

Data File : VV013394.D
Acq On : 29 Oct 2019 12:07
Operator : SY/MD
Sample : VSTD02036
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02036

Quant Time: Oct 30 02:01:50 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	394973	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	403060	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	260112	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	704051	22.62	ug/L	0.00
7) Chloroethane-d5	1.58	69	555021	22.01	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	1149534	21.34	ug/L	0.00
20) 2-Butanone-d5	3.96	46	1818454	280.76	ug/L	0.00
24) Chloroform-d	4.40	84	1418838	20.40	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	699960	21.35	ug/L	0.00
32) Benzene-d6	5.09	84	2889532	21.69	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	878059	21.89	ug/L	0.00
41) Toluene-d8	7.36	98	2720958	22.09	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	345721	22.71	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	1339469	256.28	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	574483	20.19	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	997907	19.33	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	1007754	22.056	ug/L	100
3) Chloromethane	1.25	50	861262	21.588	ug/L	98
5) Vinyl chloride	1.32	62	834899	21.073	ug/L	100
6) Bromomethane	1.53	94	467284	21.062	ug/L	97
8) Chloroethane	1.60	64	469557	20.063	ug/L	98
9) Trichlorofluoromethane	1.77	101	1082072	19.349	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	603359	18.464	ug/L	100
12) 1,1-Dichloroethene	2.14	96	573837	18.476	ug/L	92
13) Acetone	2.24	43	847676	262.920	ug/L	97
14) Carbon disulfide	2.31	76	1762944	19.503	ug/L	100
15) Methyl Acetate	2.47	43	309758	27.509	ug/L	99
16) Methylene chloride	2.53	84	753286	15.764	ug/L	99
17) Methyl tert-butyl Ether	2.81	73	1671219	22.162	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	769431	20.124	ug/L	99
19) 1,1-Dichloroethane	3.23	63	1447581	22.342	ug/L	99
21) 2-Butanone	4.04	43	2010399	280.336	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	826968	20.291	ug/L	# 98
23) Bromochloromethane	4.30	128	347166	18.720	ug/L	97
25) Chloroform	4.42	83	1411222	17.925	ug/L	97
27) 1,2-Dichloroethane	5.18	62	854279	20.271	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	1218475	20.192	ug/L	99
30) Cyclohexane	4.72	56	1419265	22.441	ug/L	98
31) Carbon tetrachloride	4.87	117	1117439	20.586	ug/L	100
33) Benzene	5.14	78	3181161	20.444	ug/L	100
34) Trichloroethene	5.96	95	834120	19.937	ug/L	99
35) Methylcyclohexane	6.17	83	1425716	22.106	ug/L	98
37) 1,2-Dichloropropane	6.22	63	794542	20.911	ug/L	100
38) Bromodichloromethane	6.55	83	988722	20.271	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	1184943	22.129	ug/L	96
40) 4-Methyl-2-pentanone	7.27	43	4785611	240.384	ug/L	97

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42) Toluene	7.43	91	3362943	20.635	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	897941	22.026	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	511721	19.515	ug/L	98
47) Tetrachloroethene	8.02	164	717150	19.183	ug/L	98
48) 2-Hexanone	8.18	43	3346747	235.905	ug/L	99
49) Dibromochloromethane	8.29	129	650436	19.700	ug/L	97
50) 1,2-Dibromoethane	8.39	107	485001	19.422	ug/L	98
51) Chlorobenzene	8.92	112	2100486	19.717	ug/L	100
52) Ethylbenzene	9.05	91	3727439	21.768	ug/L	99
53) m,p-xylene	9.18	106	1430628	22.032	ug/L	98
54) o-xylene	9.58	106	1377565	22.226	ug/L	96
55) Styrene	9.60	104	2349506	22.305	ug/L	99
56) Isopropylbenzene	9.97	105	3676502	22.426	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	566481	18.983	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	440505	19.548	ug/L	99
61) Bromoform	9.77	173	384790	19.232	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	1782071	19.257	ug/L	97
63) 1,4-Dichlorobenzene	11.31	146	1757511	18.844	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	1601761	18.800	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	90414	18.791	ug/L	87
67) 1,3,5-Trichlorobenzene	12.69	180	1450837	20.749	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	1229367	20.341	ug/L	100
69) Naphthalene	13.55	128	1894513	22.758	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	1113485	20.034	ug/L	100

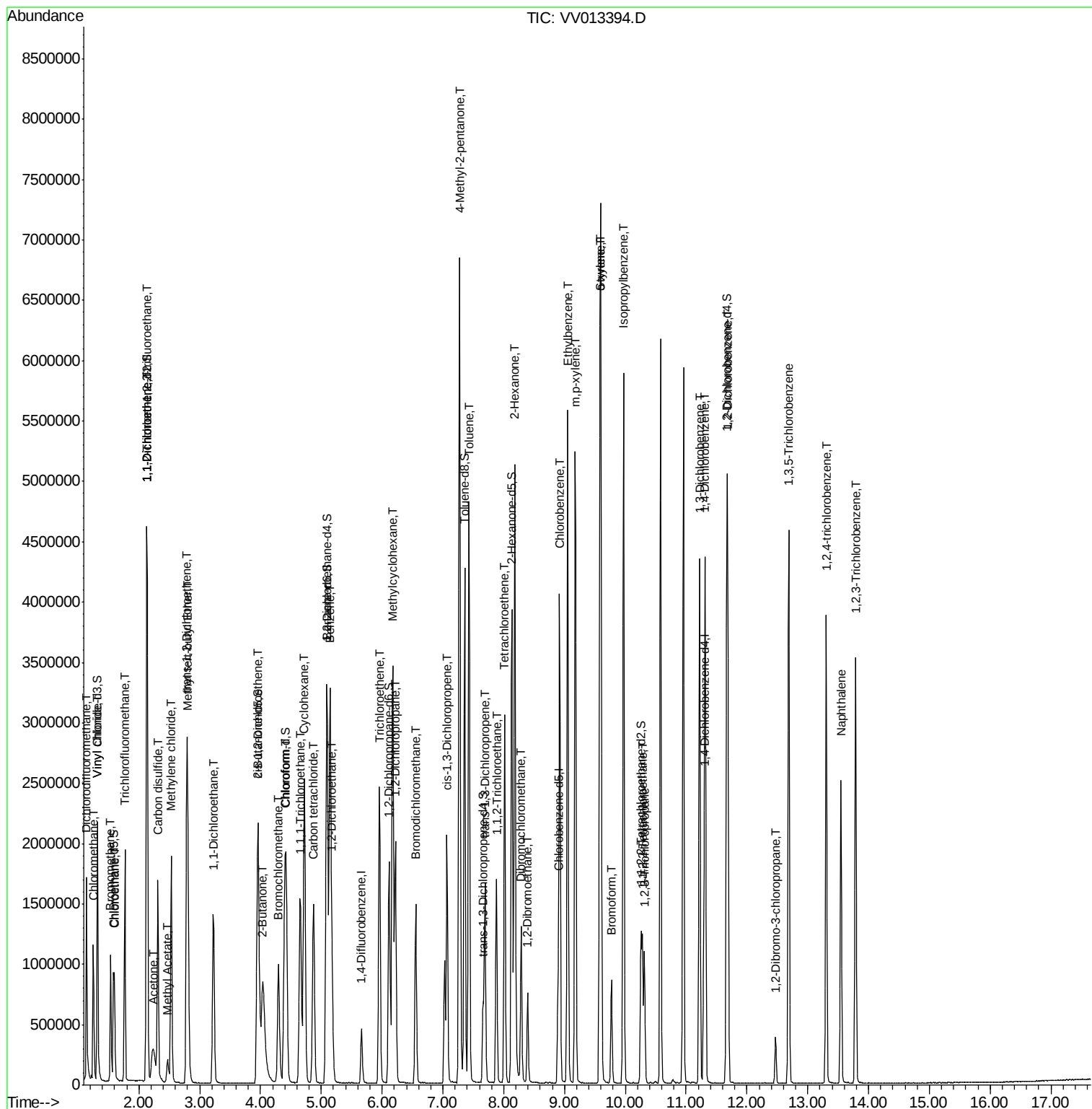
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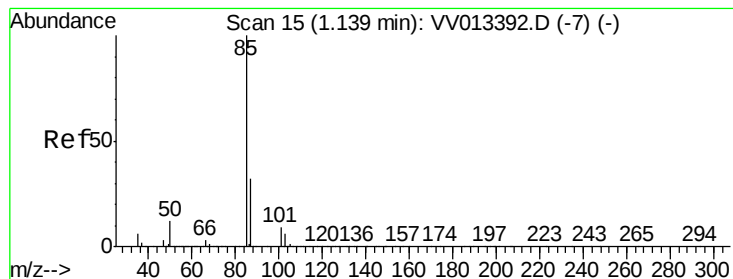
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#2

Dichlorodifluoromethane

Concen: 22.056 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013394.D

Acq: 29 Oct 2019 12:07

Instrument :

MSVOA_V

ClientSampleId :

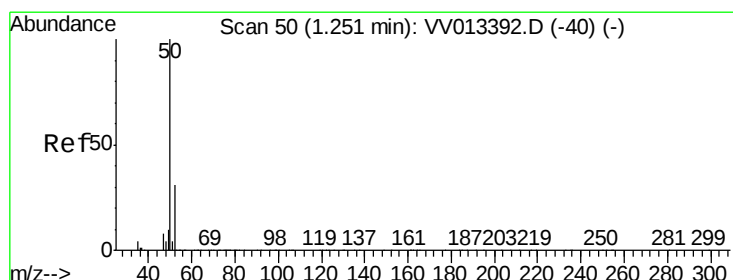
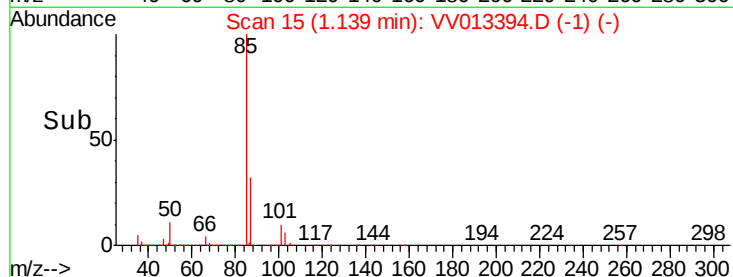
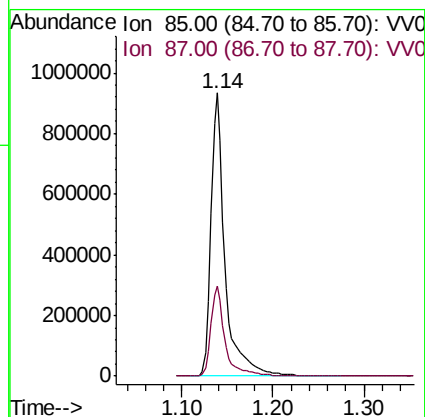
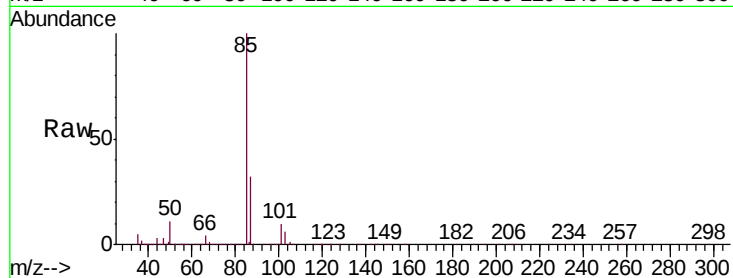
VSTD02036

Tgt Ion: 85 Resp: 1007754

Ion Ratio Lower Upper

85 100

87 32.1 25.8 38.6



#3

Chloromethane

Concen: 21.588 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013394.D

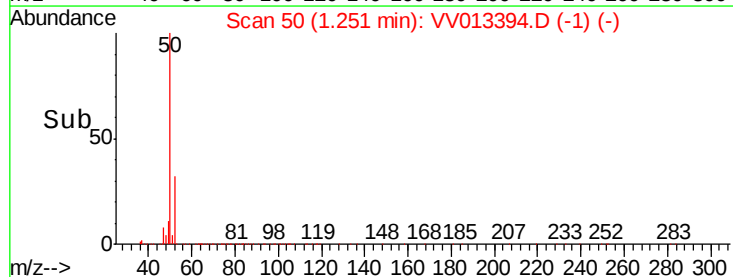
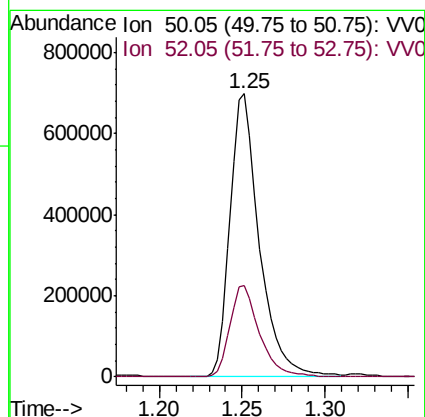
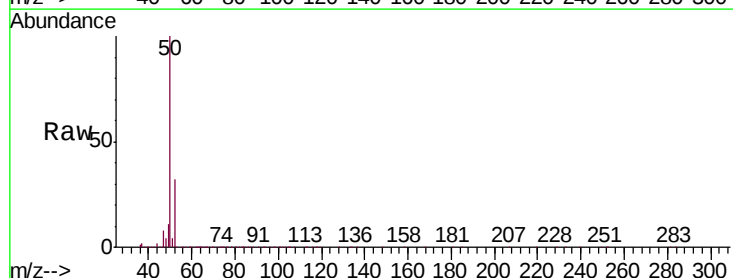
Acq: 29 Oct 2019 12:07

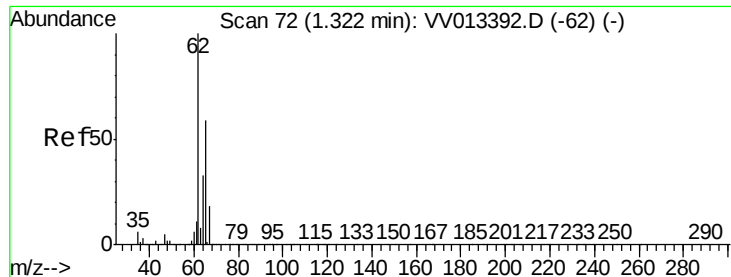
Tgt Ion: 50 Resp: 861262

Ion Ratio Lower Upper

50 100

52 32.2 21.9 40.7





#5

Vinyl chloride

Concen: 21.073 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013394.D

Acq: 29 Oct 2019 12:07

Instrument :

MSVOA_V

ClientSampleId :

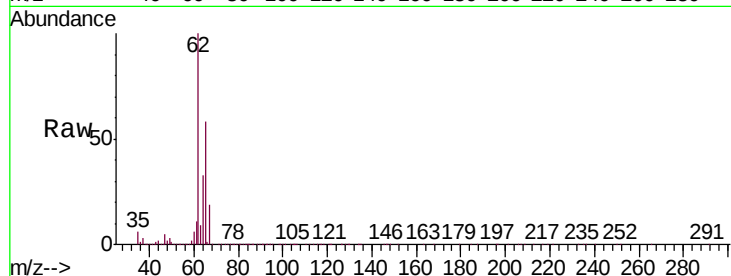
VSTD02036

Tgt Ion: 62 Resp: 834899

Ion Ratio Lower Upper

62 100

64 32.8 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

800000

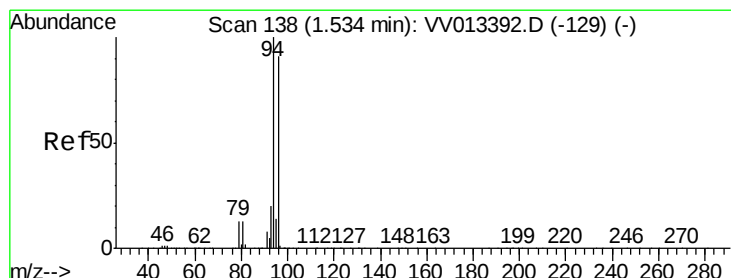
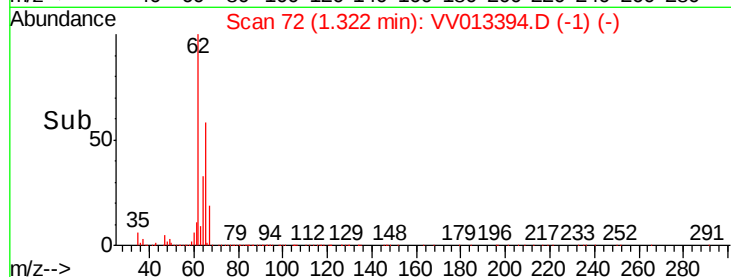
600000

400000

200000

0

Time--> 1.20 1.30 1.40 1.50



#6

Bromomethane

Concen: 21.062 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013394.D

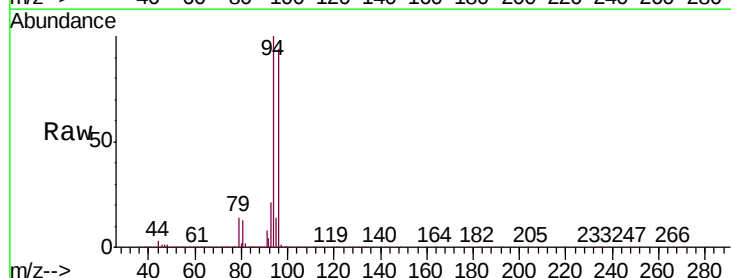
Acq: 29 Oct 2019 12:07

Tgt Ion: 94 Resp: 467284

Ion Ratio Lower Upper

94 100

96 94.4 63.8 118.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

400000

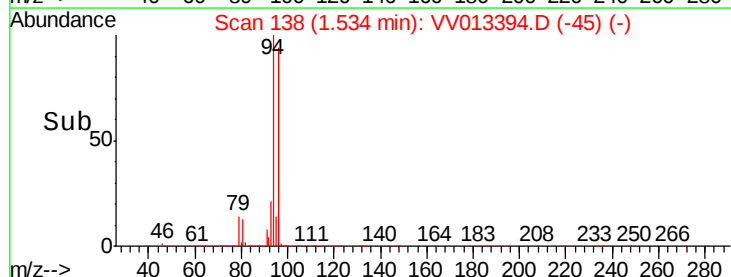
300000

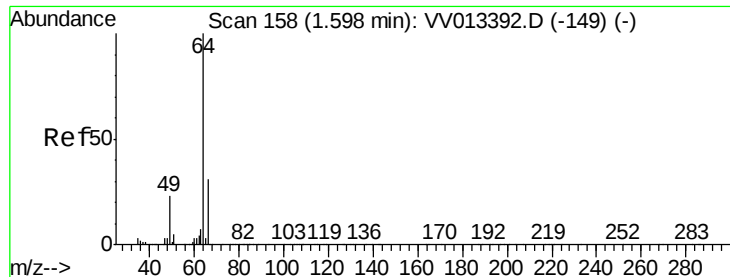
200000

100000

0

Time--> 1.50 1.60

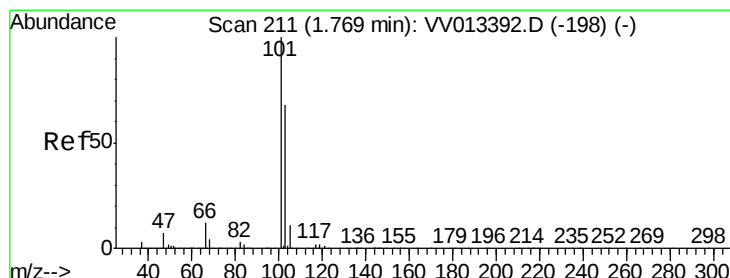
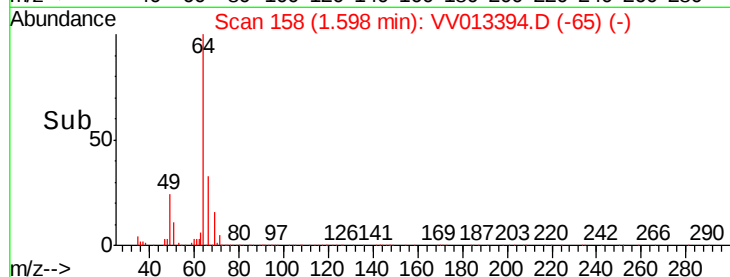
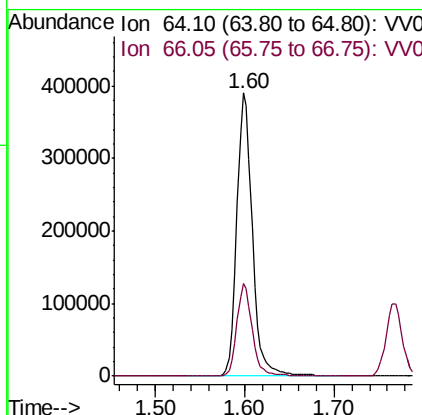
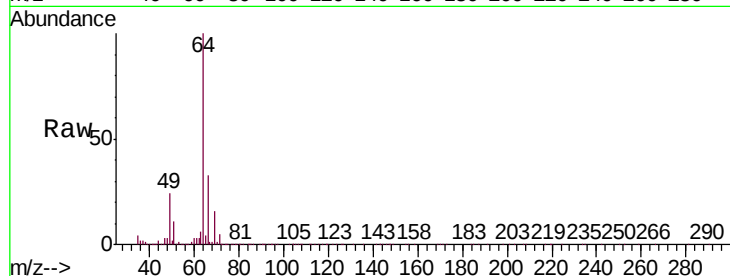




#8
Chloroethane
Concen: 20.063 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV013394.D
Acq: 29 Oct 2019 12:07

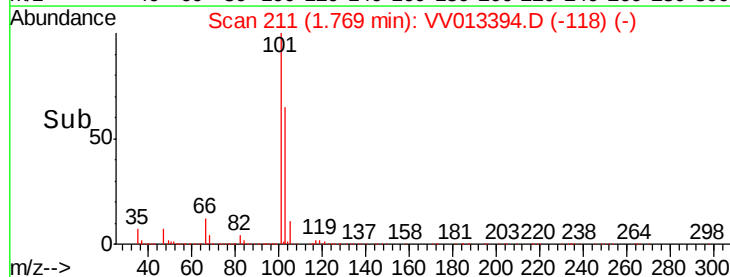
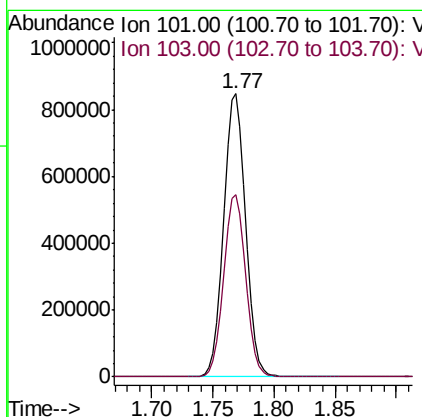
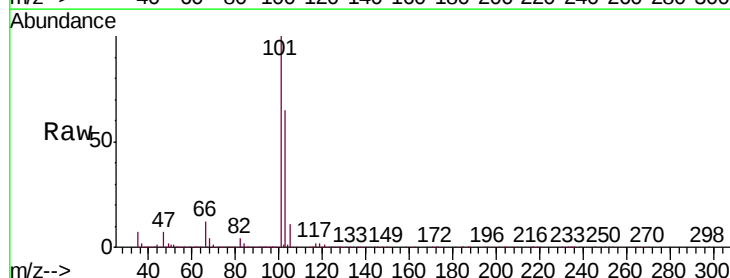
Instrument :
MSVOA_V
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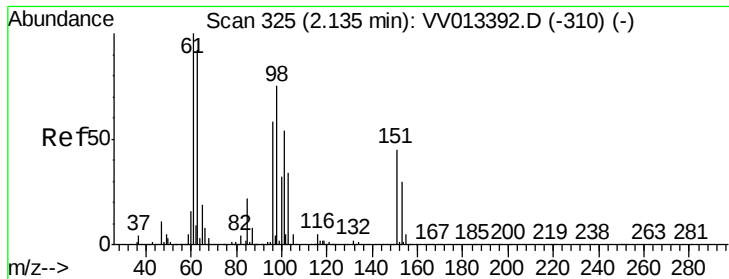
Tgt Ion: 64 Resp: 469557
Ion Ratio Lower Upper
64 100
66 32.8 22.0 41.0



#9
Trichlorofluoromethane
Concen: 19.349 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV013394.D
Acq: 29 Oct 2019 12:07

Tgt Ion: 101 Resp: 1082072
Ion Ratio Lower Upper
101 100
103 64.6 54.2 81.2





#10

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

Concen: 18.464 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013394.D

Acq: 29 Oct 2019 12:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD02036

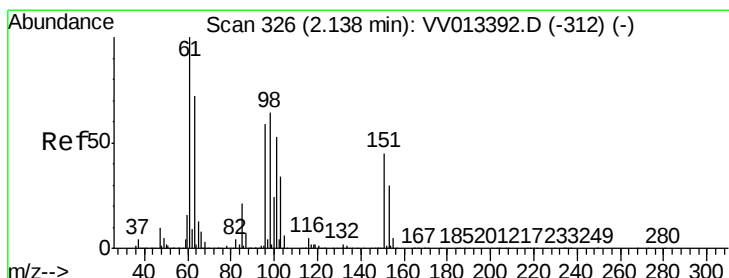
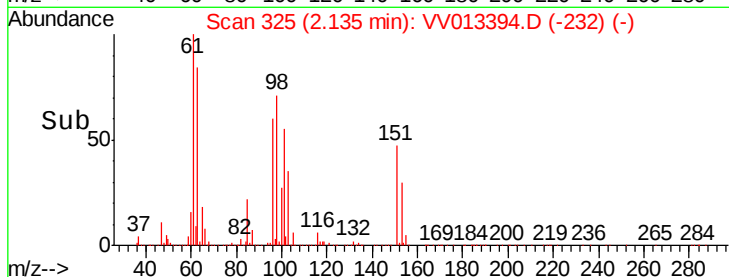
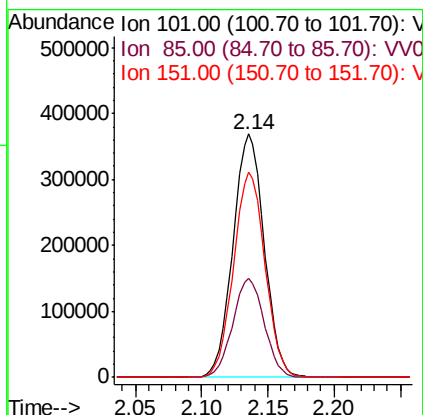
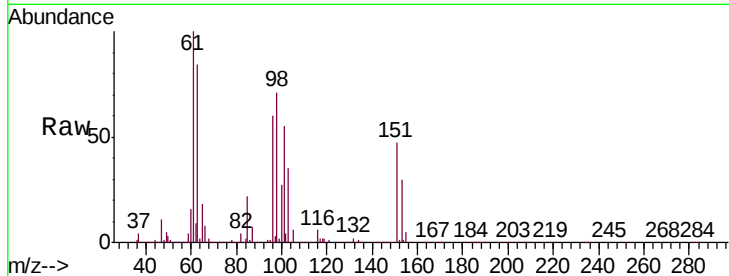
Tgt Ion: 101 Resp: 603359

Ion Ratio Lower Upper

101 100

85 40.8 33.0 49.4

151 85.3 68.2 102.2



#12

1,1-Dichloroethene

Concen: 18.476 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013394.D

Acq: 29 Oct 2019 12:07

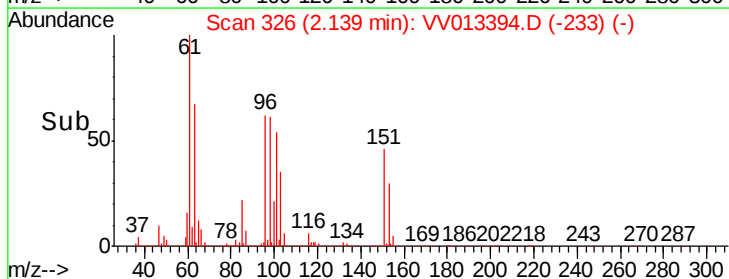
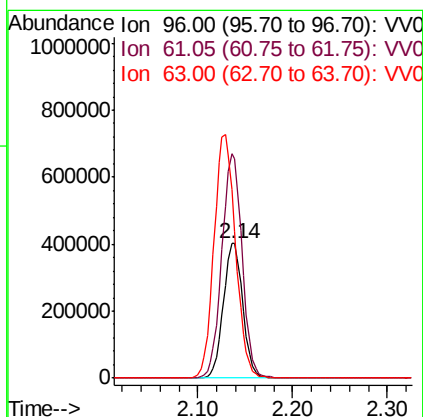
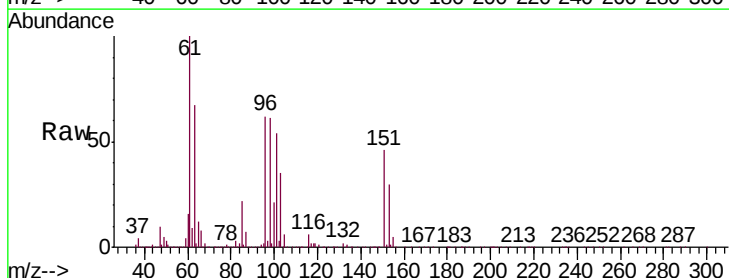
Tgt Ion: 96 Resp: 573837

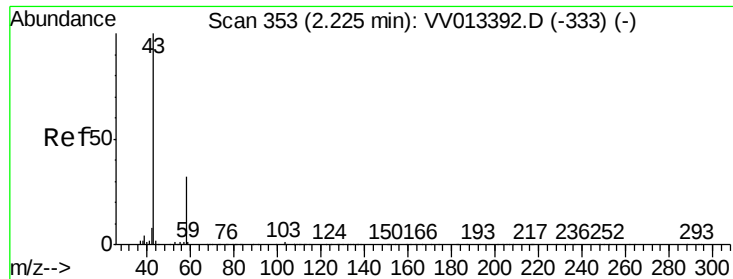
Ion Ratio Lower Upper

96 100

61 162.4 117.8 218.8

63 108.9 85.5 158.9





#13

Acetone

Concen: 262.920 ug/L

RT: 2.24 min Scan# 357

Delta R.T. 0.01 min

Lab File: VV013394.D

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ClientSampleId :

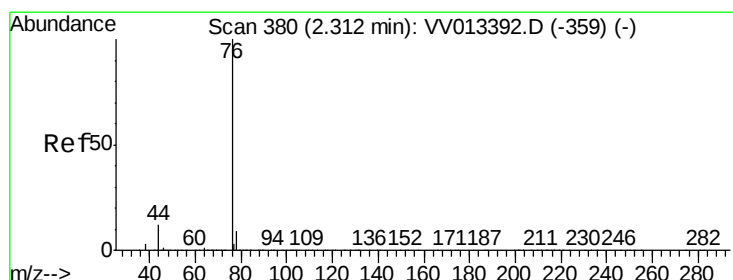
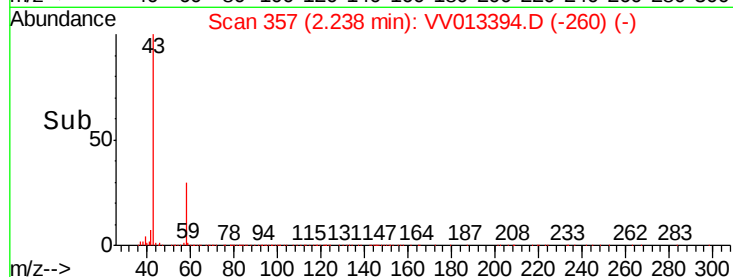
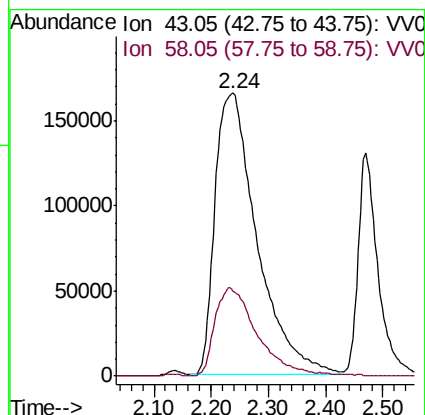
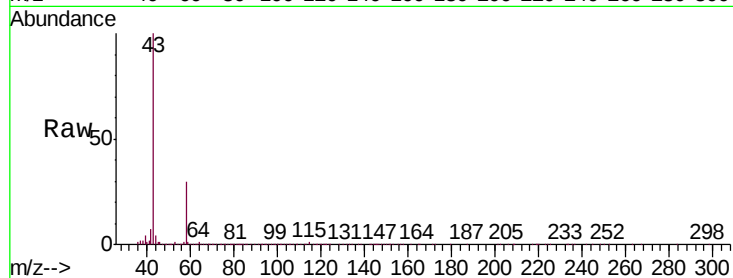
VSTD02036

Tgt Ion: 43 Resp: 847676

Ion Ratio Lower Upper

43 100

58 30.9 0.0 59.0



#14

Carbon disulfide

Concen: 19.503 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV013394.D

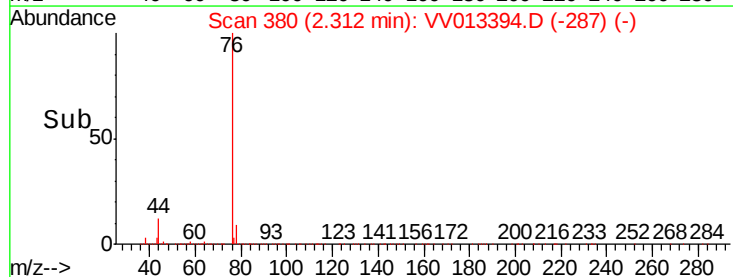
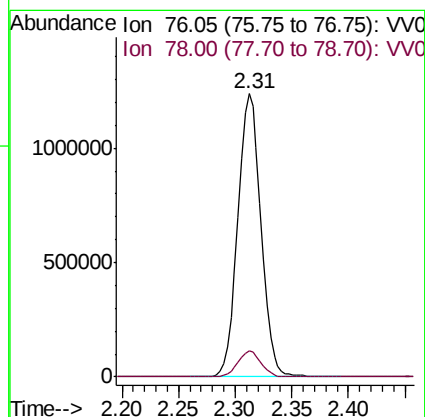
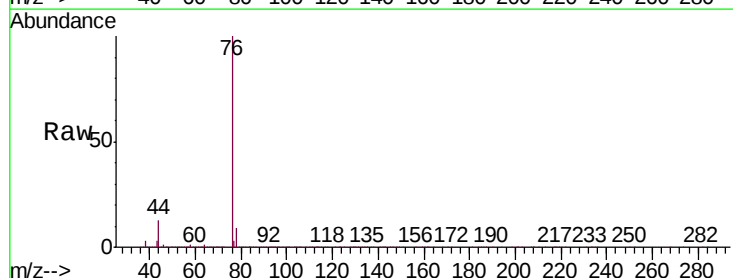
Acq: 29 Oct 2019 12:07

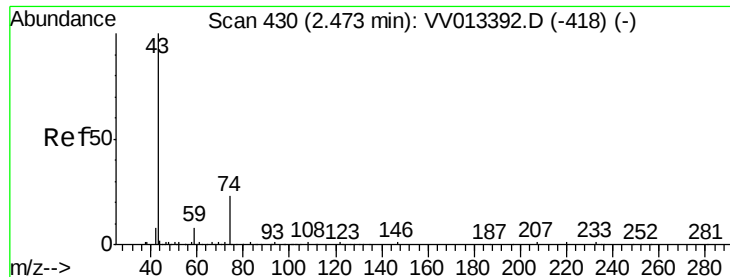
Tgt Ion: 76 Resp: 1762944

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

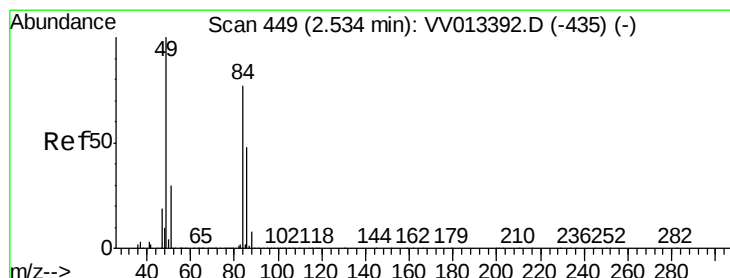
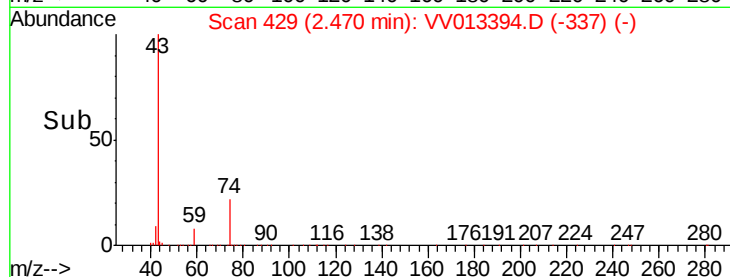
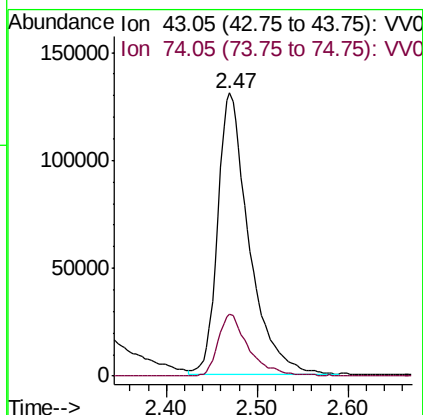
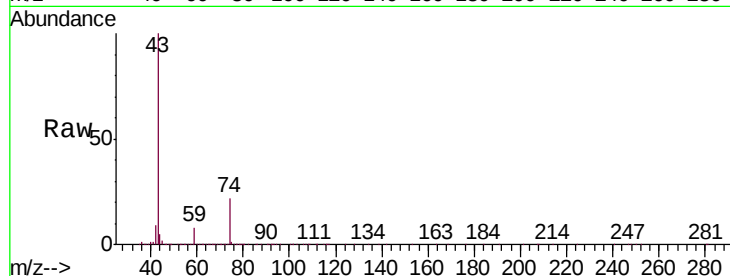




#15
Methyl Acetate
Concen: 27.509 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV013394.D
Acq: 29 Oct 2019 12:07

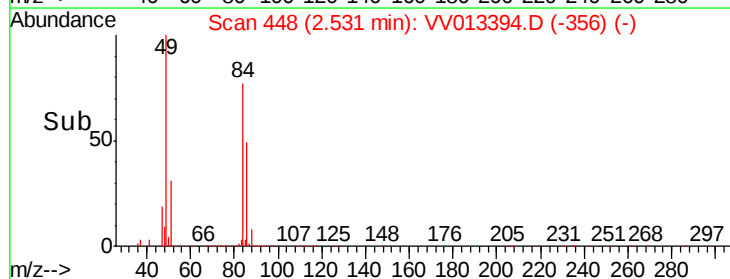
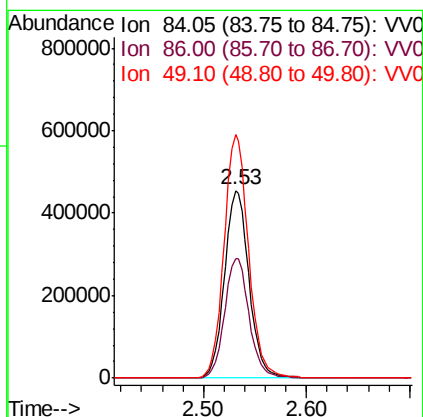
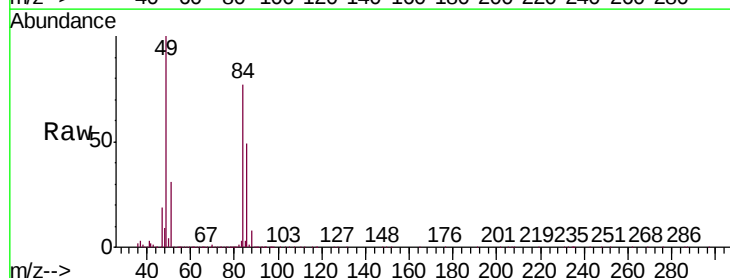
Instrument :
MSVOA_V
ClientSampleId :
VSTD02036

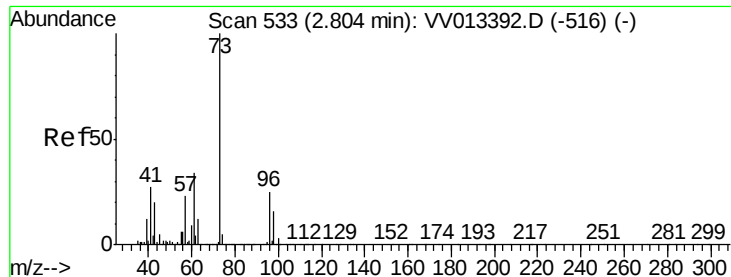
Tgt Ion: 43 Resp: 309758
Ion Ratio Lower Upper
43 100
74 21.7 17.0 25.6



#16
Methylene chloride
Concen: 15.764 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013394.D
Acq: 29 Oct 2019 12:07

Tgt Ion: 84 Resp: 753286
Ion Ratio Lower Upper
84 100
86 64.0 43.8 81.4
49 129.8 90.4 168.0

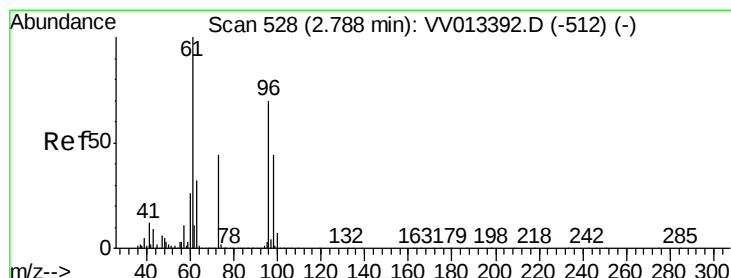
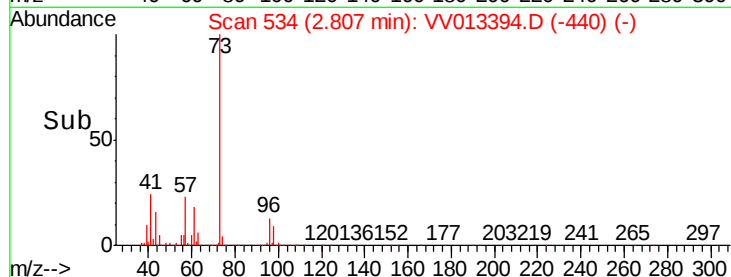
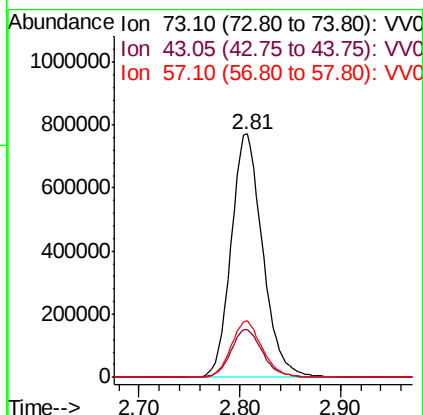
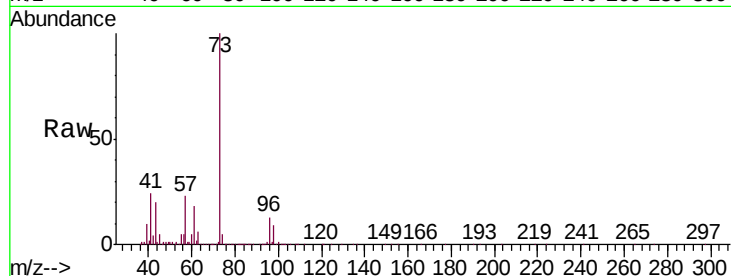




#17
Methyl tert-butyl Ether
Concen: 22.162 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV013394.D
Acq: 29 Oct 2019 12:07

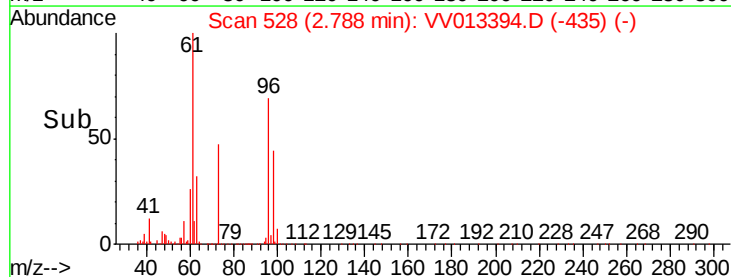
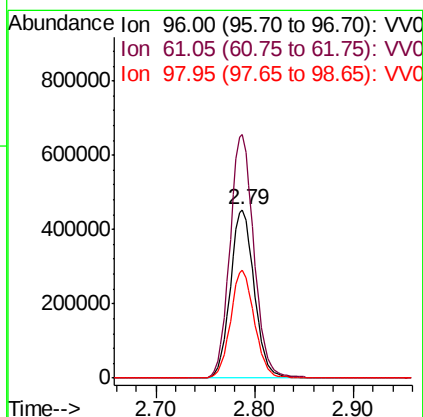
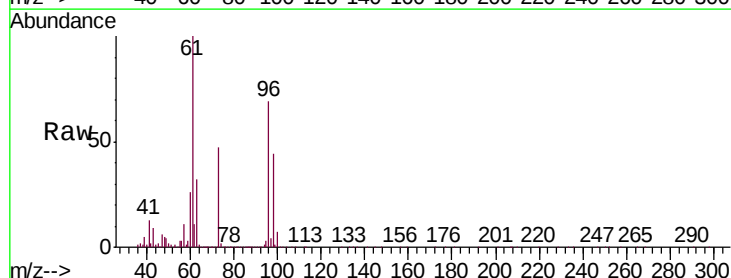
Instrument :
MSVOA_V
ClientSampleId :
VSTD02036

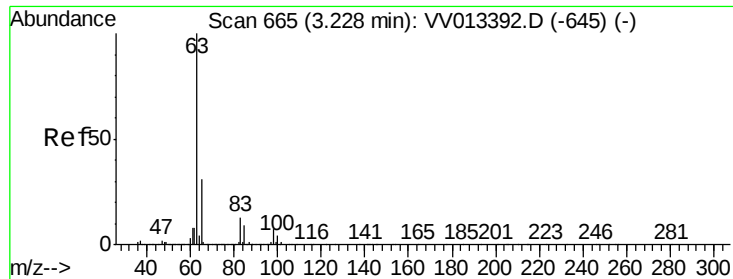
Tgt Ion: 73 Resp: 1671219
Ion Ratio Lower Upper
73 100
43 19.8 16.6 25.0
57 22.9 18.8 28.2



#18
trans-1,2-Dichloroethene
Concen: 20.124 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV013394.D
Acq: 29 Oct 2019 12:07

Tgt Ion: 96 Resp: 769431
Ion Ratio Lower Upper
96 100
61 144.5 100.1 185.9
98 64.0 44.2 82.0

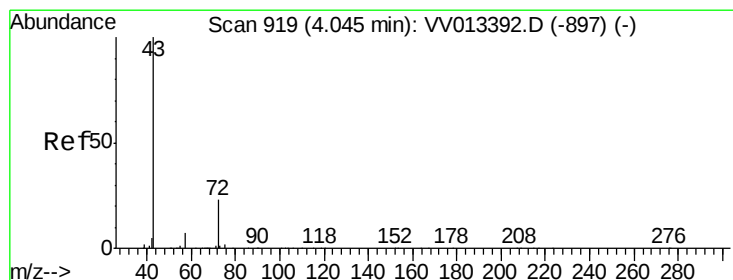
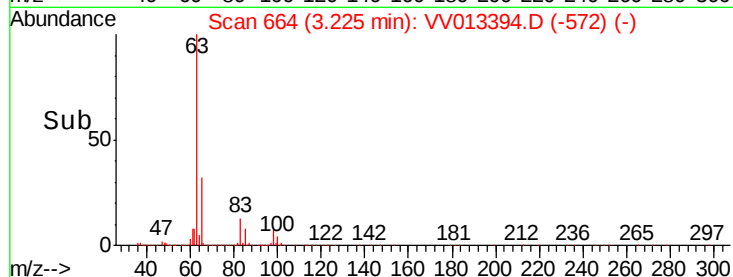
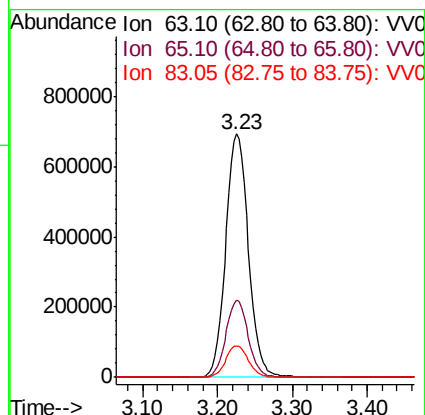
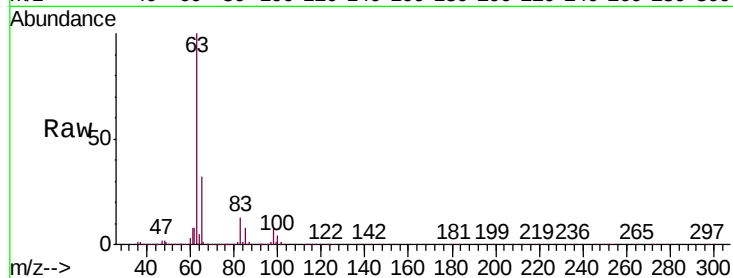




#19
 1,1-Dichloroethane
 Concen: 22.342 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV013394.D
 Acq: 29 Oct 2019 12:07

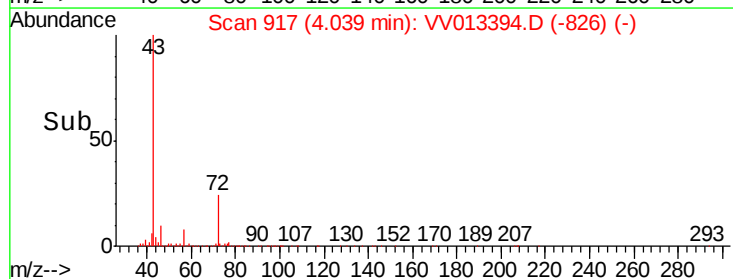
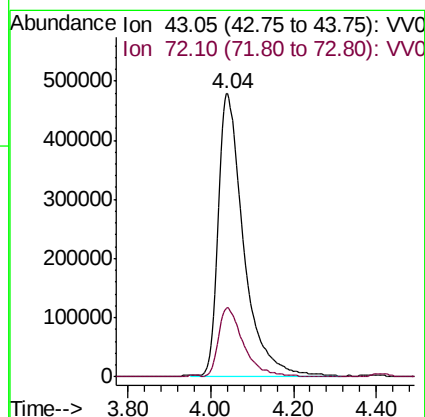
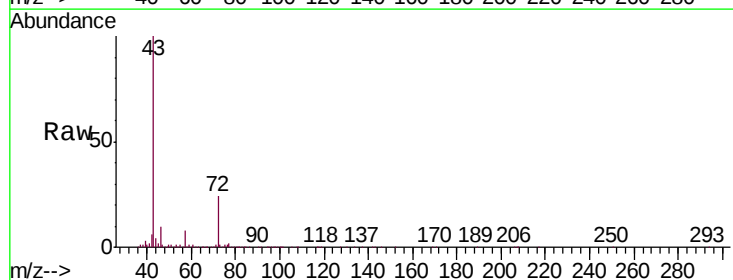
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02036

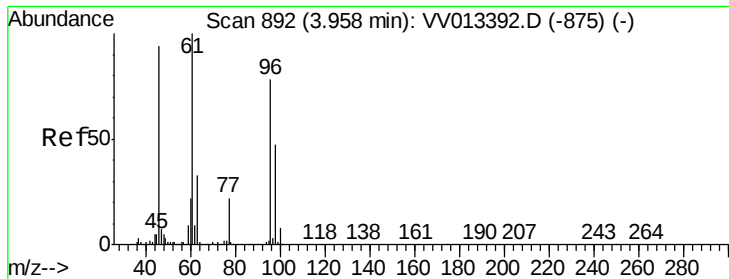
Tgt Ion: 63 Resp: 1447581
 Ion Ratio Lower Upper
 63 100
 65 31.5 21.7 40.3
 83 13.0 8.9 16.5



#21
 2-Butanone
 Concen: 280.336 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VV013394.D
 Acq: 29 Oct 2019 12:07

Tgt Ion: 43 Resp: 2010399
 Ion Ratio Lower Upper
 43 100
 72 23.9 11.3 33.9



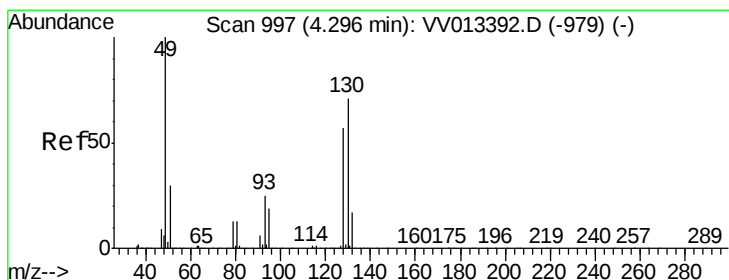
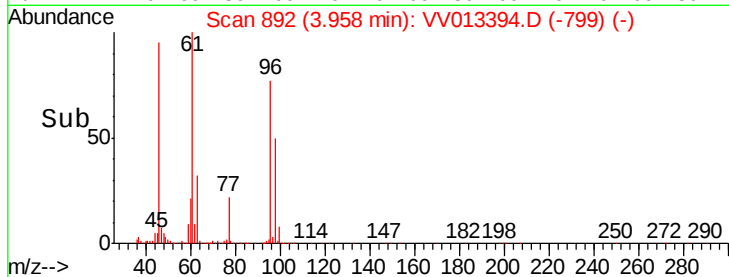
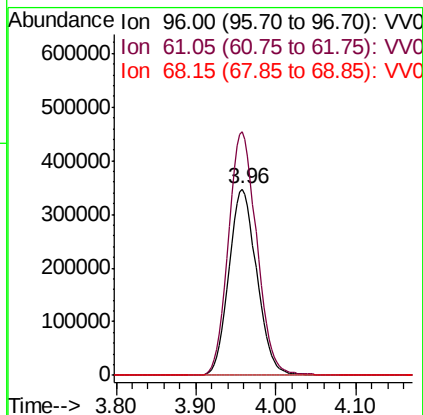
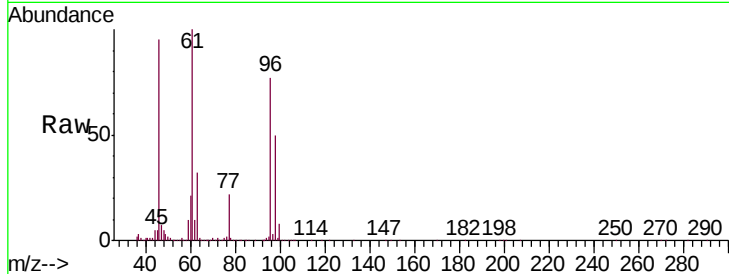


#22

cis-1,2-Dichloroethene
 Concen: 20.291 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV013394.D
 Acq: 29 Oct 2019 12:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02036

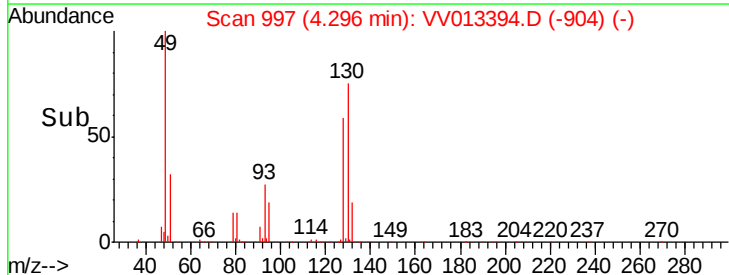
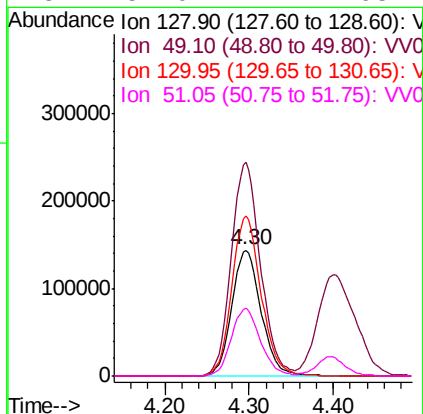
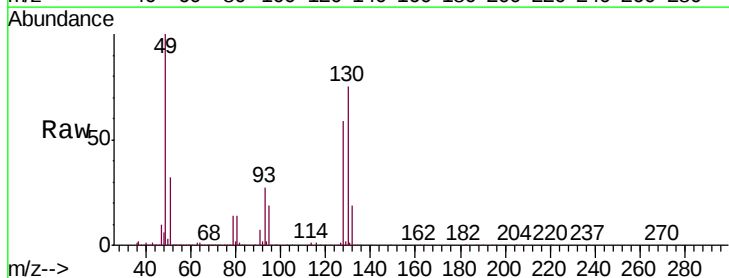
Tgt Ion: 96 Resp: 826968
 Ion Ratio Lower Upper
 96 100
 61 130.5 89.9 167.0
 68 0.0 0.1 0.3#

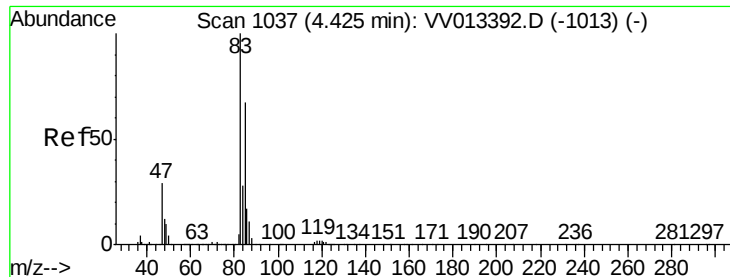


#23

Bromochloromethane
 Concen: 18.720 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV013394.D
 Acq: 29 Oct 2019 12:07

Tgt Ion: 128 Resp: 347166
 Ion Ratio Lower Upper
 128 100
 49 169.6 123.6 229.6
 130 126.9 88.3 164.1
 51 54.0 42.2 63.2

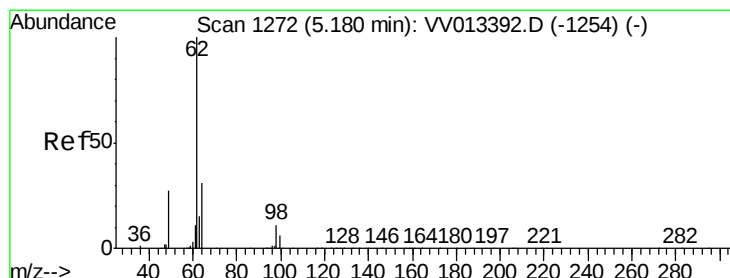
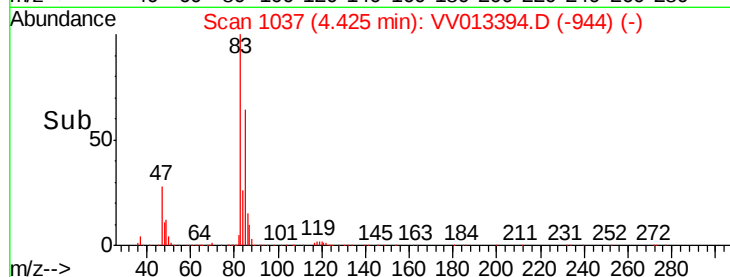
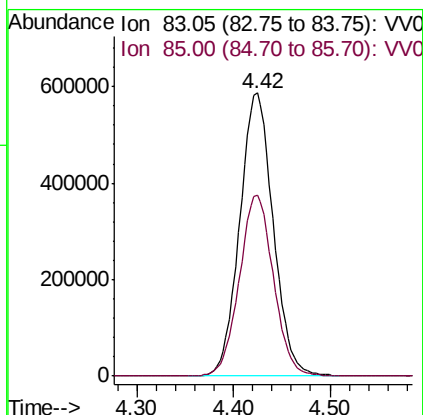
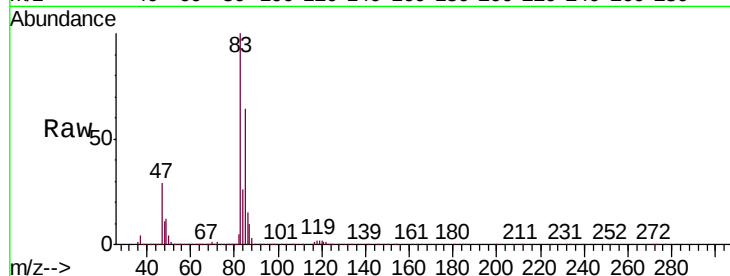




#25
Chloroform
Concen: 17.925 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013394.D
Acq: 29 Oct 2019 12:07

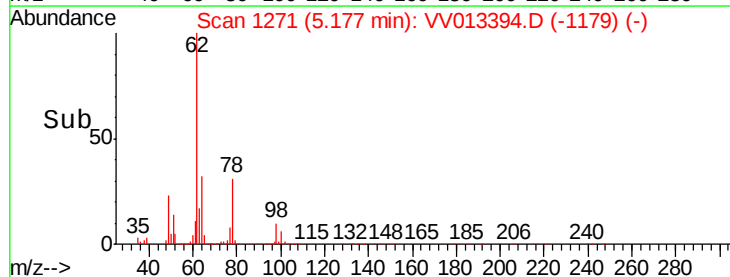
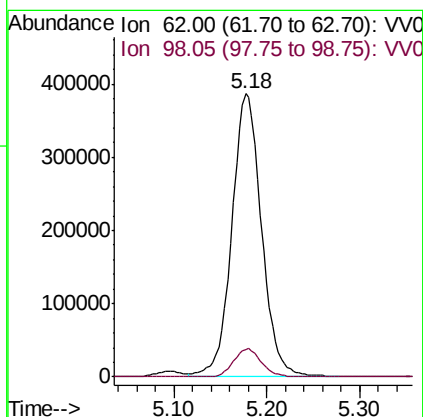
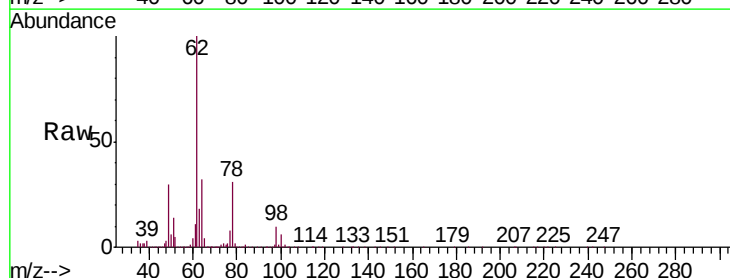
Instrument :
MSVOA_V
ClientSampleId :
VSTD02036

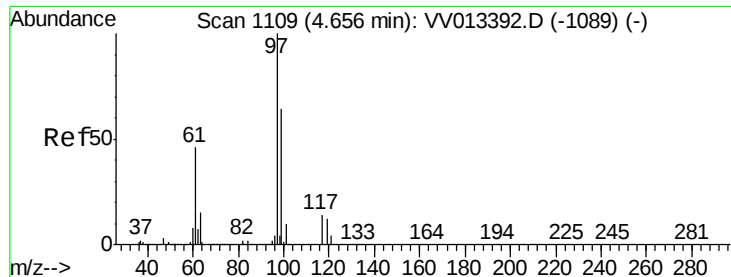
Tgt Ion: 83 Resp: 1411222
Ion Ratio Lower Upper
83 100
85 63.8 46.5 86.5



#27
1,2-Dichloroethane
Concen: 20.271 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV013394.D
Acq: 29 Oct 2019 12:07

Tgt Ion: 62 Resp: 854279
Ion Ratio Lower Upper
62 100
98 9.9 8.6 12.8

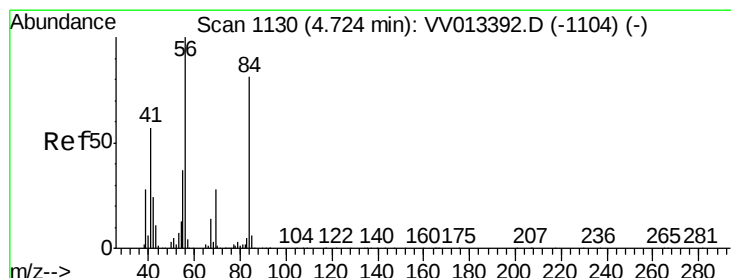
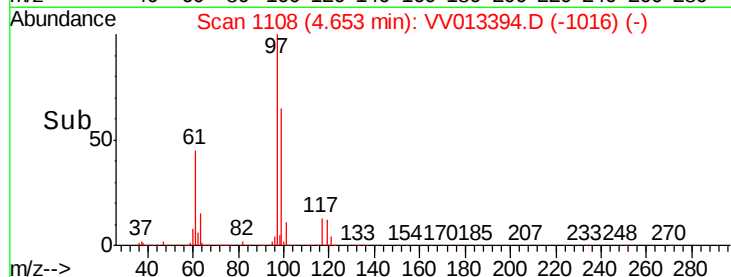
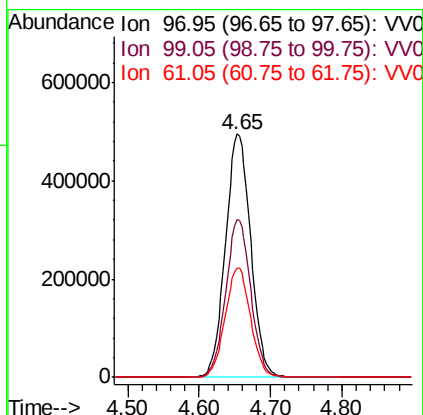
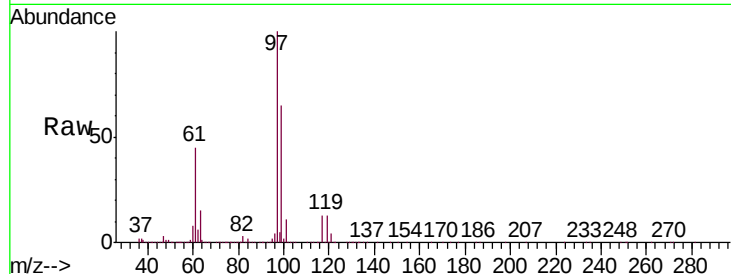




#29
 1,1,1-Trichloroethane
 Concen: 20.192 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV013394.D
 Acq: 29 Oct 2019 12:07

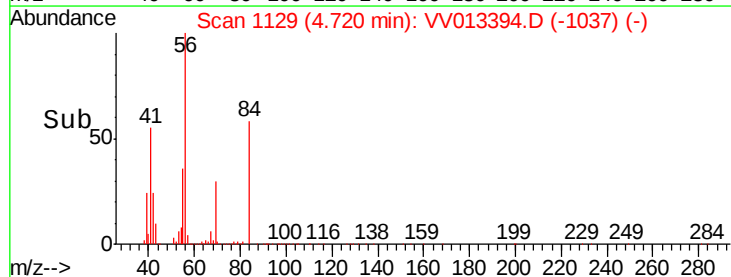
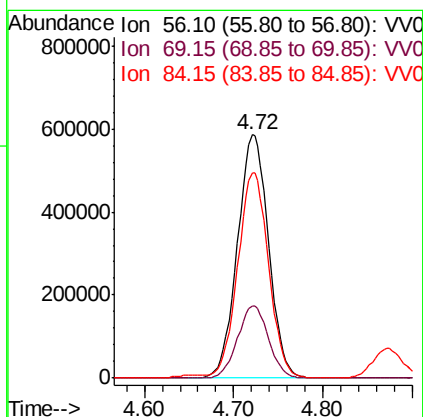
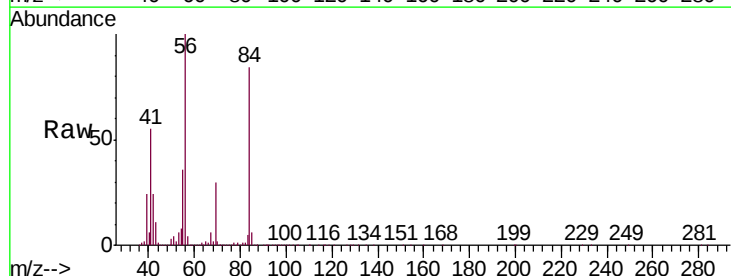
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02036

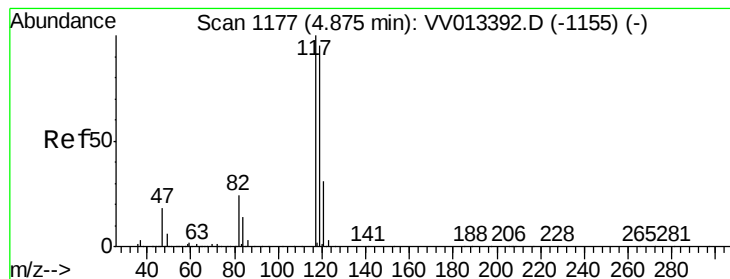
Tgt Ion: 97 Resp: 1218475
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.3 76.9
 61 45.3 36.8 55.2



#30
 Cyclohexane
 Concen: 22.441 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VV013394.D
 Acq: 29 Oct 2019 12:07

Tgt Ion: 56 Resp: 1419265
 Ion Ratio Lower Upper
 56 100
 69 29.5 22.7 34.1
 84 83.9 65.5 98.3





#31

Carbon tetrachloride

Concen: 20.586 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV013394.D

Acq: 29 Oct 2019 12:07

Instrument :

MSVOA_V

ClientSampleId :

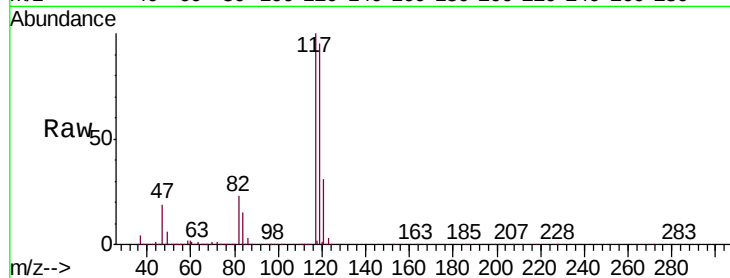
VSTD02036

Tgt Ion:117 Resp: 1117439

Ion Ratio Lower Upper

117 100

119 96.2 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

500000

400000

300000

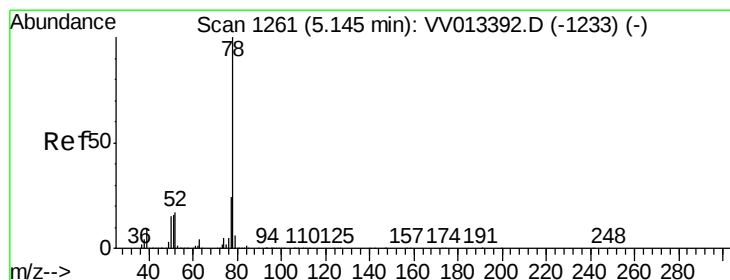
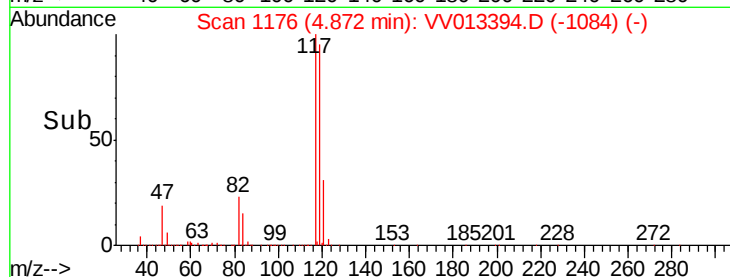
200000

100000

0

Time-->

4.70 4.80 4.90 5.00



#33

Benzene

Concen: 20.444 ug/L

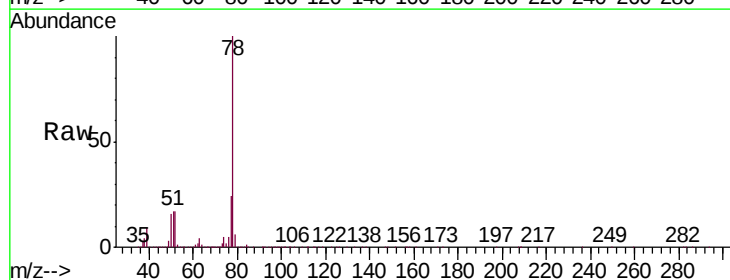
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV013394.D

Acq: 29 Oct 2019 12:07

Tgt Ion: 78 Resp: 3181161



Abundance Ion 78.10 (77.80 to 78.80): VV0

1500000

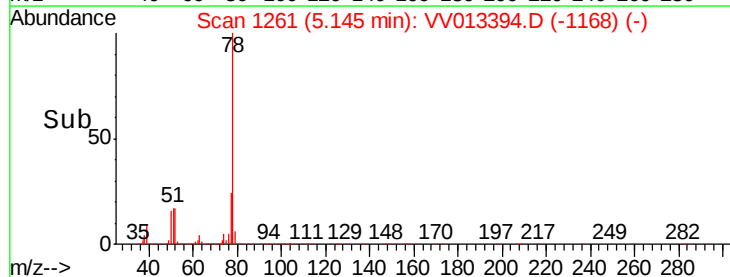
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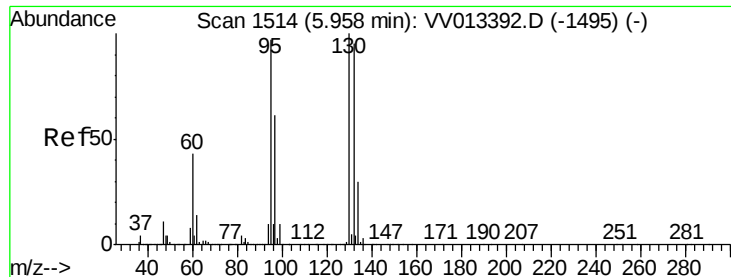
500000

0

Time-->

5.00 5.10 5.20 5.30





#34

Trichloroethene

Concen: 19.937 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV013394.D

Acq: 29 Oct 2019 12:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD02036

Tgt Ion: 95 Resp: 834120

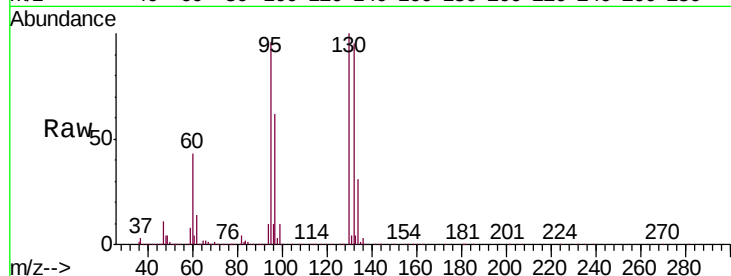
Ion Ratio Lower Upper

95 100

97 64.6 43.9 81.5

132 98.8 68.7 127.7

130 103.9 72.1 133.9

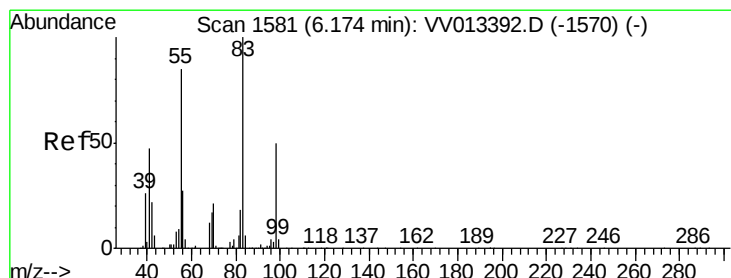
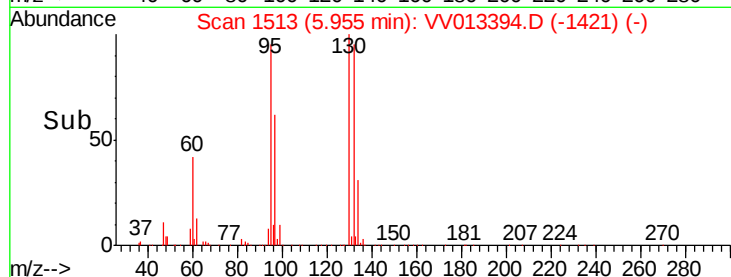
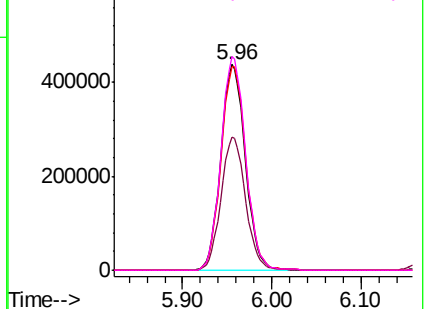


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 22.106 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV013394.D

Acq: 29 Oct 2019 12:07

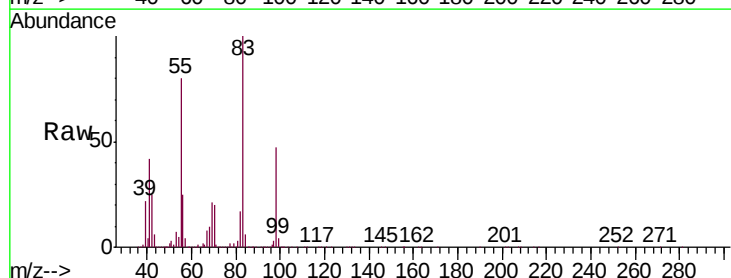
Tgt Ion: 83 Resp: 1425716

Ion Ratio Lower Upper

83 100

55 80.1 66.0 99.0

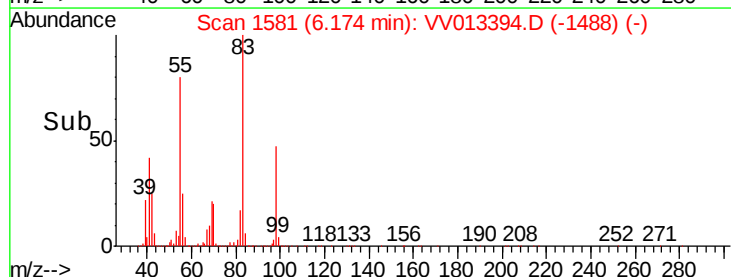
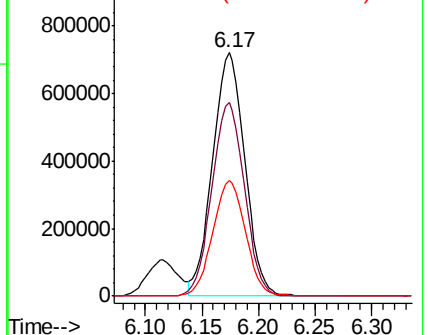
98 48.2 38.2 57.4

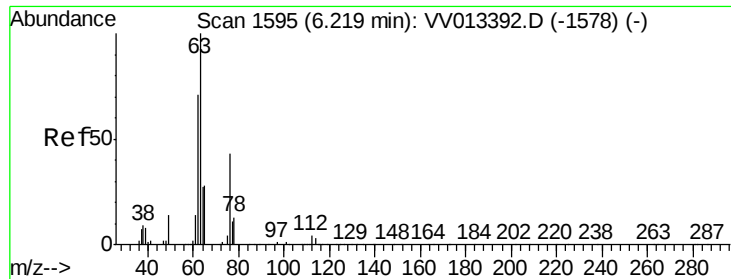


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 20.911 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV013394.D

Acq: 29 Oct 2019 12:07

Instrument :

MSVOA_V

ClientSampleId :

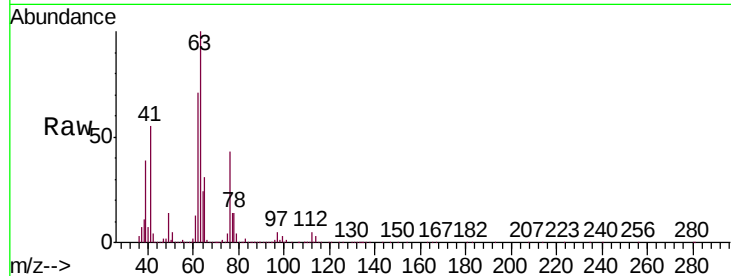
VSTD02036

Tgt Ion: 63 Resp: 794542

Ion Ratio Lower Upper

63 100

112 4.4 3.6 5.4



Abundance Ion 63.10 (62.80 to 63.80): VV013394.D (-1502) (-)

Ion 112.10 (111.80 to 112.80): VV013394.D (-1502) (-)

6.22

400000

300000

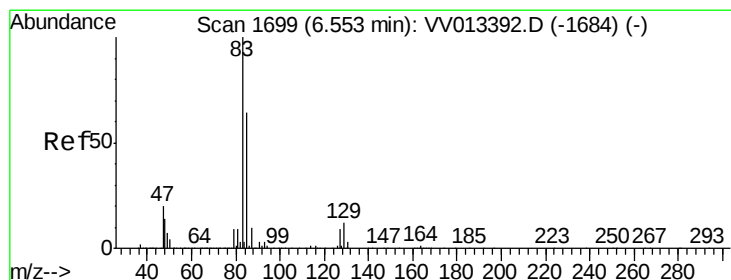
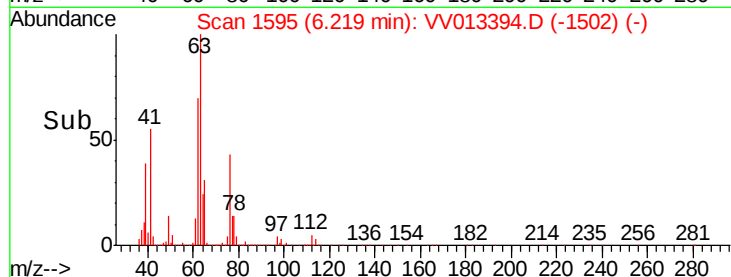
200000

100000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 20.271 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV013394.D

Acq: 29 Oct 2019 12:07

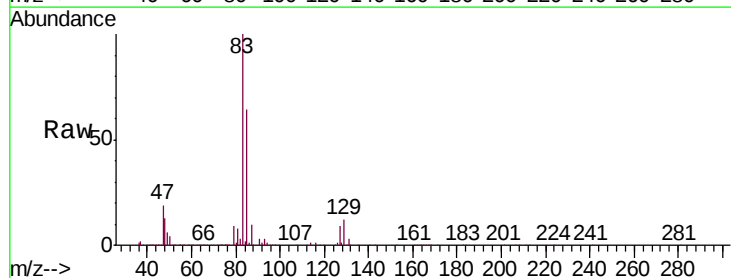
Tgt Ion: 83 Resp: 988722

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7

127 8.7 7.4 11.2



Abundance Ion 82.95 (82.65 to 83.65): VV013394.D (-1606) (-)

Ion 85.00 (84.70 to 85.70): VV013394.D (-1606) (-)

Ion 126.90 (126.60 to 127.60): VV013394.D (-1606) (-)

6.55

600000

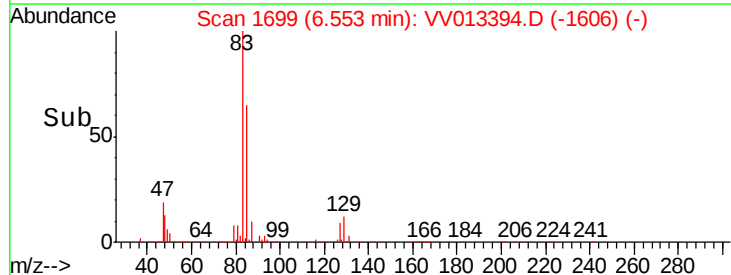
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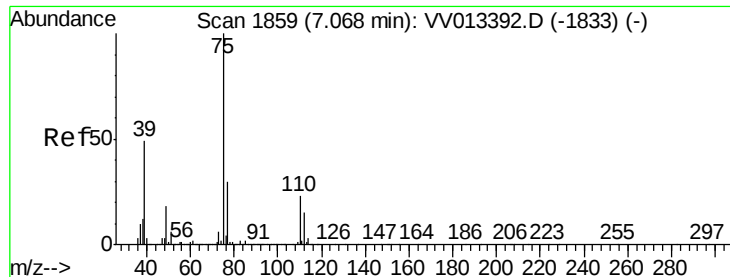
200000

0

6.50 6.60

Time-->

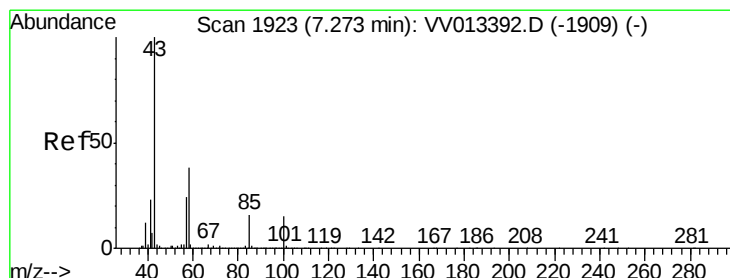
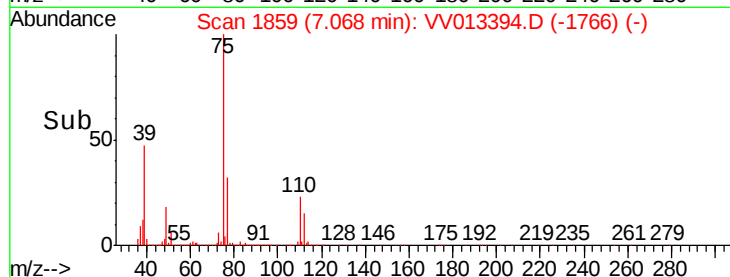
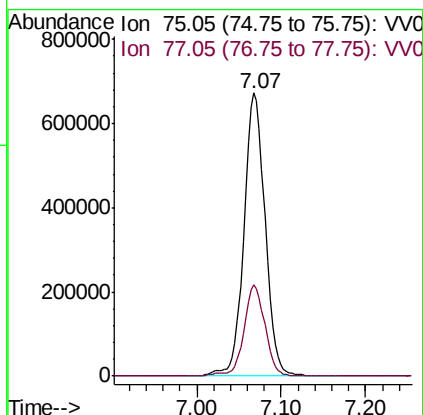
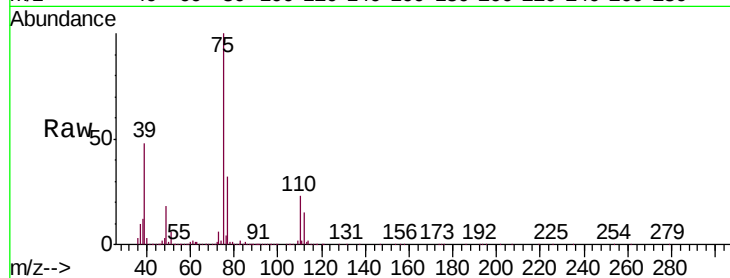




#39
 cis-1,3-Dichloropropene
 Concen: 22.129 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV013394.D
 Acq: 29 Oct 2019 12:07

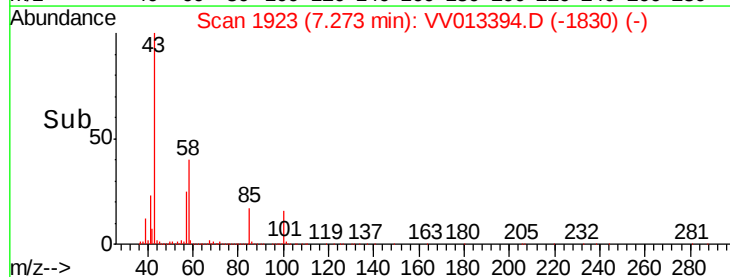
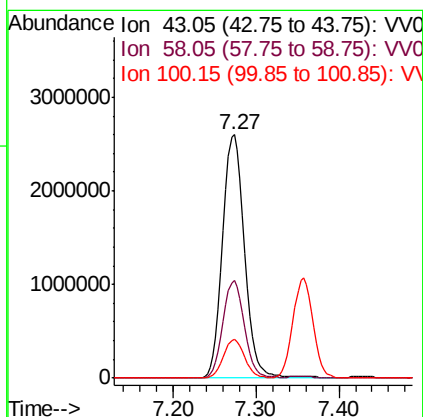
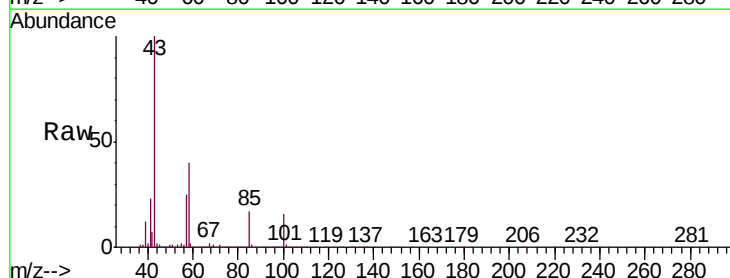
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02036

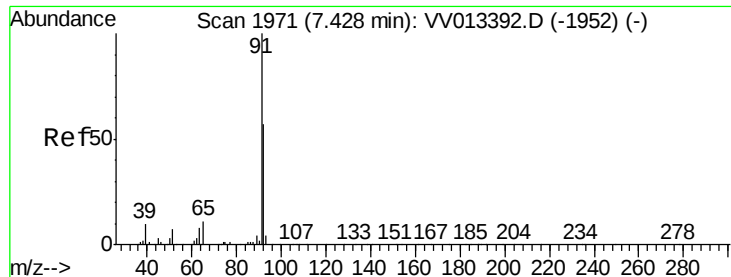
Tgt Ion: 75 Resp: 1184943
 Ion Ratio Lower Upper
 75 100
 77 32.2 21.1 39.3



#40
 4-Methyl-2-pentanone
 Concen: 240.384 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV013394.D
 Acq: 29 Oct 2019 12:07

Tgt Ion: 43 Resp: 4785611
 Ion Ratio Lower Upper
 43 100
 58 39.1 29.8 44.8
 100 15.2 11.6 17.4





#42

Toluene

Concen: 20.635 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013394.D

Acq: 29 Oct 2019 12:07

Instrument :

MSVOA_V

ClientSampleId :

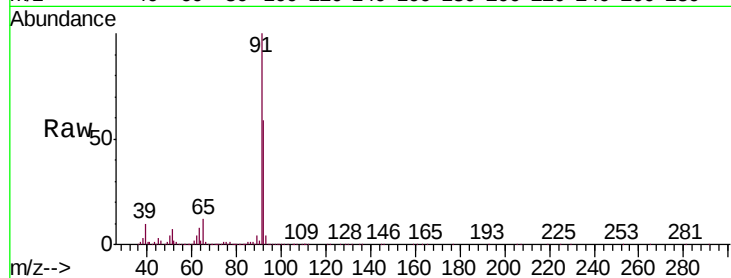
VSTD02036

Tgt Ion: 91 Resp: 3362943

Ion Ratio Lower Upper

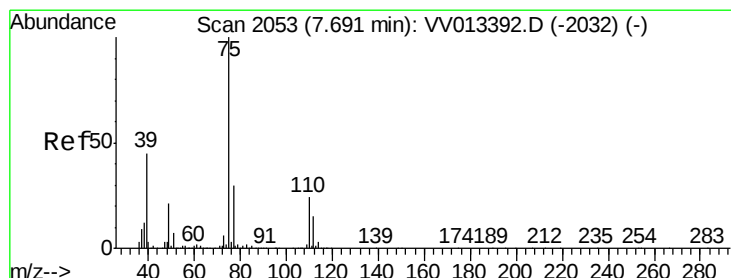
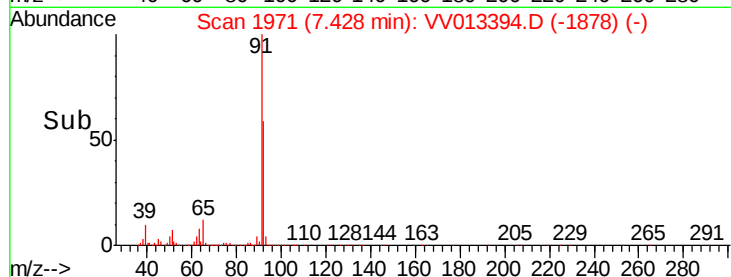
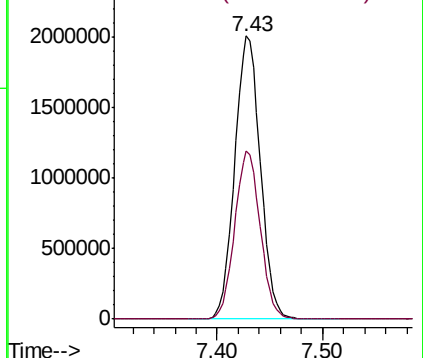
91 100

92 59.3 40.3 74.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 22.026 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013394.D

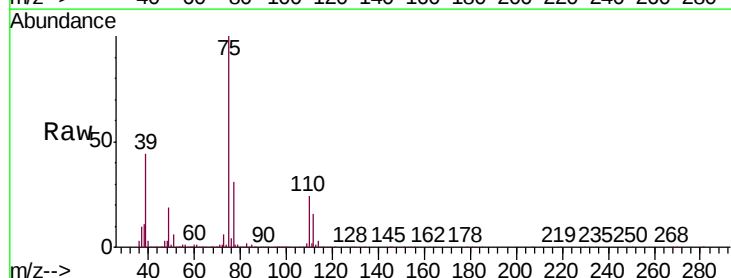
Acq: 29 Oct 2019 12:07

Tgt Ion: 75 Resp: 897941

Ion Ratio Lower Upper

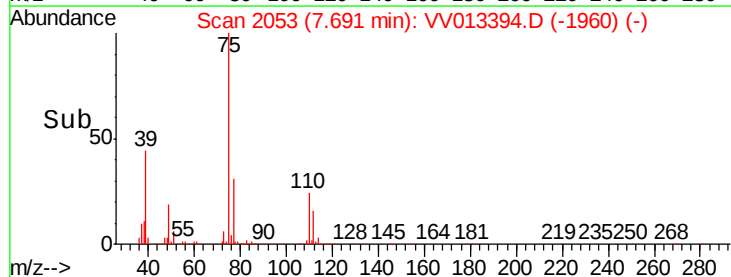
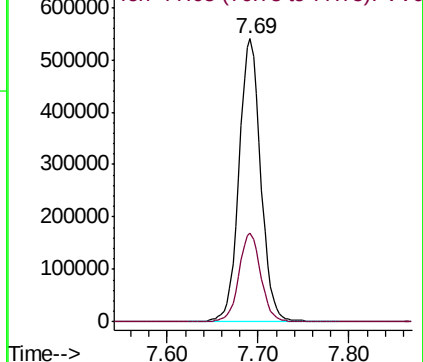
75 100

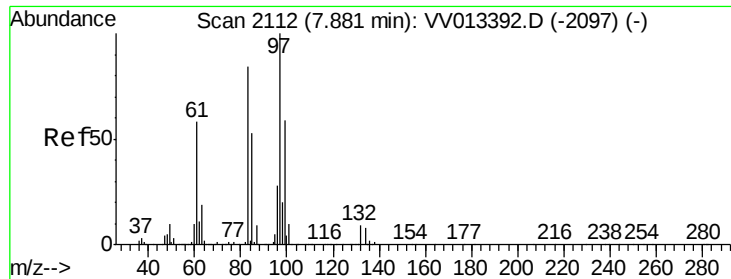
77 31.3 21.5 39.9



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

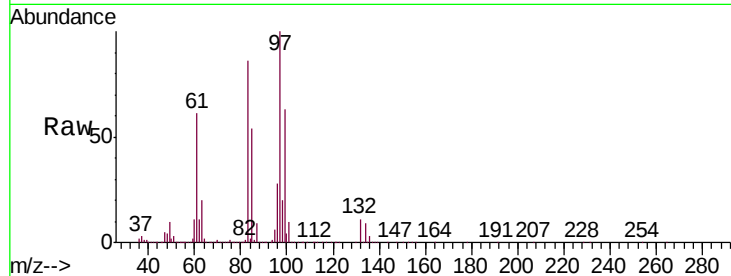




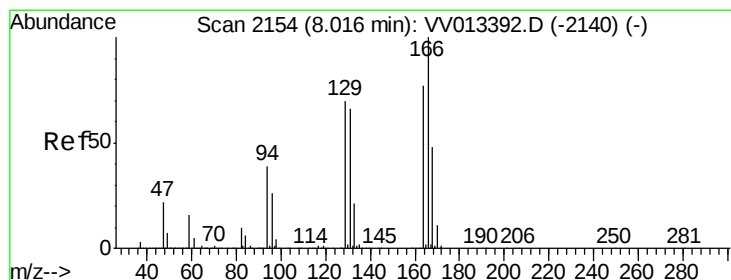
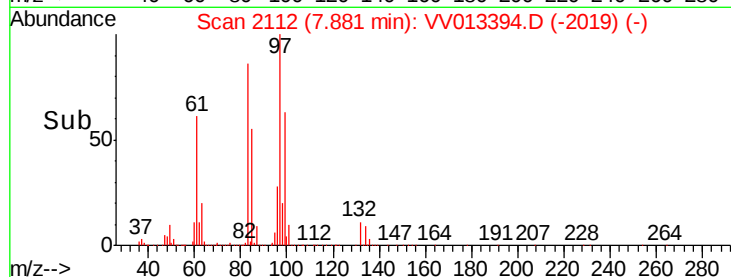
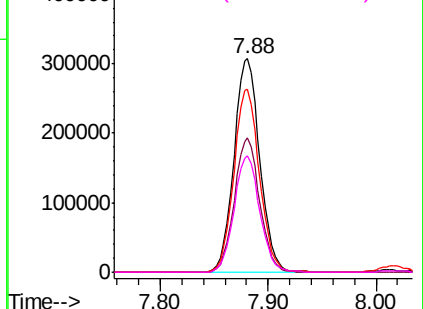
#45
 1,1,2-Trichloroethane
 Concen: 19.515 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV013394.D
 Acq: 29 Oct 2019 12:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02036

Tgt Ion:	97	Resp:	511721
Ion	Ratio	Lower	Upper
97	100		
99	62.9	41.6	77.3
83	85.6	58.7	109.1
85	54.5	37.5	69.7

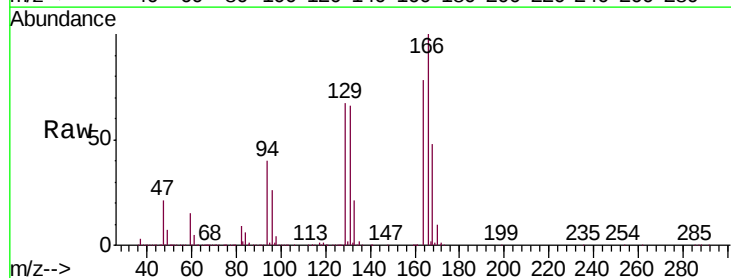


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

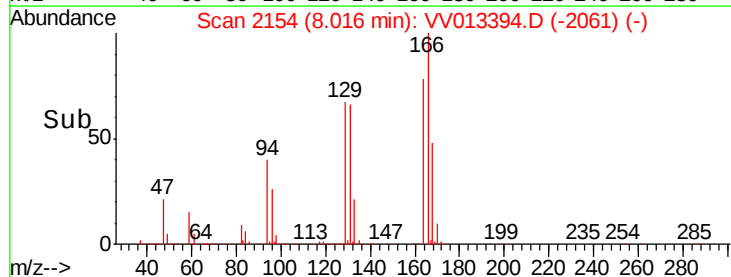
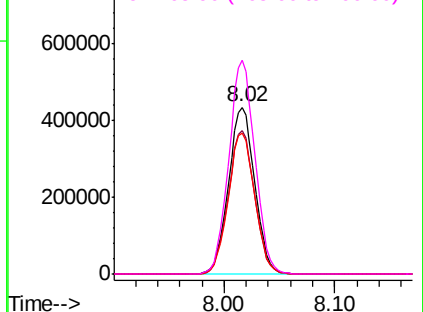


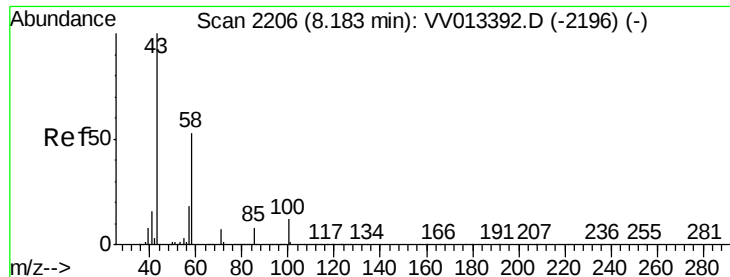
#47
 Tetrachloroethene
 Concen: 19.183 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013394.D
 Acq: 29 Oct 2019 12:07

Tgt Ion:	164	Resp:	717150
Ion	Ratio	Lower	Upper
164	100		
129	86.4	63.4	117.8
131	84.5	60.3	112.1
166	128.1	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



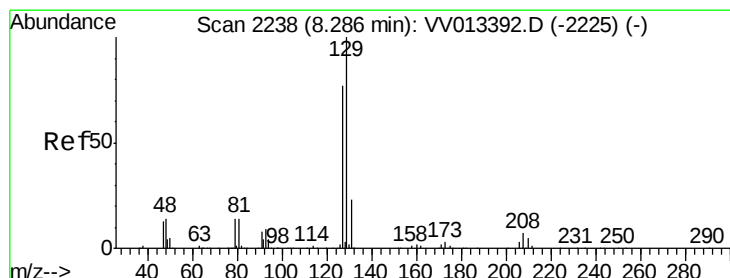
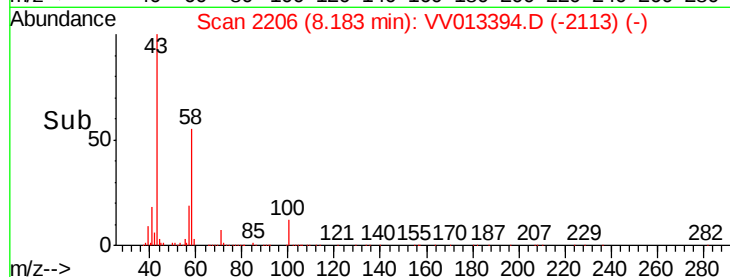
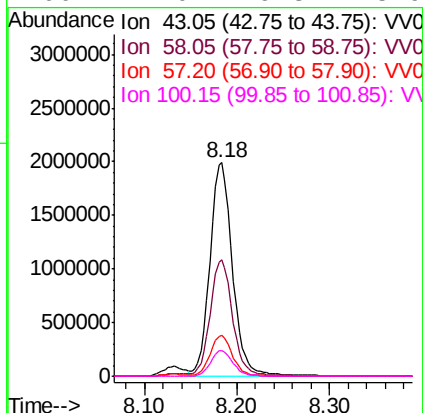
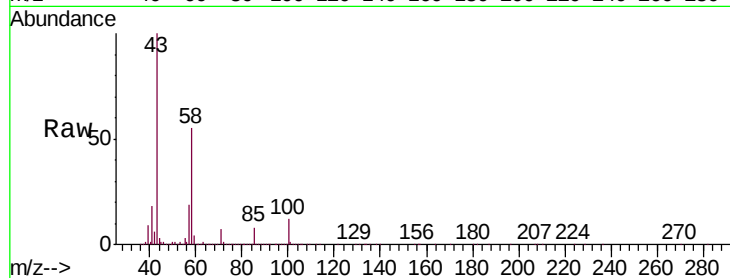


#48
2-Hexanone
Concen: 235.905 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013394.D
Acq: 29 Oct 2019 12:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD02036

Tgt Ion: 43 Resp: 3346747

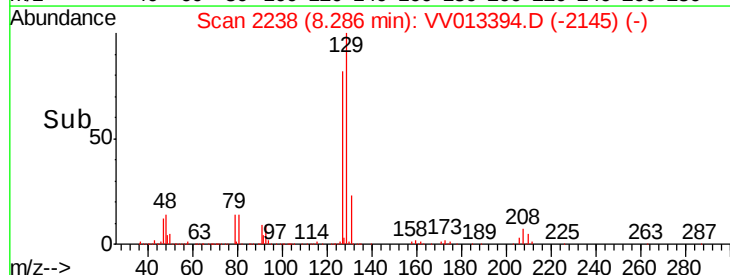
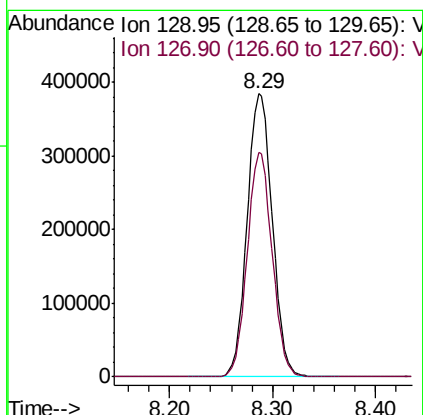
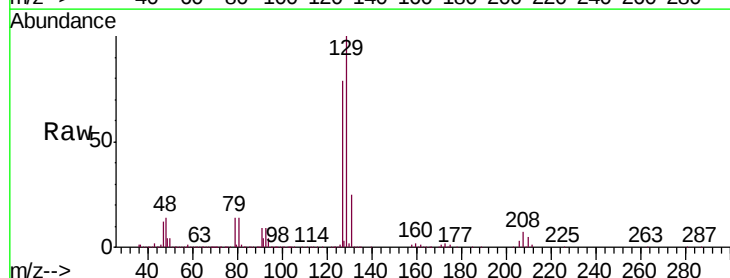
Ion	Ratio	Lower	Upper
43	100		
58	55.1	43.5	65.3
57	18.9	14.3	21.5
100	12.0	9.3	13.9

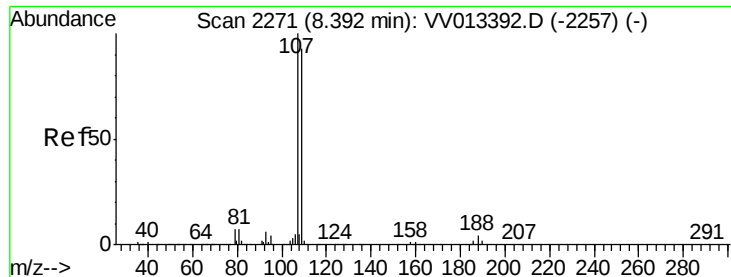


#49
Dibromochloromethane
Concen: 19.700 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013394.D
Acq: 29 Oct 2019 12:07

Tgt Ion: 129 Resp: 650436

Ion	Ratio	Lower	Upper
129	100		
127	79.5	53.8	100.0

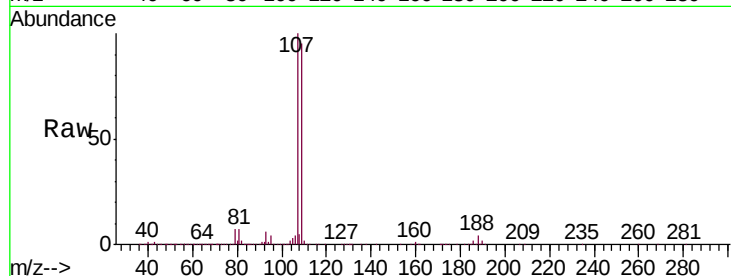




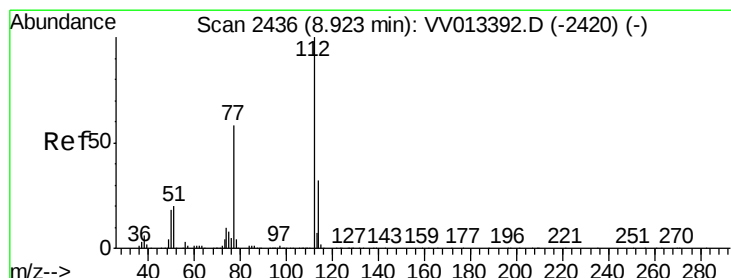
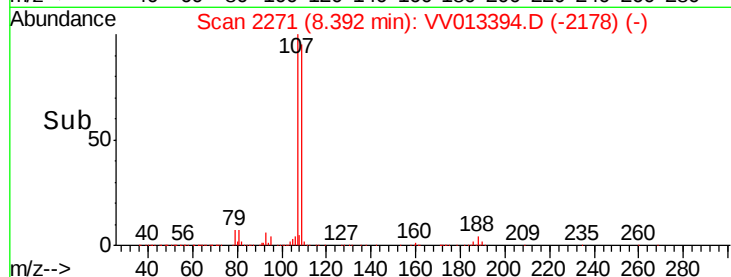
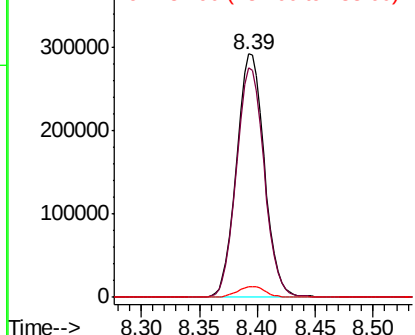
#50
1,2-Dibromoethane
Concen: 19.422 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV013394.D
Acq: 29 Oct 2019 12:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD02036

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.5	65.1	120.9
188	4.5	3.5	5.3

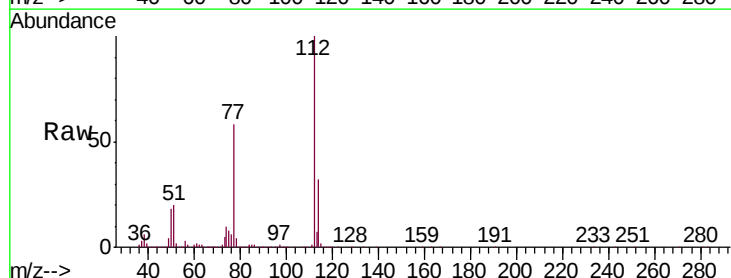


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

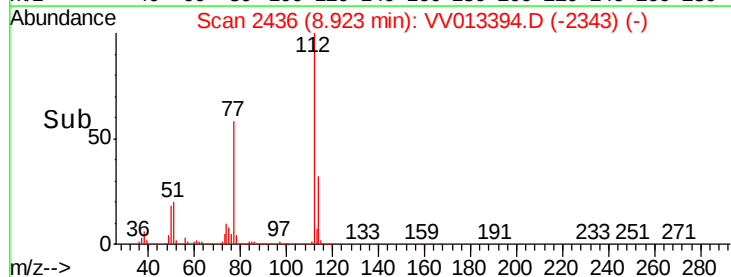
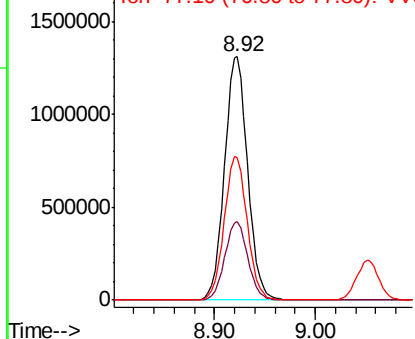


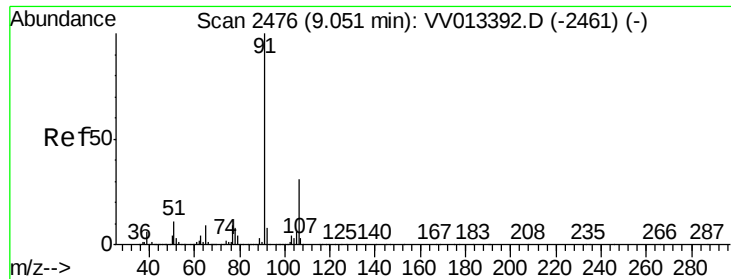
#51
Chlorobenzene
Concen: 19.717 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV013394.D
Acq: 29 Oct 2019 12:07

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	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): V





#52

Ethylbenzene

Concen: 21.768 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013394.D

Acq: 29 Oct 2019 12:07

Instrument :

MSVOA_V

ClientSampleId :

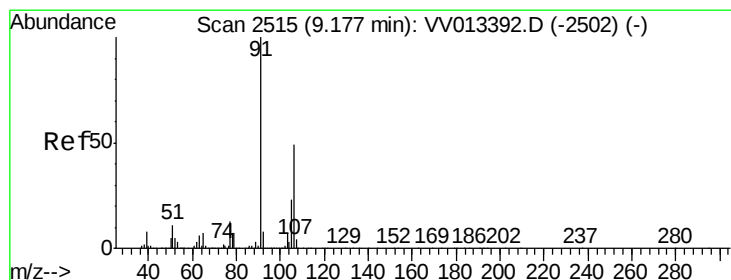
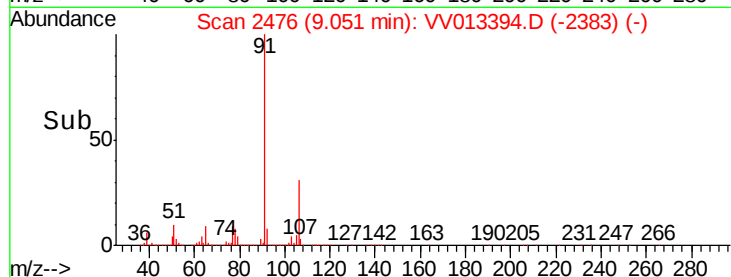
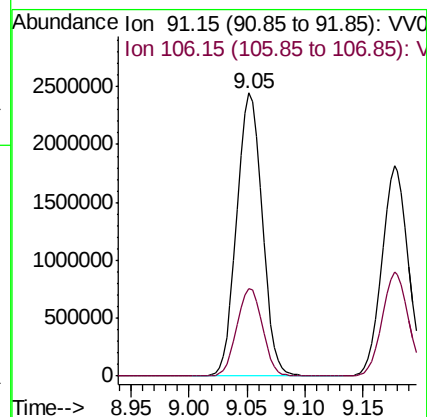
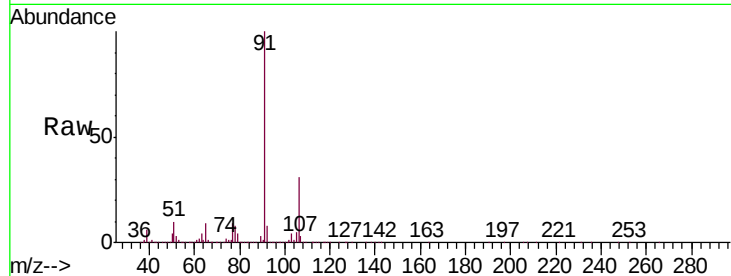
VSTD02036

Tgt Ion: 91 Resp: 3727439

Ion Ratio Lower Upper

91 100

106 31.1 21.5 39.9



#53

m,p-xylene

Concen: 22.032 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013394.D

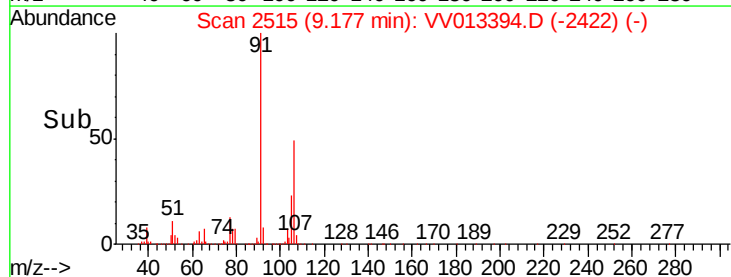
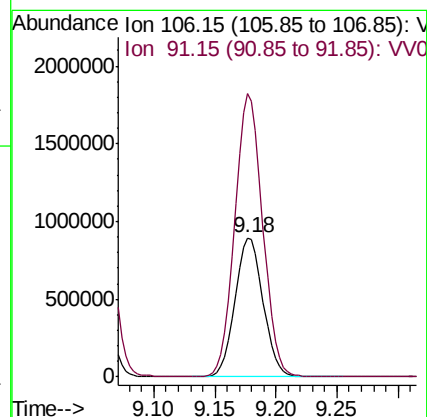
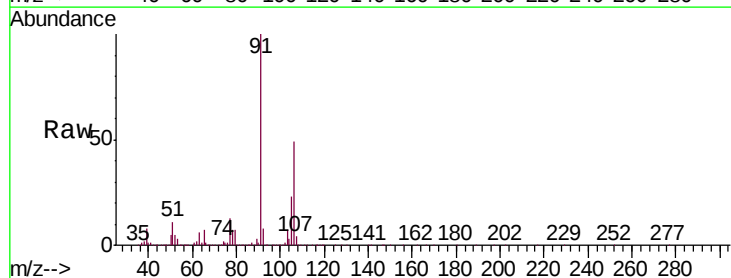
Acq: 29 Oct 2019 12:07

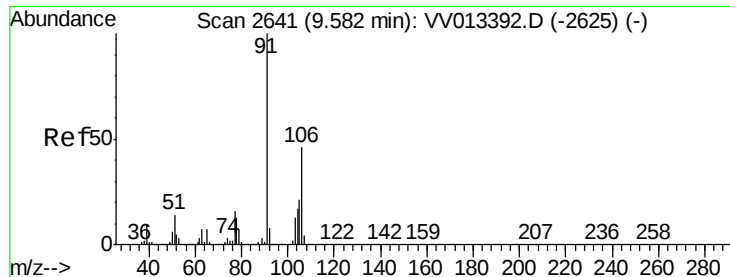
Tgt Ion: 106 Resp: 1430628

Ion Ratio Lower Upper

106 100

91 203.1 144.3 267.9





#54

o-xylene

Concen: 22.226 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013394.D

Acq: 29 Oct 2019 12:07

Instrument :

MSVOA_V

ClientSampleId :

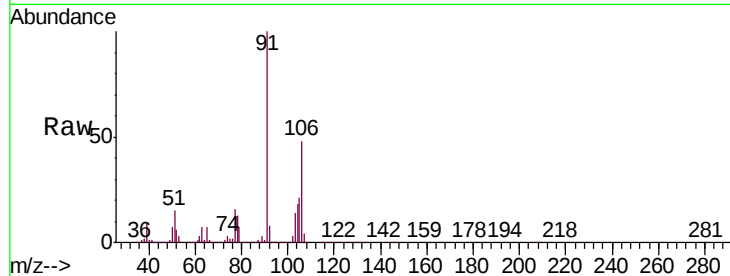
VSTD02036

Tgt Ion:106 Resp: 1377565

Ion Ratio Lower Upper

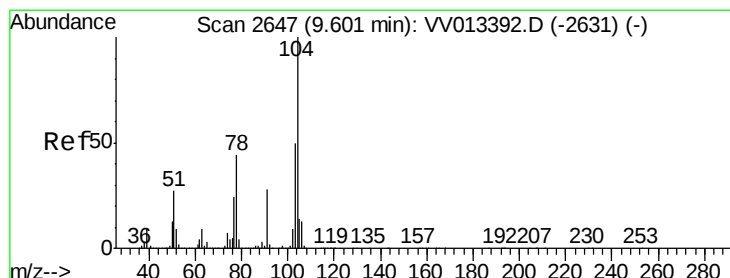
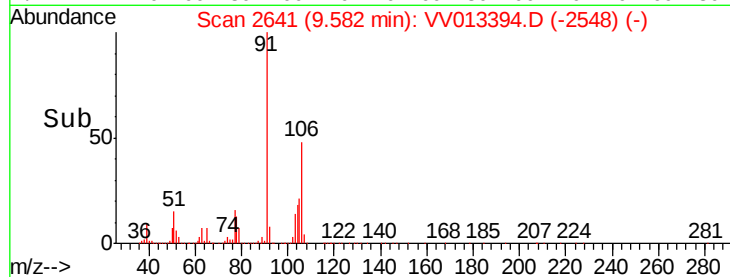
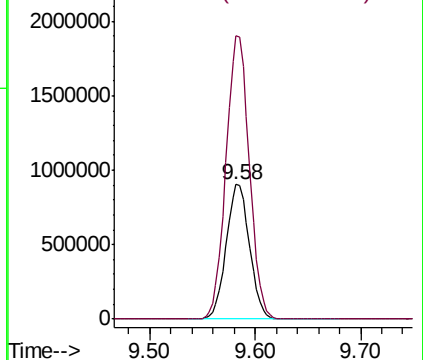
106 100

91 210.3 151.5 281.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 22.305 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013394.D

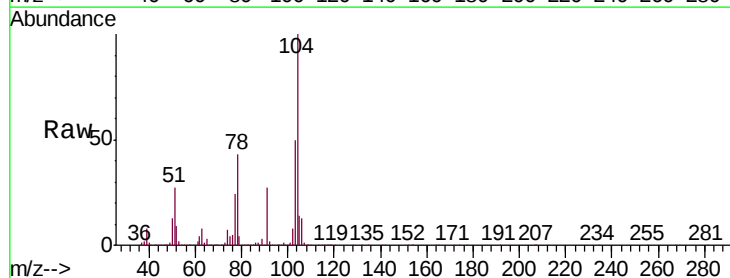
Acq: 29 Oct 2019 12:07

Tgt Ion:104 Resp: 2349506

Ion Ratio Lower Upper

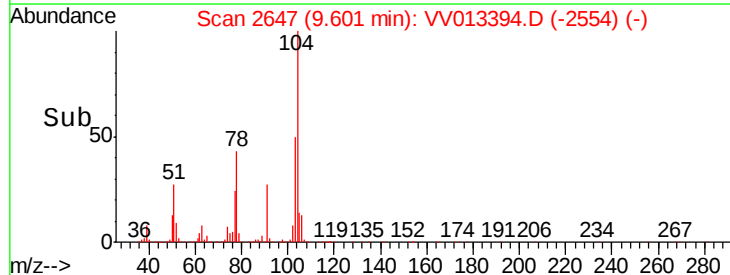
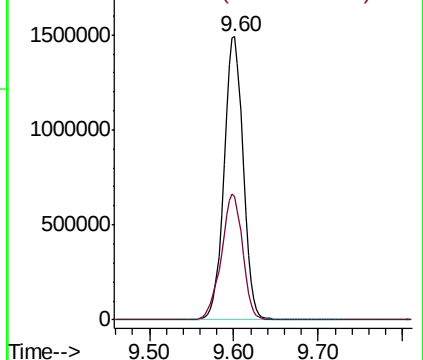
104 100

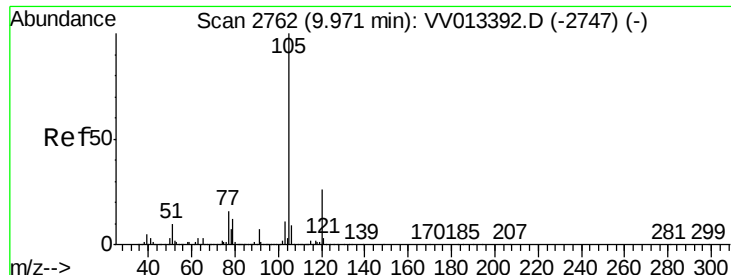
78 43.4 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 22.426 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013394.D

Acq: 29 Oct 2019 12:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD02036

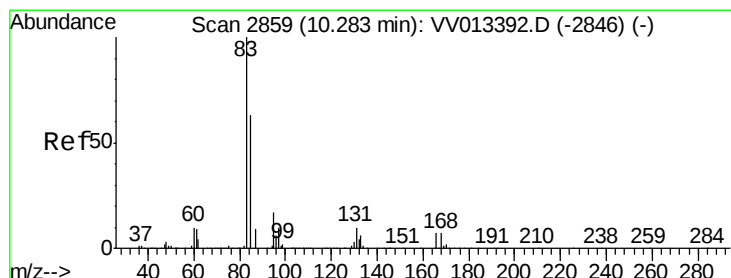
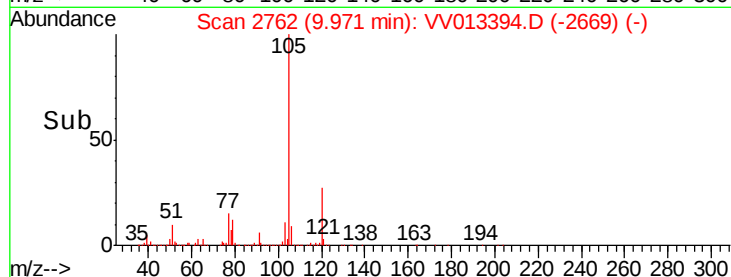
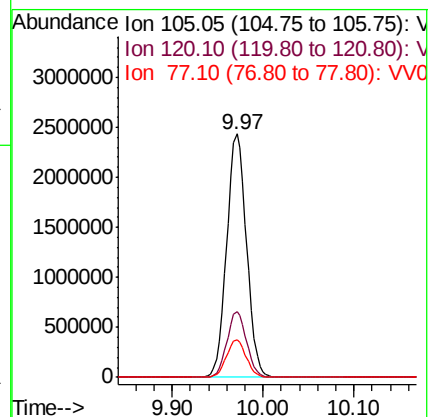
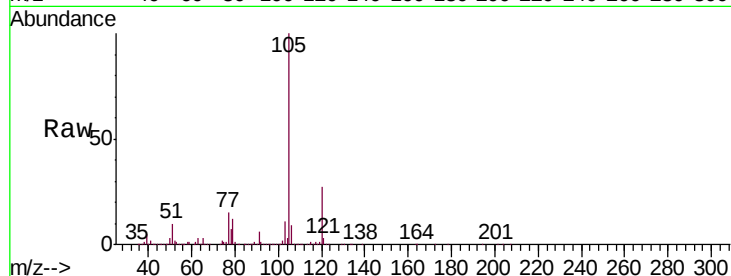
Tgt Ion: 105 Resp: 3676502

Ion Ratio Lower Upper

105 100

120 26.7 21.0 31.6

77 15.4 12.9 19.3



#58

1,1,2,2-Tetrachloroethane

Concen: 18.983 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013394.D

Acq: 29 Oct 2019 12:07

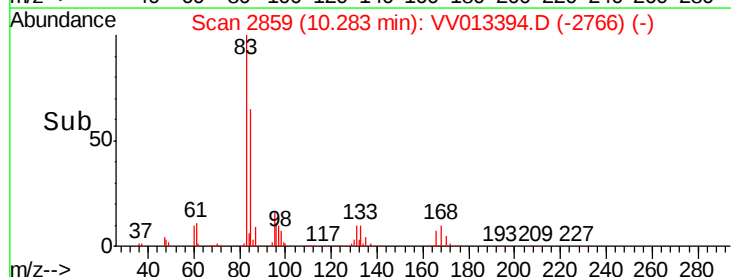
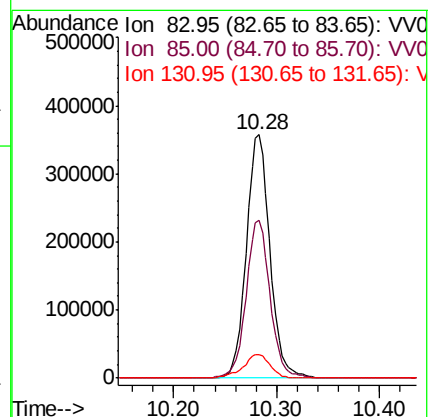
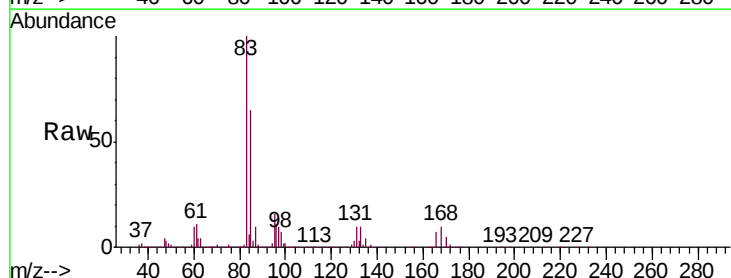
Tgt Ion: 83 Resp: 566481

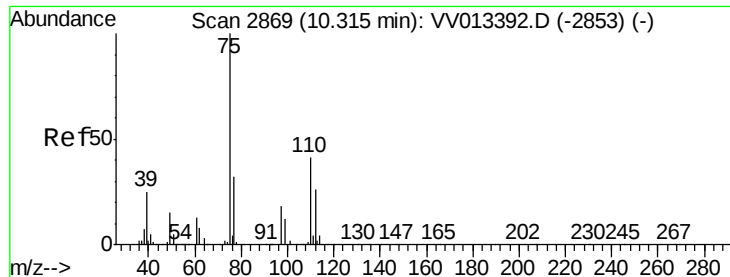
Ion Ratio Lower Upper

83 100

85 64.9 44.5 82.7

131 9.8 8.2 12.2





#59

1,2,3-Trichloropropane

Concen: 19.548 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013394.D

Acq: 29 Oct 2019 12:07

Instrument :

MSVOA_V

ClientSampleId :

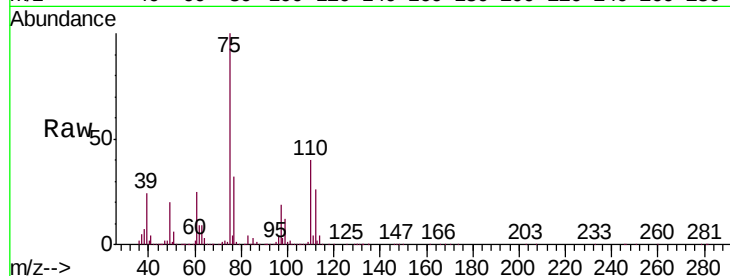
VSTD02036

Tgt Ion: 75 Resp: 440505

Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

10.32

250000

200000

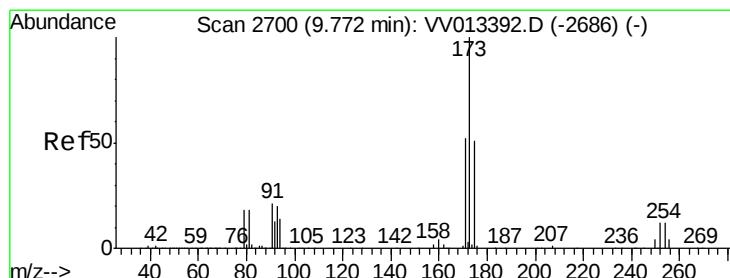
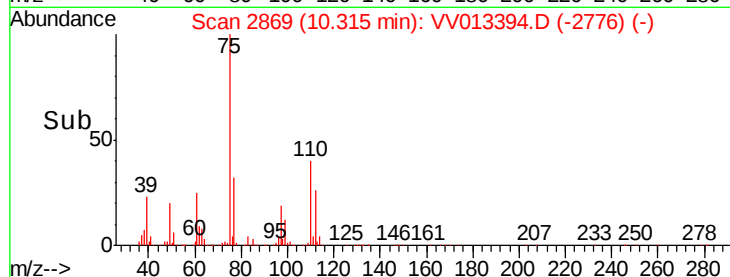
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 19.232 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013394.D

Acq: 29 Oct 2019 12:07

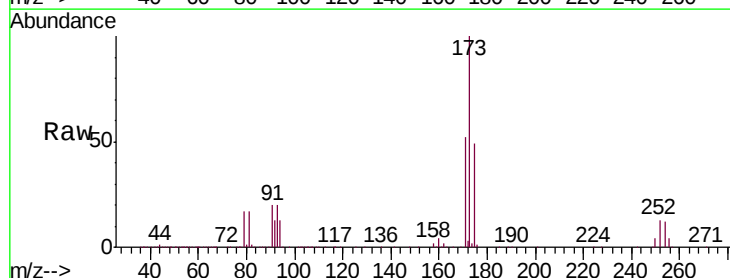
Tgt Ion: 173 Resp: 384790

Ion Ratio Lower Upper

173 100

175 48.8 39.8 59.8

254 12.7 9.8 14.6



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

9.77

250000

200000

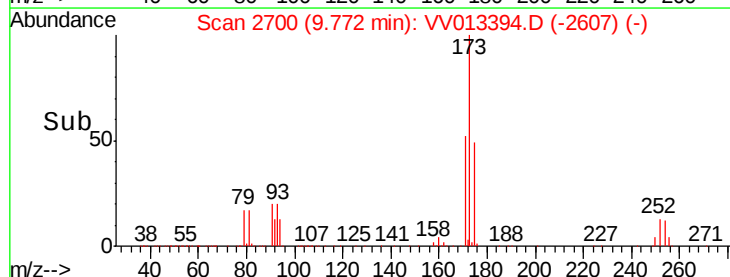
150000

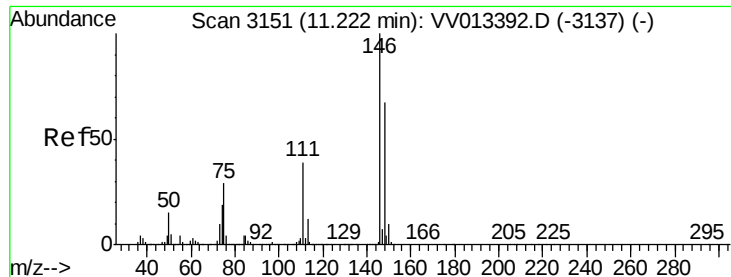
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 19.257 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013394.D

Acq: 29 Oct 2019 12:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD02036

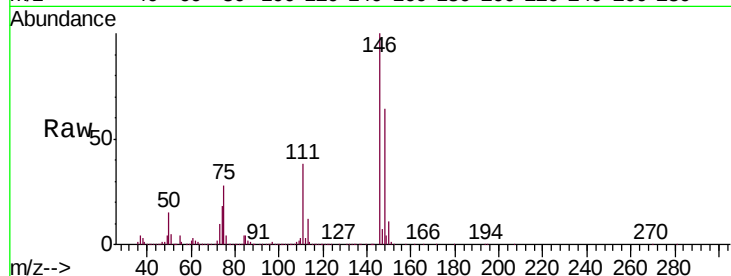
Tgt Ion:146 Resp: 1782071

Ion Ratio Lower Upper

146 100

111 37.8 27.2 50.4

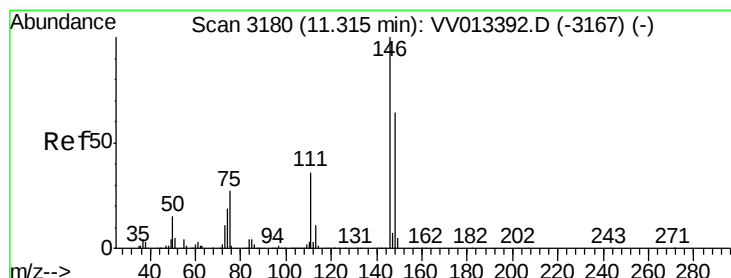
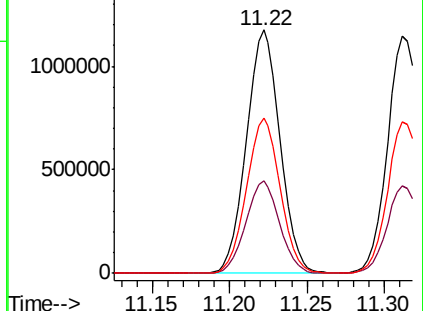
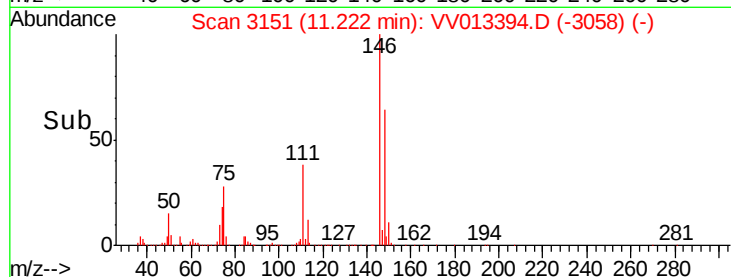
148 64.0 46.6 86.6



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: 18.844 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV013394.D

Acq: 29 Oct 2019 12:07

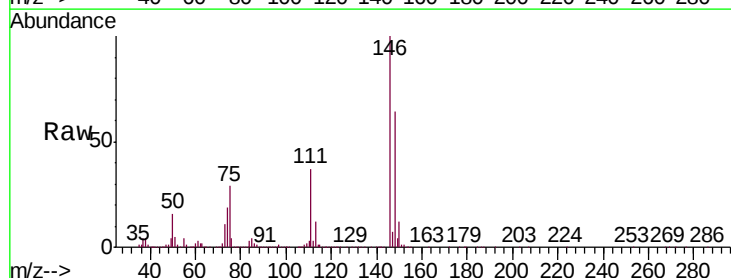
Tgt Ion:146 Resp: 1757511

Ion Ratio Lower Upper

146 100

111 36.8 25.4 47.2

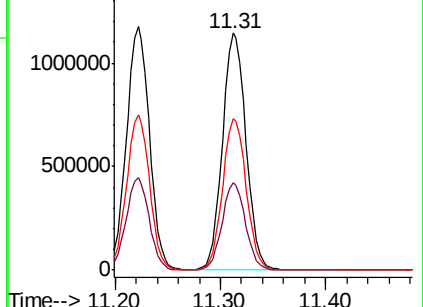
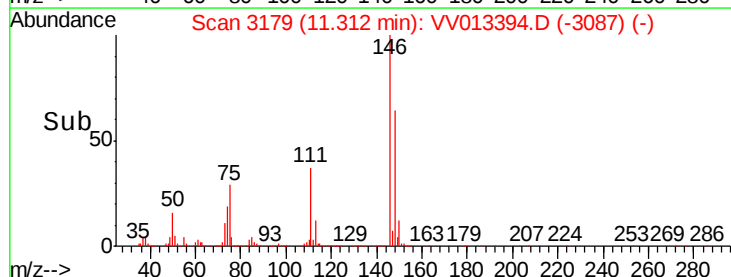
148 63.6 44.9 83.5

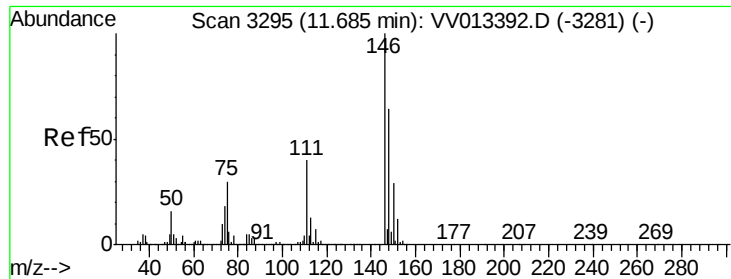


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 18.800 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV013394.D

Acq: 29 Oct 2019 12:07

Instrument :

MSVOA_V

ClientSampled :

VSTD02036

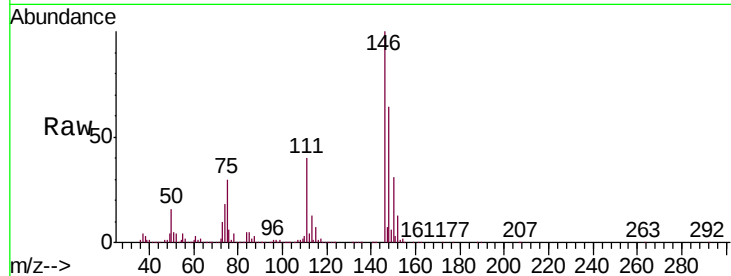
Tgt Ion:146 Resp: 1601761

Ion Ratio Lower Upper

146 100

111 40.1 31.9 47.9

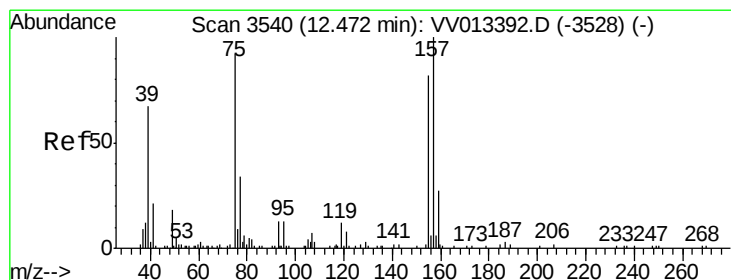
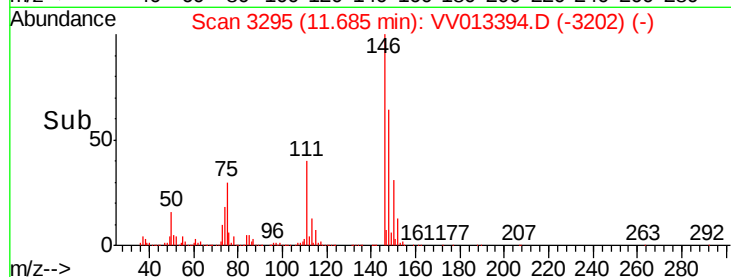
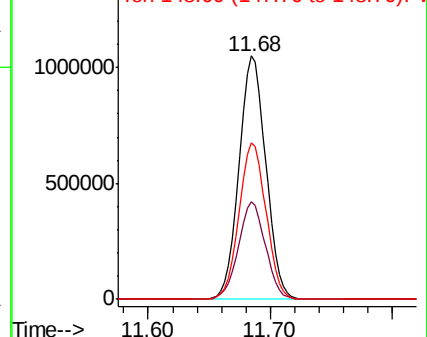
148 64.1 51.3 76.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 18.791 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV013394.D

Acq: 29 Oct 2019 12:07

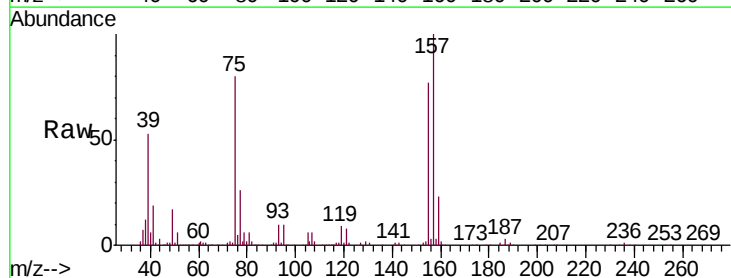
Tgt Ion: 75 Resp: 90414

Ion Ratio Lower Upper

75 100

155 95.7 70.6 105.8

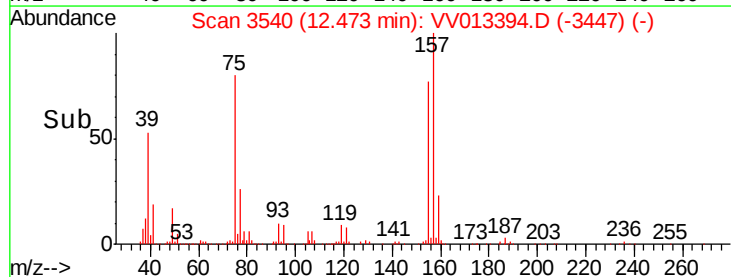
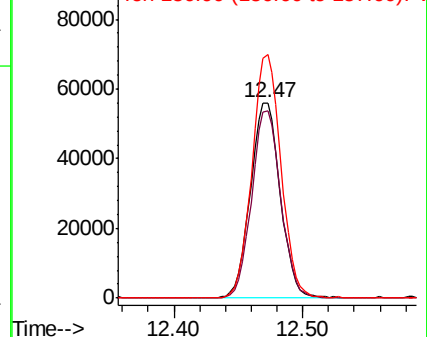
157 124.7 85.8 128.8

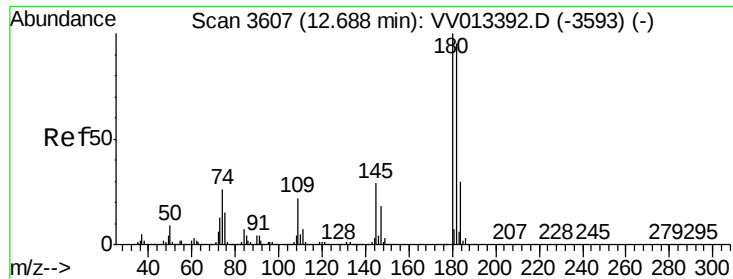


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

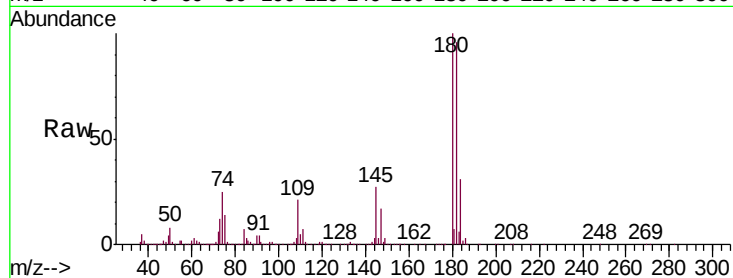




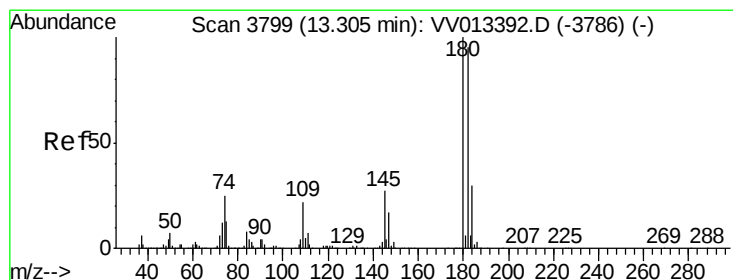
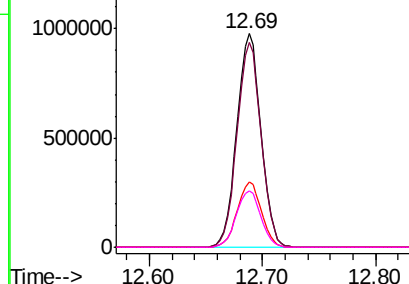
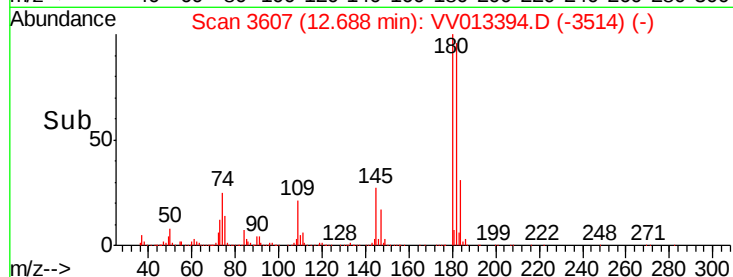
#67
 1,3,5-Trichlorobenzene
 Concen: 20.749 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013394.D
 Acq: 29 Oct 2019 12:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02036

Tgt Ion:	180	Resp:	1450837
Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.4	114.6
184	30.7	24.6	36.8
145	27.1	22.2	33.2

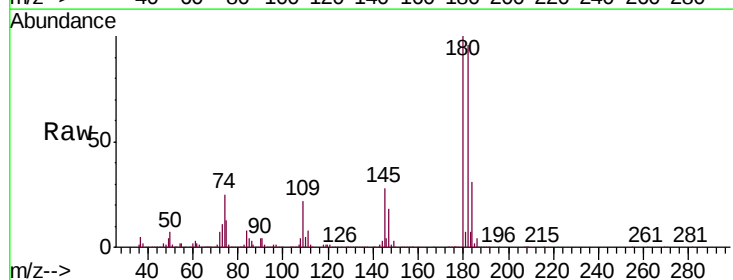


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

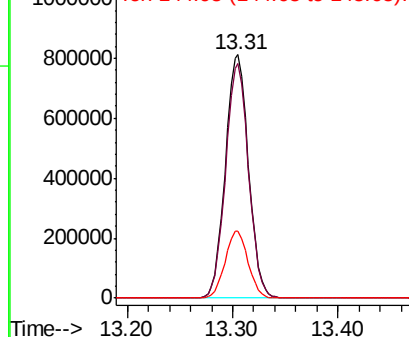
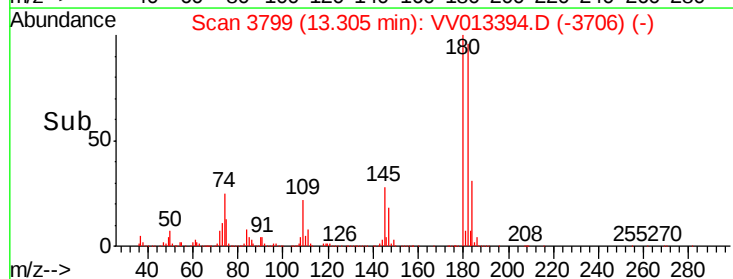


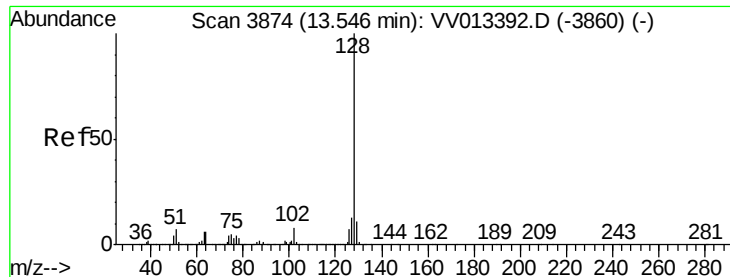
#68
 1,2,4-trichlorobenzene
 Concen: 20.341 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013394.D
 Acq: 29 Oct 2019 12:07

Tgt Ion:	180	Resp:	1229367
Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.2	114.4
145	27.5	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: 22.758 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013394.D

Acq: 29 Oct 2019 12:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD02036

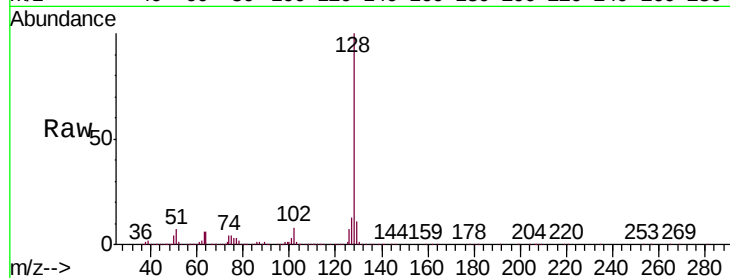
Tgt Ion:128 Resp: 1894513

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

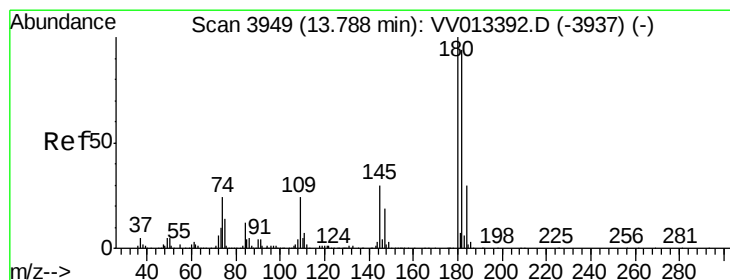
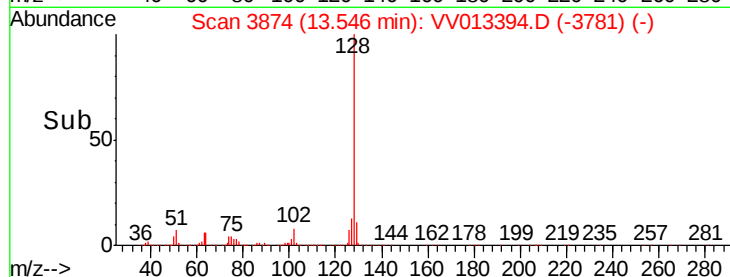
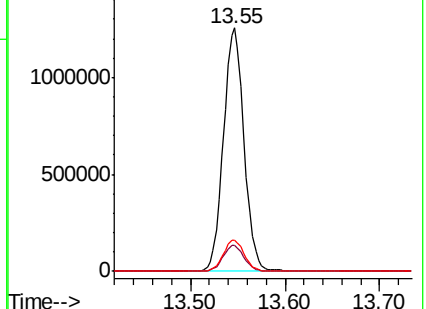
127 13.2 10.6 16.0



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: 20.034 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013394.D

Acq: 29 Oct 2019 12:07

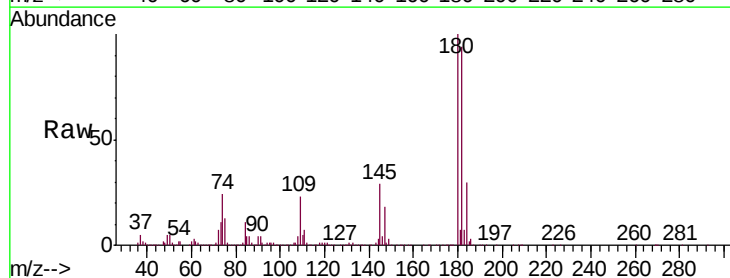
Tgt Ion:180 Resp: 1113485

Ion Ratio Lower Upper

180 100

182 94.7 75.7 113.5

145 29.2 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

