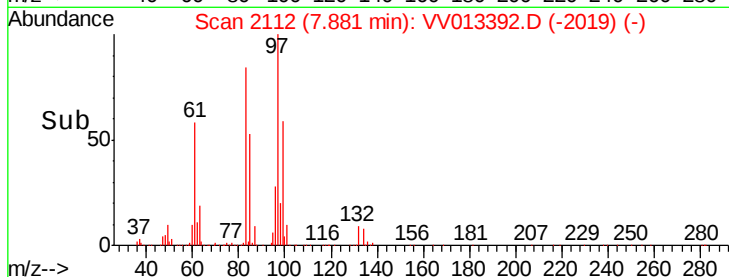
Abundance

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: 4.845 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013392.D

Acq: 29 Oct 2019 11:19

Tgt Ion: 164 Resp: 172844

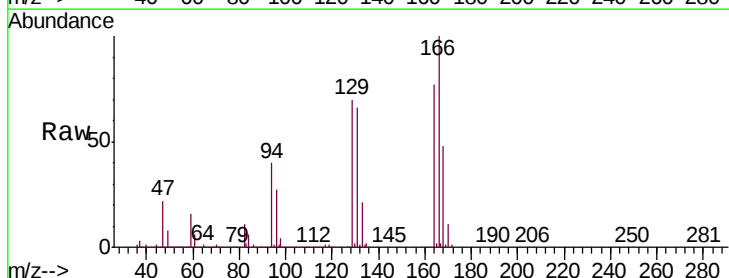
Ion Ratio Lower Upper

164 100

129 90.6 63.4 117.8

131 86.2 60.3 112.1

166 129.7 90.8 168.6



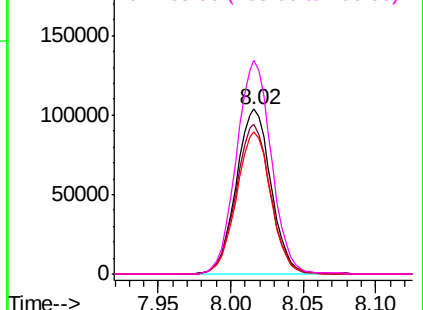
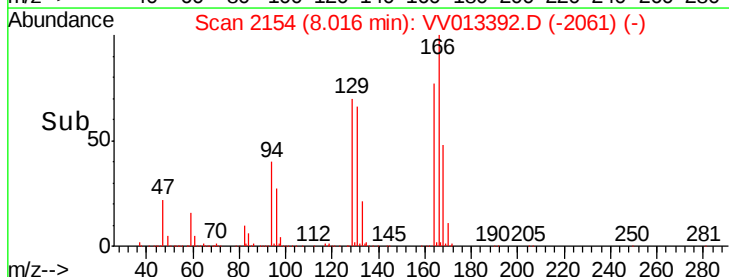
Abundance

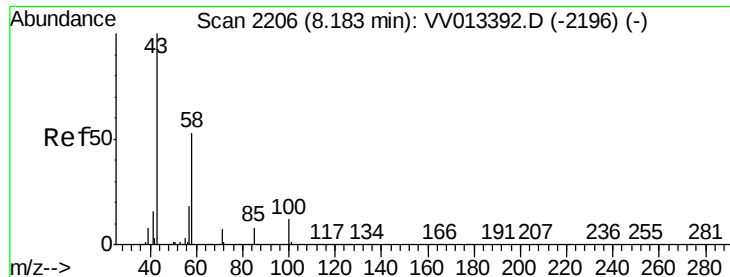
Ion 163.90 (163.60 to 164.60): V

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

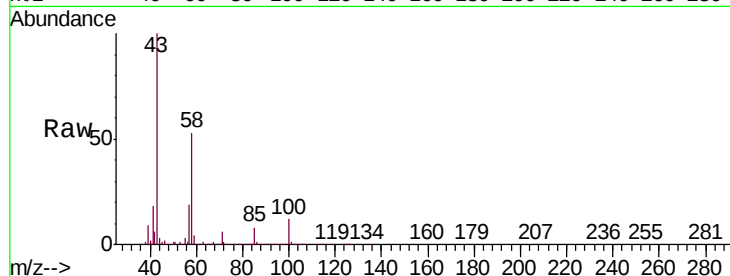




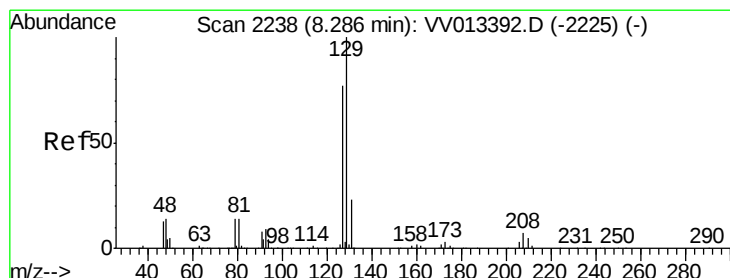
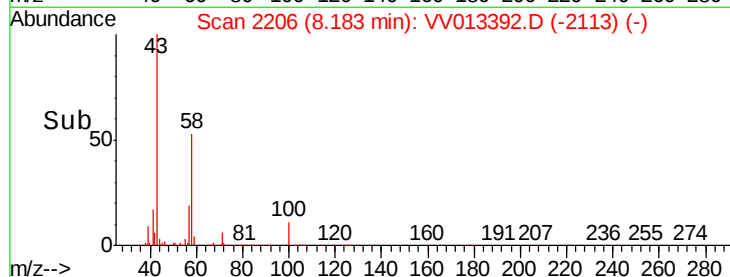
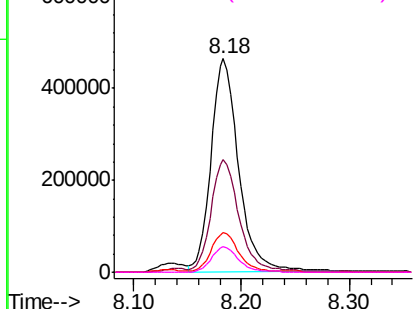
#48
2-Hexanone
Concen: 60.804 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013392.D
Acq: 29 Oct 2019 11:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD00534

Tgt Ion:	43	Resp:	823158
Ion	Ratio	Lower	Upper
43	100		
58	54.4	43.5	65.3
57	17.9	14.3	21.5
100	11.6	9.3	13.9

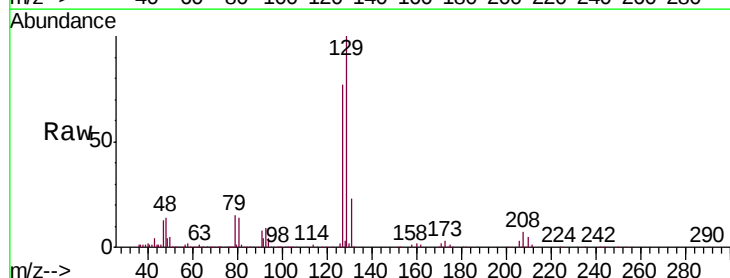


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

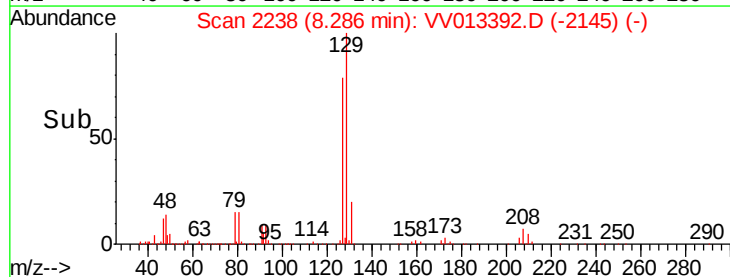
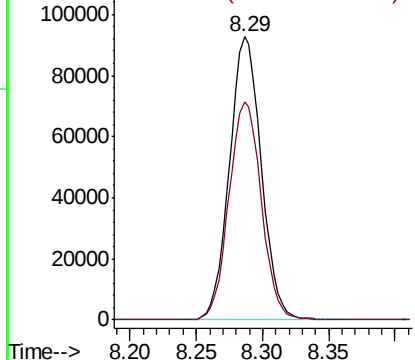


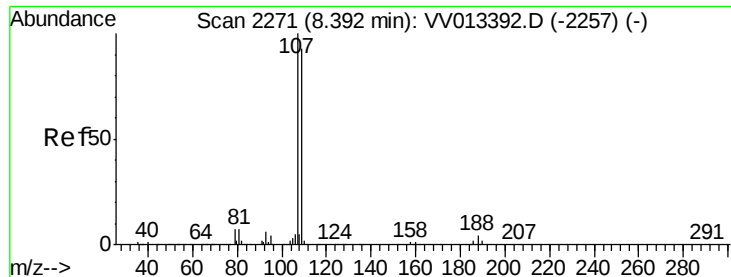
#49
Dibromochloromethane
Concen: 4.913 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013392.D
Acq: 29 Oct 2019 11:19

Tgt Ion:	129	Resp:	154784
Ion	Ratio	Lower	Upper
129	100		
127	76.9	53.8	100.0



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





#50

1,2-Dibromoethane

Concen: 4.885 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VV013392.D

Acq: 29 Oct 2019 11:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

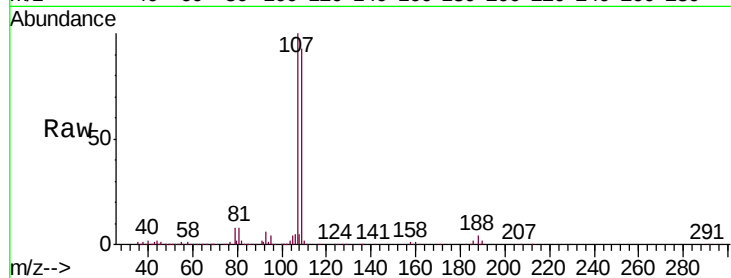
Tgt Ion:107 Resp: 116396

Ion Ratio Lower Upper

107 100

109 93.0 65.1 120.9

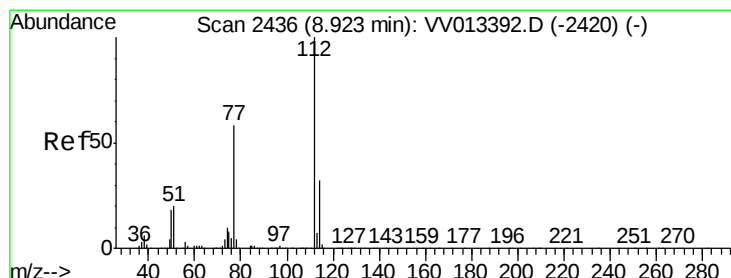
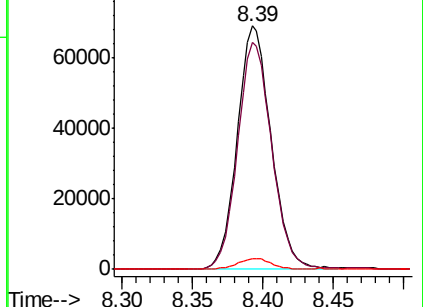
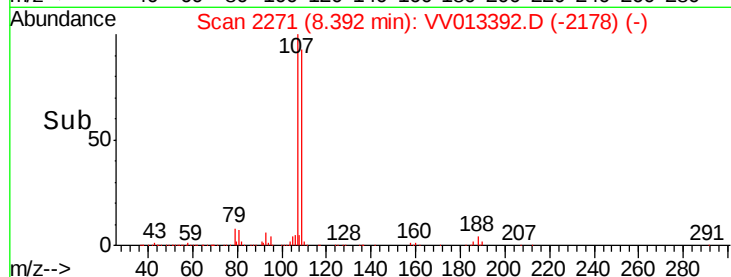
188 4.4 3.5 5.3



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: 5.061 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV013392.D

Acq: 29 Oct 2019 11:19

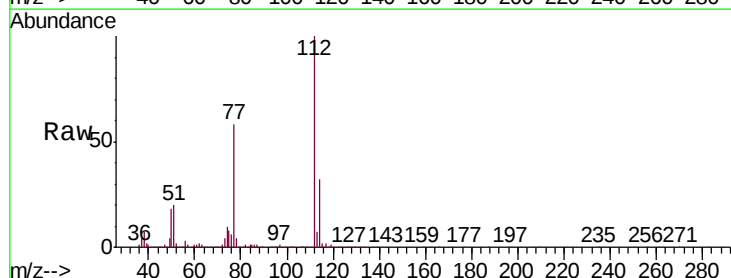
Tgt Ion:112 Resp: 514456

Ion Ratio Lower Upper

112 100

114 31.7 22.2 41.2

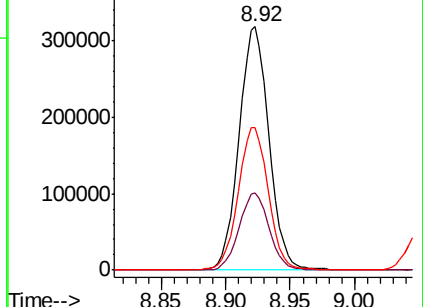
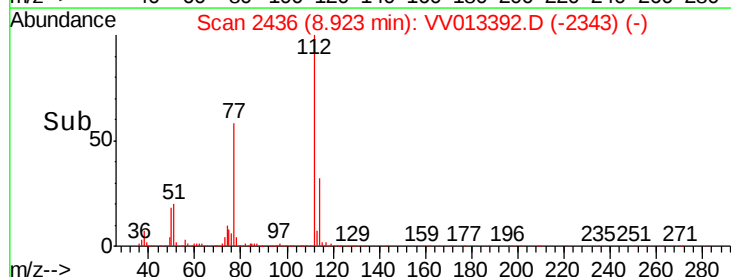
77 58.4 46.7 70.1

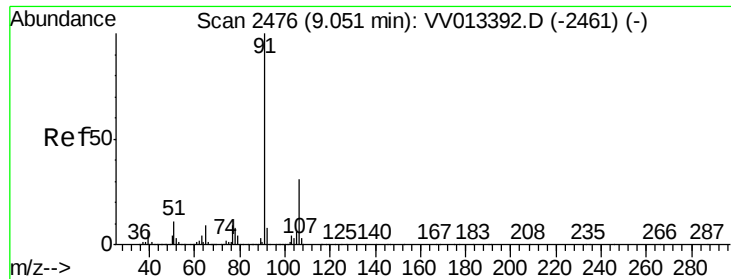


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 5.294 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013392.D

Acq: 29 Oct 2019 11:19

Instrument :

MSVOA_V

ClientSampleId :

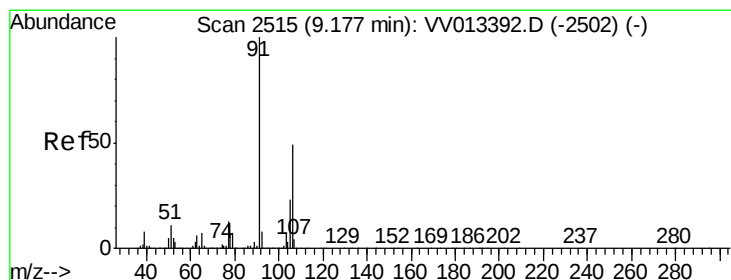
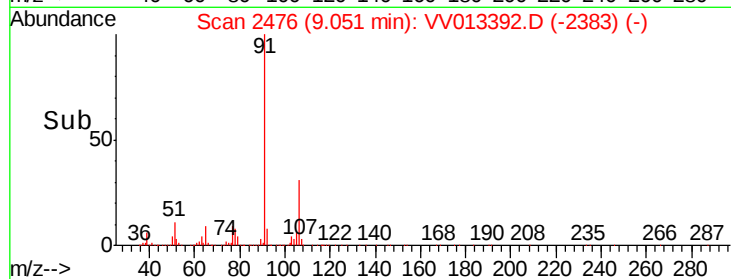
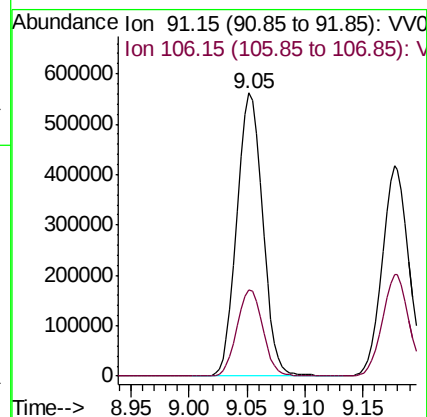
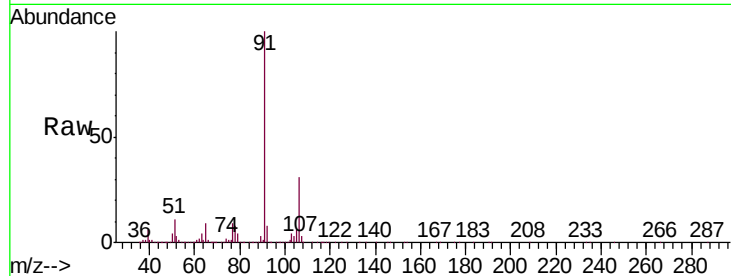
VSTD00534

Tgt Ion: 91 Resp: 865093

Ion Ratio Lower Upper

91 100

106 30.7 21.5 39.9



#53

m,p-xylene

Concen: 5.269 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013392.D

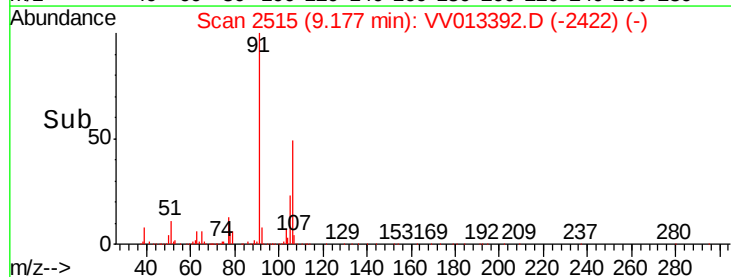
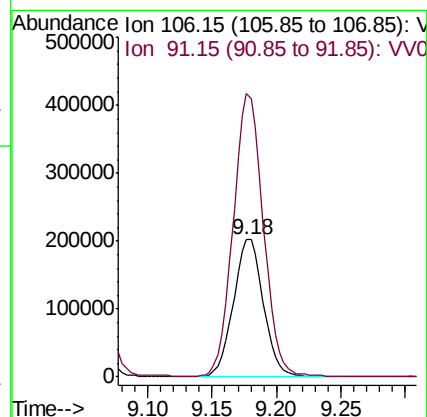
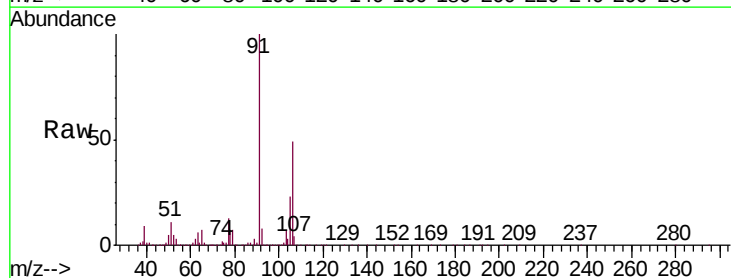
Acq: 29 Oct 2019 11:19

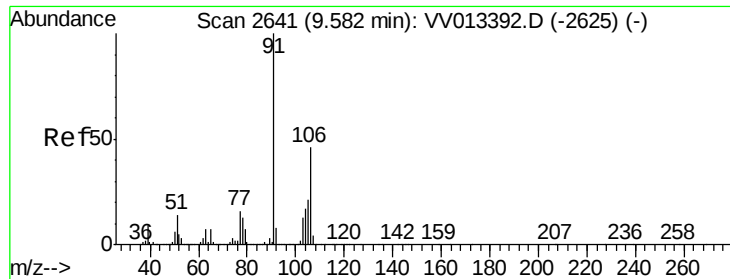
Tgt Ion: 106 Resp: 326475

Ion Ratio Lower Upper

106 100

91 206.1 144.3 267.9





#54

o-xylene

Concen: 5.262 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013392.D

Acq: 29 Oct 2019 11:19

Instrument :

MSVOA_V

ClientSampleId :

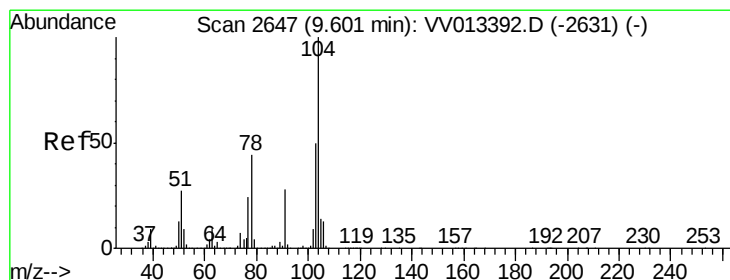
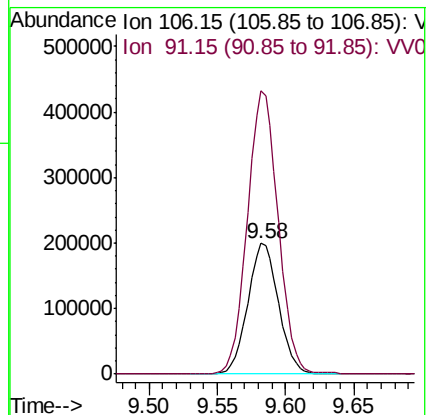
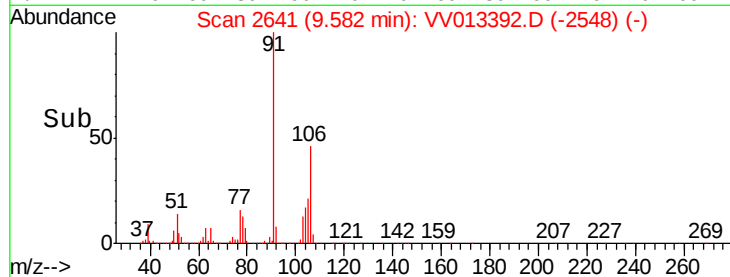
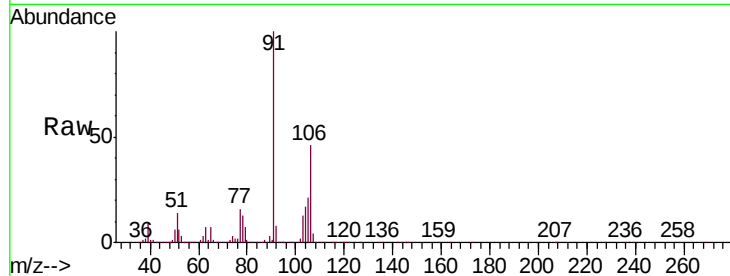
VSTD00534

Tgt Ion:106 Resp: 311219

Ion Ratio Lower Upper

106 100

91 216.5 151.5 281.5



#55

Styrene

Concen: 5.493 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013392.D

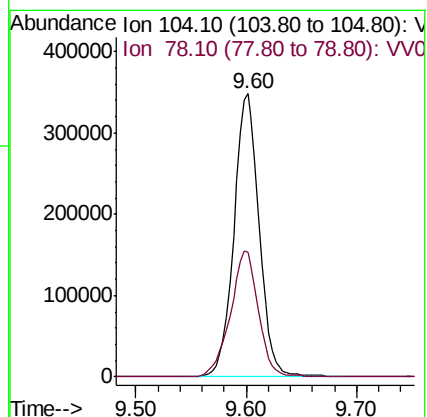
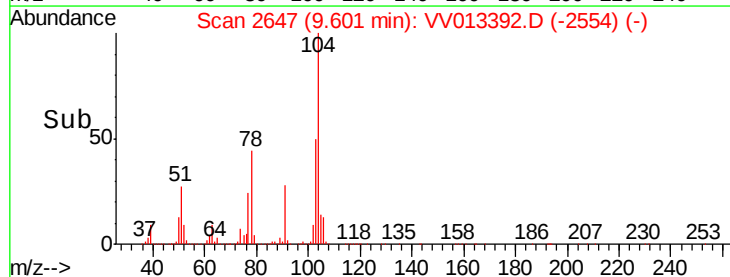
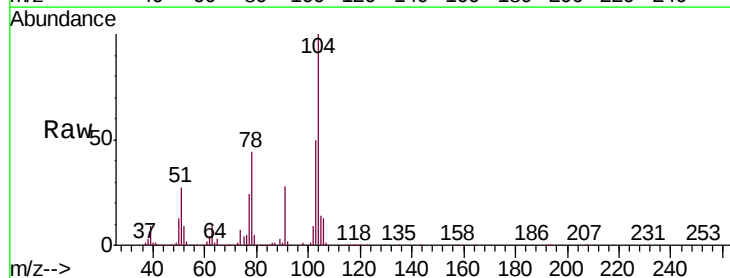
Acq: 29 Oct 2019 11:19

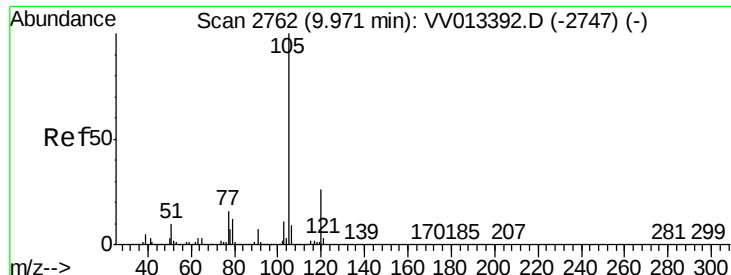
Tgt Ion:104 Resp: 552155

Ion Ratio Lower Upper

104 100

78 44.0 30.8 57.2





#56

Isopropylbenzene

Concen: 5.433 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013392.D

Acq: 29 Oct 2019 11:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

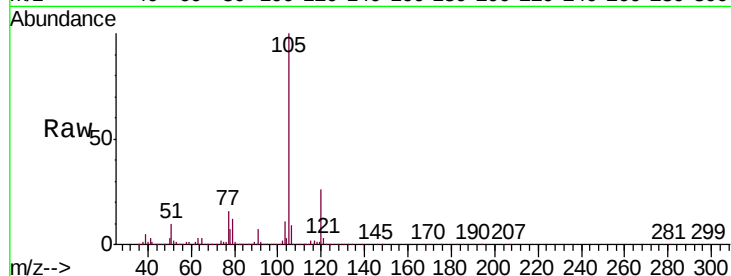
Tgt Ion: 105 Resp: 850020

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

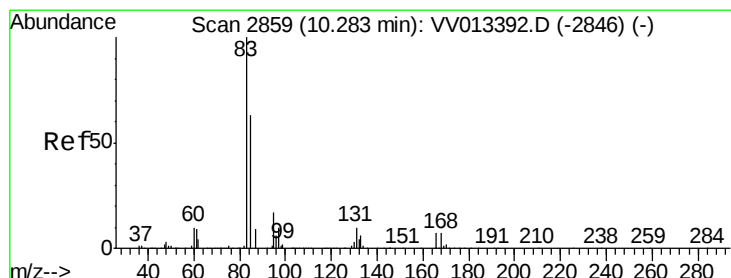
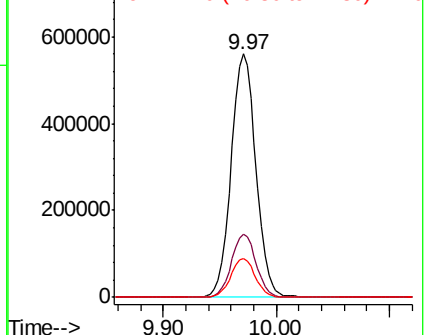
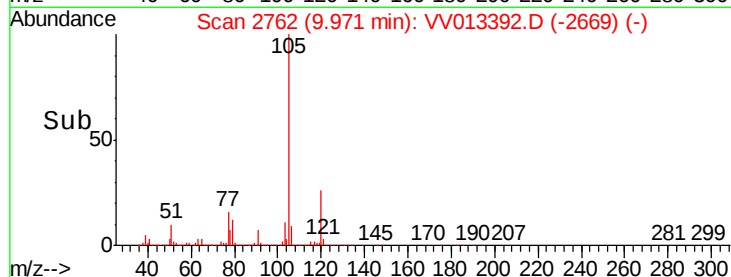
77 16.1 12.9 19.3



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: 4.774 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013392.D

Acq: 29 Oct 2019 11:19

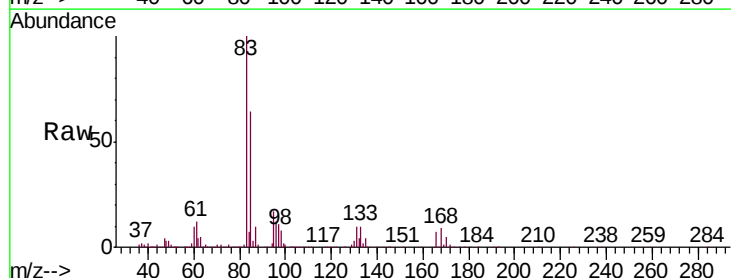
Tgt Ion: 83 Resp: 135958

Ion Ratio Lower Upper

83 100

85 63.6 44.5 82.7

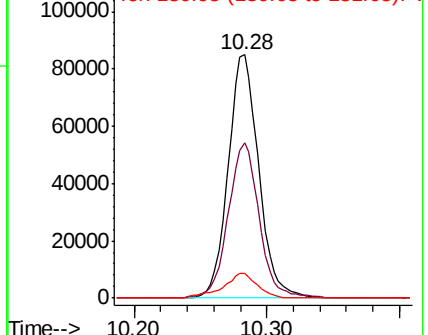
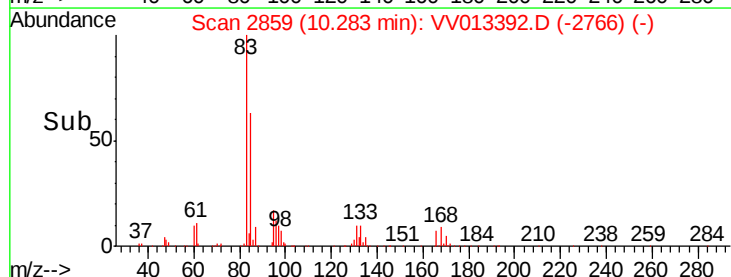
131 10.2 8.2 12.2

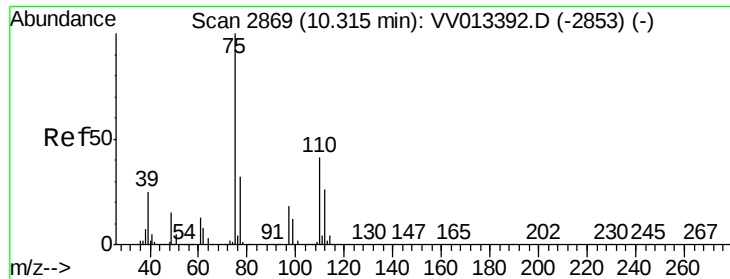


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.032 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013392.D

Acq: 29 Oct 2019 11:19

Instrument :

MSVOA_V

ClientSampleId :

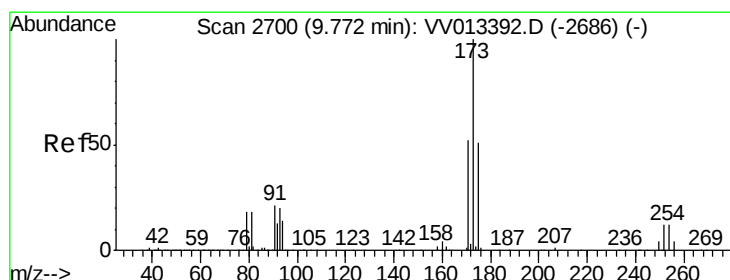
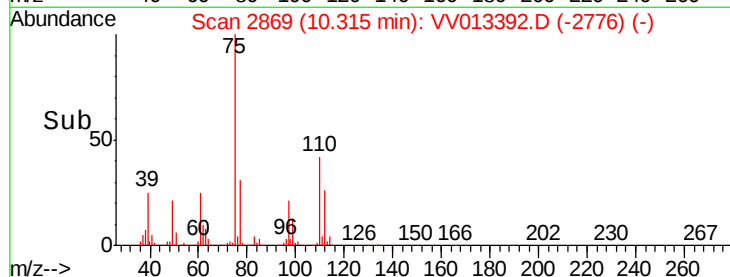
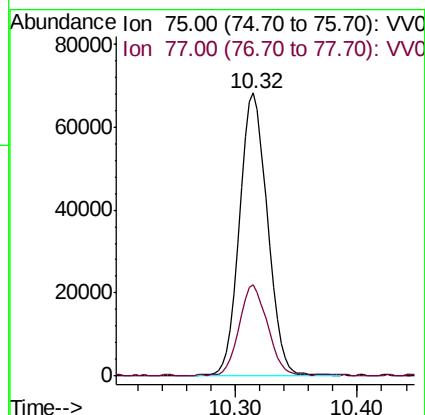
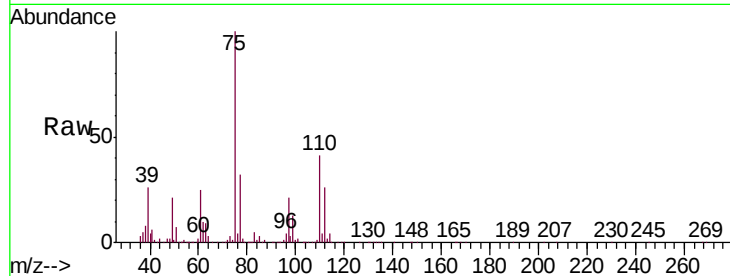
VSTD00534

Tgt Ion: 75 Resp: 108201

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5



#61

Bromoform

Concen: 4.803 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013392.D

Acq: 29 Oct 2019 11:19

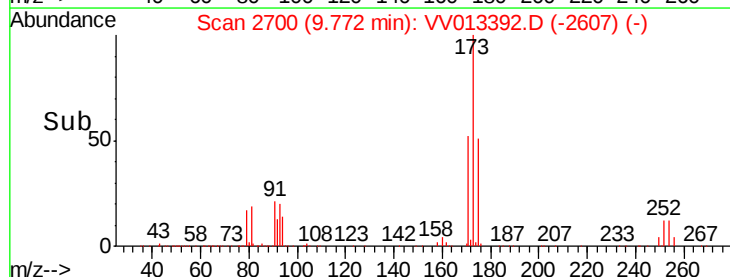
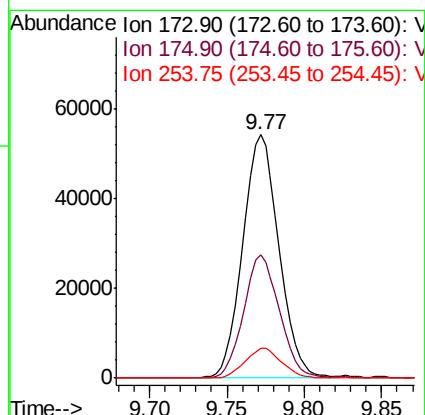
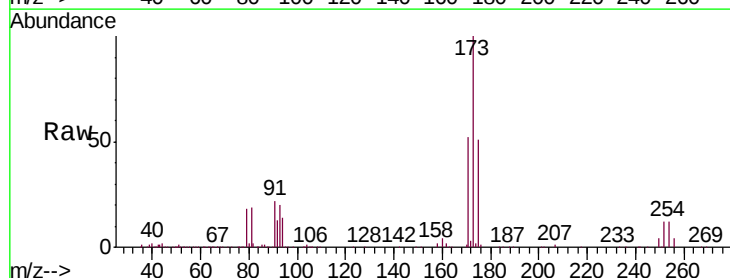
Tgt Ion: 173 Resp: 88353

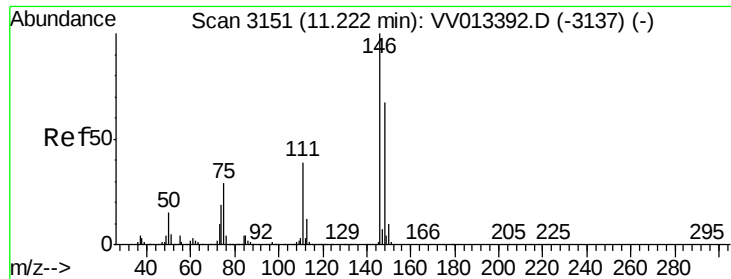
Ion Ratio Lower Upper

173 100

175 49.8 39.8 59.8

254 12.2 9.8 14.6

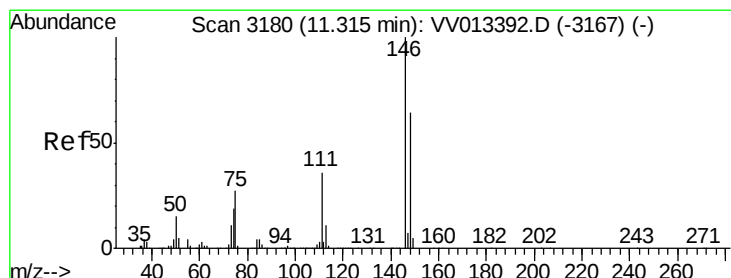
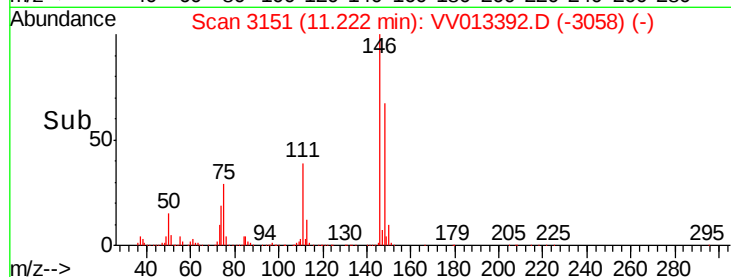
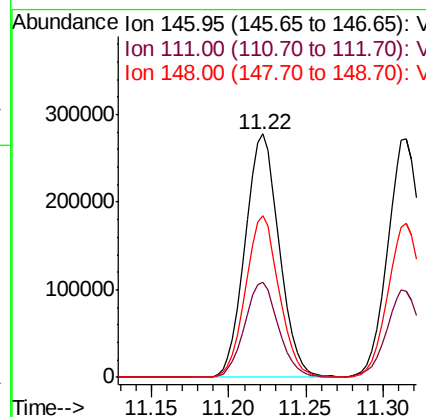
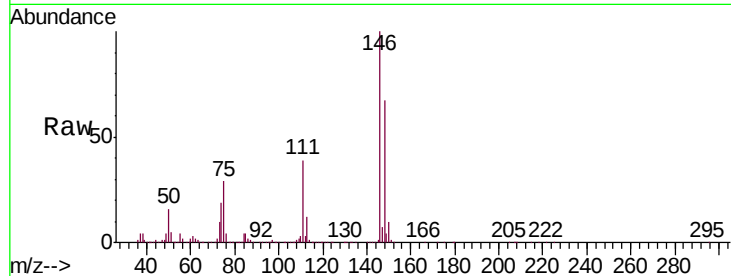




#62
 1,3-Dichlorobenzene
 Concen: 5.008 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV013392.D
 Acq: 29 Oct 2019 11:19

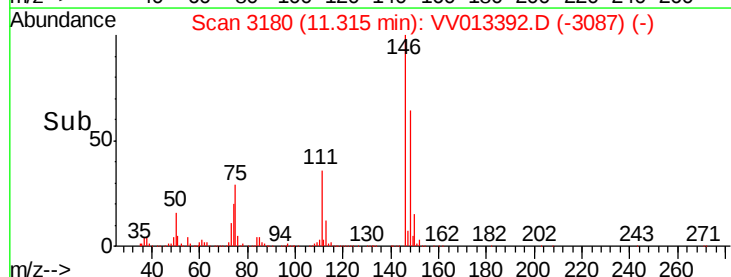
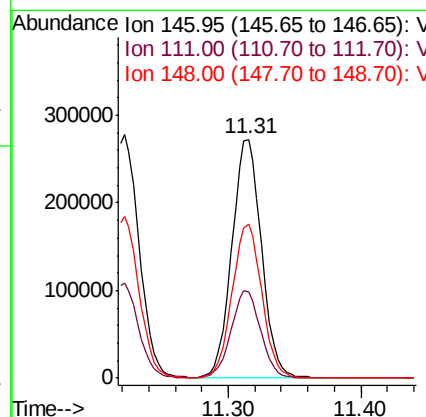
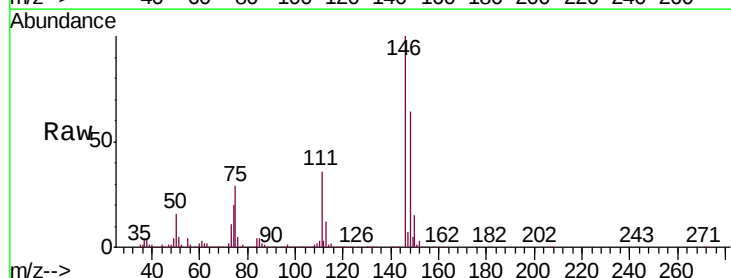
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

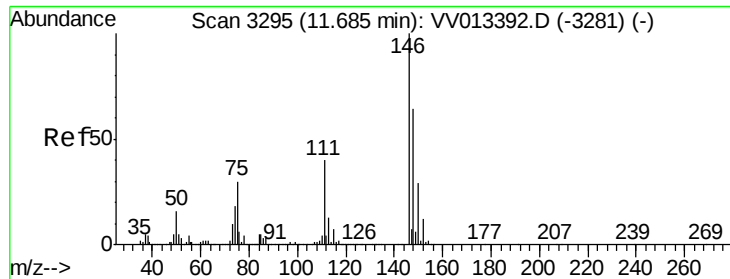
Tgt Ion:146 Resp: 426111
 Ion Ratio Lower Upper
 146 100
 111 38.8 27.2 50.4
 148 66.6 46.6 86.6



#63
 1,4-Dichlorobenzene
 Concen: 4.899 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013392.D
 Acq: 29 Oct 2019 11:19

Tgt Ion:146 Resp: 420123
 Ion Ratio Lower Upper
 146 100
 111 36.3 25.4 47.2
 148 64.2 44.9 83.5

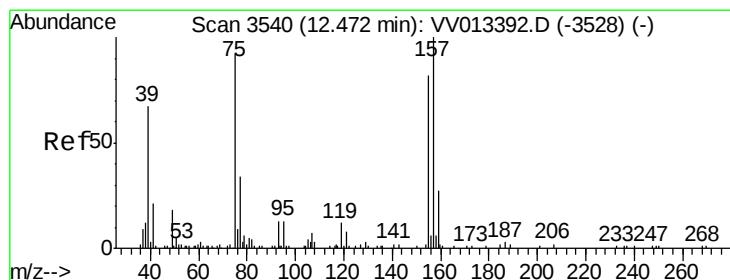
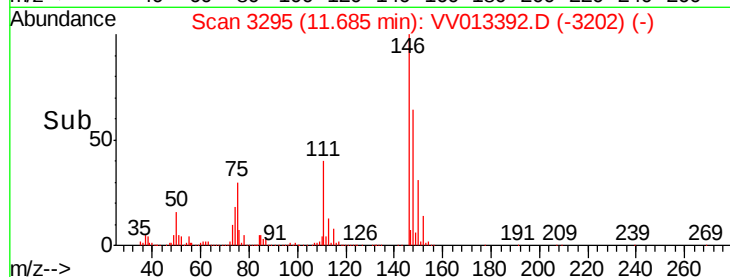
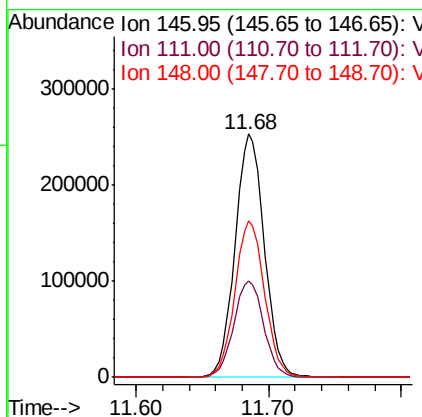
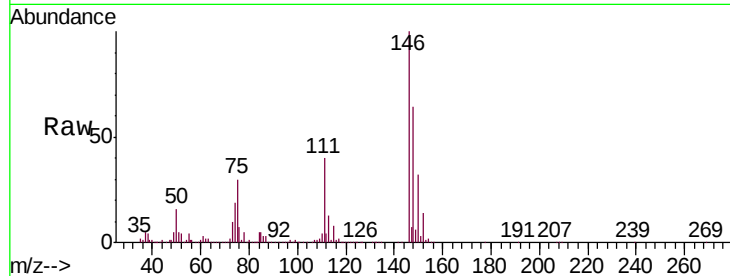




#65
 1,2-Dichlorobenzene
 Concen: 4.941 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013392.D
 Acq: 29 Oct 2019 11:19

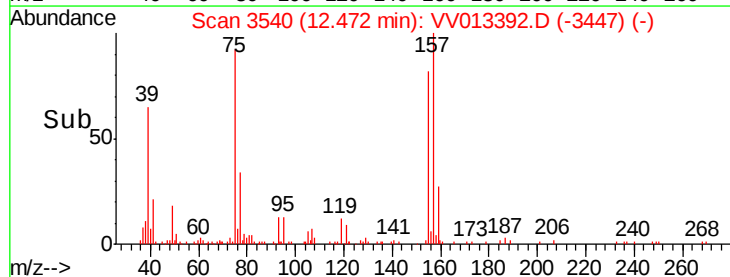
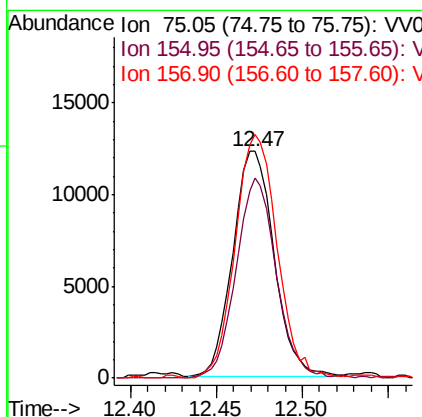
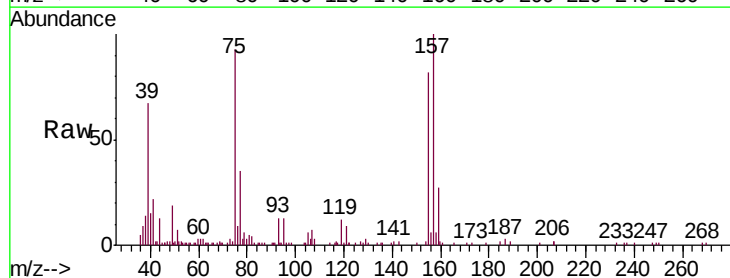
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

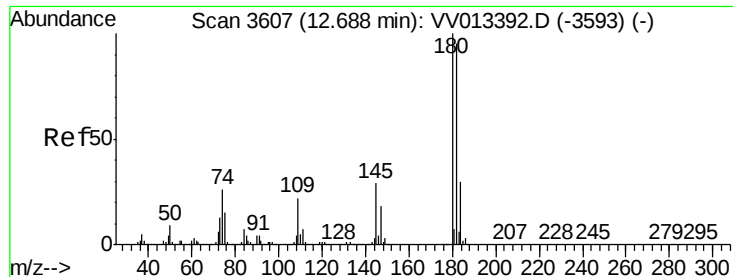
Tgt Ion:146 Resp: 387094
 Ion Ratio Lower Upper
 146 100
 111 39.9 31.9 47.9
 148 64.1 51.3 76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.593 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013392.D
 Acq: 29 Oct 2019 11:19

Tgt Ion: 75 Resp: 20321
 Ion Ratio Lower Upper
 75 100
 155 88.2 70.6 105.8
 157 107.3 85.8 128.8

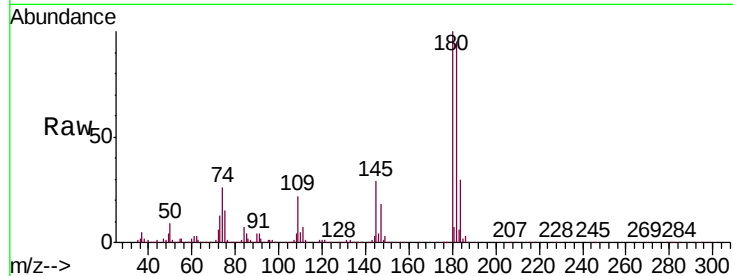




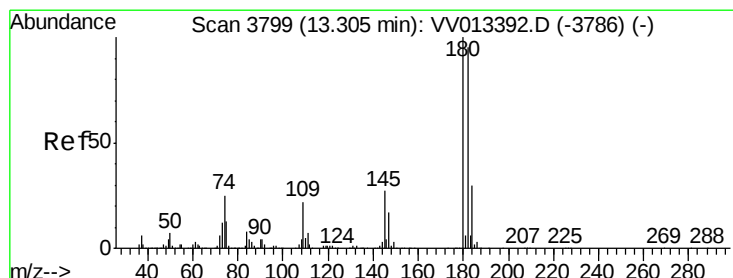
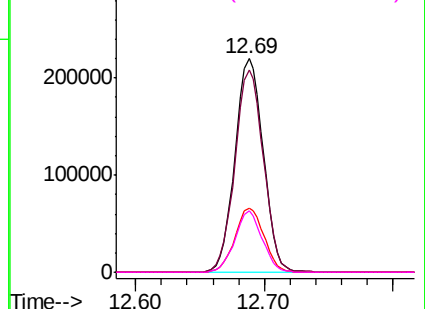
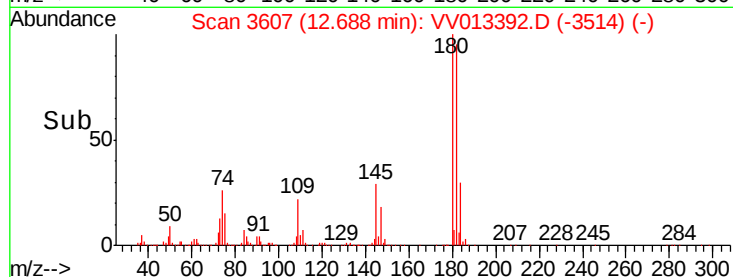
#67
 1,3,5-Trichlorobenzene
 Concen: 5.222 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013392.D
 Acq: 29 Oct 2019 11:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

Tgt Ion:	180	Resp:	335757
Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.4	114.6
184	30.7	24.6	36.8
145	27.7	22.2	33.2

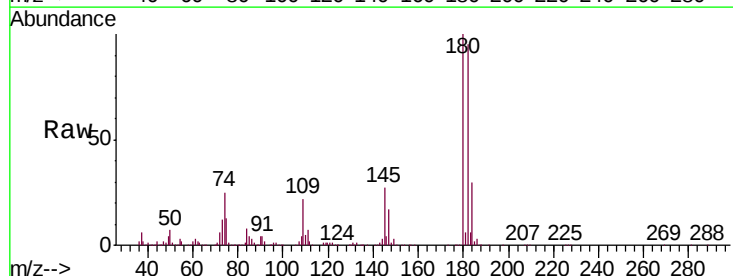


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

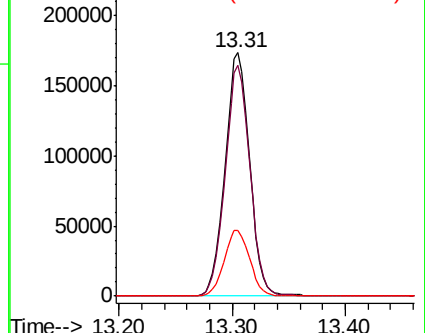
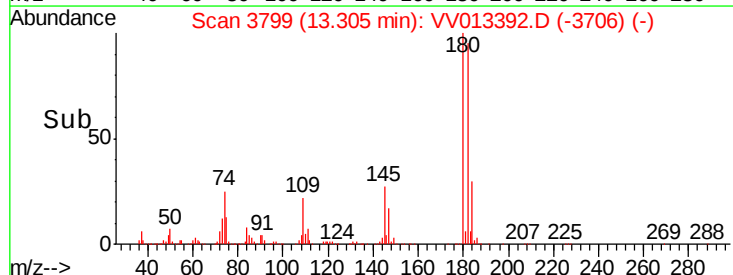


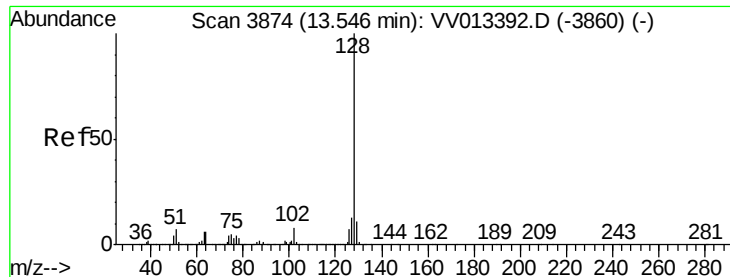
#68
 1,2,4-trichlorobenzene
 Concen: 4.723 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013392.D
 Acq: 29 Oct 2019 11:19

Tgt Ion:	180	Resp:	262460
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
145	28.1	22.5	33.7



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: 4.586 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013392.D

Acq: 29 Oct 2019 11:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

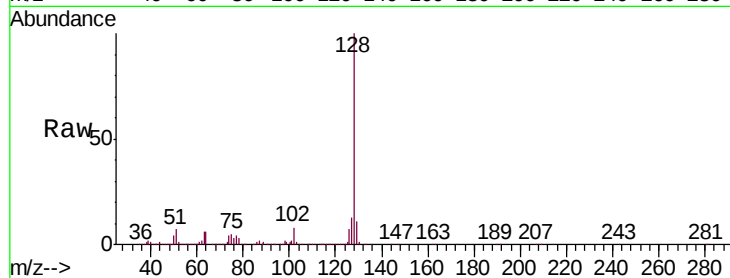
Tgt Ion:128 Resp: 351027

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

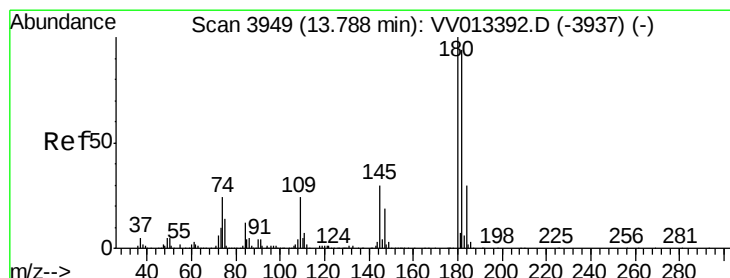
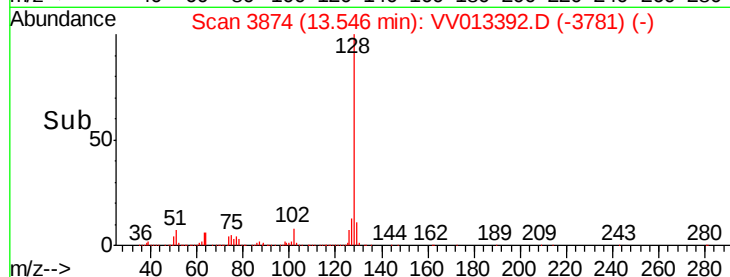
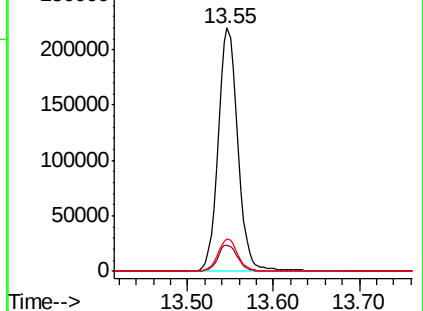
127 13.3 10.6 16.0



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: 4.752 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013392.D

Acq: 29 Oct 2019 11:19

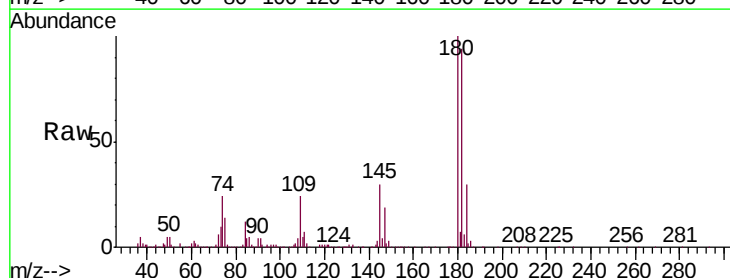
Tgt Ion:180 Resp: 242861

Ion Ratio Lower Upper

180 100

182 94.6 75.7 113.5

145 30.1 24.1 36.1



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

