

Data File : VV013295.D
Acq On : 23 Oct 2019 11:02
Operator : SY/MD
Sample : VSTD05061
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

Quant Time: Oct 24 02:26:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 24 02:21:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	1287832	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	1210806	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	637379	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	417539	51.81	ug/L	0.00
7) Chloroethane-d5	1.58	69	316144	48.69	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	622027	42.51	ug/L	0.00
21) 2-Butanone-d5	3.95	46	546105	92.82	ug/L	0.00
24) Chloroform-d	4.40	84	903210	56.74	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	534938	55.04	ug/L	0.00
32) Benzene-d6	5.09	84	1876348	57.32	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	563144	55.40	ug/L	0.00
41) Toluene-d8	7.36	98	1731216	58.76	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	254697	55.17	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	342468	89.87	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	751150	56.85	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	697282	55.25	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	541383	53.203	ug/L	100
3) Chloromethane	1.25	50	413354	38.422	ug/L	100
5) Vinyl chloride	1.32	62	425044	40.731	ug/L	100
6) Bromomethane	1.53	94	213513	39.266	ug/L	100
8) Chloroethane	1.60	64	228924	37.584	ug/L	100
9) Trichlorofluoromethane	1.77	101	568648	42.234	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	332812	42.077	ug/L	100
12) 1,1-Dichloroethene	2.14	96	321470	41.944	ug/L	100
13) Acetone	2.22	43	378407	71.867	ug/L	100
14) Carbon disulfide	2.31	76	1122171	48.663	ug/L	100
15) Methyl Acetate	2.47	43	414774	43.136	ug/L	100
16) Methylene chloride	2.53	84	472475	49.754	ug/L	100
17) trans-1,2-Dichloroethene	2.79	96	438088	50.623	ug/L	100
18) Methyl tert-butyl Ether	2.80	73	1283053	49.279	ug/L	100
19) 1,1-Dichloroethane	3.23	63	799104	49.213	ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	485101	49.632	ug/L	100
22) 2-Butanone	4.04	43	572520	84.522	ug/L	100
23) Bromochloromethane	4.30	128	259737	51.724	ug/L	100
25) Chloroform	4.42	83	812047	49.475	ug/L	100
27) 1,2-Dichloroethane	5.18	62	599184	48.158	ug/L	100
29) Cyclohexane	4.72	56	729252	50.733	ug/L	100
30) 1,1,1-Trichloroethane	4.65	97	696640	51.633	ug/L	100
31) Carbon tetrachloride	4.87	117	627617	52.202	ug/L	100
33) Benzene	5.14	78	1861012	50.695	ug/L	100
34) Trichloroethene	5.96	95	472878	48.530	ug/L	100
35) Methylcyclohexane	6.17	83	761995	51.510	ug/L	100
37) 1,2-Dichloropropane	6.22	63	468829	49.567	ug/L	100
38) Bromodichloromethane	6.55	83	610636	50.404	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	706777	50.563	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	1162546	95.402	ug/L	100

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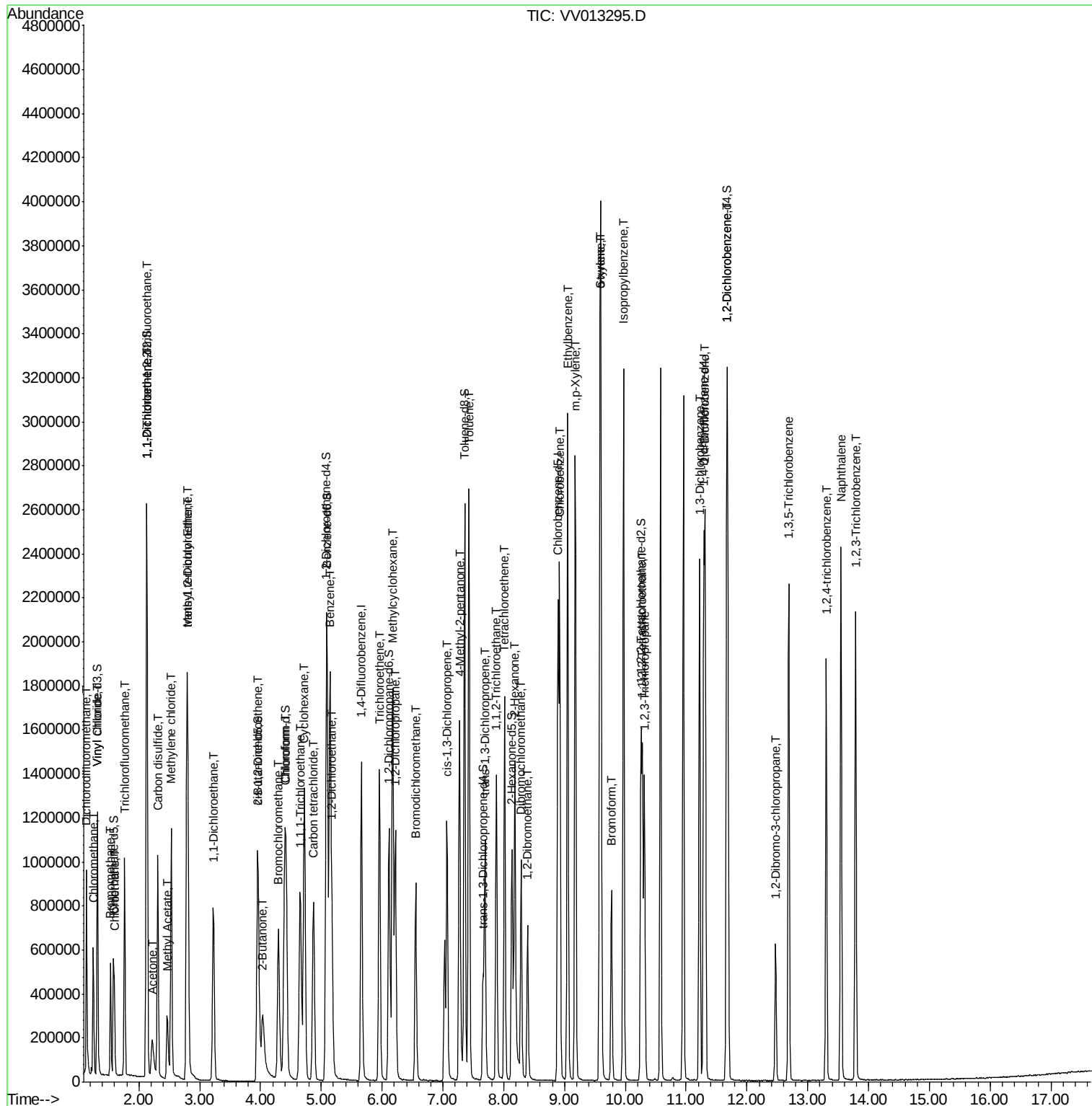
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	1955336	51.785	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	601540	49.713	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	451458	50.085	ug/L	100
46) Tetrachloroethene	8.02	164	422643	53.600	ug/L	100
48) 2-Hexanone	8.18	43	993487	103.518	ug/L	100
49) Dibromochloromethane	8.29	129	513314	51.811	ug/L	100
50) 1,2-Dibromoethane	8.39	107	482313	50.883	ug/L	100
51) Chlorobenzene	8.92	112	1271300	50.973	ug/L	100
52) Ethylbenzene	9.05	91	2095848	51.932	ug/L	100
53) m,p-Xylene	9.18	106	823199	53.898	ug/L	100
54) o-xylene	9.58	106	792905	52.127	ug/L	100
55) Styrene	9.60	104	1380865	54.796	ug/L	100
56) Isopropylbenzene	9.97	105	2061131	52.734	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	696970	52.651	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	569988	49.448	ug/L	100
61) Bromoform	9.77	173	401227	50.143	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	1026407	49.881	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	1036125	50.037	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	1037490	49.552	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	141687	47.148	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	758089	51.257	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	642225	50.765	ug/L	100
69) Naphthalene	13.55	128	1884089	54.160	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	708332	52.286	ug/L	100

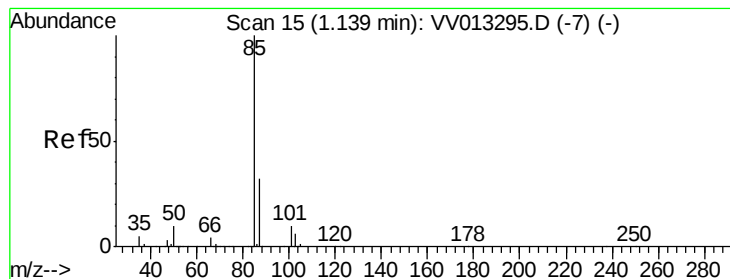
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 53.203 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013295.D

Acq: 23 Oct 2019 11:02

Instrument :

MSVOA_V

ClientSampleId :

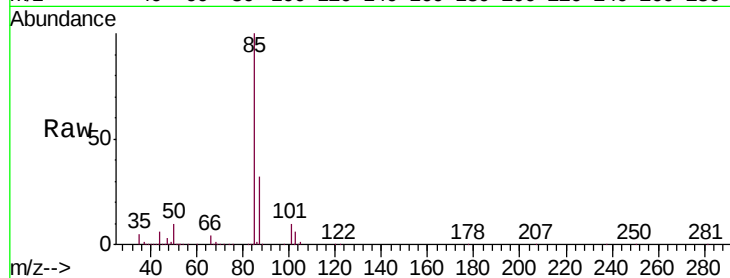
VSTD05061

Tgt Ion: 85 Resp: 541383

Ion Ratio Lower Upper

85 100

87 32.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV013295.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV013295.D (-7) (-)

1.14

500000

400000

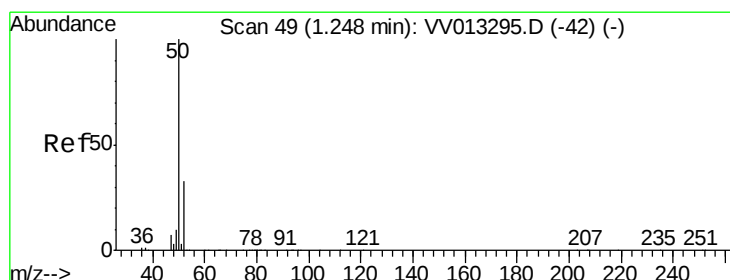
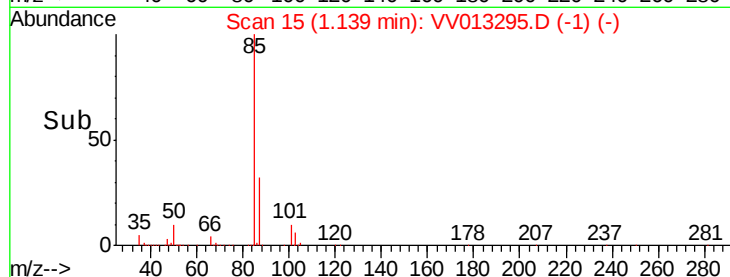
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 38.422 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV013295.D

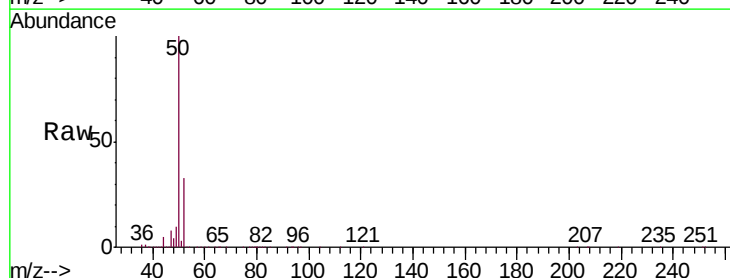
Acq: 23 Oct 2019 11:02

Tgt Ion: 50 Resp: 413354

Ion Ratio Lower Upper

50 100

52 33.2 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV013295.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV013295.D (-42) (-)

1.25

400000

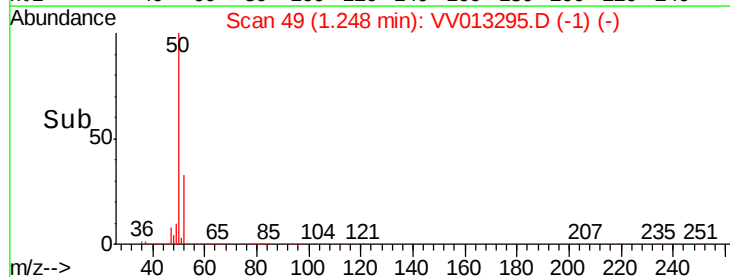
300000

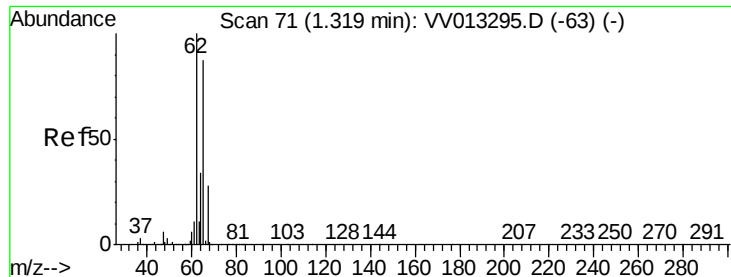
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 40.731 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV013295.D

Acq: 23 Oct 2019 11:02

Instrument :

MSVOA_V

ClientSampleId :

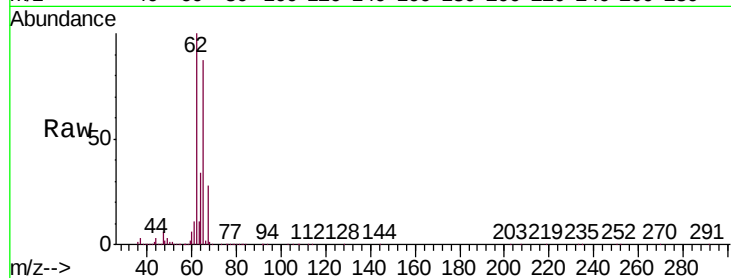
VSTD05061

Tgt Ion: 62 Resp: 425044

Ion Ratio Lower Upper

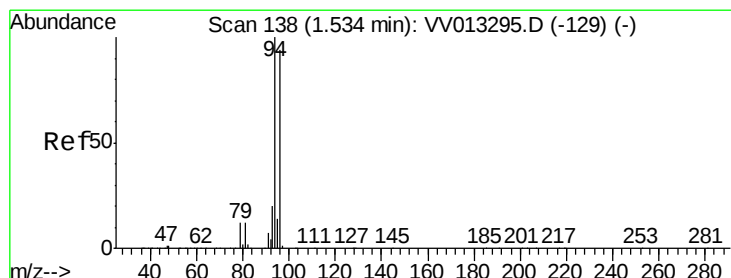
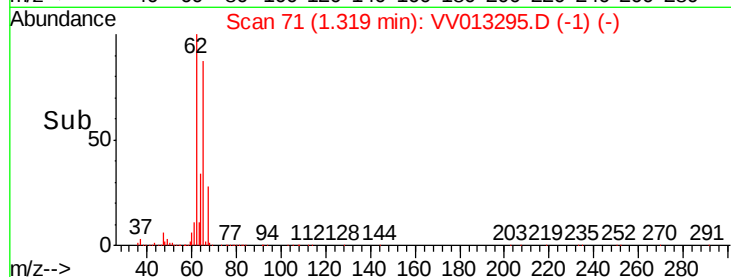
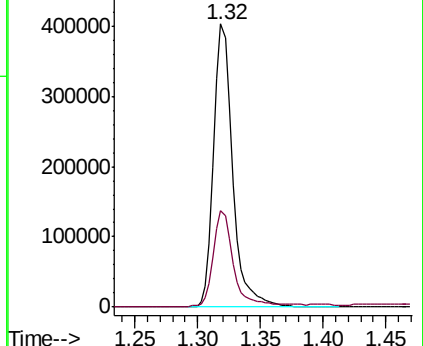
62 100

64 34.1 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 39.266 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013295.D

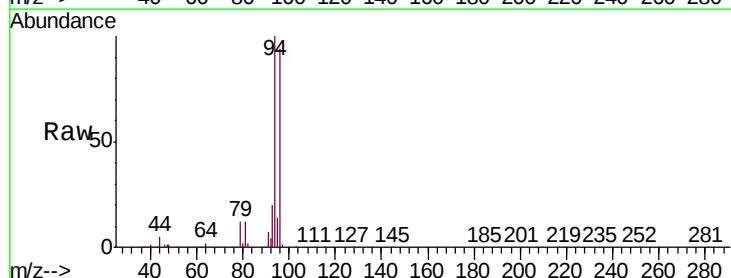
Acq: 23 Oct 2019 11:02

Tgt Ion: 94 Resp: 213513

Ion Ratio Lower Upper

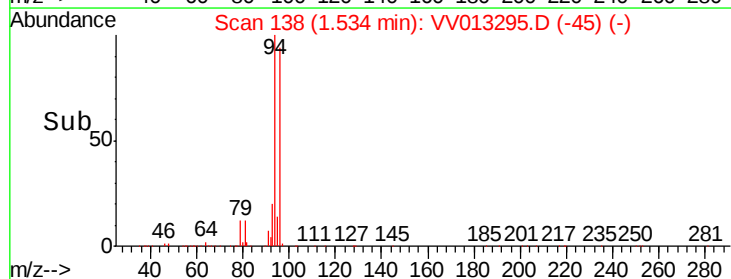
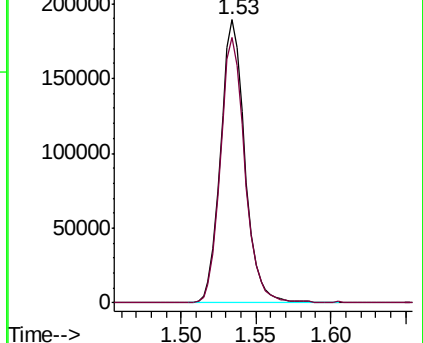
94 100

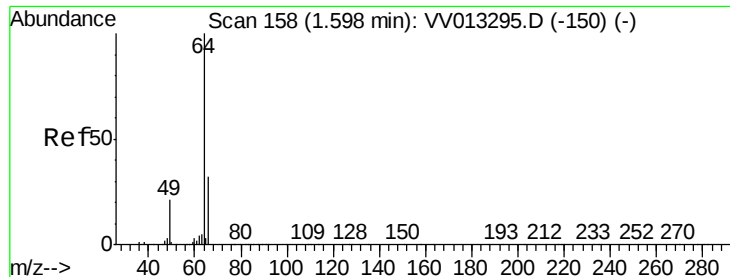
96 93.8 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 37.584 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013295.D

Acq: 23 Oct 2019 11:02

Instrument :

MSVOA_V

ClientSampleId :

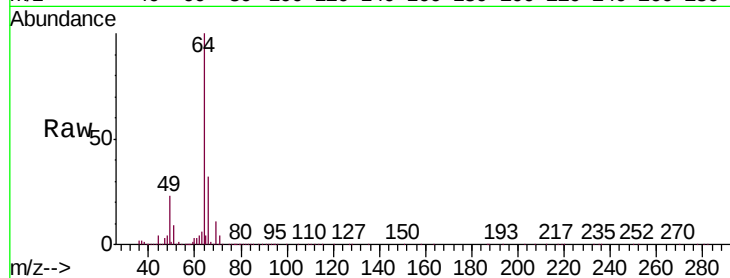
VSTD05061

Tgt Ion: 64 Resp: 228924

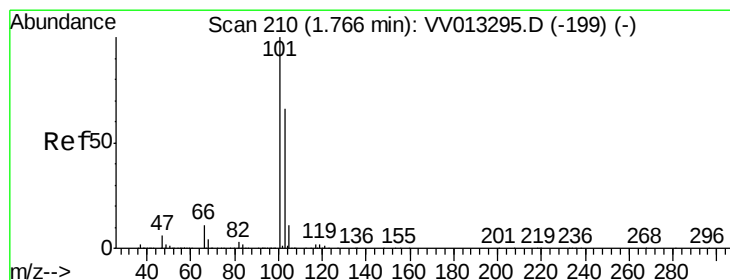
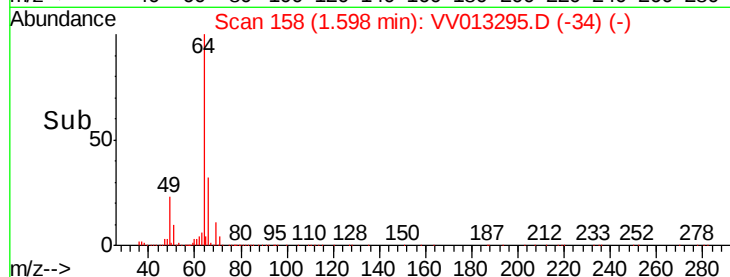
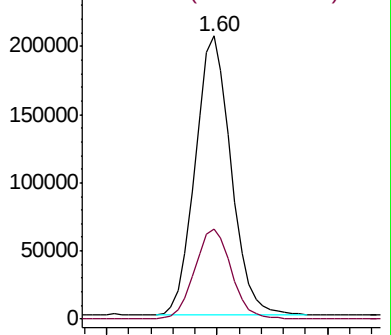
Ion Ratio Lower Upper

64 100

66 31.8 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV013295.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 42.234 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV013295.D

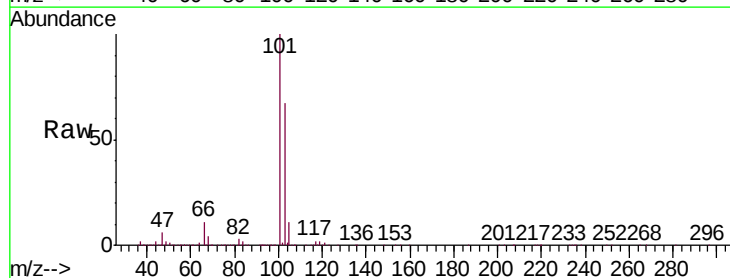
Acq: 23 Oct 2019 11:02

Tgt Ion: 101 Resp: 568648

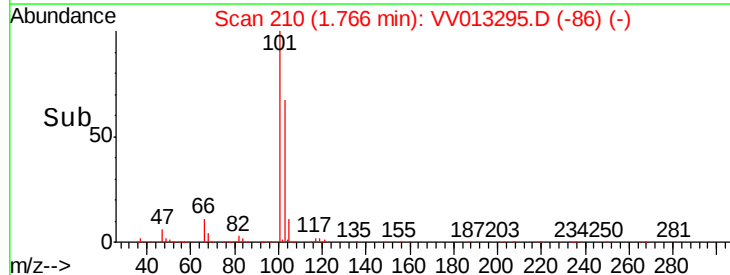
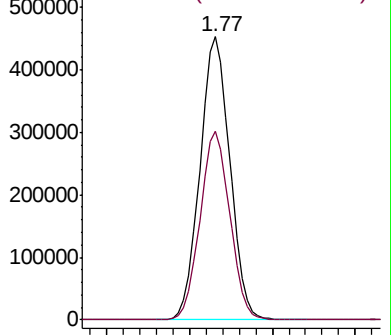
Ion Ratio Lower Upper

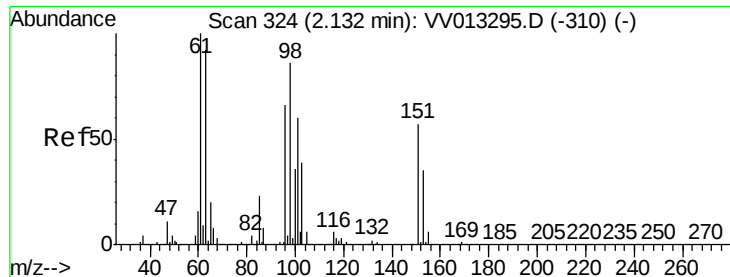
101 100

103 66.2 53.0 79.4



Abundance Ion 101.00 (100.70 to 101.70): VV013295.D (-199) (-)





#10

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

Concen: 42.077 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV013295.D

Acq: 23 Oct 2019 11:02

Instrument :

MSVOA_V

ClientSampled :

VSTD05061

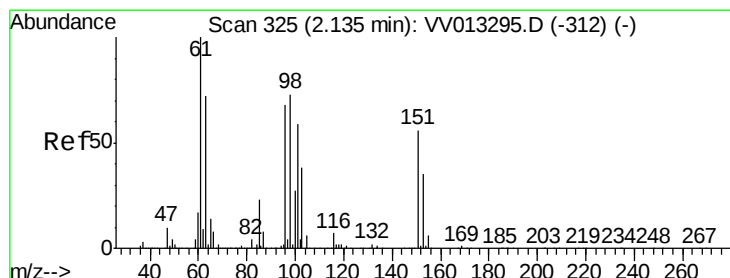
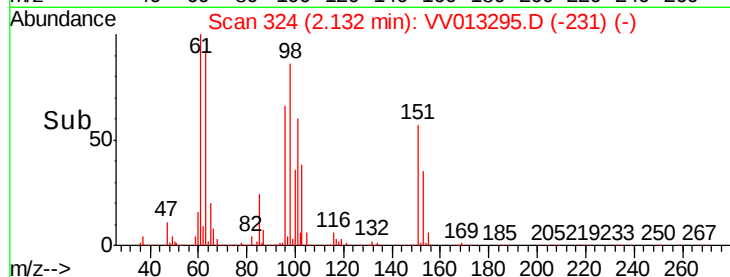
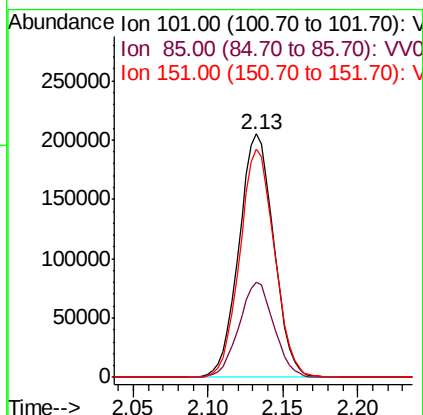
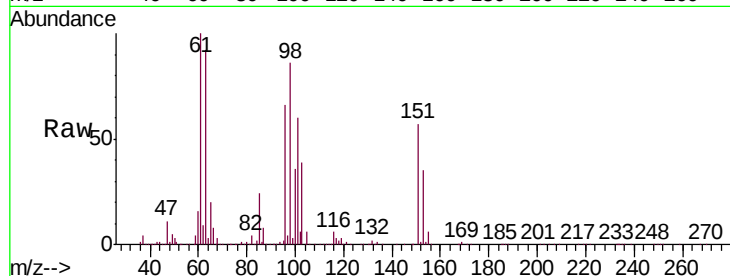
Tgt Ion: 101 Resp: 332812

Ion Ratio Lower Upper

101 100

85 39.3 31.4 47.2

151 93.3 74.6 112.0



#12

1,1-Dichloroethene

Concen: 41.944 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013295.D

Acq: 23 Oct 2019 11:02

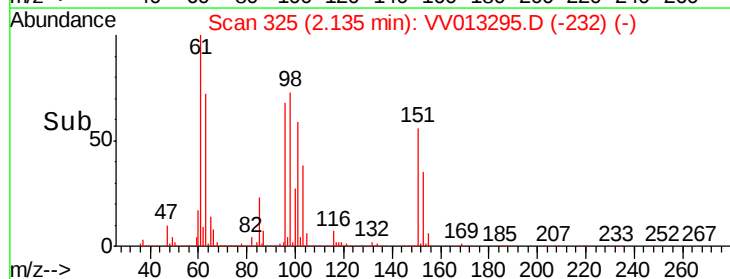
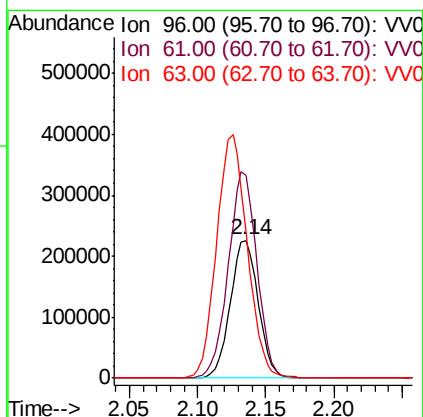
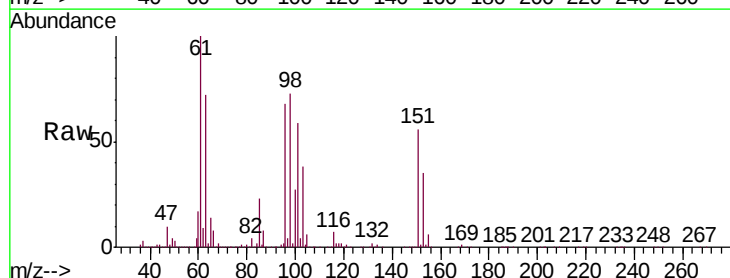
Tgt Ion: 96 Resp: 321470

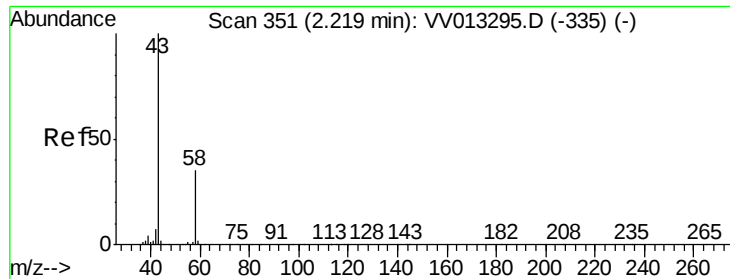
Ion Ratio Lower Upper

96 100

61 147.5 103.3 191.8

63 106.8 74.8 138.8





#13

Acetone

Concen: 71.867 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.00 min

Lab File: VV013295.D

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Instrument :

MSVOA_V

ClientSampleId :

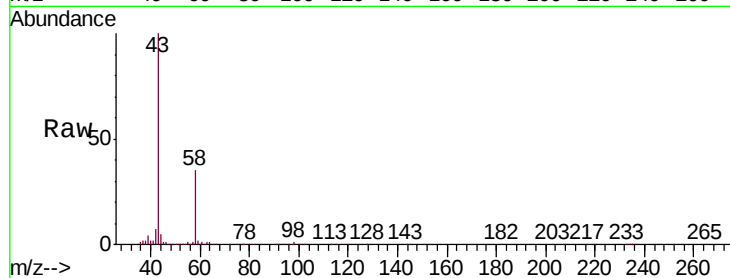
VSTD05061

Tgt Ion: 43 Resp: 378407

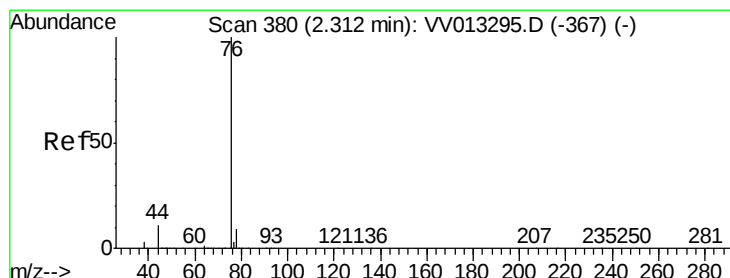
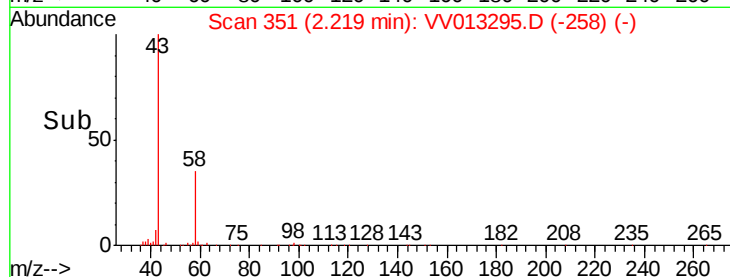
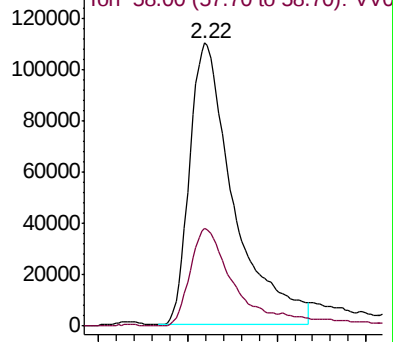
Ion Ratio Lower Upper

43 100

58 32.0 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VV013295.D (-335) (-)



#14

Carbon disulfide

Concen: 48.663 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV013295.D

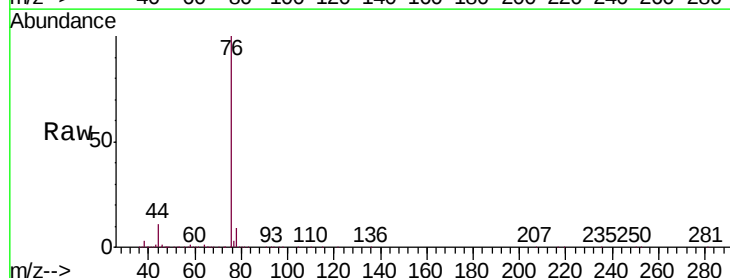
Acq: 23 Oct 2019 11:02

Tgt Ion: 76 Resp: 1122171

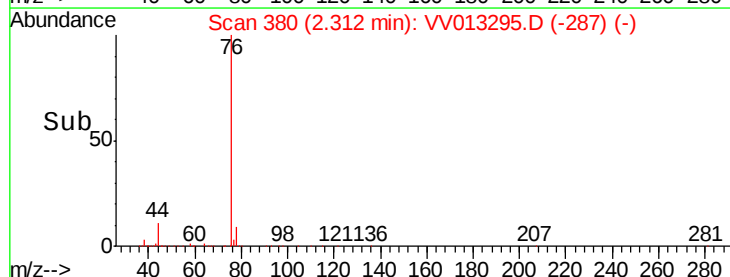
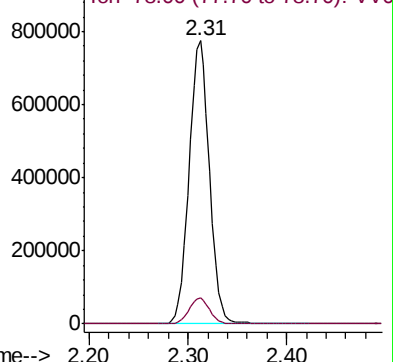
Ion Ratio Lower Upper

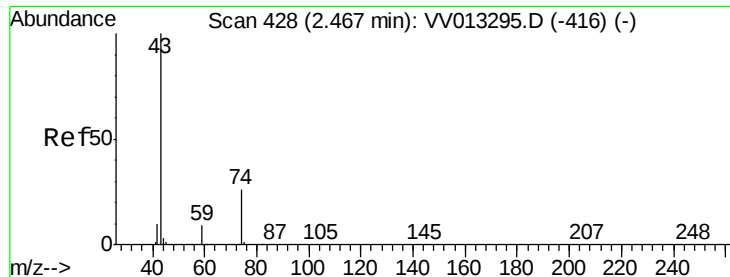
76 100

78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV013295.D (-367) (-)

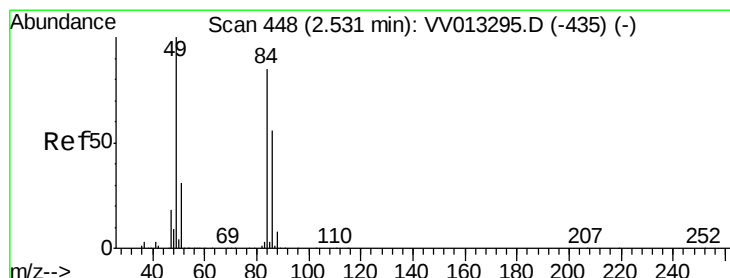
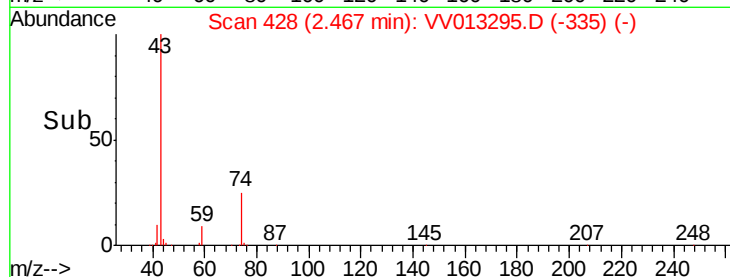
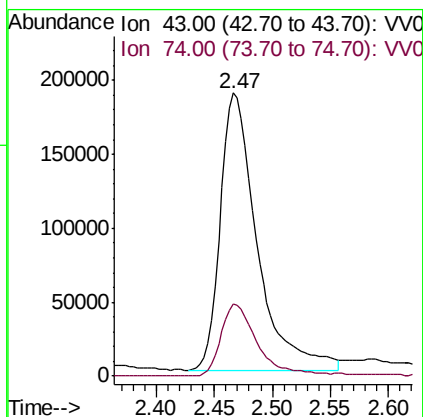
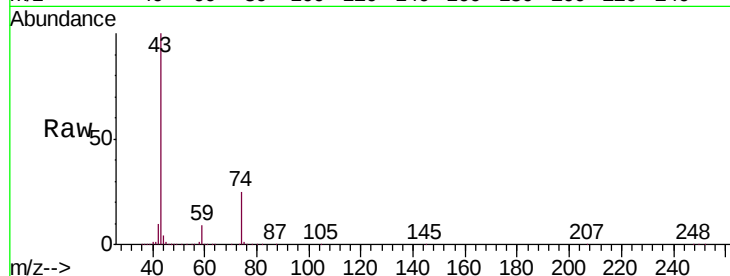




#15
Methyl Acetate
Concen: 43.136 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV013295.D
Acq: 23 Oct 2019 11:02

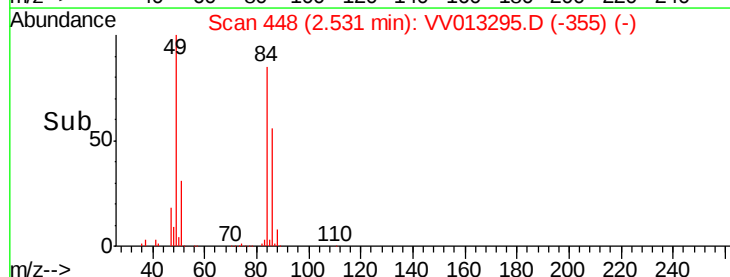
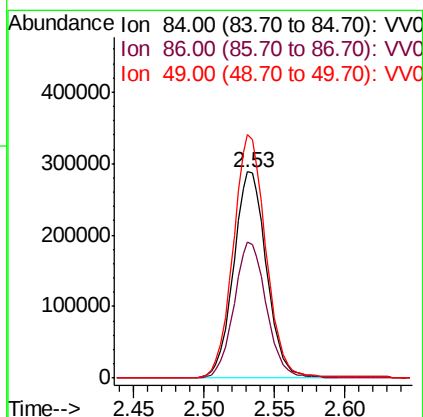
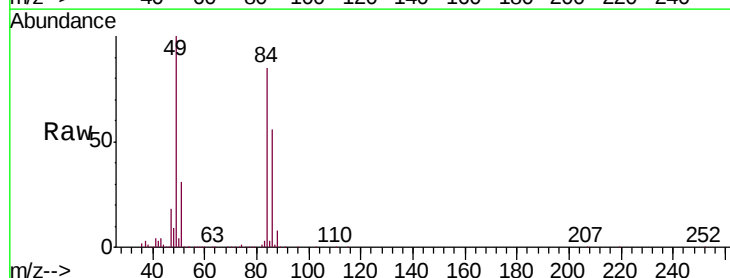
Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

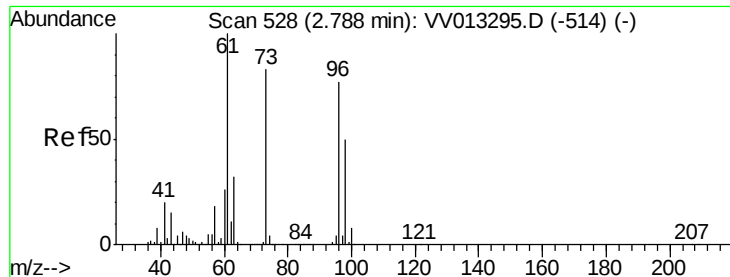
Tgt Ion: 43 Resp: 414774
Ion Ratio Lower Upper
43 100
74 25.8 20.6 31.0



#16
Methylene chloride
Concen: 49.754 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV013295.D
Acq: 23 Oct 2019 11:02

Tgt Ion: 84 Resp: 472475
Ion Ratio Lower Upper
84 100
86 66.0 46.2 85.8
49 118.1 82.7 153.5





#17

trans-1,2-Dichloroethene

Concen: 50.623 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV013295.D

Acq: 23 Oct 2019 11:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

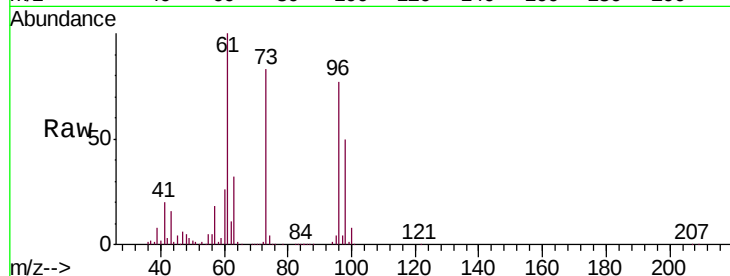
Tgt Ion: 96 Resp: 438088

Ion Ratio Lower Upper

96 100

61 130.3 91.2 169.4

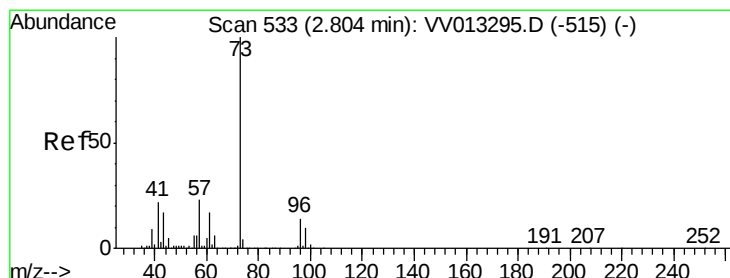
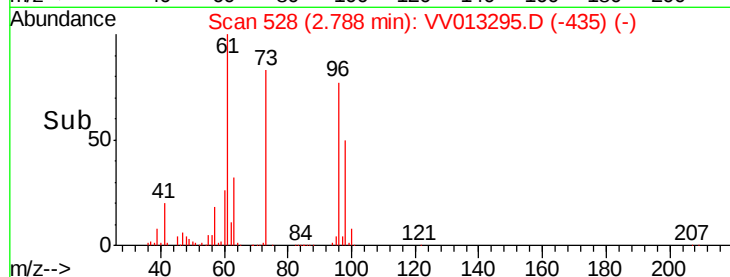
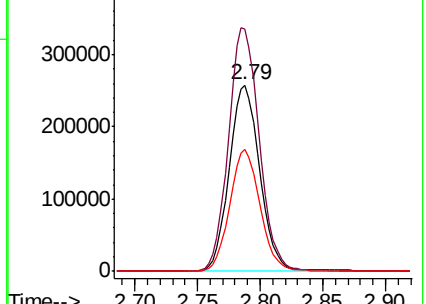
98 65.3 45.7 84.9



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 49.279 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV013295.D

Acq: 23 Oct 2019 11:02

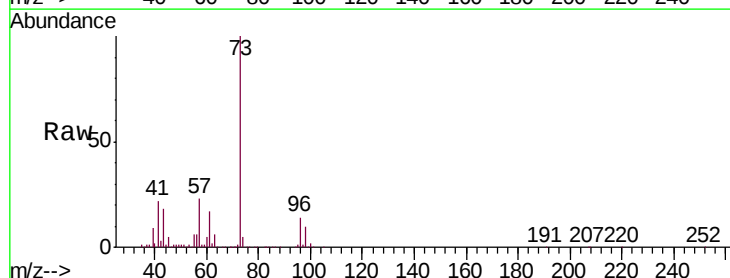
Tgt Ion: 73 Resp: 1283053

Ion Ratio Lower Upper

73 100

43 17.7 14.2 21.2

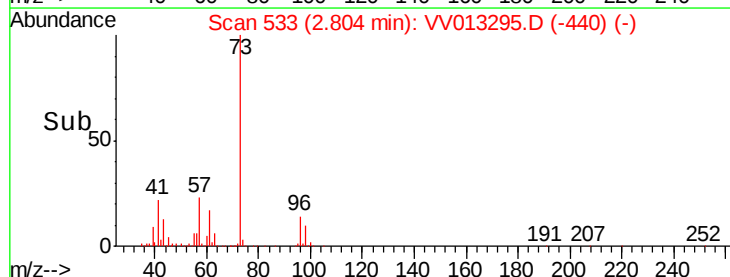
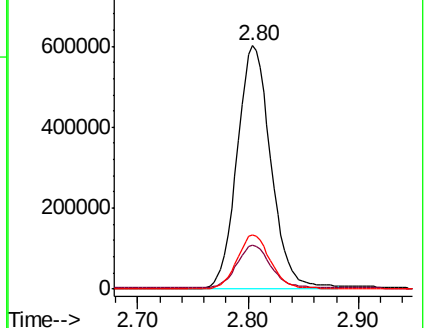
57 22.0 17.6 26.4

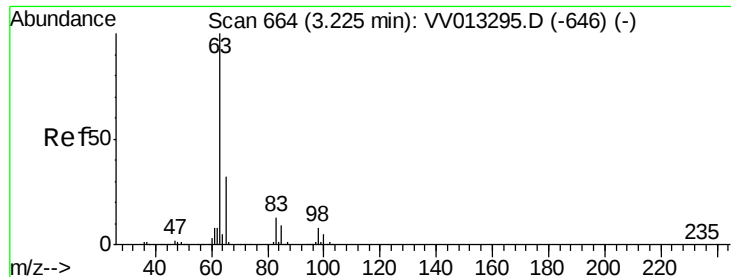


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 49.213 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV013295.D

Acq: 23 Oct 2019 11:02

Instrument :

MSVOA_V

ClientSampled :

VSTD05061

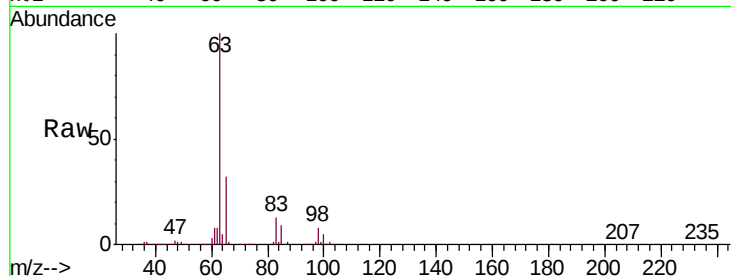
Tgt Ion: 63 Resp: 799104

Ion Ratio Lower Upper

63 100

65 32.1 22.5 41.7

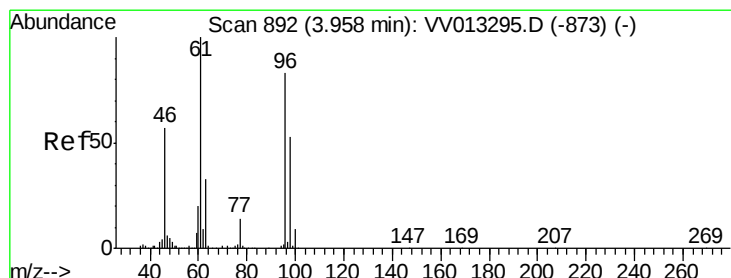
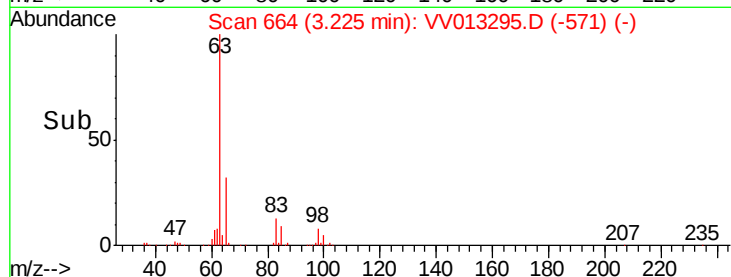
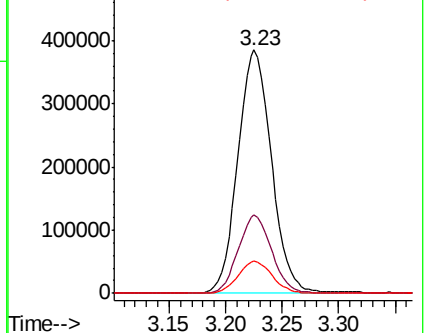
83 13.2 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 49.632 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV013295.D

Acq: 23 Oct 2019 11:02

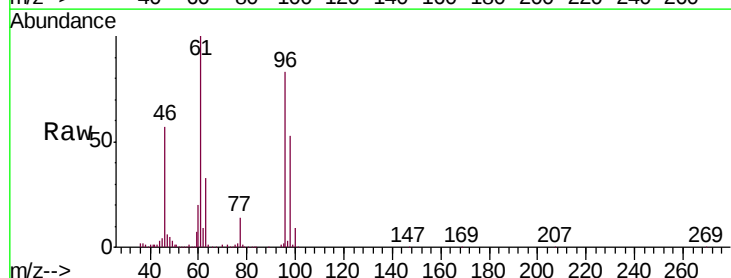
Tgt Ion: 96 Resp: 485101

Ion Ratio Lower Upper

96 100

61 121.1 84.8 157.4

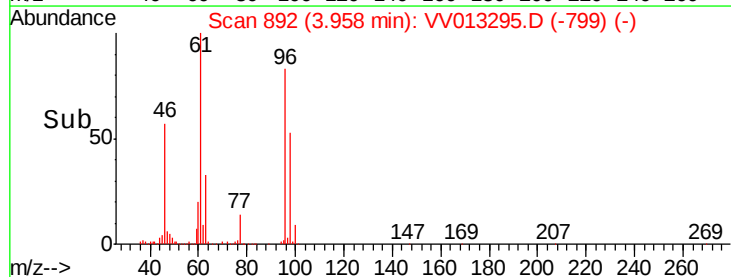
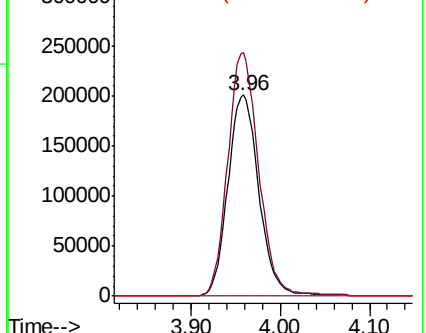
68 0.0 0.0 0.0

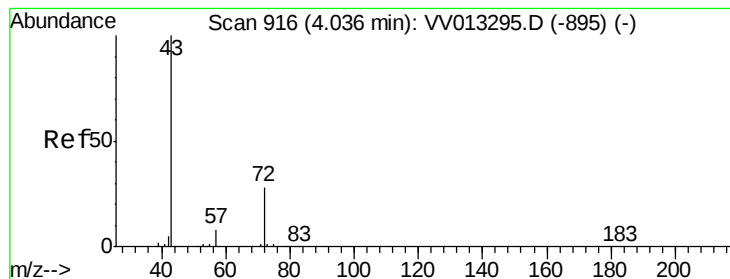


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 84.522 ug/L

RT: 4.04 min Scan# 916

Delta R.T. 0.00 min

Lab File: VV013295.D

Acq: 23 Oct 2019 11:02

Instrument :

MSVOA_V

ClientSampleId :

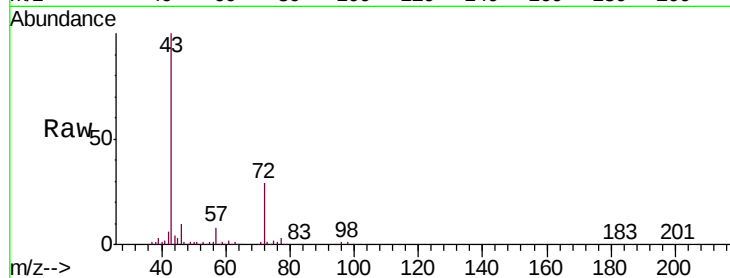
VSTD05061

Tgt Ion: 43 Resp: 572520

Ion Ratio Lower Upper

43 100

72 25.9 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VV013295.D (-895) (-)

Ion 72.00 (71.70 to 72.70): VV013295.D (-895) (-)

4.04

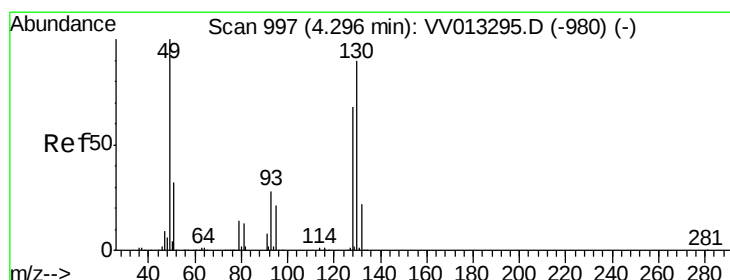
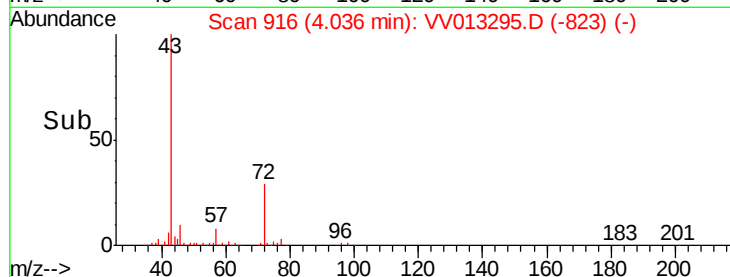
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 51.724 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV013295.D

Acq: 23 Oct 2019 11:02

Tgt Ion: 128 Resp: 259737

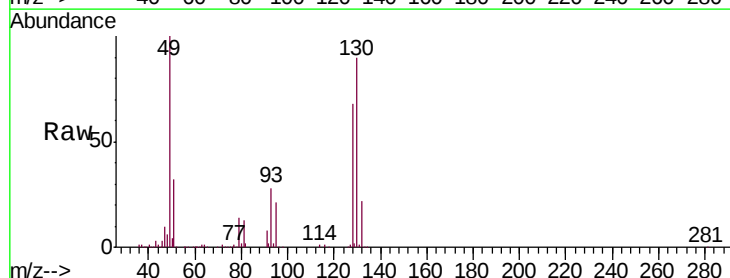
Ion Ratio Lower Upper

128 100

49 147.3 103.1 191.5

130 132.1 92.5 171.7

51 47.0 37.6 56.4



Abundance Ion 128.00 (127.70 to 128.70): VV013295.D (-980) (-)

Ion 49.00 (48.70 to 49.70): VV013295.D (-980) (-)

Ion 130.00 (129.70 to 130.70): VV013295.D (-980) (-)

Ion 51.00 (50.70 to 51.70): VV013295.D (-980) (-)

4.30

200000

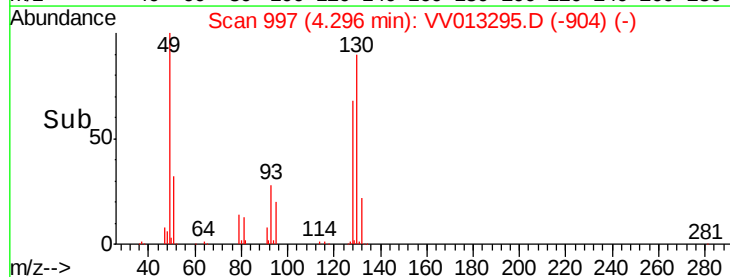
150000

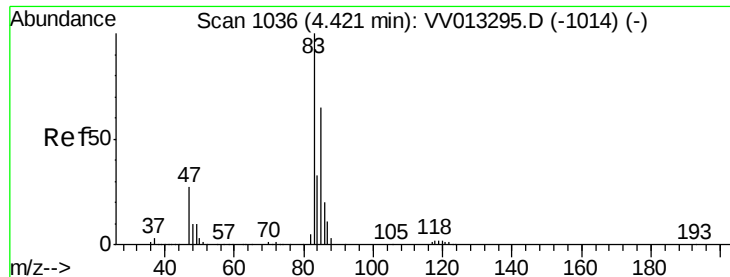
100000

50000

0

Time-->

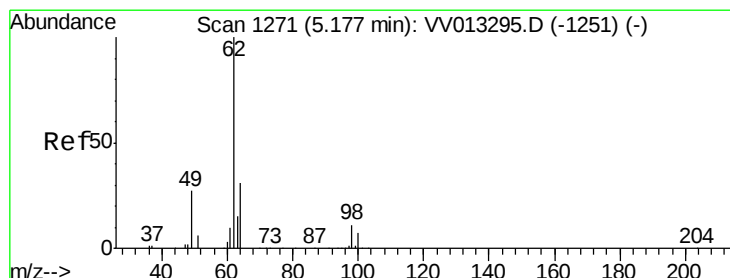
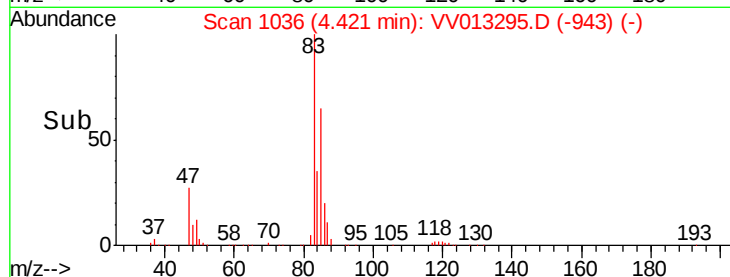
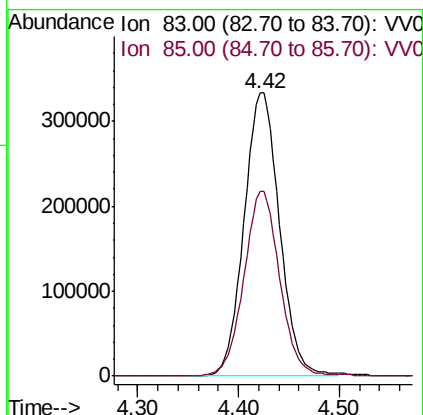
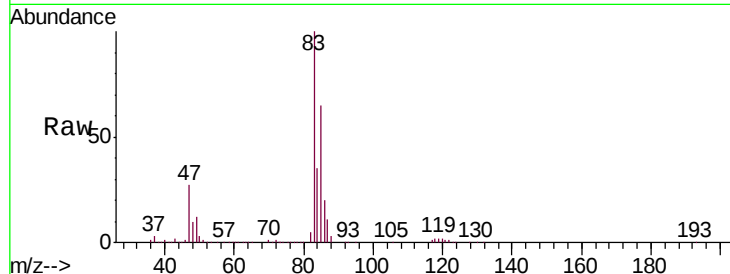




#25
Chloroform
Concen: 49.475 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV013295.D
Acq: 23 Oct 2019 11:02

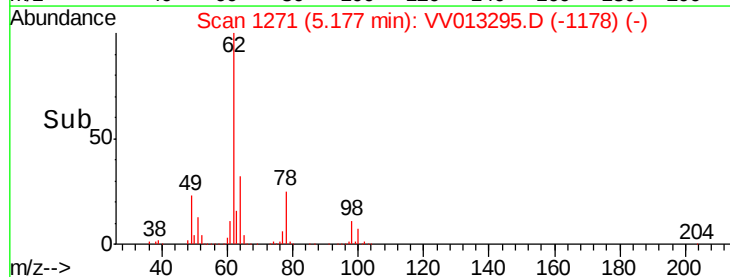
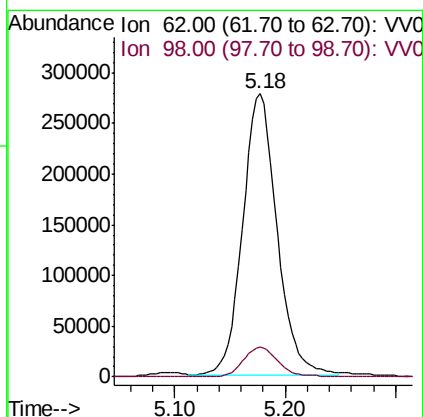
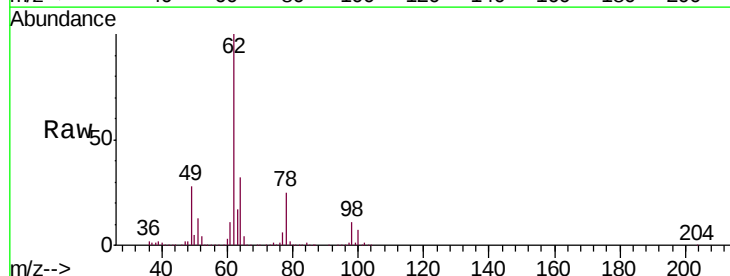
Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

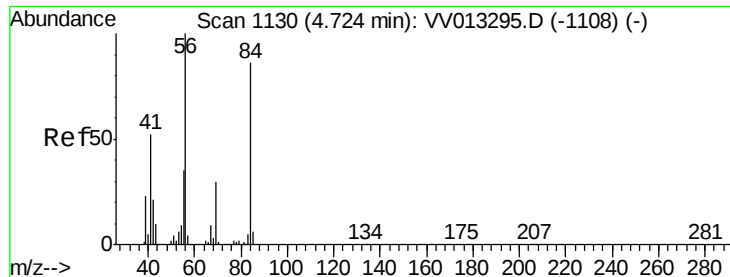
Tgt Ion: 83 Resp: 812047
Ion Ratio Lower Upper
83 100
85 65.4 45.8 85.0



#27
1,2-Dichloroethane
Concen: 48.158 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV013295.D
Acq: 23 Oct 2019 11:02

Tgt Ion: 62 Resp: 599184
Ion Ratio Lower Upper
62 100
98 10.6 8.5 12.7





#29

Cyclohexane

Concen: 50.733 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV013295.D

Acq: 23 Oct 2019 11:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

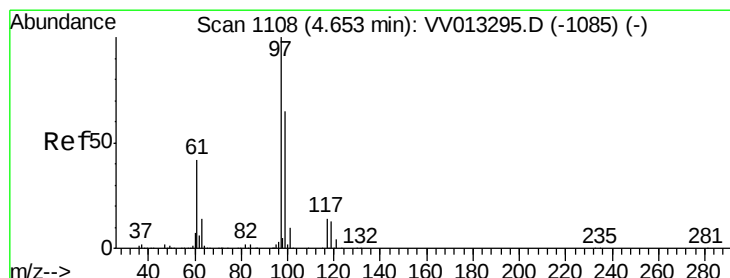
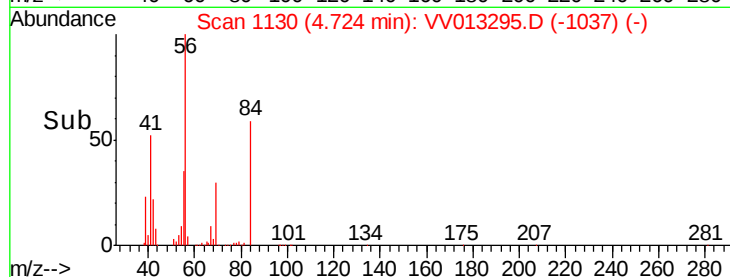
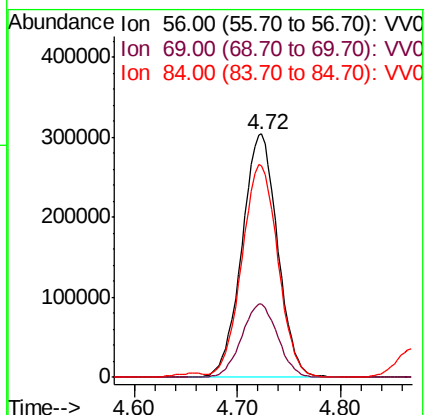
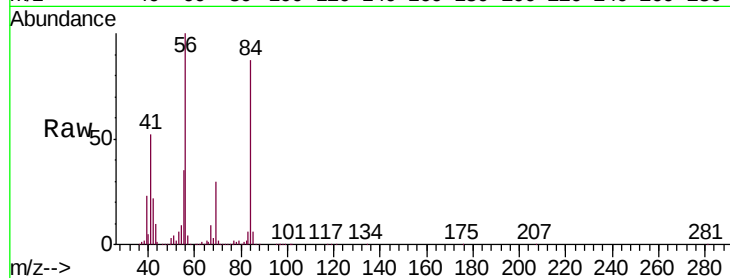
Tgt Ion: 56 Resp: 729252

Ion Ratio Lower Upper

56 100

69 30.5 24.4 36.6

84 88.1 70.5 105.7



#30

1,1,1-Trichloroethane

Concen: 51.633 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV013295.D

Acq: 23 Oct 2019 11:02

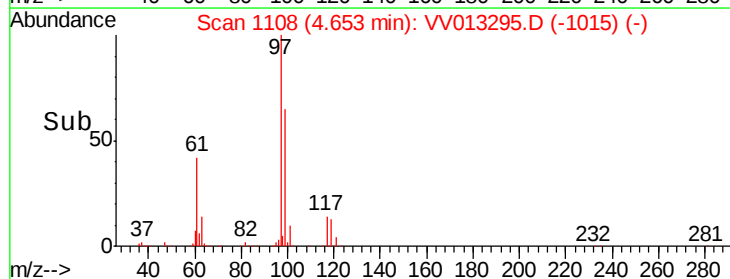
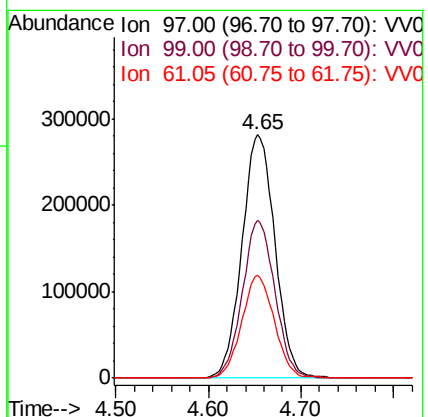
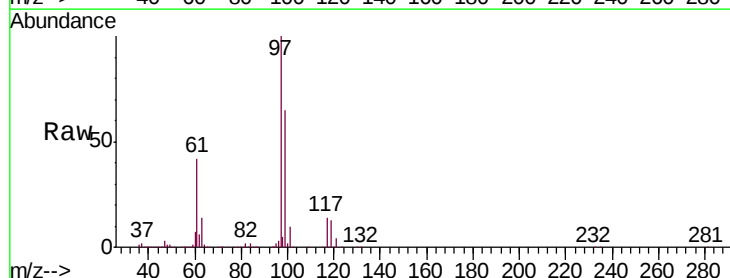
Tgt Ion: 97 Resp: 696640

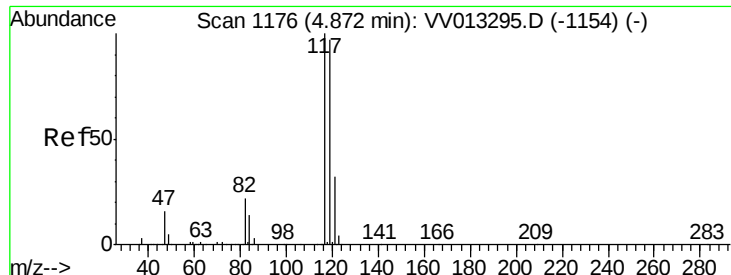
Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.6

61 41.5 33.2 49.8

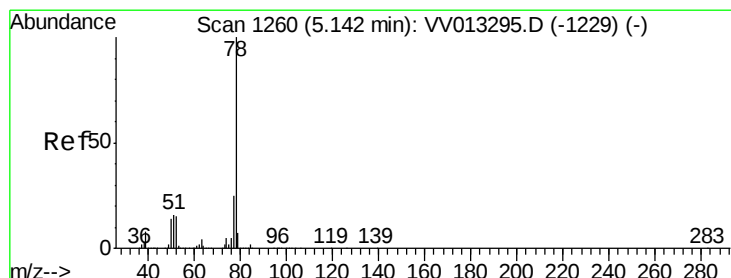
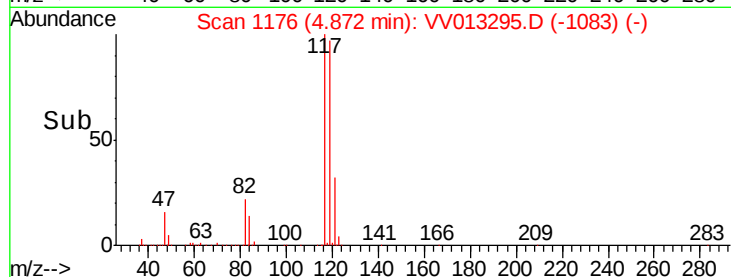
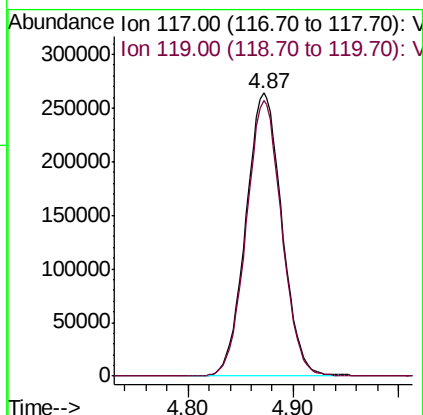
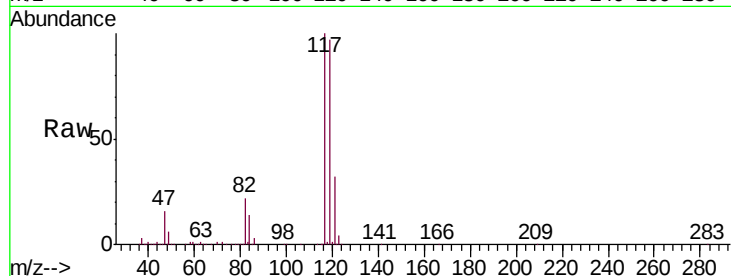




#31
Carbon tetrachloride
Concen: 52.202 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV013295.D
Acq: 23 Oct 2019 11:02

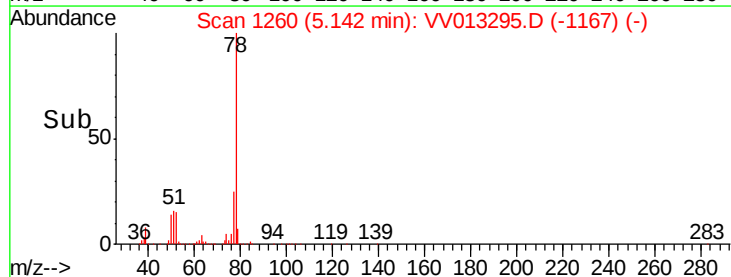
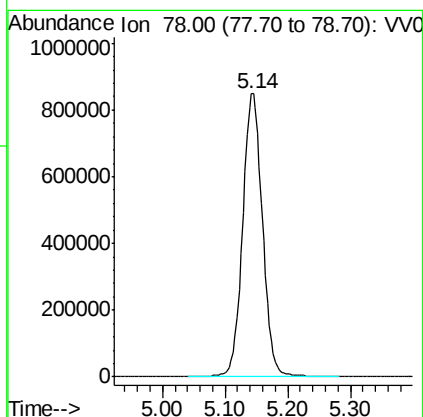
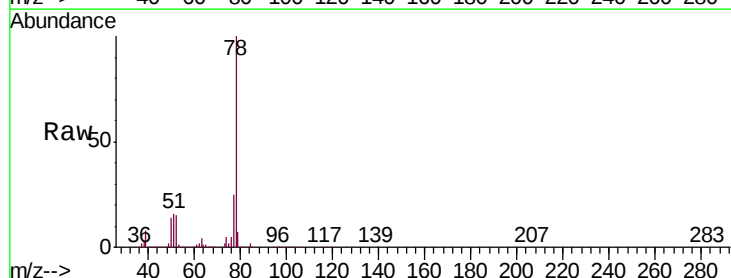
Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

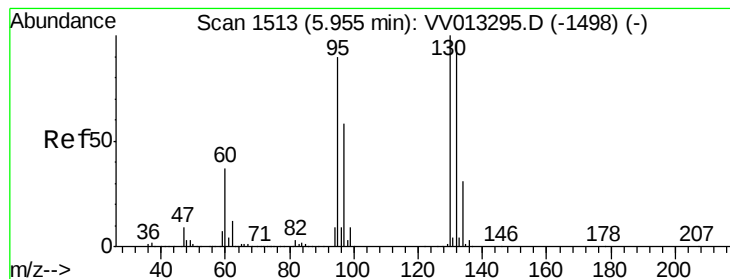
Tgt Ion:117 Resp: 627617
Ion Ratio Lower Upper
117 100
119 95.8 76.6 115.0



#33
Benzene
Concen: 50.695 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VV013295.D
Acq: 23 Oct 2019 11:02

Tgt Ion: 78 Resp: 1861012





#34

Trichloroethene

Concen: 48.530 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013295.D

Acq: 23 Oct 2019 11:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

Tgt Ion: 95 Resp: 472878

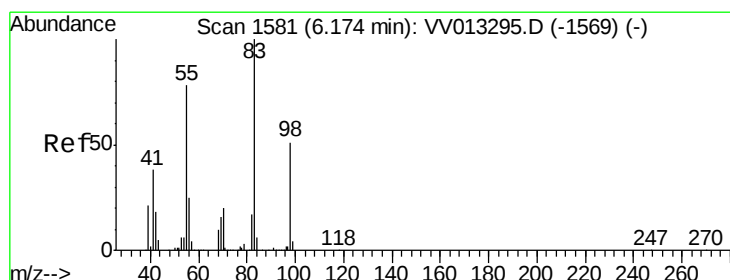
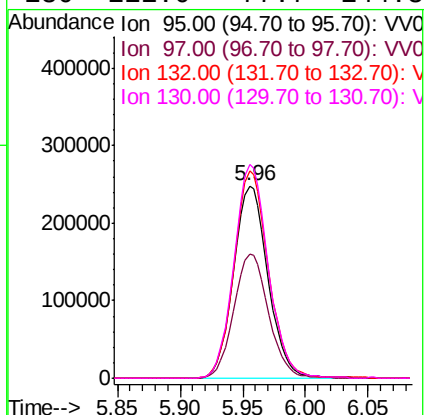
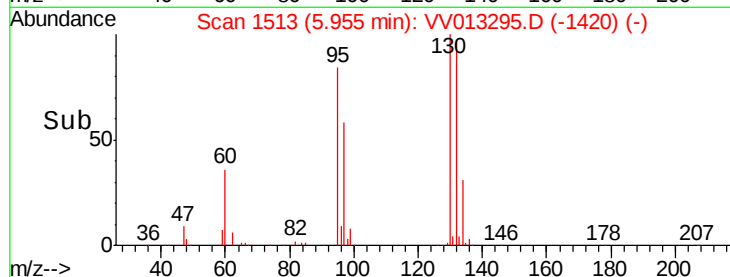
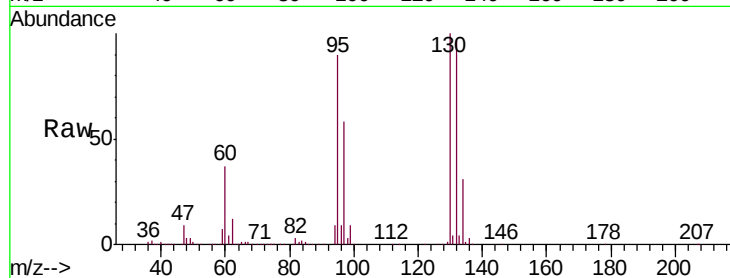
Ion Ratio Lower Upper

95 100

97 64.7 45.3 84.1

132 107.8 75.5 140.1

130 111.0 77.7 144.3



#35

Methylcyclohexane

Concen: 51.510 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV013295.D

Acq: 23 Oct 2019 11:02

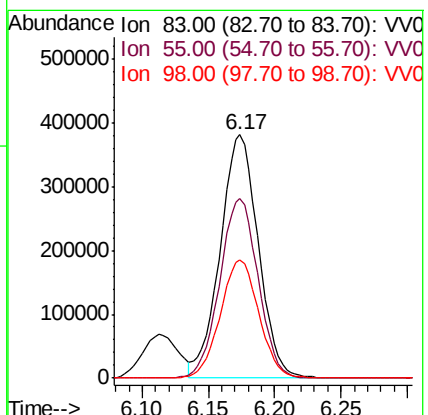
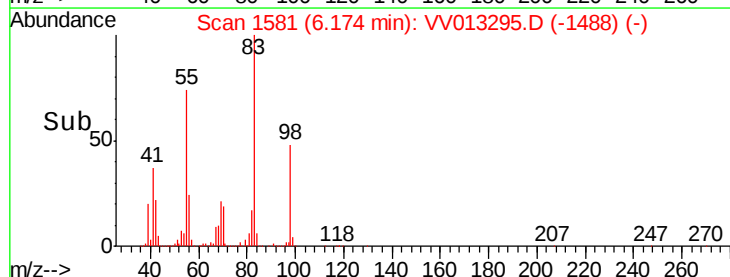
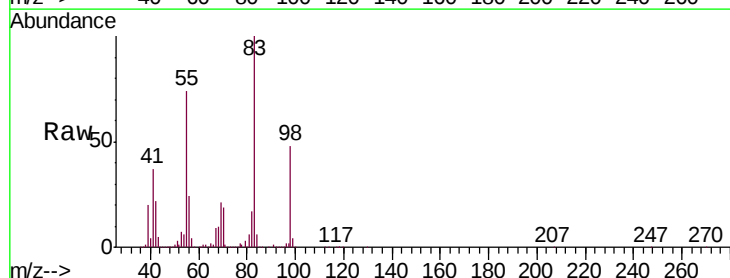
Tgt Ion: 83 Resp: 761995

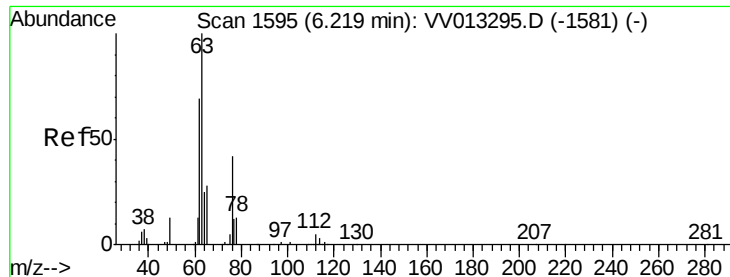
Ion Ratio Lower Upper

83 100

55 73.7 59.0 88.4

98 49.1 39.3 58.9





#37

1,2-Dichloropropane

Concen: 49.567 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV013295.D

Acq: 23 Oct 2019 11:02

Instrument :

MSVOA_V

ClientSampled :

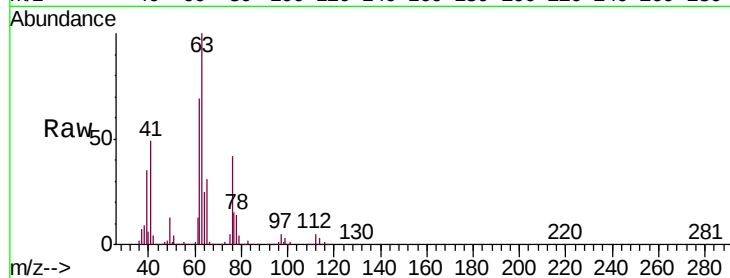
VSTD05061

Tgt Ion: 63 Resp: 468829

Ion Ratio Lower Upper

63 100

112 4.9 3.9 5.9



Abundance Ion 63.00 (62.70 to 63.70): VV013295.D (-1581) (-)

Ion 112.00 (111.70 to 112.70): VV013295.D (-1581) (-)

6.22

250000

200000

150000

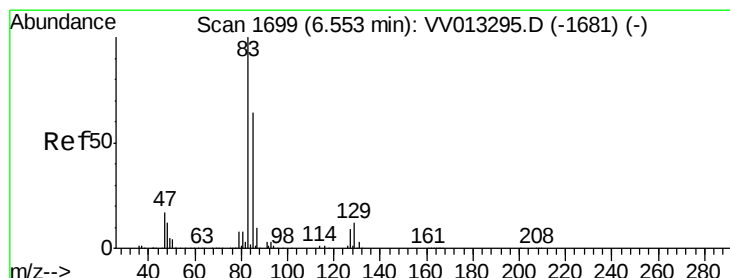
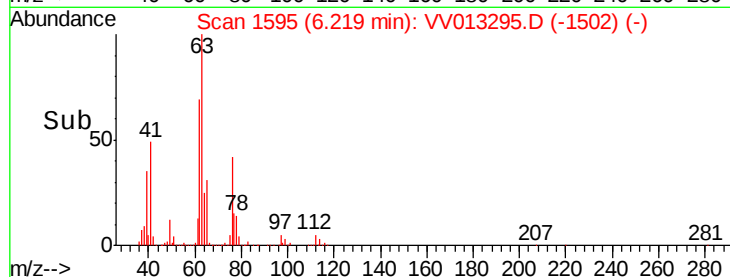
100000

50000

0

6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 50.404 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV013295.D

Acq: 23 Oct 2019 11:02

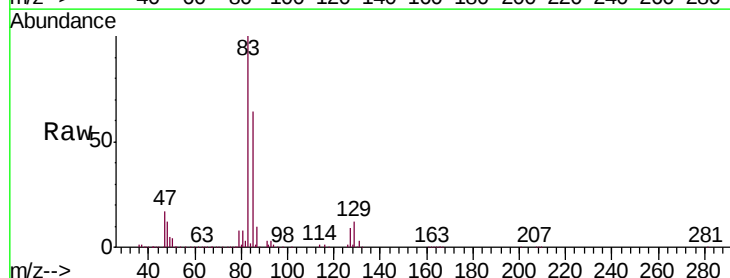
Tgt Ion: 83 Resp: 610636

Ion Ratio Lower Upper

83 100

85 63.7 44.6 82.8

127 9.3 7.4 11.2



Abundance Ion 83.00 (82.70 to 83.70): VV013295.D (-1681) (-)

Ion 85.00 (84.70 to 85.70): VV013295.D (-1681) (-)

Ion 127.00 (126.70 to 127.70): VV013295.D (-1681) (-)

6.55

400000

300000

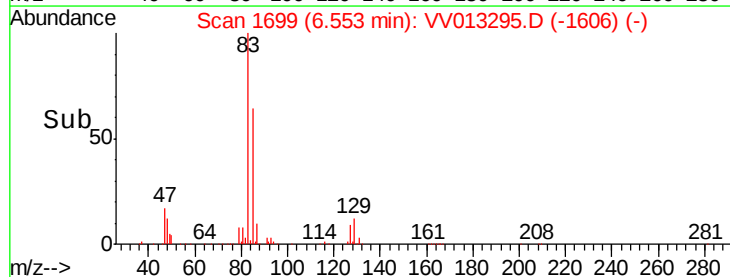
200000

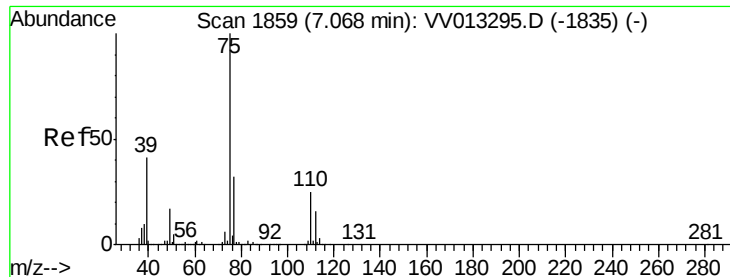
100000

0

6.50 6.60

Time-->





#39

cis-1,3-Dichloropropene

Concen: 50.563 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV013295.D

Acq: 23 Oct 2019 11:02

Instrument :

MSVOA_V

ClientSampleId :

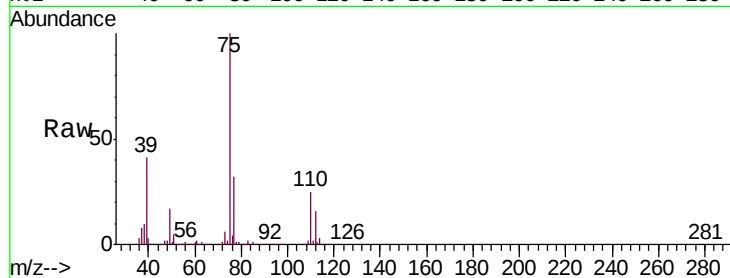
VSTD05061

Tgt Ion: 75 Resp: 706777

Ion Ratio Lower Upper

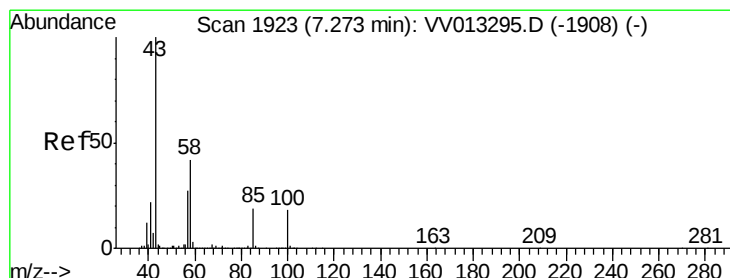
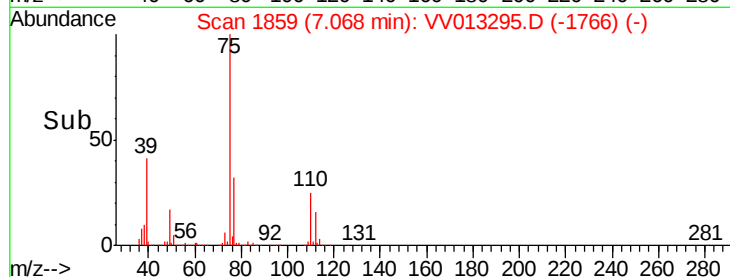
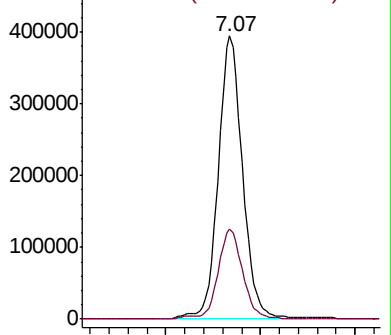
75 100

77 31.7 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#40

4-Methyl-2-pentanone

Concen: 95.402 ug/L

RT: 7.27 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VV013295.D

Acq: 23 Oct 2019 11:02

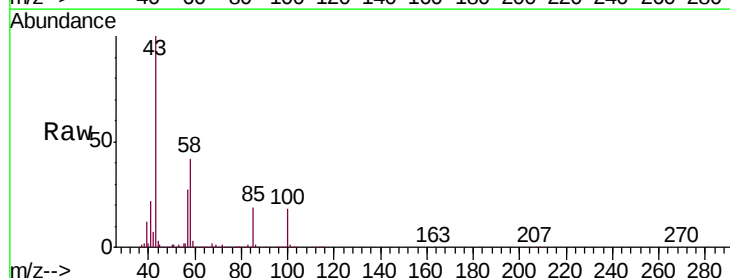
Tgt Ion: 43 Resp: 1162546

Ion Ratio Lower Upper

43 100

58 41.2 33.0 49.4

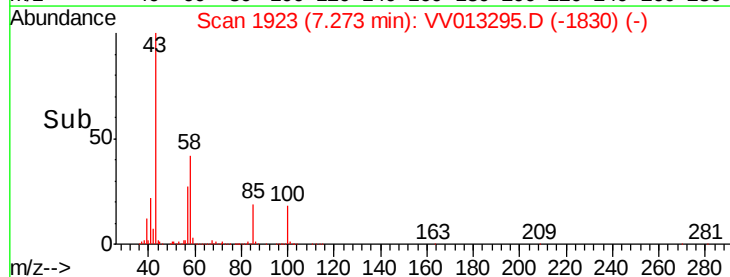
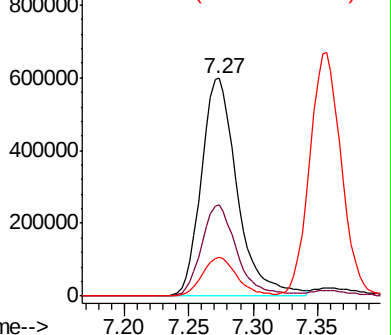
100 17.2 13.8 20.6

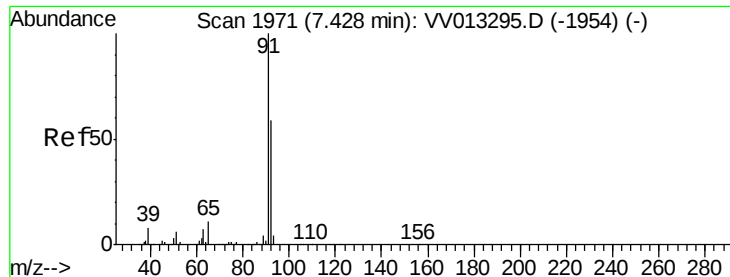


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#42

Toluene

Concen: 51.785 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013295.D

Acq: 23 Oct 2019 11:02

Instrument :

MSVOA_V

ClientSampleId :

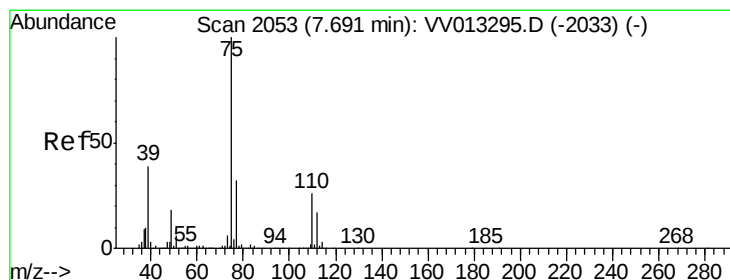
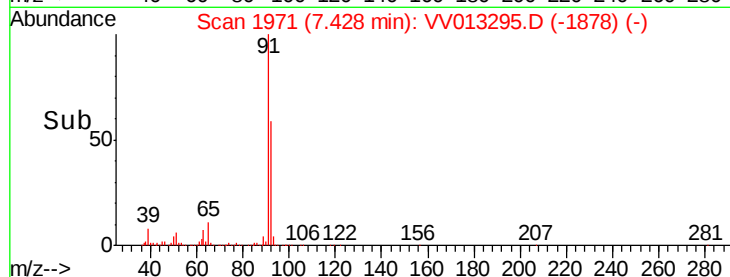
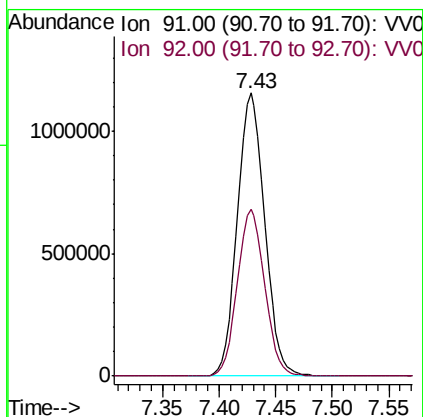
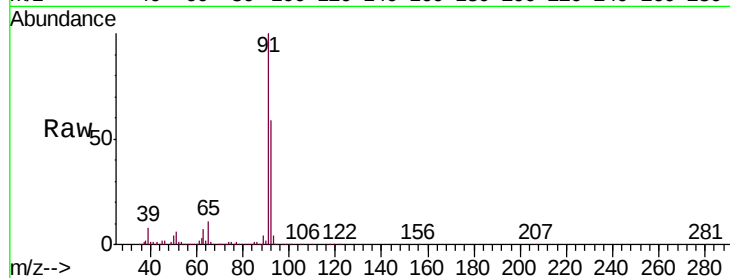
VSTD05061

Tgt Ion: 91 Resp: 1955336

Ion Ratio Lower Upper

91 100

92 59.2 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 49.713 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013295.D

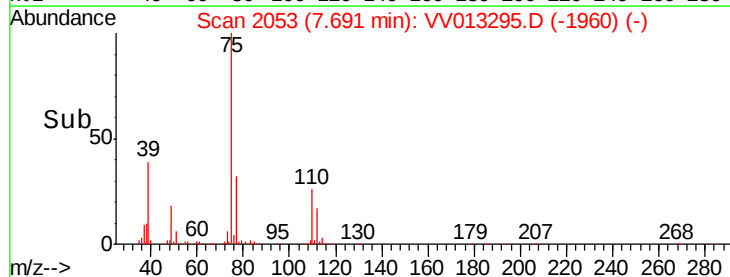
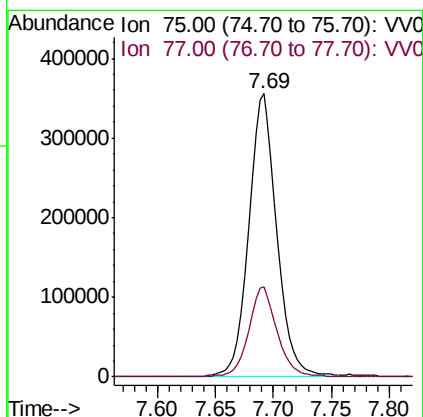
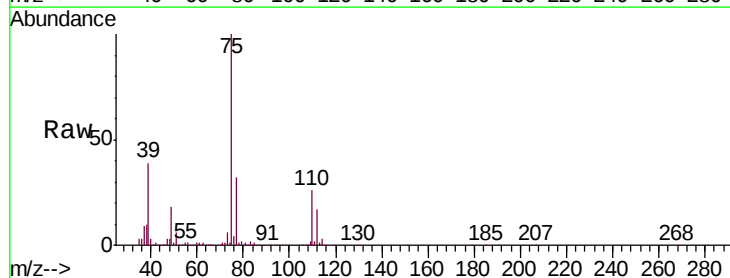
Acq: 23 Oct 2019 11:02

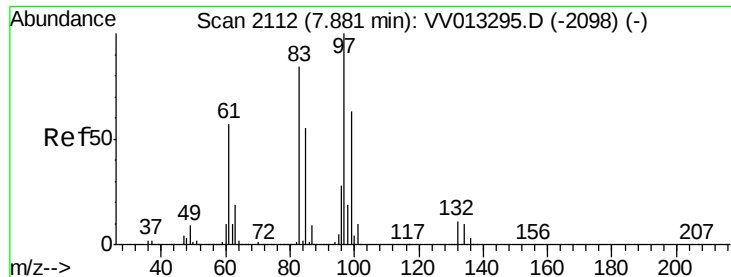
Tgt Ion: 75 Resp: 601540

Ion Ratio Lower Upper

75 100

77 31.7 22.2 41.2

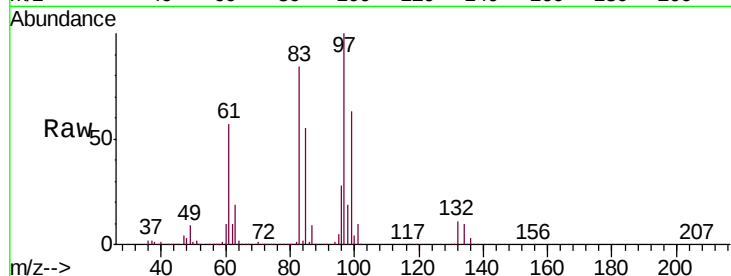




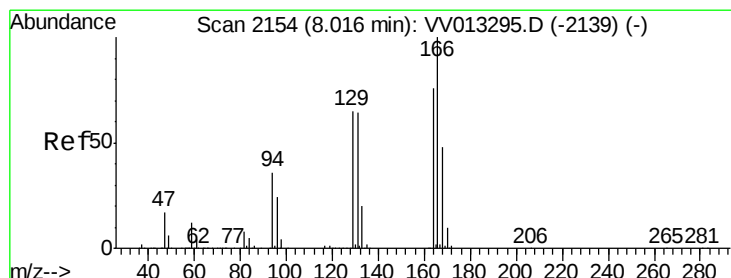
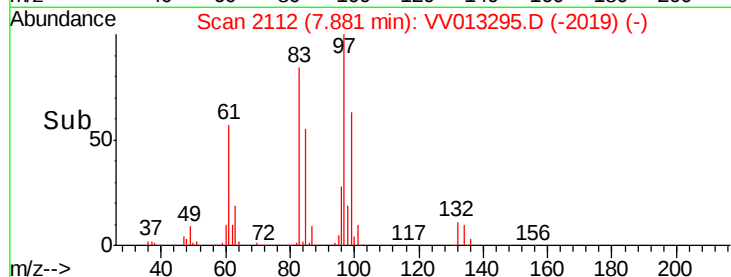
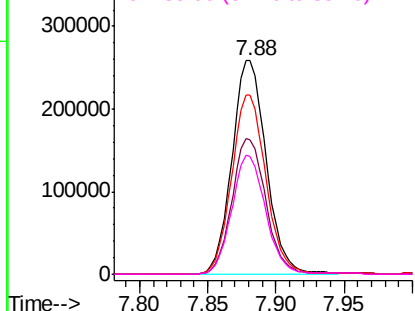
#45
 1,1,2-Trichloroethane
 Concen: 50.085 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV013295.D
 Acq: 23 Oct 2019 11:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

Tgt Ion:	97	Resp:	451458
Ion	Ratio	Lower	Upper
97	100		
99	63.0	44.1	81.9
83	84.1	58.9	109.3
85	55.2	38.6	71.8

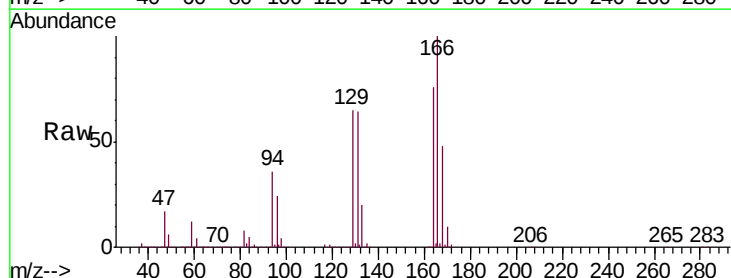


Abundance Ion 97.00 (96.70 to 97.70): VV013295.D (-2098) (-)
 Ion 99.00 (98.70 to 99.70): VV013295.D (-2098) (-)
 Ion 83.00 (82.70 to 83.70): VV013295.D (-2098) (-)
 Ion 85.00 (84.70 to 85.70): VV013295.D (-2098) (-)

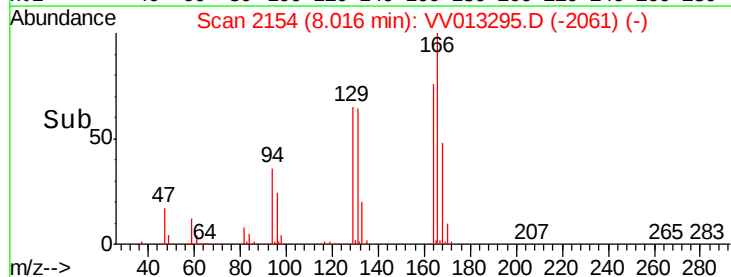
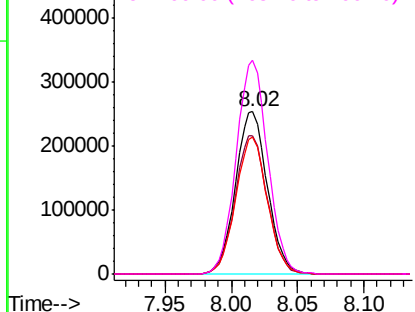


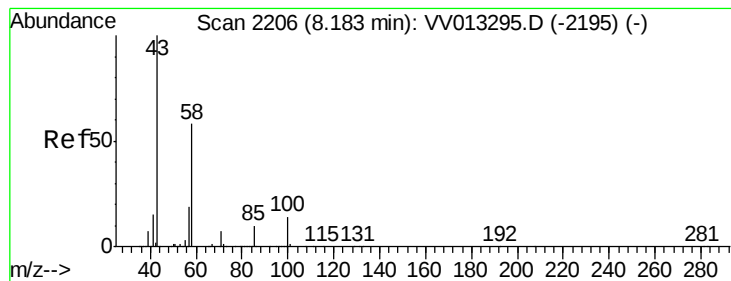
#46
 Tetrachloroethene
 Concen: 53.600 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013295.D
 Acq: 23 Oct 2019 11:02

Tgt Ion:	164	Resp:	422643
Ion	Ratio	Lower	Upper
164	100		
129	85.3	59.7	110.9
131	84.6	59.2	110.0
166	131.5	92.0	170.9



Abundance Ion 164.00 (163.70 to 164.70): VV013295.D (-2139) (-)
 Ion 129.00 (128.70 to 129.70): VV013295.D (-2139) (-)
 Ion 131.00 (130.70 to 131.70): VV013295.D (-2139) (-)
 Ion 166.00 (165.70 to 166.70): VV013295.D (-2139) (-)





#48

2-Hexanone

Concen: 103.518 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VV013295.D

Acq: 23 Oct 2019 11:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

Tgt Ion: 43 Resp: 993487

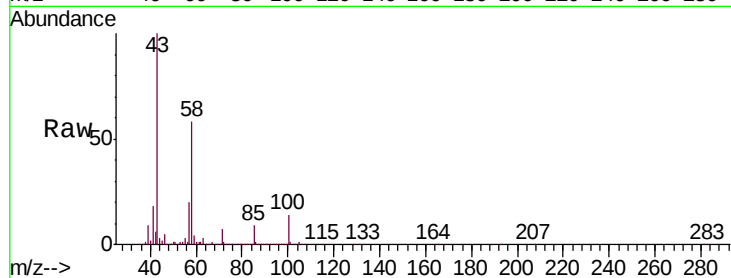
Ion Ratio Lower Upper

43 100

58 58.7 47.0 70.6

57 17.3 13.8 20.8

100 12.8 10.2 15.4

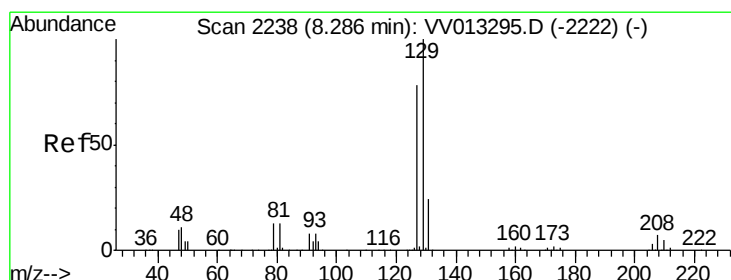
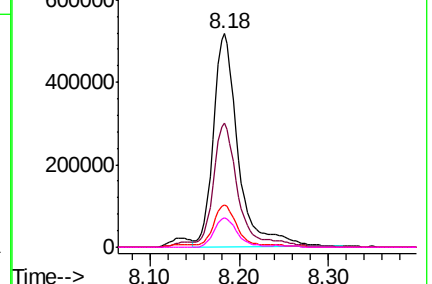
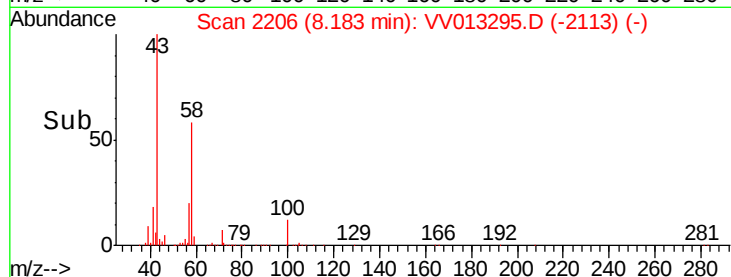


Abundance Ion 43.00 (42.70 to 43.70): VV013295.D (-2195) (-)

Ion 58.00 (57.70 to 58.70): VV013295.D (-2195) (-)

Ion 57.00 (56.70 to 57.70): VV013295.D (-2195) (-)

Ion 100.00 (99.70 to 100.70): VV013295.D (-2195) (-)



#49

Dibromochloromethane

Concen: 51.811 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. 0.00 min

Lab File: VV013295.D

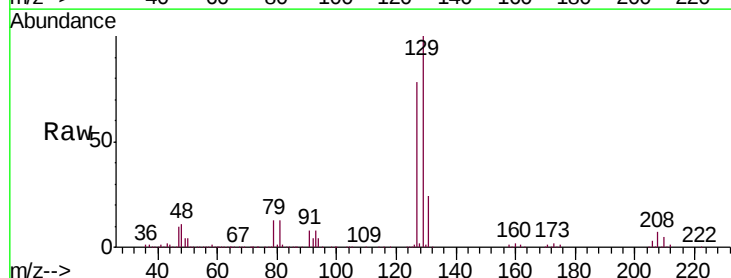
Acq: 23 Oct 2019 11:02

Tgt Ion: 129 Resp: 513314

Ion Ratio Lower Upper

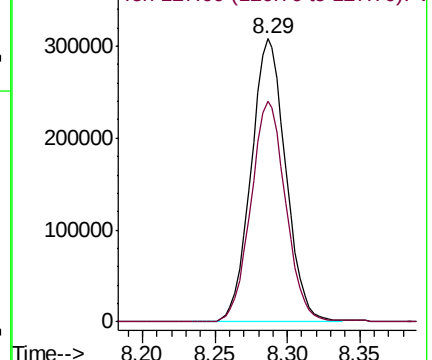
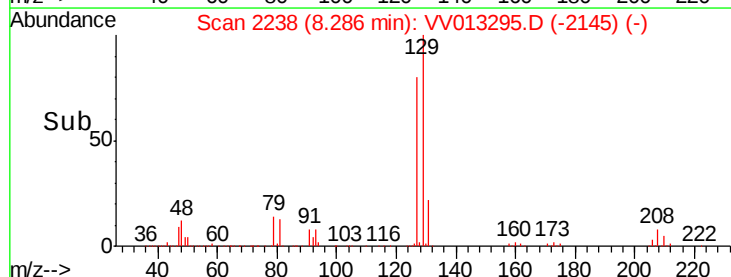
129 100

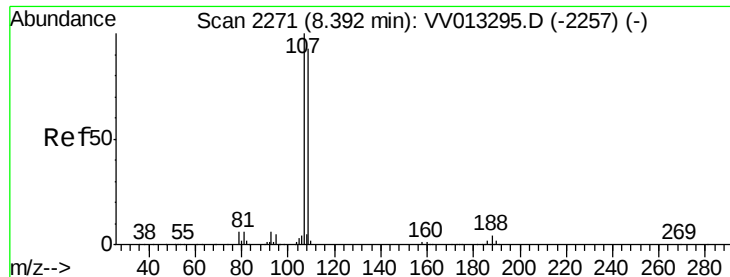
127 78.1 54.7 101.5



Abundance Ion 129.00 (128.70 to 129.70): VV013295.D (-2222) (-)

Ion 127.00 (126.70 to 127.70): VV013295.D (-2222) (-)

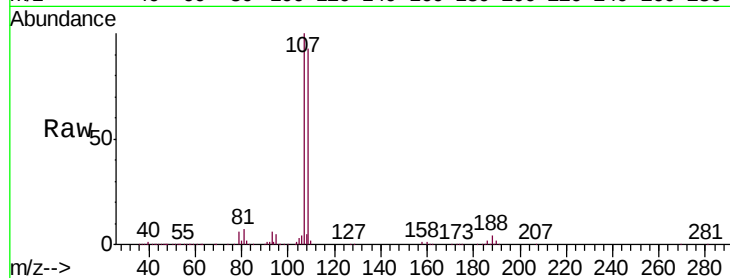




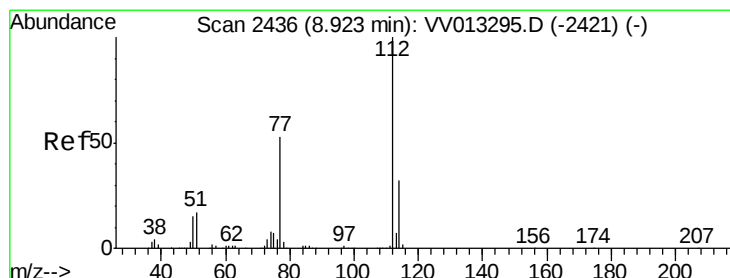
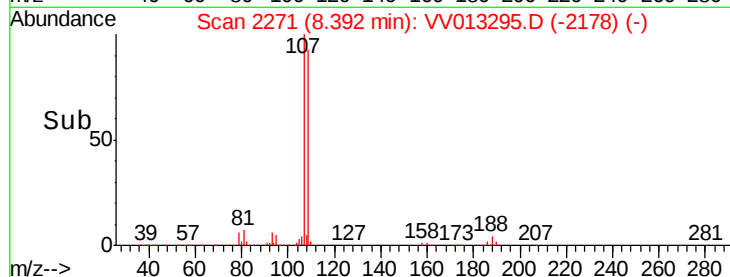
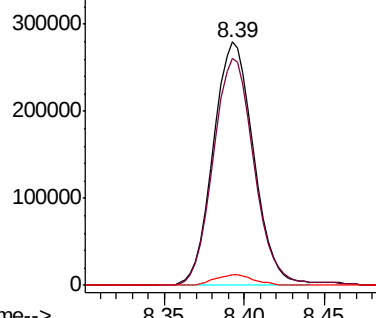
#50
 1,2-Dibromoethane
 Concen: 50.883 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV013295.D
 Acq: 23 Oct 2019 11:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

Tgt Ion:107 Resp: 482313
 Ion Ratio Lower Upper
 107 100
 109 93.4 65.4 121.4
 188 4.3 3.4 5.2

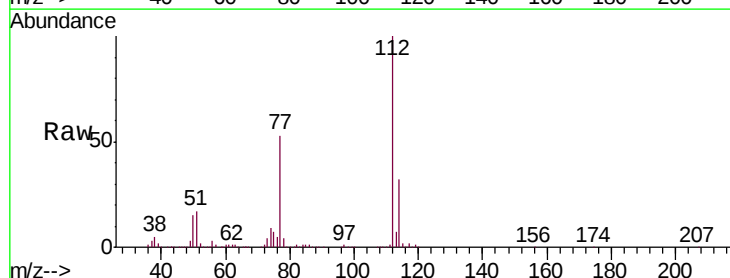


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

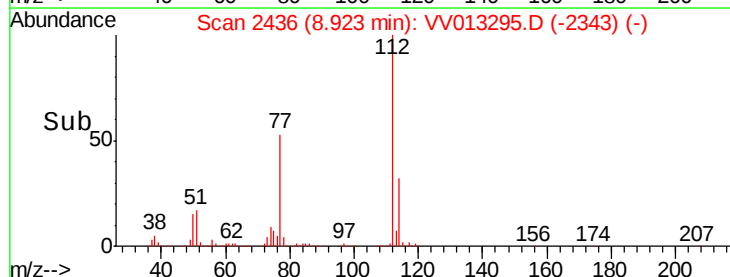
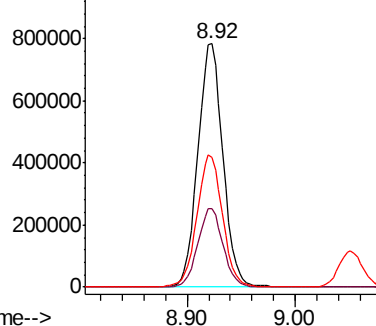


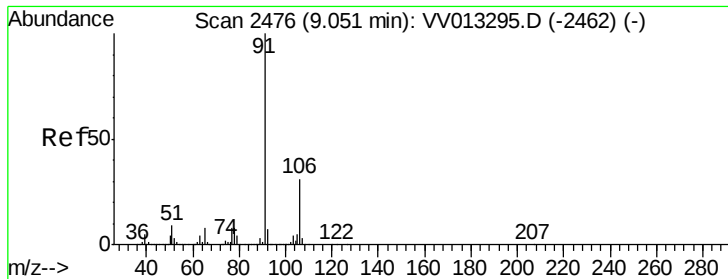
#51
 Chlorobenzene
 Concen: 50.973 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV013295.D
 Acq: 23 Oct 2019 11:02

Tgt Ion:112 Resp: 1271300
 Ion Ratio Lower Upper
 112 100
 114 32.5 22.7 42.3
 77 53.1 42.5 63.7



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 114.00 (113.70 to 114.70): V
 Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 51.932 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013295.D

Acq: 23 Oct 2019 11:02

Instrument :

MSVOA_V

ClientSampleId :

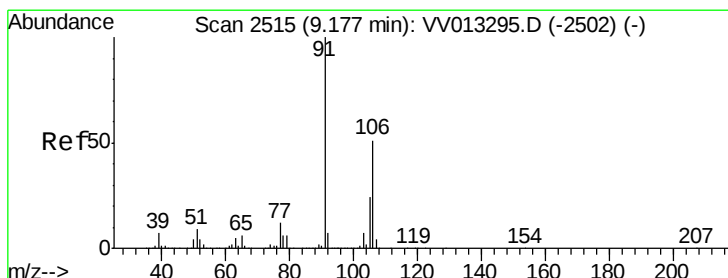
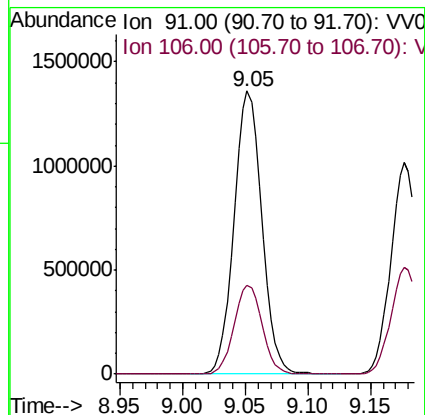
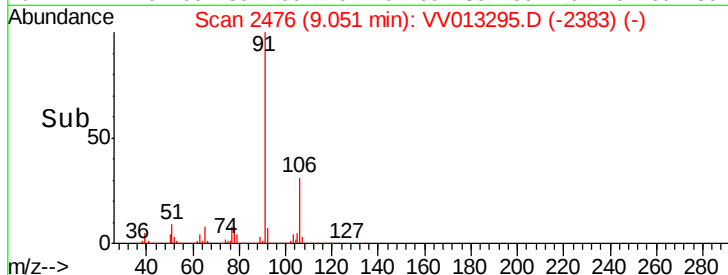
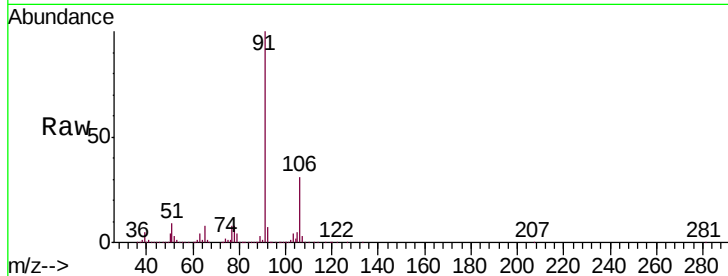
VSTD05061

Tgt Ion: 91 Resp: 2095848

Ion Ratio Lower Upper

91 100

106 31.4 22.0 40.8



#53

m,p-Xylene

Concen: 53.898 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013295.D

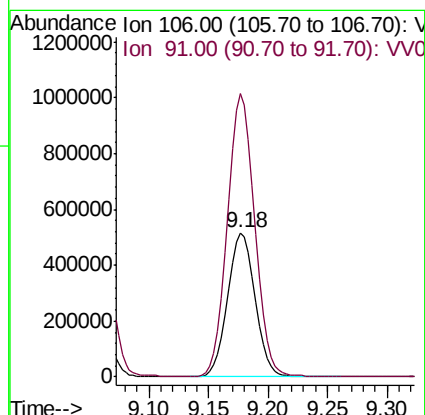
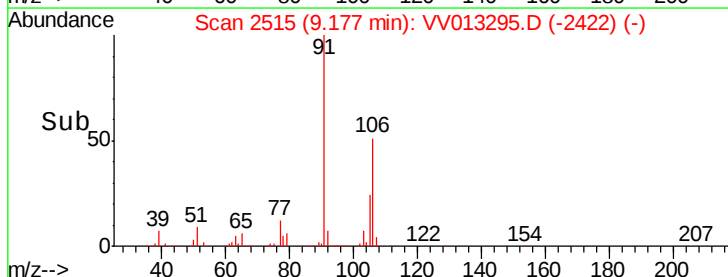
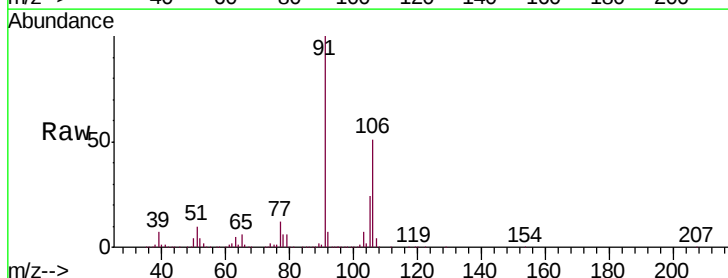
Acq: 23 Oct 2019 11:02

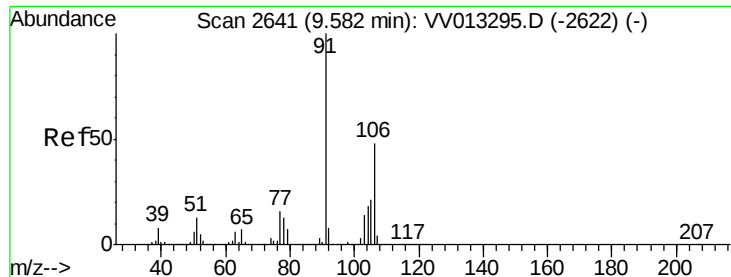
Tgt Ion: 106 Resp: 823199

Ion Ratio Lower Upper

106 100

91 196.7 137.7 255.7





#54

o-xylene

Concen: 52.127 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013295.D

Acq: 23 Oct 2019 11:02

Instrument :

MSVOA_V

ClientSampleId :

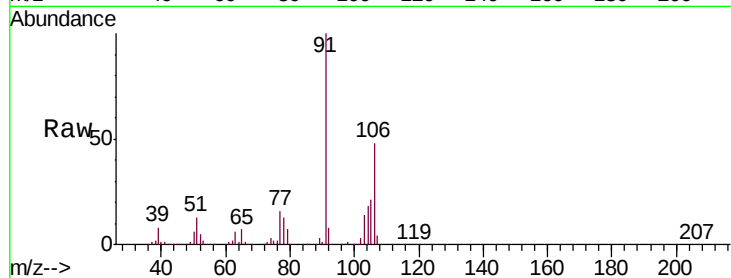
VSTD05061

Tgt Ion:106 Resp: 792905

Ion Ratio Lower Upper

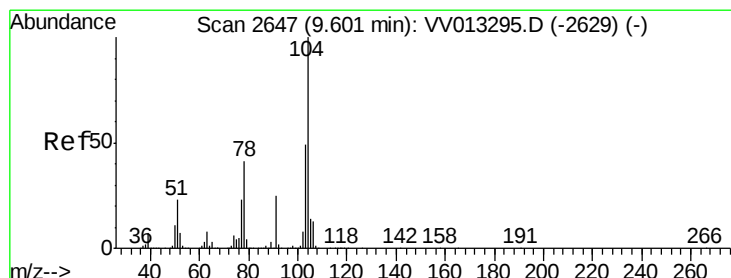
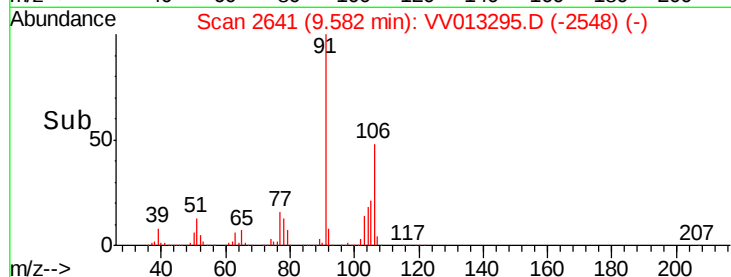
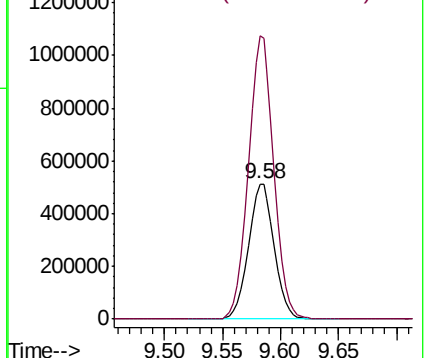
106 100

91 208.9 146.2 271.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 54.796 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013295.D

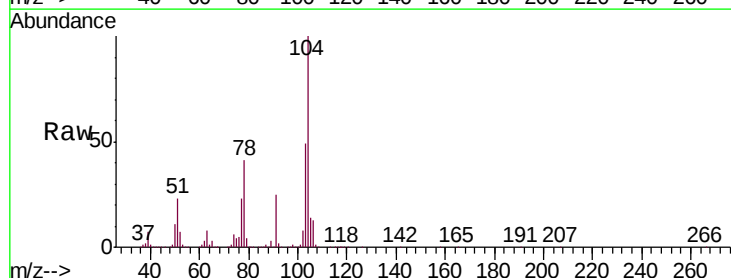
Acq: 23 Oct 2019 11:02

Tgt Ion:104 Resp: 1380865

Ion Ratio Lower Upper

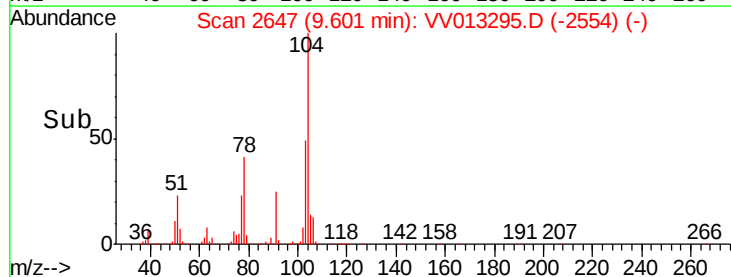
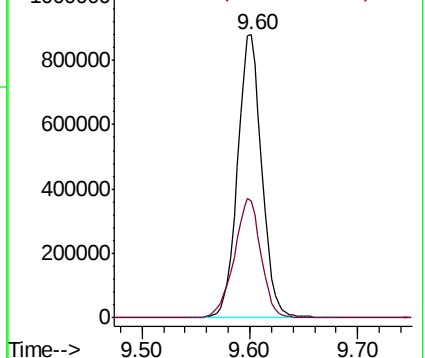
104 100

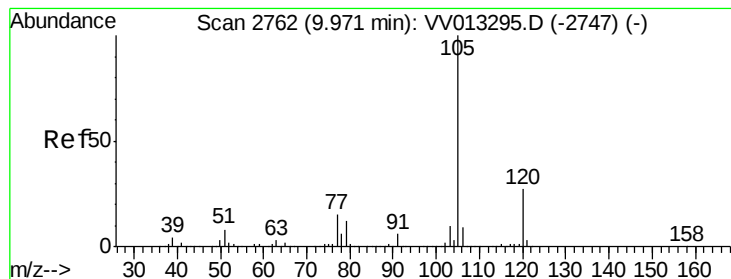
78 41.3 28.9 53.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 52.734 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013295.D

Acq: 23 Oct 2019 11:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

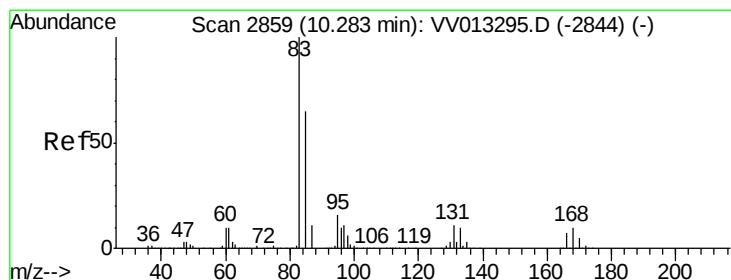
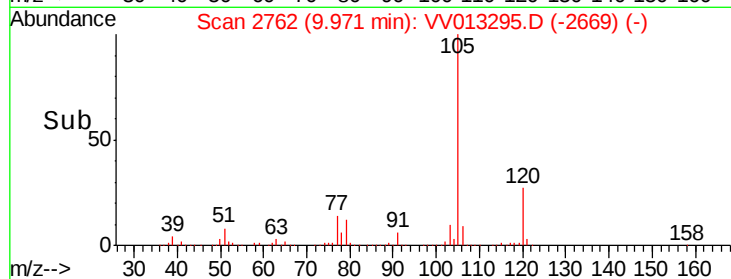
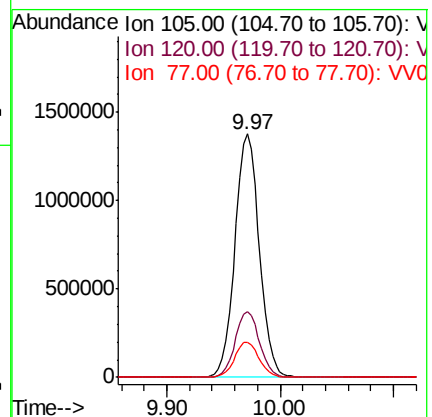
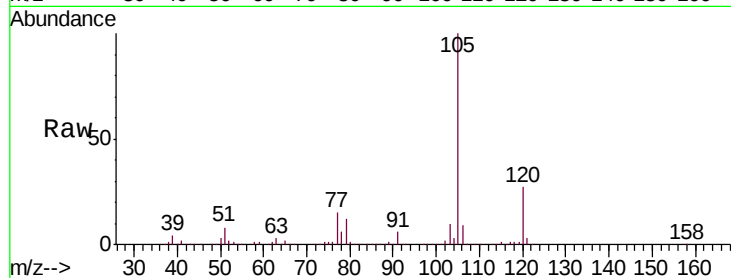
Tgt Ion: 105 Resp: 2061131

Ion Ratio Lower Upper

105 100

120 27.1 21.7 32.5

77 14.5 11.6 17.4



#58

1,1,2,2-Tetrachloroethane

Concen: 52.651 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013295.D

Acq: 23 Oct 2019 11:02

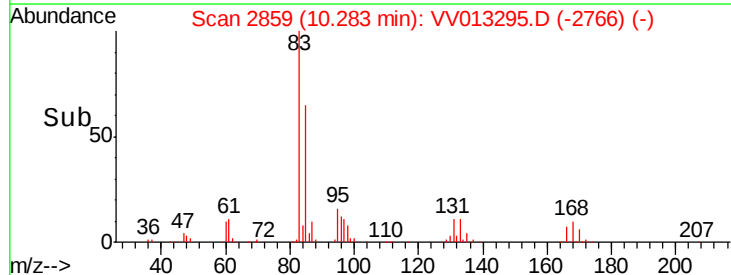
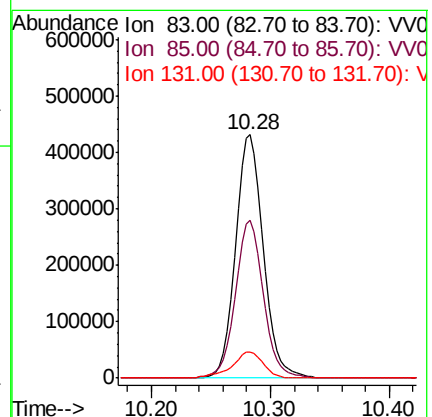
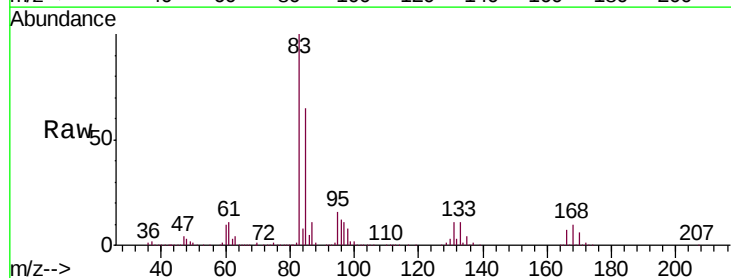
Tgt Ion: 83 Resp: 696970

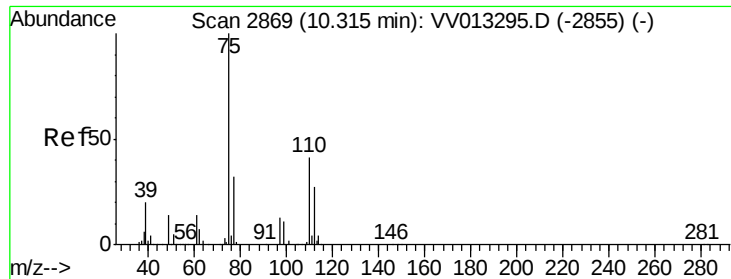
Ion Ratio Lower Upper

83 100

85 64.7 45.3 84.1

131 10.8 8.6 13.0

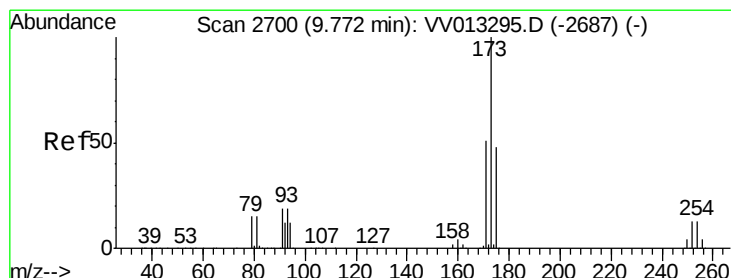
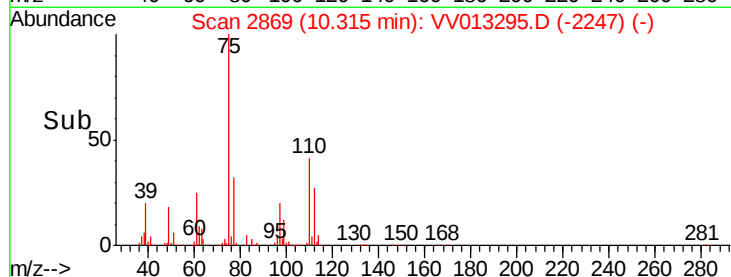
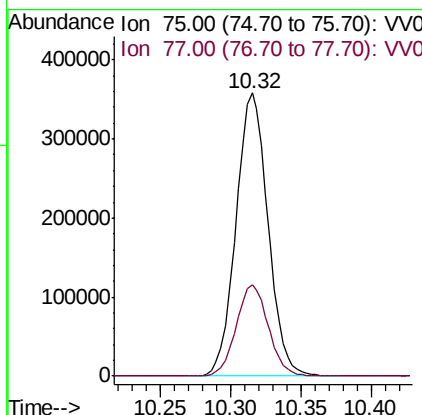
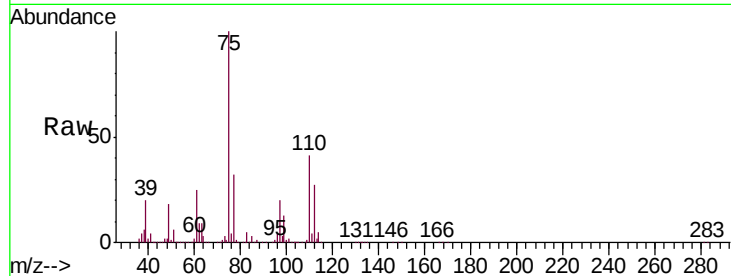




#59
 1,2,3-Trichloropropane
 Concen: 49.448 ug/L
 RT: 10.32 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VV013295.D
 Acq: 23 Oct 2019 11:02

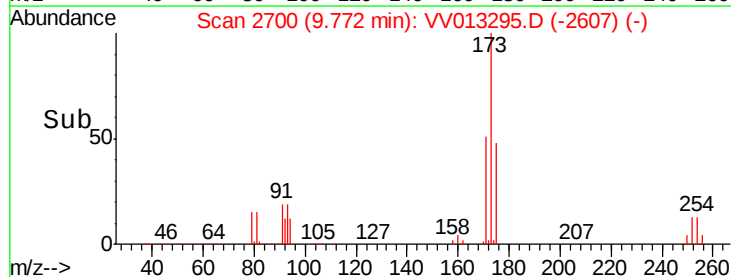
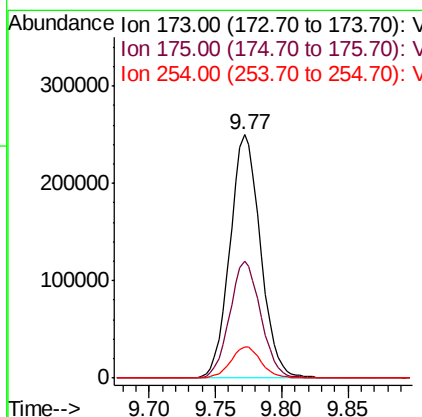
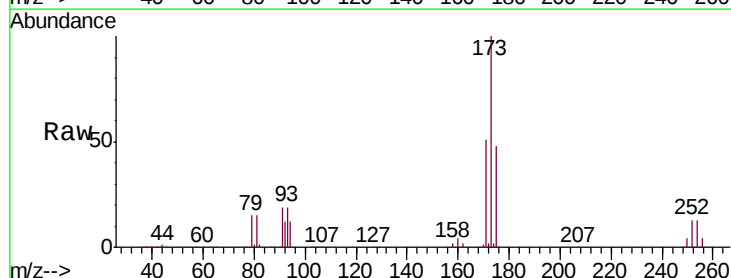
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

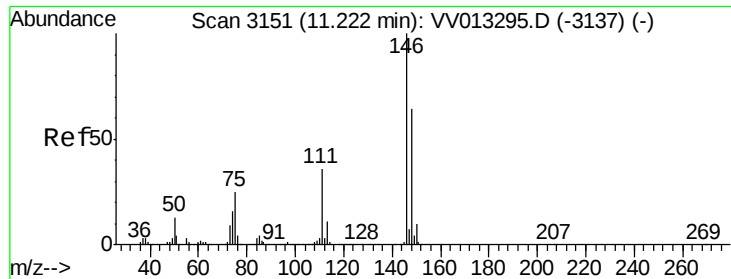
Tgt Ion: 75 Resp: 569988
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.7 38.5



#61
 Bromoform
 Concen: 50.143 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. 0.00 min
 Lab File: VV013295.D
 Acq: 23 Oct 2019 11:02

Tgt Ion: 173 Resp: 401227
 Ion Ratio Lower Upper
 173 100
 175 48.9 39.1 58.7
 254 12.8 10.2 15.4

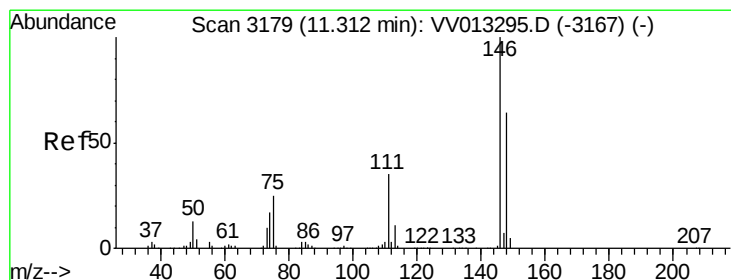
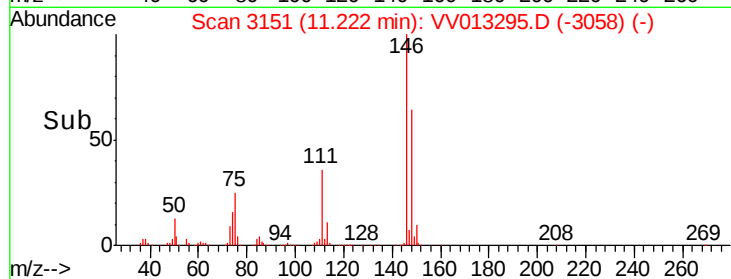
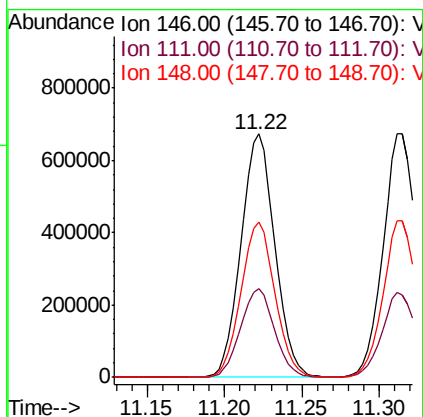
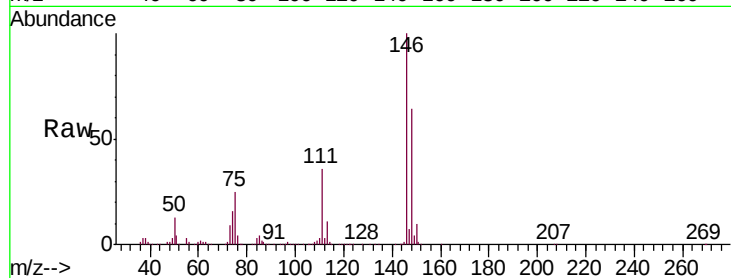




#62
 1,3-Dichlorobenzene
 Concen: 49.881 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV013295.D
 Acq: 23 Oct 2019 11:02

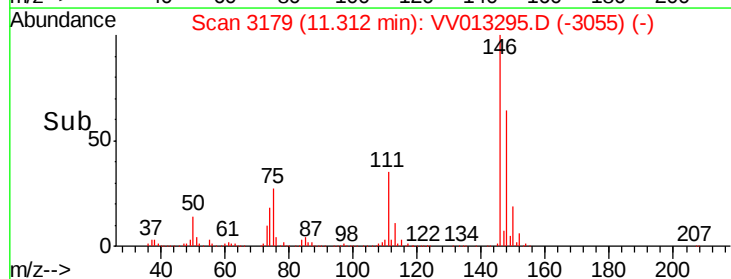
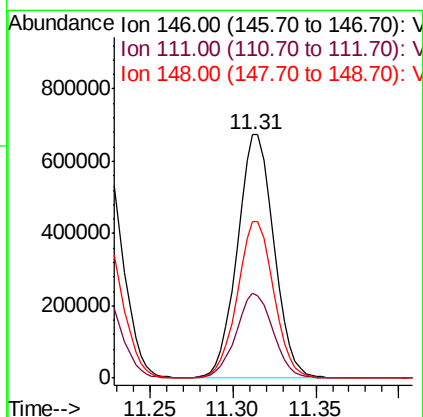
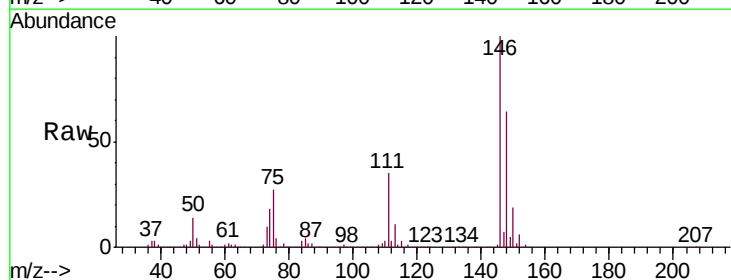
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

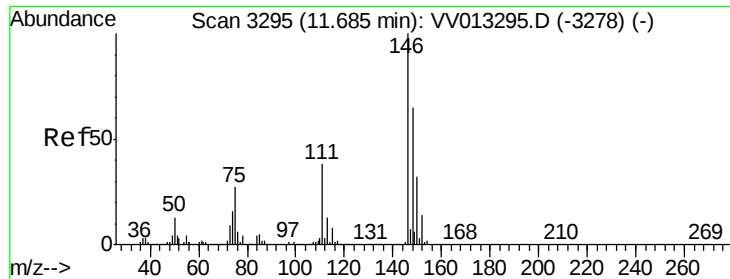
Tgt Ion:146 Resp: 1026407
 Ion Ratio Lower Upper
 146 100
 111 36.3 25.4 47.2
 148 64.0 44.8 83.2



#63
 1,4-Dichlorobenzene
 Concen: 50.037 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV013295.D
 Acq: 23 Oct 2019 11:02

Tgt Ion:146 Resp: 1036125
 Ion Ratio Lower Upper
 146 100
 111 35.0 24.5 45.5
 148 64.3 45.0 83.6

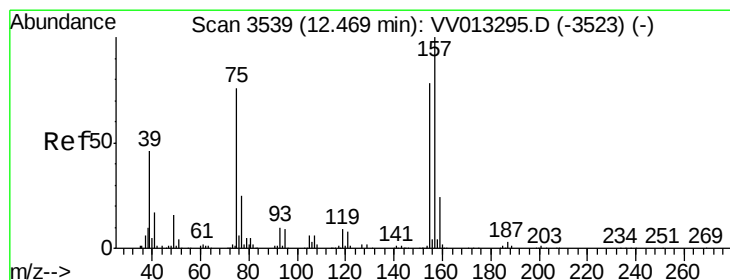
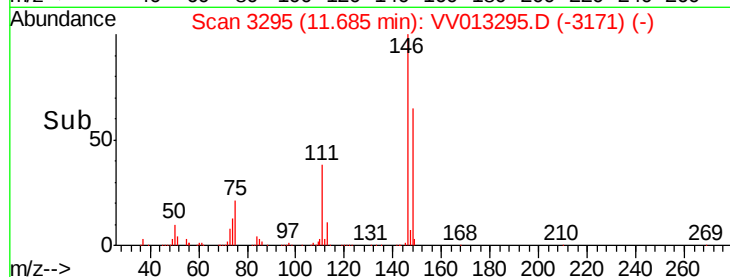
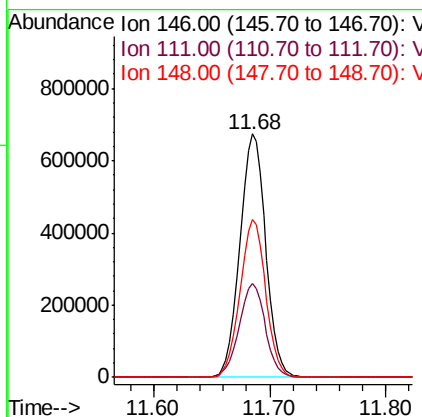
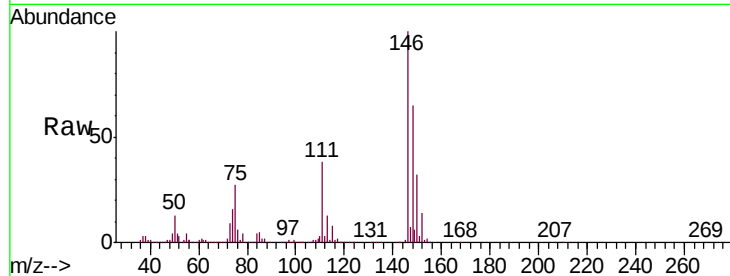




#65
 1,2-Dichlorobenzene
 Concen: 49.552 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013295.D
 Acq: 23 Oct 2019 11:02

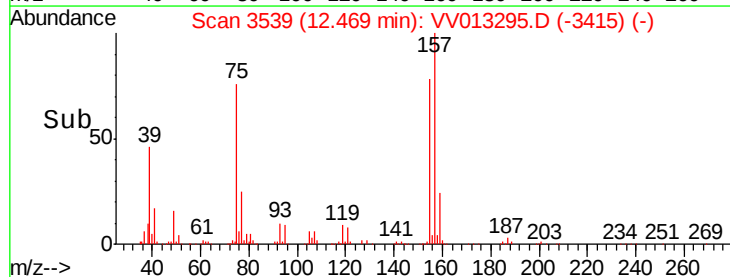
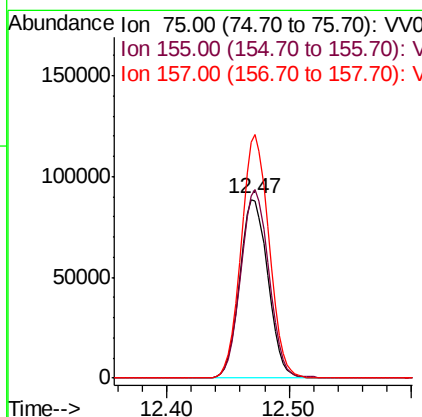
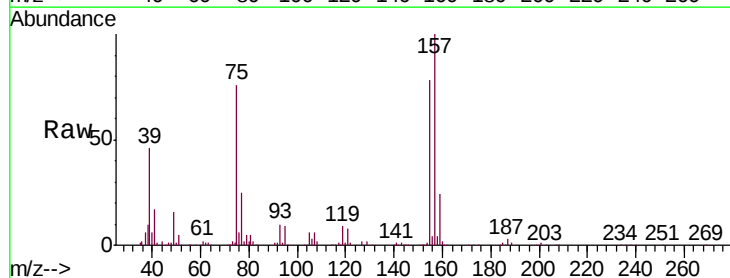
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

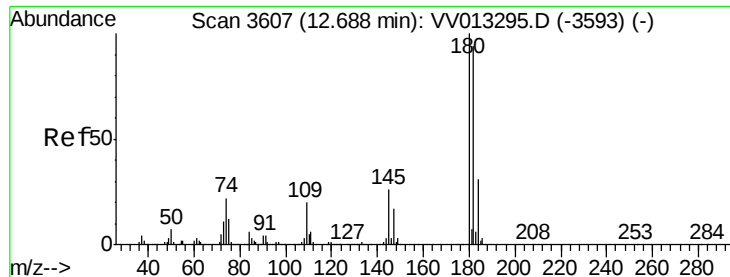
Tgt Ion:146 Resp: 1037490
 Ion Ratio Lower Upper
 146 100
 111 38.4 30.7 46.1
 148 65.0 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.148 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV013295.D
 Acq: 23 Oct 2019 11:02

Tgt Ion: 75 Resp: 141687
 Ion Ratio Lower Upper
 75 100
 155 102.3 81.8 122.8
 157 131.8 105.4 158.2

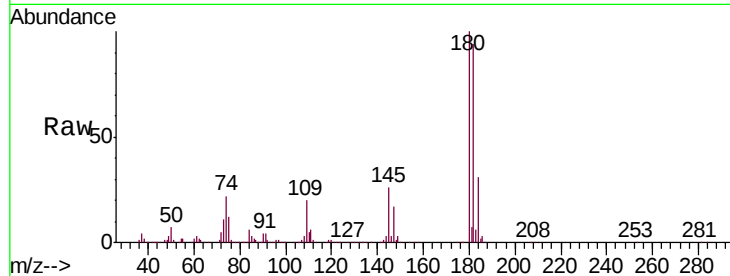




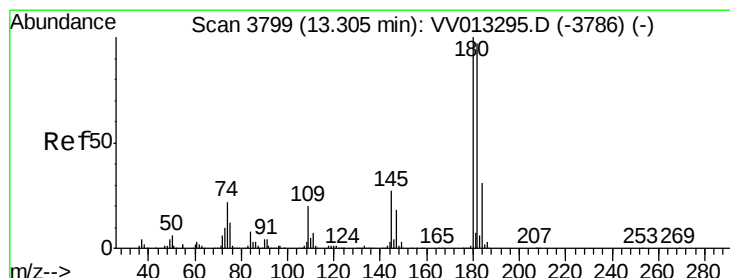
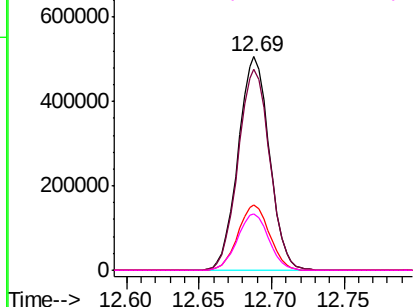
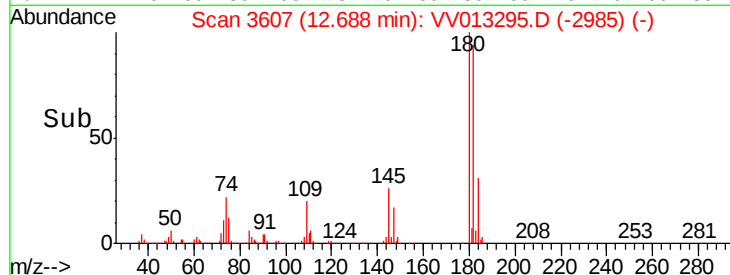
#67
 1,3,5-Trichlorobenzene
 Concen: 51.257 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013295.D
 Acq: 23 Oct 2019 11:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

Tgt Ion:	180	Resp:	758089
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.3	114.5
184	31.0	24.8	37.2
145	26.5	21.2	31.8

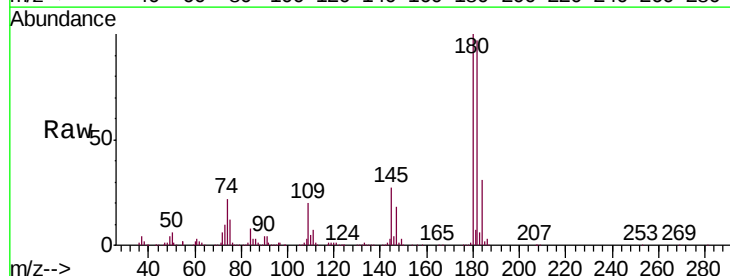


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

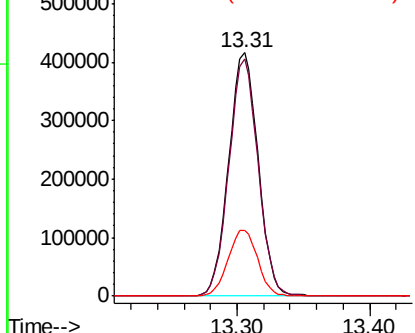
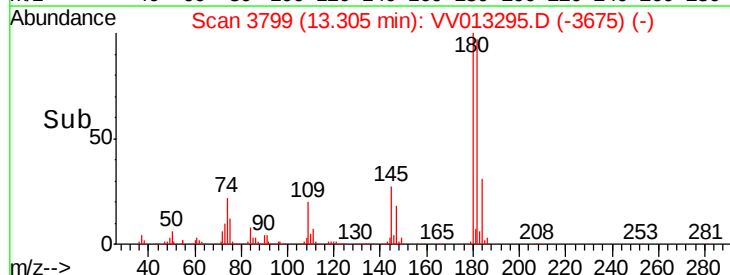


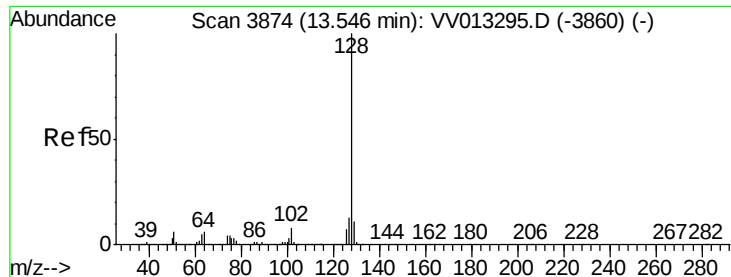
#68
 1,2,4-trichlorobenzene
 Concen: 50.765 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013295.D
 Acq: 23 Oct 2019 11:02

Tgt Ion:	180	Resp:	642225
Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.3	115.9
145	27.1	21.7	32.5



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

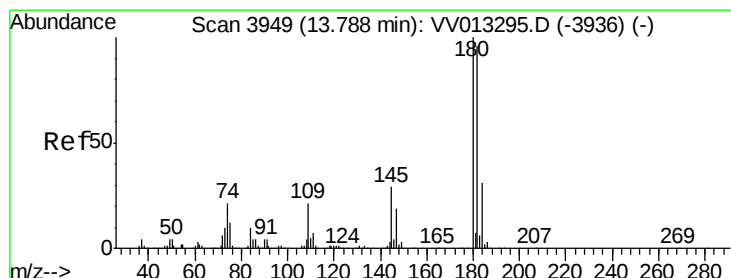
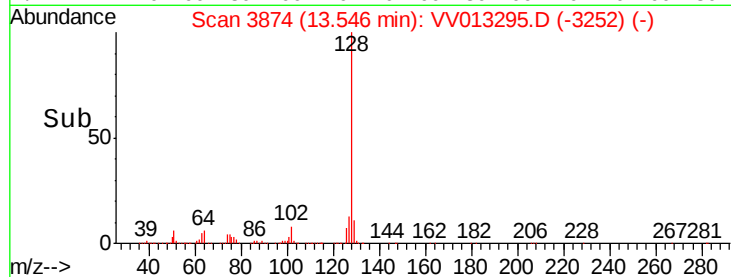
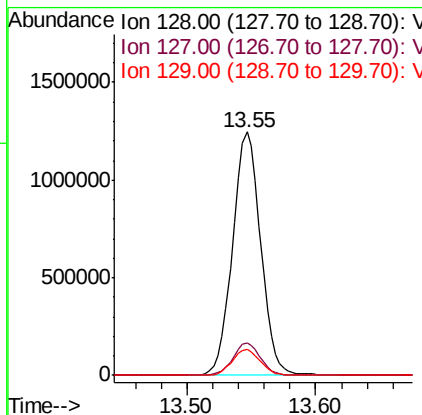
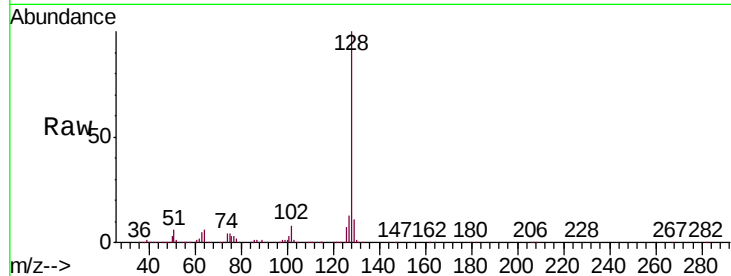




#69
Naphthalene
Concen: 54.160 ug/L
RT: 13.55 min Scan# 3874
Delta R.T. 0.00 min
Lab File: VV013295.D
Acq: 23 Oct 2019 11:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

Tgt Ion:128 Resp: 1884089
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.7 8.6 12.8



#70
1,2,3-Trichlorobenzene
Concen: 52.286 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. 0.00 min
Lab File: VV013295.D
Acq: 23 Oct 2019 11:02

Tgt Ion:180 Resp: 708332
Ion Ratio Lower Upper
180 100
182 96.3 77.0 115.6
145 29.3 23.4 35.2

