

Data File : VV013296.D
Acq On : 23 Oct 2019 11:26
Operator : SY/MD
Sample : VSTD10062
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10062

Quant Time: Oct 24 02:26:36 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	1342315	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	1270984	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	689977	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	822188	97.88	ug/L	0.00
7) Chloroethane-d5	1.58	69	643131	95.03	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	1180307	77.40	ug/L	0.00
21) 2-Butanone-d5	3.96	46	1316740	214.72	ug/L	0.00
24) Chloroform-d	4.40	84	1824903	109.98	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	1094424	108.04	ug/L	0.00
32) Benzene-d6	5.09	84	3780009	110.01	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	1154890	108.24	ug/L	0.00
41) Toluene-d8	7.36	98	3502967	113.26	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	548311	113.14	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	850323	212.56	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	1535203	110.69	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	1479727	108.32	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	1024781	96.621	ug/L	100
3) Chloromethane	1.25	50	783576	69.878	ug/L	100
5) Vinyl chloride	1.32	62	800950	73.639	ug/L	98
6) Bromomethane	1.53	94	429284	75.744	ug/L	99
8) Chloroethane	1.60	64	452619	71.293	ug/L	100
9) Trichlorofluoromethane	1.77	101	1112710	79.287	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	615050	74.605	ug/L	99
12) 1,1-Dichloroethene	2.13	96	588362	73.651	ug/L	91
13) Acetone	2.24	43	948779	172.879	ug/L	95
14) Carbon disulfide	2.31	76	2079509	86.518	ug/L	100
15) Methyl Acetate	2.47	43	912761	91.073	ug/L	96
16) Methylene chloride	2.53	84	921068	93.056	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	859008	95.233	ug/L	99
18) Methyl tert-butyl Ether	2.80	73	2627069	96.804	ug/L	100
19) 1,1-Dichloroethane	3.23	63	1553867	91.810	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	963903	94.616	ug/L	99
22) 2-Butanone	4.05	43	1482229	209.942	ug/L	97
23) Bromochloromethane	4.30	128	518212	99.008	ug/L	98
25) Chloroform	4.42	83	1585278	92.665	ug/L	100
27) 1,2-Dichloroethane	5.18	62	1187258	91.550	ug/L	98
29) Cyclohexane	4.72	56	1438114	95.311	ug/L	99
30) 1,1,1-Trichloroethane	4.65	97	1353323	95.556	ug/L	99
31) Carbon tetrachloride	4.87	117	1202885	95.313	ug/L	99
33) Benzene	5.14	78	3590677	93.181	ug/L	100
34) Trichloroethene	5.96	95	926102	90.542	ug/L	99
35) Methylcyclohexane	6.17	83	1509314	97.198	ug/L	99
37) 1,2-Dichloropropane	6.22	63	915091	92.167	ug/L	99
38) Bromodichloromethane	6.55	83	1190666	93.628	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	1463469	99.740	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	2472312	193.278	ug/L	100

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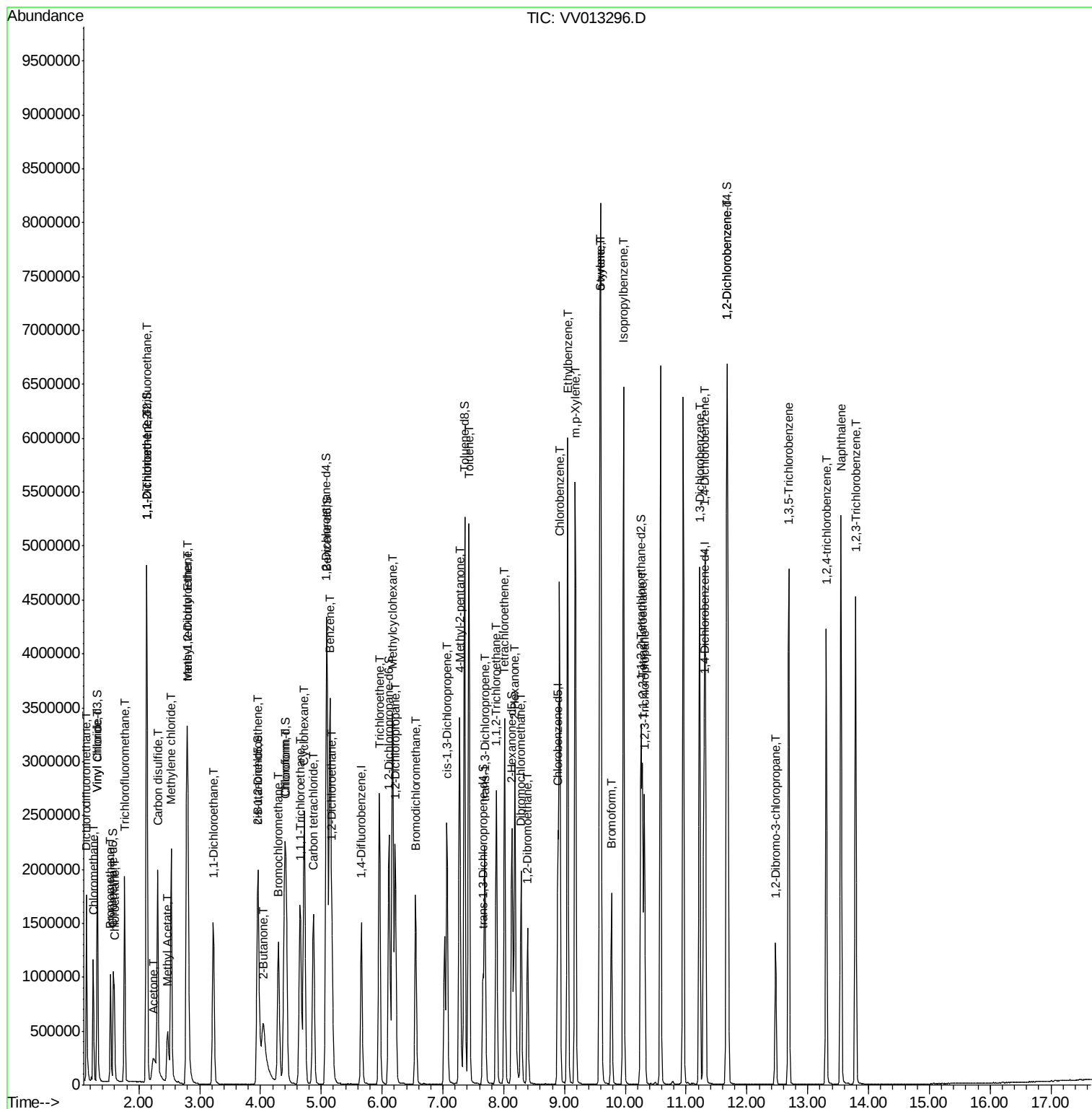
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	3760746	94.884	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	1249499	98.374	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	883111	93.335	ug/L	99
46) Tetrachloroethene	8.02	164	838345	101.286	ug/L	100
48) 2-Hexanone	8.18	43	2003014	198.825	ug/L	98
49) Dibromochloromethane	8.29	129	1037555	99.766	ug/L	99
50) 1,2-Dibromoethane	8.39	107	964259	96.911	ug/L	99
51) Chlorobenzene	8.92	112	2524095	96.412	ug/L	99
52) Ethylbenzene	9.05	91	4120731	97.271	ug/L	98
53) m,p-Xylene	9.18	106	1631385	101.756	ug/L	98
54) o-xylene	9.58	106	1603281	100.411	ug/L	99
55) Styrene	9.60	104	2756261	104.196	ug/L	99
56) Isopropylbenzene	9.97	105	4139729	100.899	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	1370047	98.597	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	1105360	91.352	ug/L	100
61) Bromoform	9.77	173	827405	95.522	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	2064860	92.697	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	2082828	92.916	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	2083249	91.915	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	291842	89.712	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	1599307	99.891	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	1410512	102.994	ug/L	99
69) Naphthalene	13.55	128	4173634	110.829	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	1494393	101.900	ug/L	99

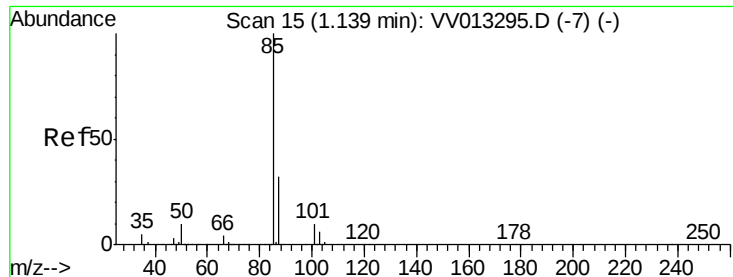
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 96.621 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013296.D

Acq: 23 Oct 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

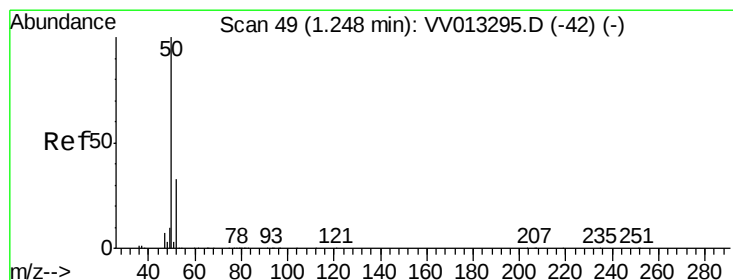
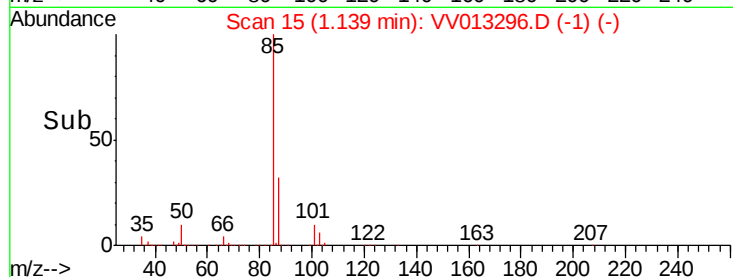
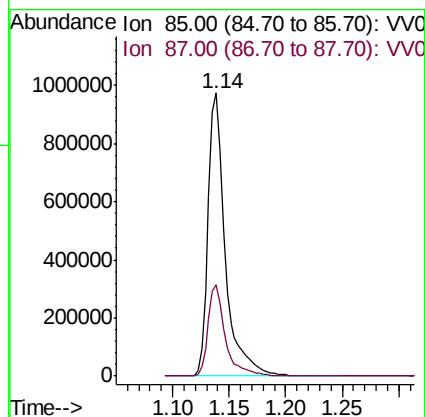
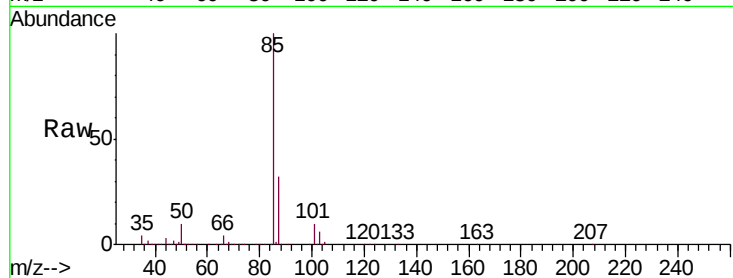
VSTD10062

Tgt Ion: 85 Resp: 1024781

Ion Ratio Lower Upper

85 100

87 32.1 25.8 38.8



#3

Chloromethane

Concen: 69.878 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV013296.D

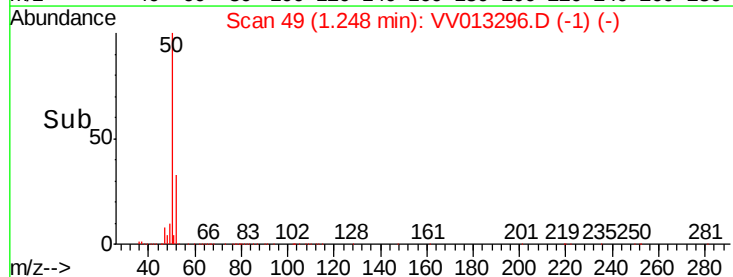
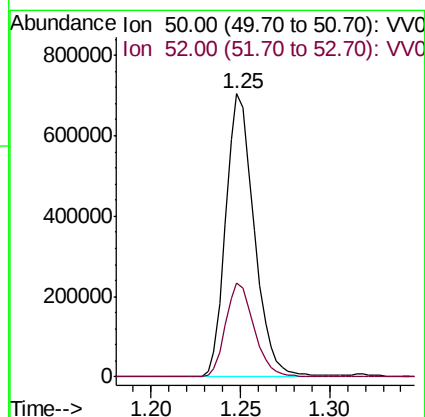
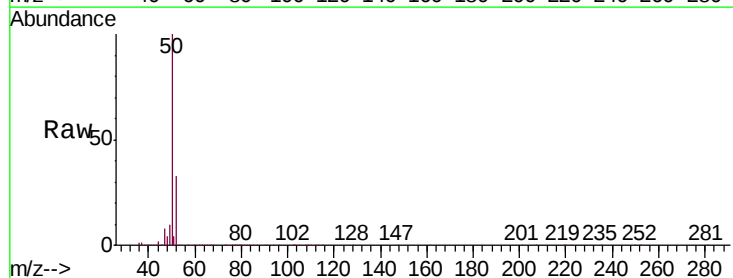
Acq: 23 Oct 2019 11:26

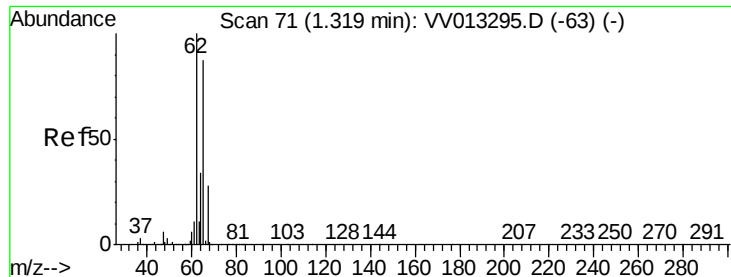
Tgt Ion: 50 Resp: 783576

Ion Ratio Lower Upper

50 100

52 33.2 23.2 43.2





#5

Vinyl chloride

Concen: 73.639 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013296.D

Acq: 23 Oct 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

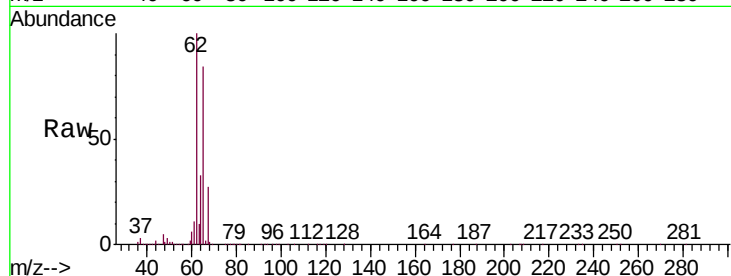
VSTD10062

Tgt Ion: 62 Resp: 800950

Ion Ratio Lower Upper

62 100

64 32.9 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

800000

600000

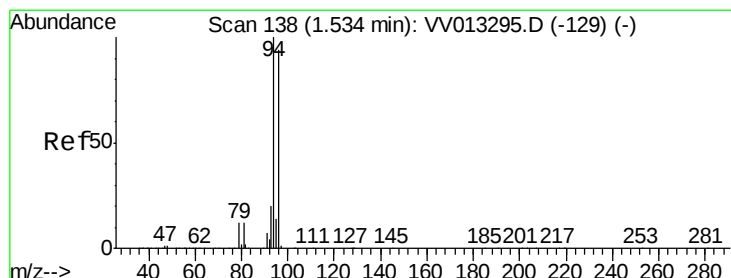
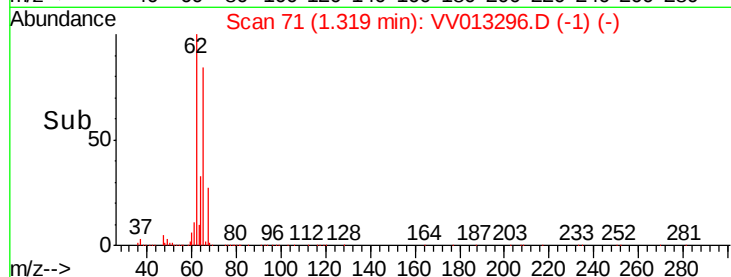
400000

200000

0

1.30 1.40

Time-->



#6

Bromomethane

Concen: 75.744 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013296.D

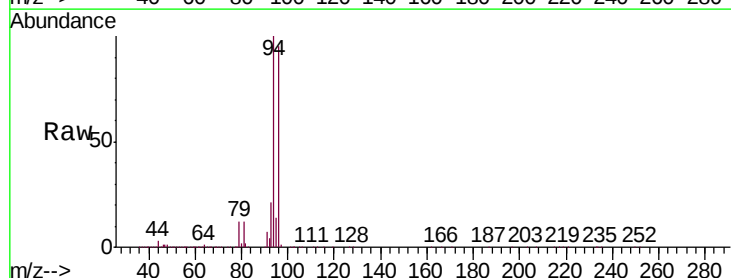
Acq: 23 Oct 2019 11:26

Tgt Ion: 94 Resp: 429284

Ion Ratio Lower Upper

94 100

96 95.2 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

400000

300000

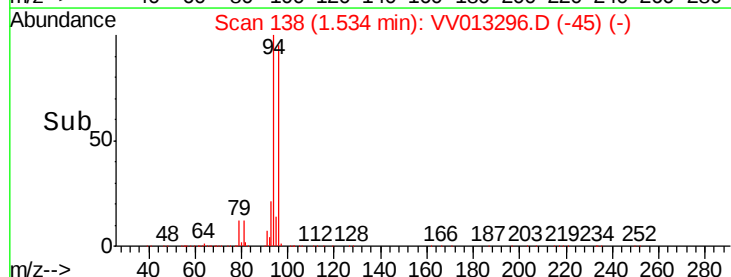
200000

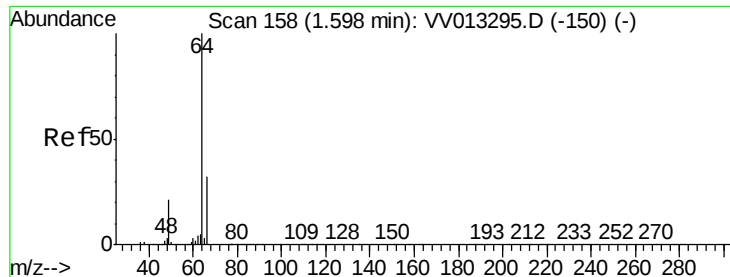
100000

0

1.45 1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 71.293 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV013296.D

Acq: 23 Oct 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

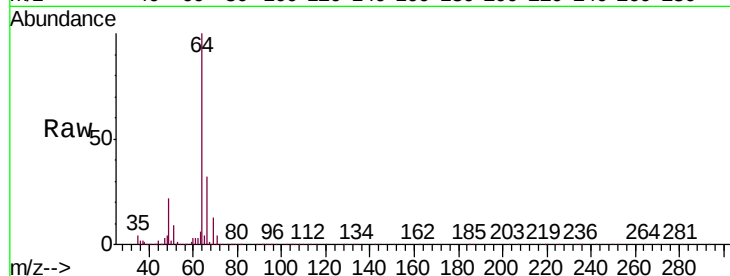
VSTD10062

Tgt Ion: 64 Resp: 452619

Ion Ratio Lower Upper

64 100

66 31.7 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV013296.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV013296.D (-150) (-)

1.60

400000

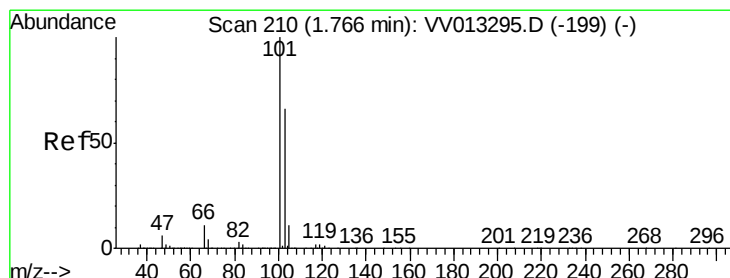
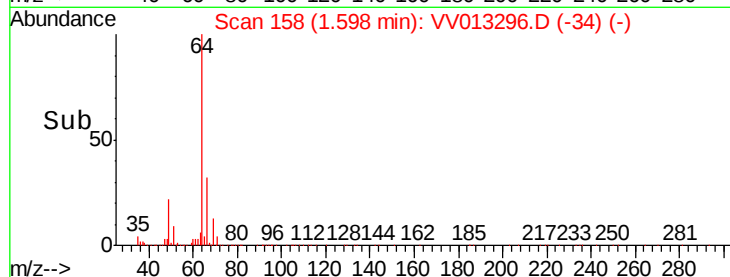
300000

200000

100000

0

Time-->



#9

Trichlorofluoromethane

Concen: 79.287 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV013296.D

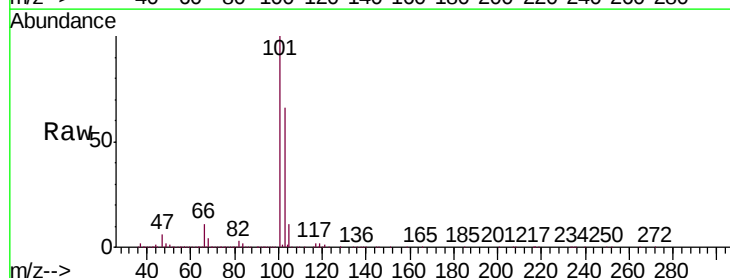
Acq: 23 Oct 2019 11:26

Tgt Ion: 101 Resp: 1112710

Ion Ratio Lower Upper

101 100

103 65.6 53.0 79.4



Abundance Ion 101.00 (100.70 to 101.70): VV013296.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV013296.D (-199) (-)

1.77

1000000

800000

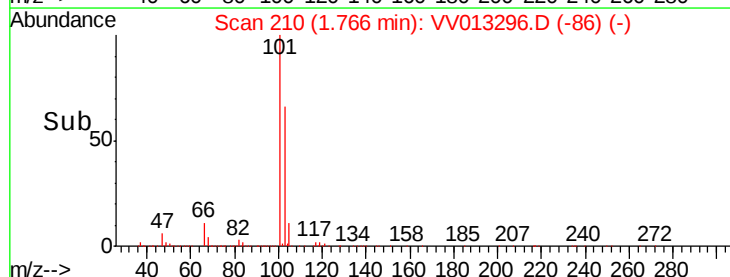
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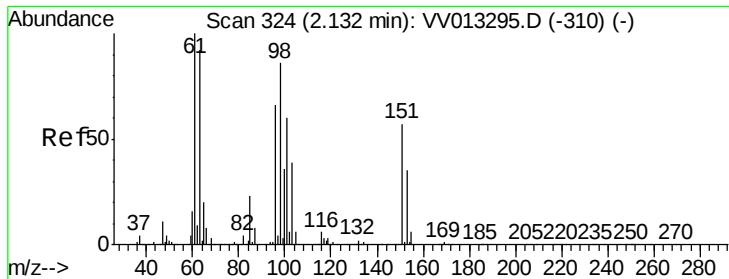
400000

200000

0

Time-->





#10

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

Concen: 74.605 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV013296.D

Acq: 23 Oct 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD10062

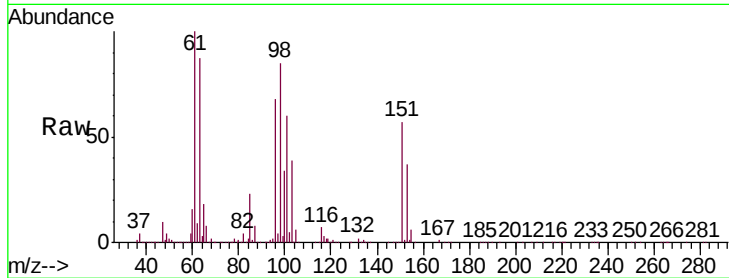
Tgt Ion: 101 Resp: 615050

Ion Ratio Lower Upper

101 100

85 38.3 31.4 47.2

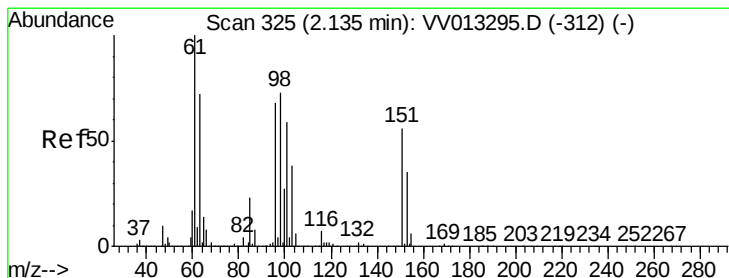
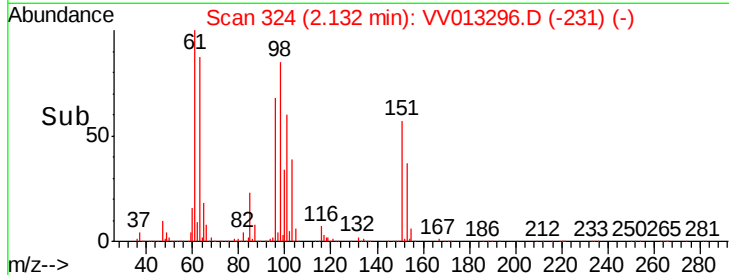
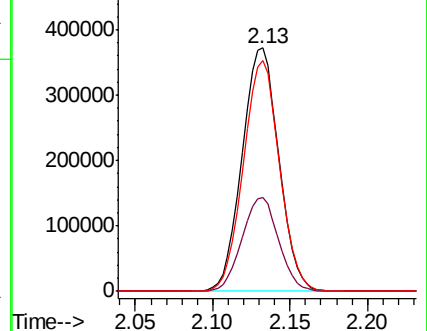
151 93.4 74.6 112.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 73.651 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013296.D

Acq: 23 Oct 2019 11:26

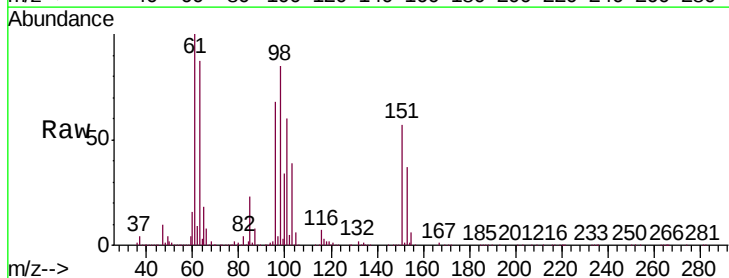
Tgt Ion: 96 Resp: 588362

Ion Ratio Lower Upper

96 100

61 147.0 103.3 191.8

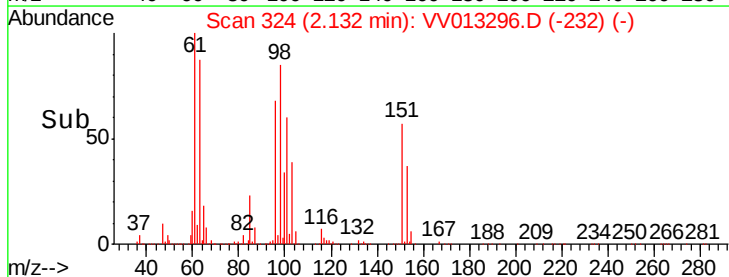
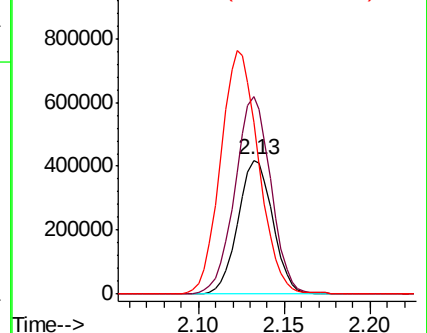
63 128.6 74.8 138.8

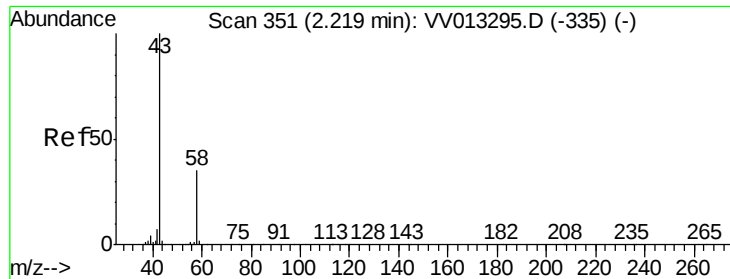


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

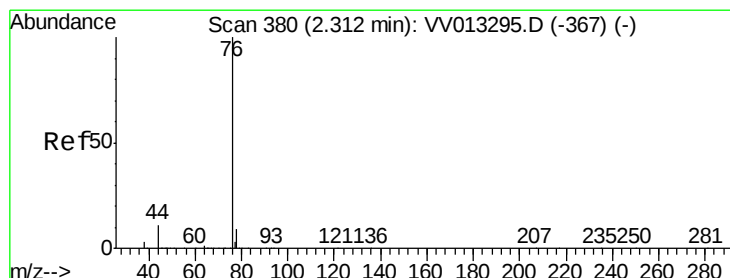
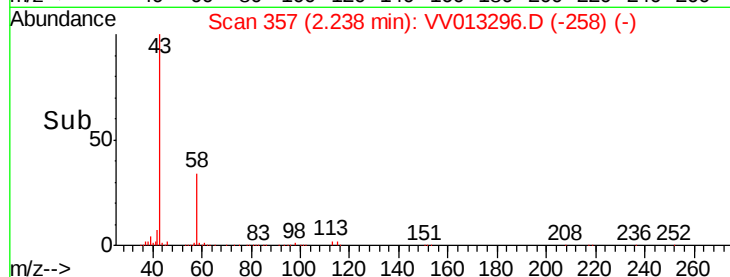
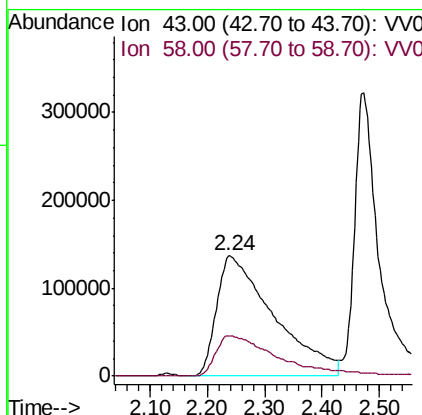
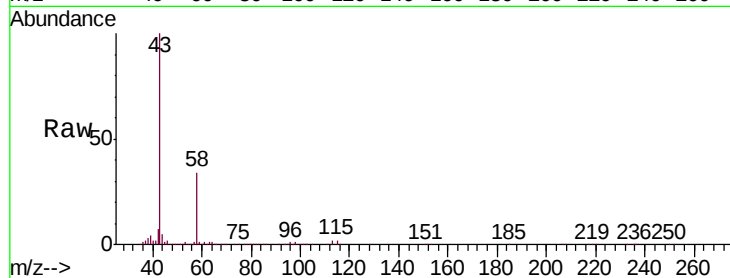




#13
Acetone
Concen: 172.879 ug/L
RT: 2.24 min Scan# 357
Delta R.T. 0.02 min
Lab File: VV013296.D
Acq: 23 Oct 2019 11:26

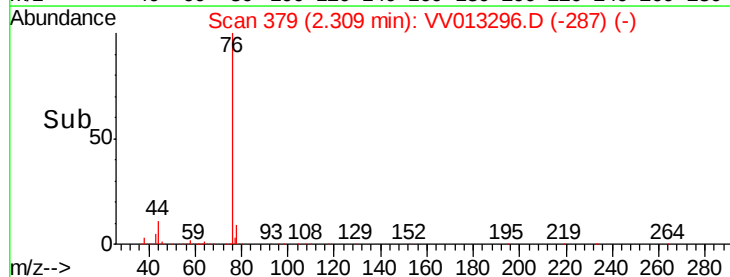
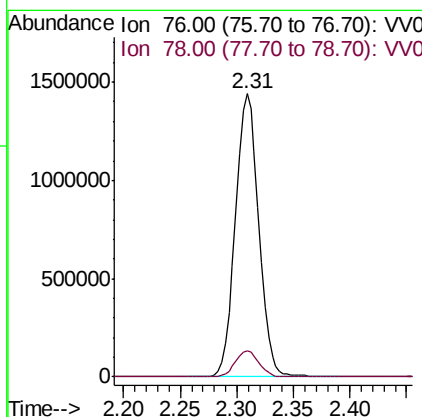
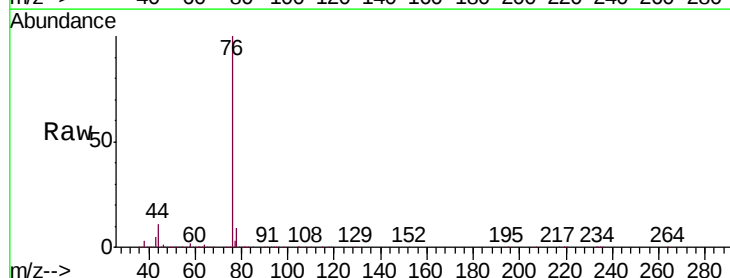
Instrument :
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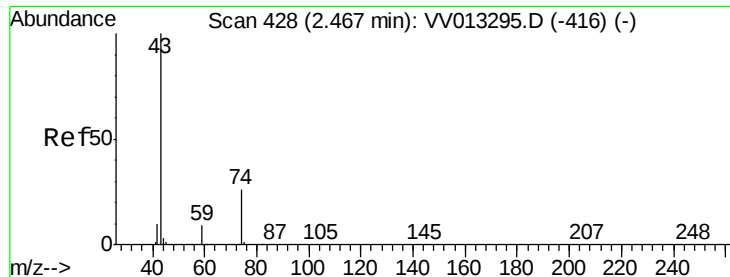
Tgt Ion: 43 Resp: 948779
Ion Ratio Lower Upper
43 100
58 29.0 0.0 64.0



#14
Carbon disulfide
Concen: 86.518 ug/L
RT: 2.31 min Scan# 379
Delta R.T. -0.00 min
Lab File: VV013296.D
Acq: 23 Oct 2019 11:26

Tgt Ion: 76 Resp: 2079509
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0

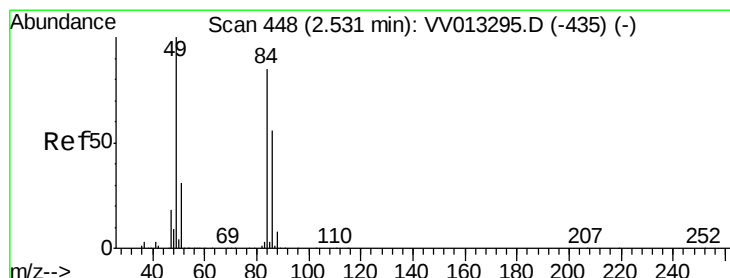
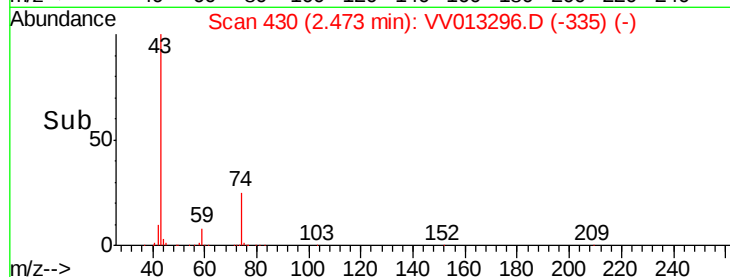
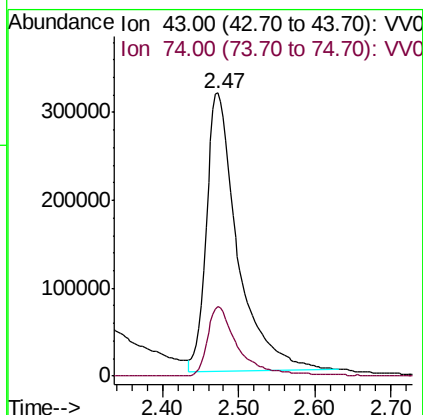
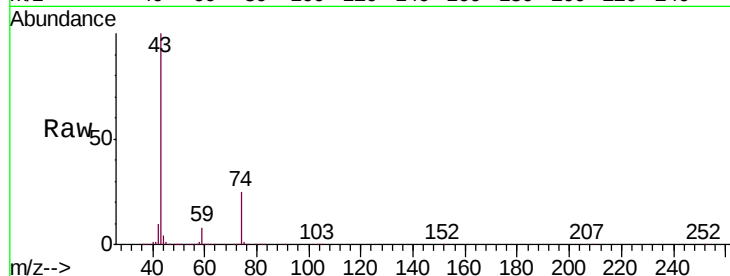




#15
Methyl Acetate
Concen: 91.073 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.01 min
Lab File: VV013296.D
Acq: 23 Oct 2019 11:26

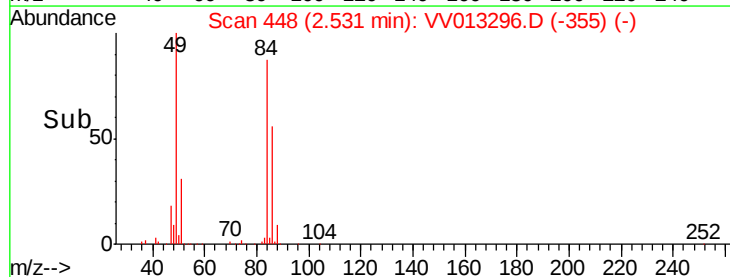
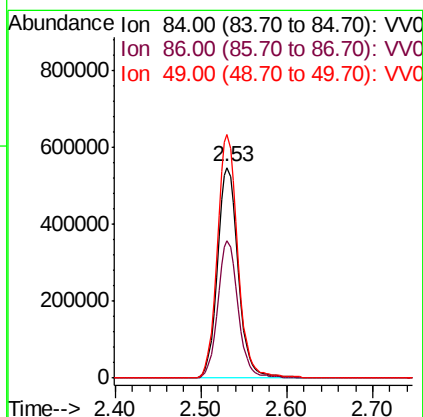
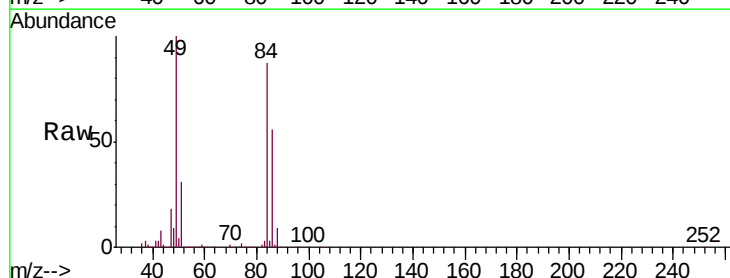
Instrument :
MSVOA_V
ClientSampleId :
VSTD10062

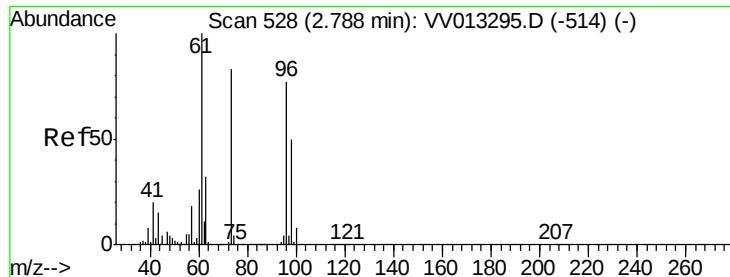
Tgt Ion: 43 Resp: 912761
Ion Ratio Lower Upper
43 100
74 23.9 20.6 31.0



#16
Methylene chloride
Concen: 93.056 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013296.D
Acq: 23 Oct 2019 11:26

Tgt Ion: 84 Resp: 921068
Ion Ratio Lower Upper
84 100
86 65.2 46.2 85.8
49 115.5 82.7 153.5





#17

trans-1,2-Dichloroethene

Concen: 95.233 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV013296.D

Acq: 23 Oct 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD10062

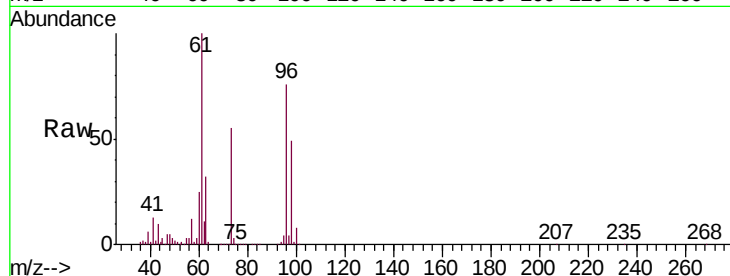
Tgt Ion: 96 Resp: 859008

Ion Ratio Lower Upper

96 100

61 132.1 91.2 169.4

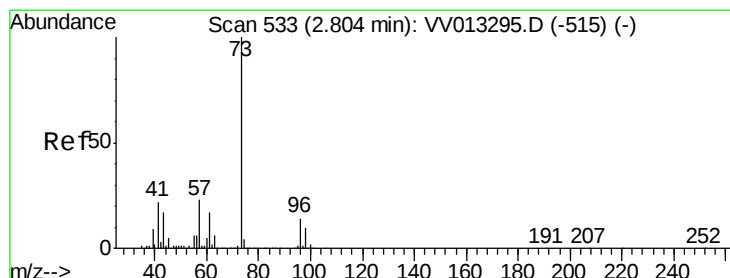
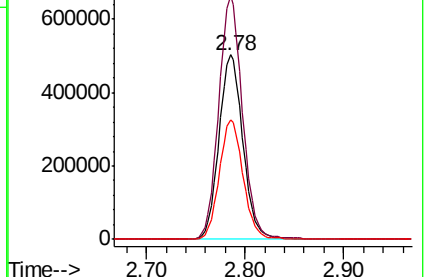
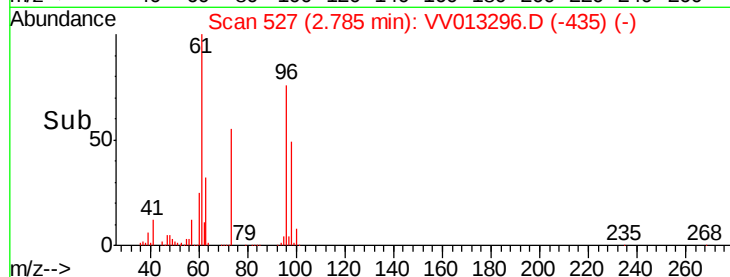
98 64.8 45.7 84.9



Abundance Ion 96.00 (95.70 to 96.70): VV013296.D (-435) (-)

Ion 61.00 (60.70 to 61.70): VV013296.D (-435) (-)

Ion 98.00 (97.70 to 98.70): VV013296.D (-435) (-)



#18

Methyl tert-butyl Ether

Concen: 96.804 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV013296.D

Acq: 23 Oct 2019 11:26

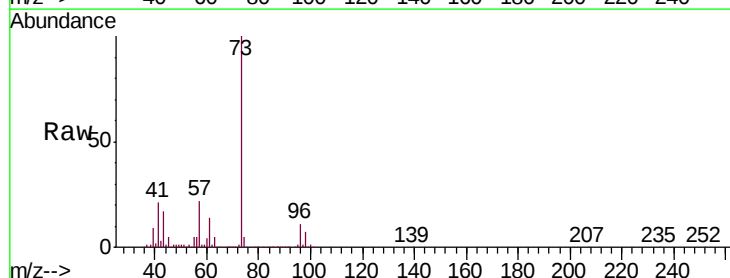
Tgt Ion: 73 Resp: 2627069

Ion Ratio Lower Upper

73 100

43 17.3 14.2 21.2

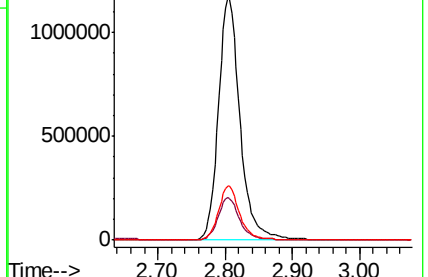
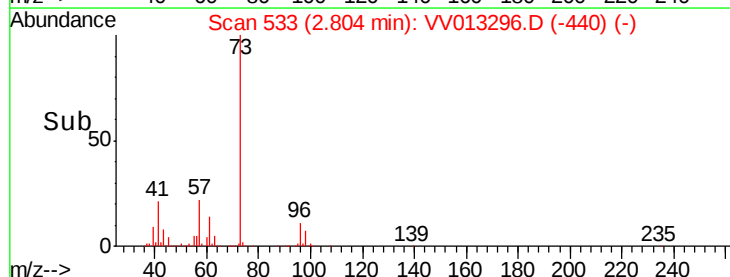
57 21.9 17.6 26.4

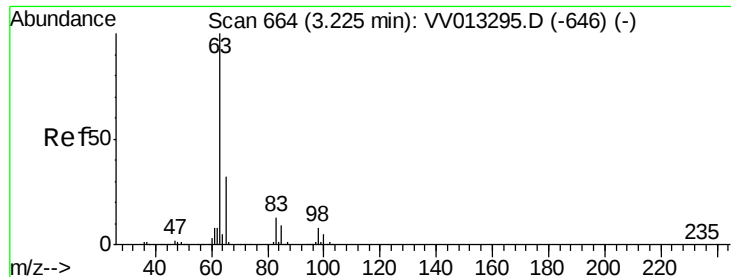


Abundance Ion 73.00 (72.70 to 73.70): VV013296.D (-440) (-)

Ion 43.00 (42.70 to 43.70): VV013296.D (-440) (-)

Ion 57.00 (56.70 to 57.70): VV013296.D (-440) (-)





#19

1,1-Dichloroethane

Concen: 91.810 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV013296.D

Acq: 23 Oct 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD10062

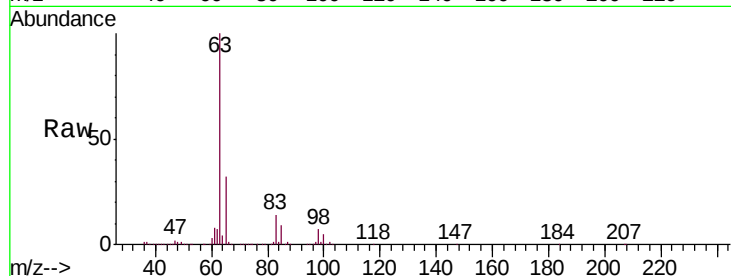
Tgt Ion: 63 Resp: 1553867

Ion Ratio Lower Upper

63 100

65 32.0 22.5 41.7

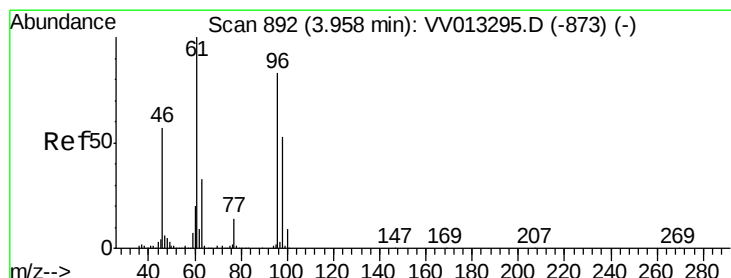
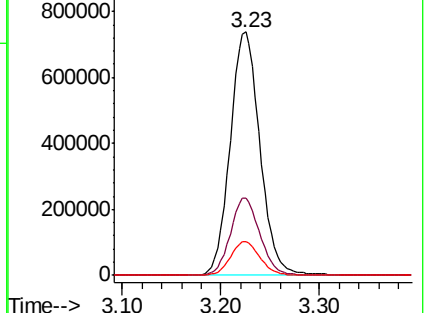
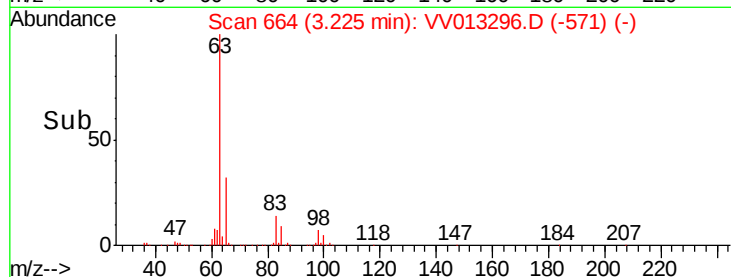
83 13.9 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VV013296.D (-571) (-)

Ion 65.00 (64.70 to 65.70): VV013296.D (-571) (-)

Ion 83.00 (82.70 to 83.70): VV013296.D (-571) (-)



#20

cis-1,2-Dichloroethene

Concen: 94.616 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV013296.D

Acq: 23 Oct 2019 11:26

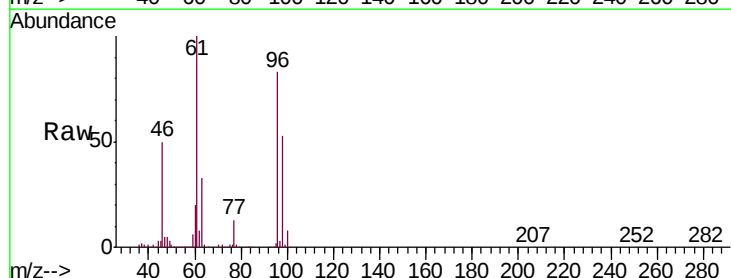
Tgt Ion: 96 Resp: 963903

Ion Ratio Lower Upper

96 100

61 119.9 84.8 157.4

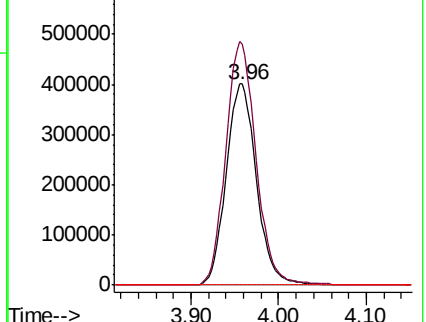
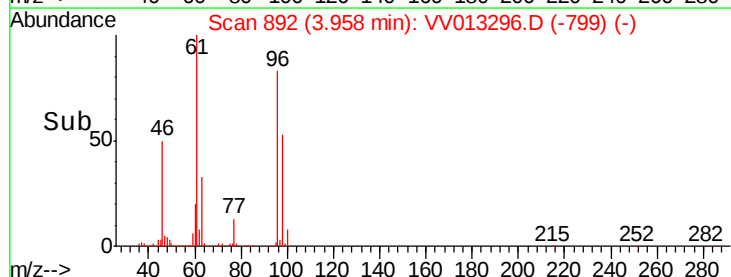
68 0.0 0.0 0.0

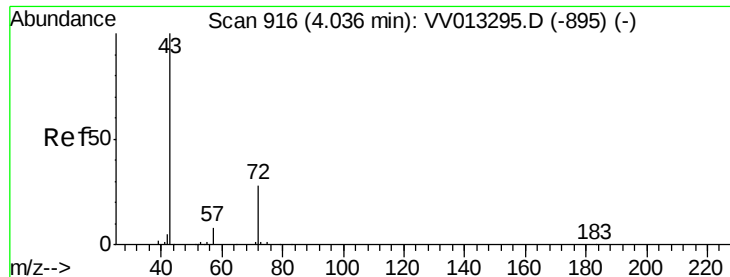


Abundance Ion 96.00 (95.70 to 96.70): VV013296.D (-799) (-)

Ion 61.00 (60.70 to 61.70): VV013296.D (-799) (-)

Ion 68.00 (67.70 to 68.70): VV013296.D (-799) (-)





#22

2-Butanone

Concen: 209.942 ug/L

RT: 4.05 min Scan# 920

Delta R.T. 0.01 min

Lab File: VV013296.D

Acq: 23 Oct 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

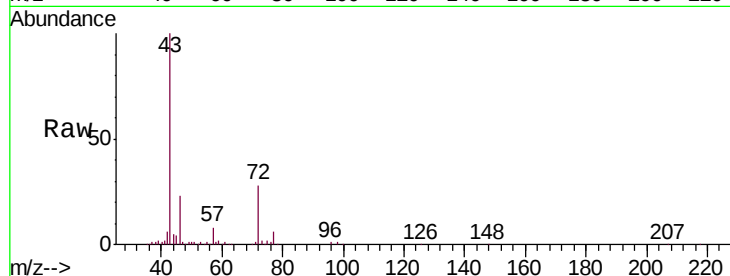
VSTD10062

Tgt Ion: 43 Resp: 1482229

Ion Ratio Lower Upper

43 100

72 24.5 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) (-)

4.05

300000

250000

200000

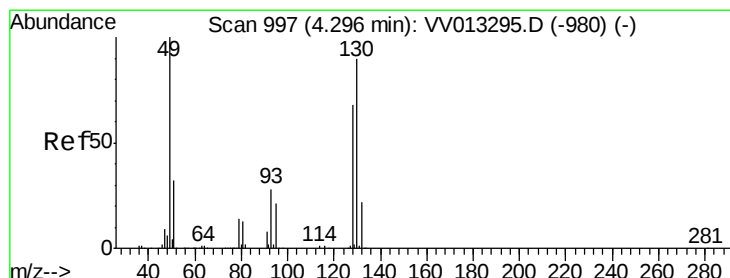
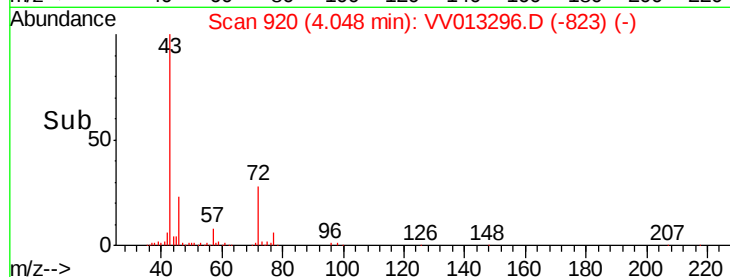
150000

100000

50000

0

Time--> 3.80 4.00 4.20 4.40



#23

Bromochloromethane

Concen: 99.008 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV013296.D

Acq: 23 Oct 2019 11:26

Tgt Ion: 128 Resp: 518212

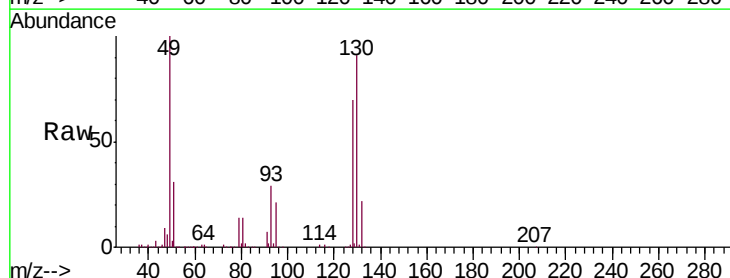
Ion Ratio Lower Upper

128 100

49 143.4 103.1 191.5

130 131.0 92.5 171.7

51 45.0 37.6 56.4



Abundance Ion 128.00 (127.70 to 128.70): VV013296.D (-904) (-)

Ion 49.00 (48.70 to 49.70): VV013296.D (-904) (-)

Ion 130.00 (129.70 to 130.70): VV013296.D (-904) (-)

Ion 51.00 (50.70 to 51.70): VV013296.D (-904) (-)

4.30

400000

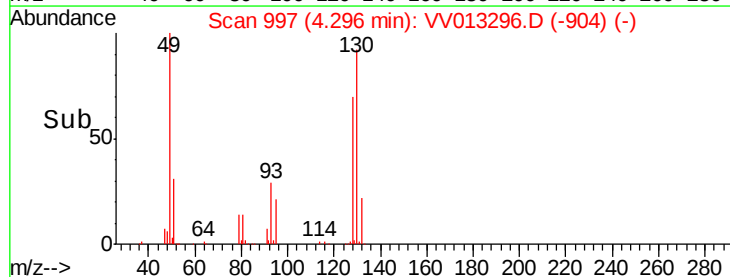
300000

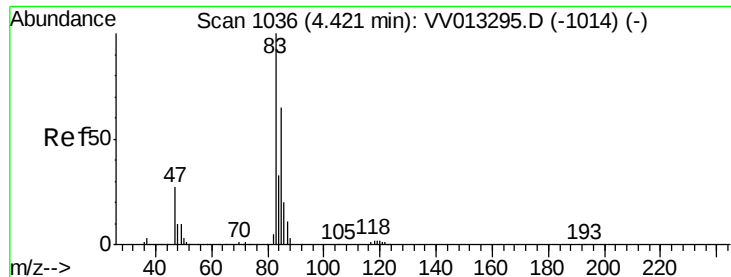
200000

100000

0

Time--> 4.20 4.30 4.40

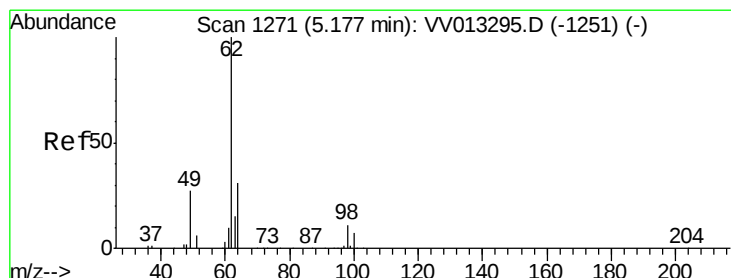
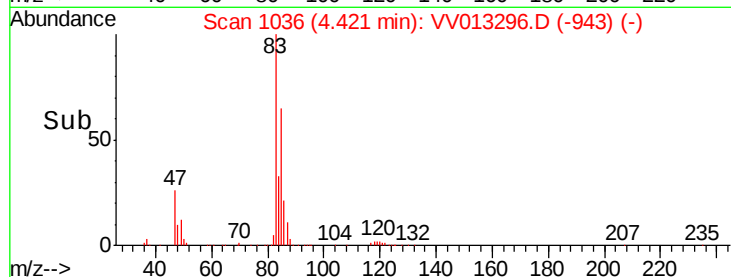
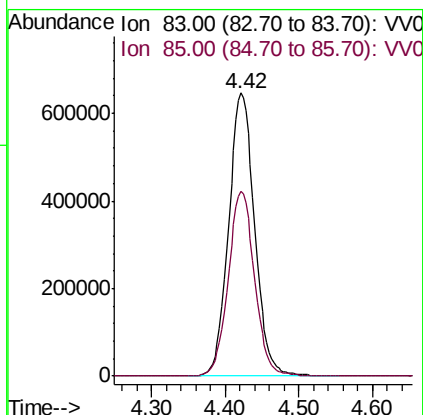
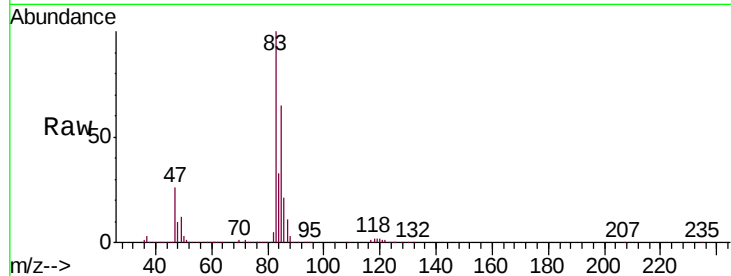




#25
Chloroform
Concen: 92.665 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV013296.D
Acq: 23 Oct 2019 11:26

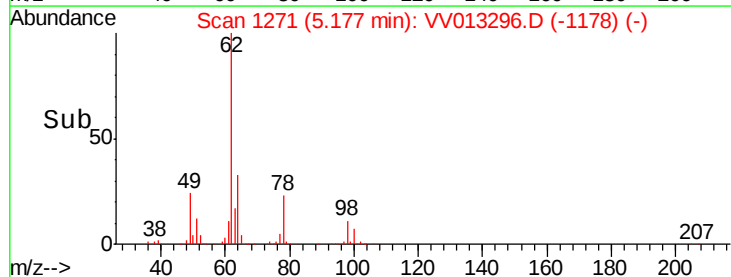
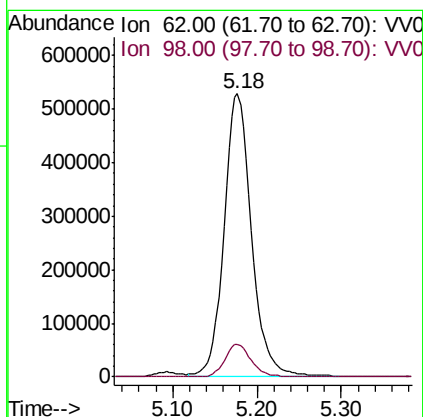
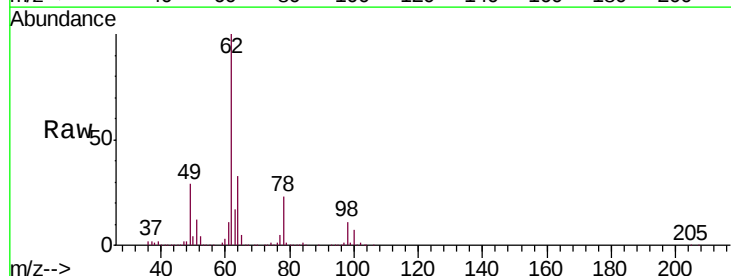
Instrument :
MSVOA_V
ClientSampleId :
VSTD10062

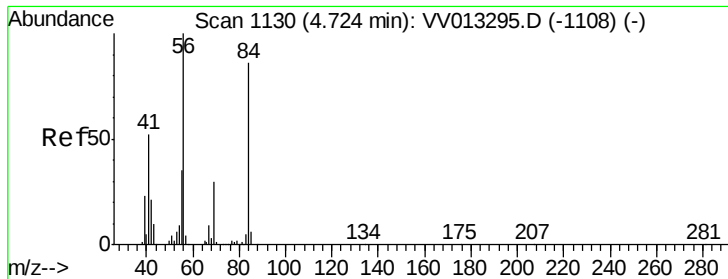
Tgt Ion: 83 Resp: 1585278
Ion Ratio Lower Upper
83 100
85 65.1 45.8 85.0



#27
1,2-Dichloroethane
Concen: 91.550 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV013296.D
Acq: 23 Oct 2019 11:26

Tgt Ion: 62 Resp: 1187258
Ion Ratio Lower Upper
62 100
98 11.5 8.5 12.7

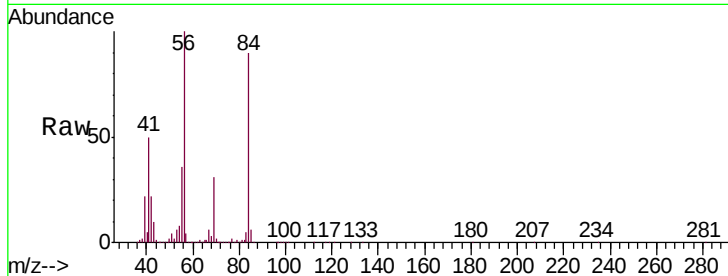




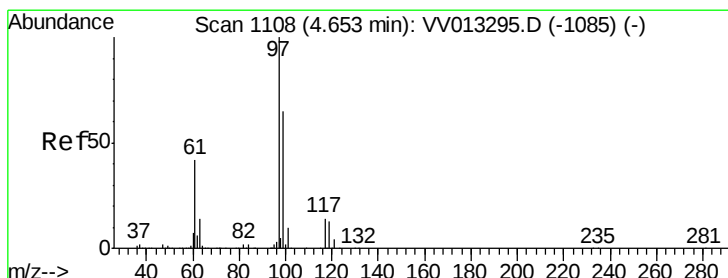
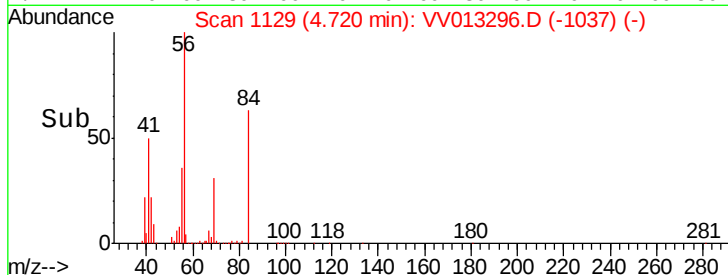
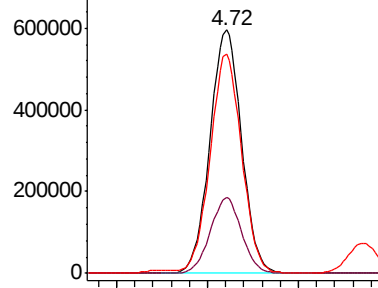
#29
Cyclohexane
Concen: 95.311 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV013296.D
Acq: 23 Oct 2019 11:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD10062

Tgt Ion: 56 Resp: 1438114
Ion Ratio Lower Upper
56 100
69 30.8 24.4 36.6
84 89.8 70.5 105.7

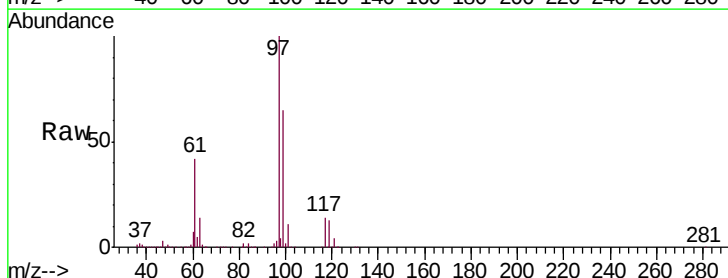


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

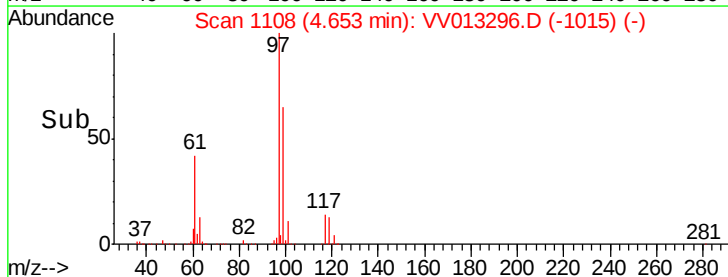
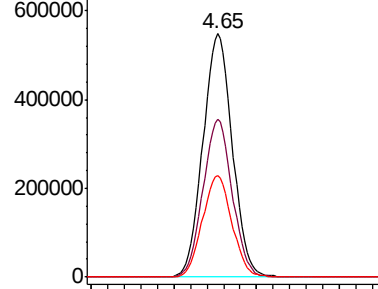


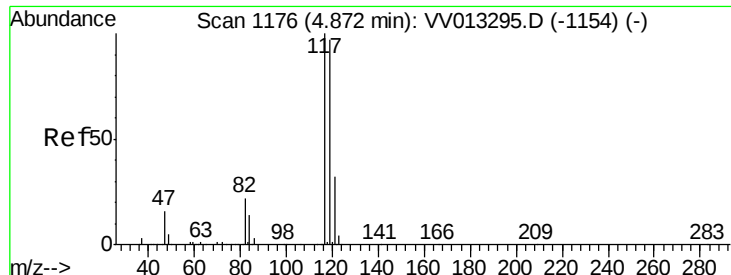
#30
1,1,1-Trichloroethane
Concen: 95.556 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VV013296.D
Acq: 23 Oct 2019 11:26

Tgt Ion: 97 Resp: 1353323
Ion Ratio Lower Upper
97 100
99 64.4 51.0 76.6
61 42.0 33.2 49.8



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 95.313 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV013296.D

Acq: 23 Oct 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

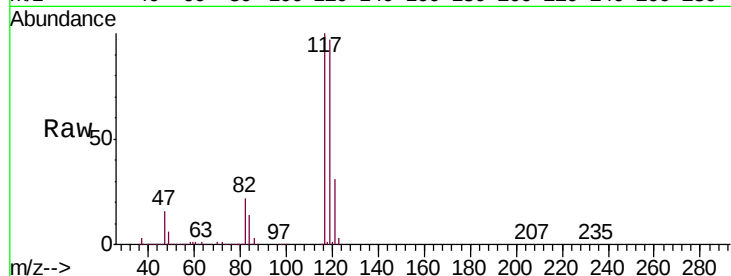
VSTD10062

Tgt Ion:117 Resp: 1202885

Ion Ratio Lower Upper

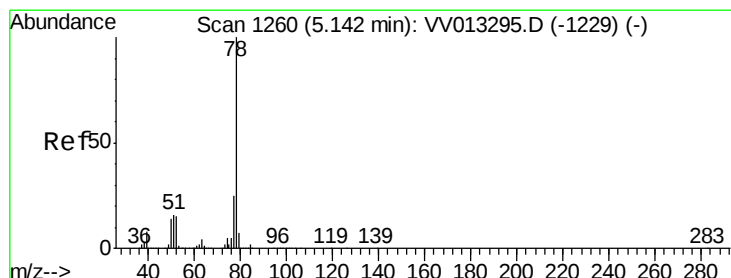
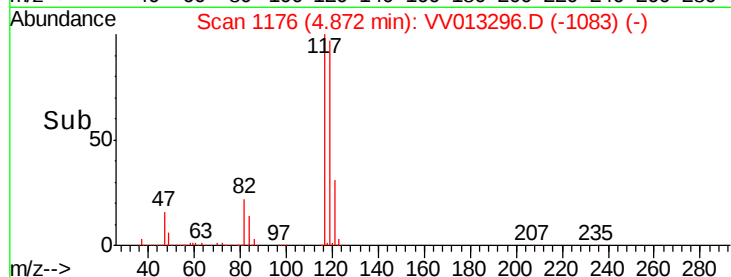
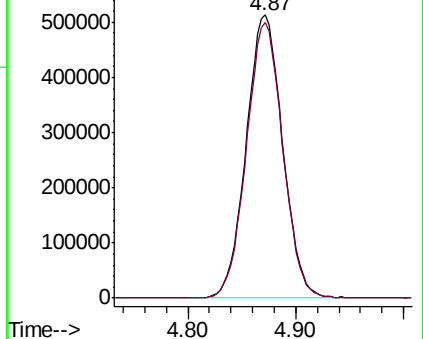
117 100

119 96.9 76.6 115.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 93.181 ug/L

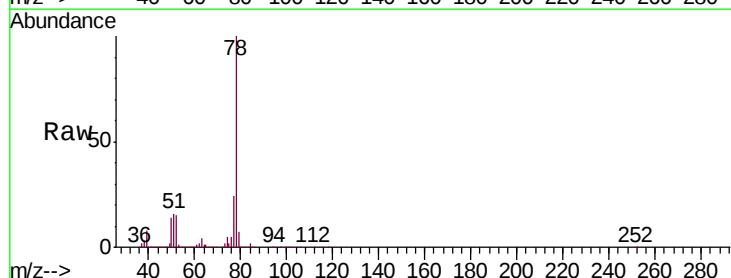
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

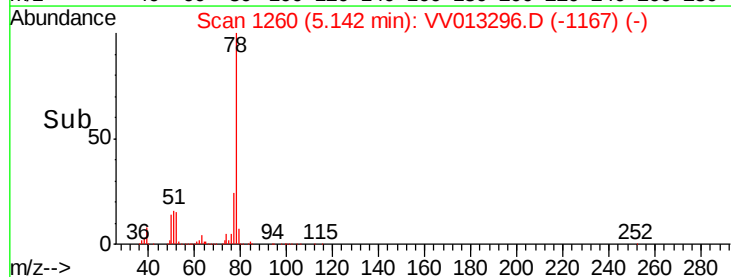
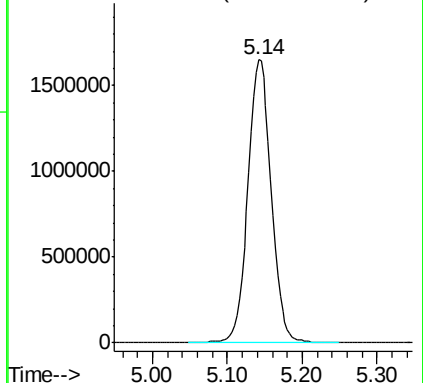
Lab File: VV013296.D

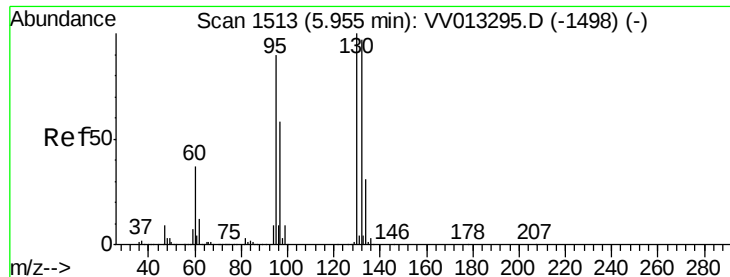
Acq: 23 Oct 2019 11:26

Tgt Ion: 78 Resp: 3590677



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 90.542 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV013296.D

Acq: 23 Oct 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD10062

Tgt Ion: 95 Resp: 926102

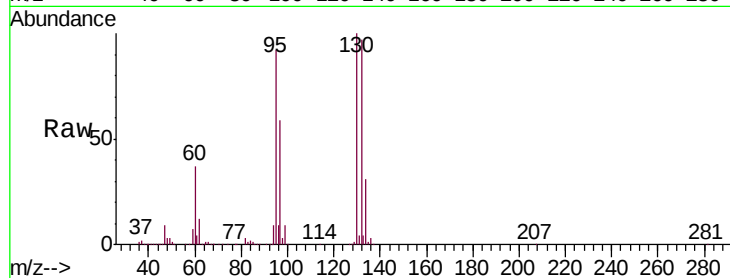
Ion Ratio Lower Upper

95 100

97 64.0 45.3 84.1

132 106.3 75.5 140.1

130 109.2 77.7 144.3

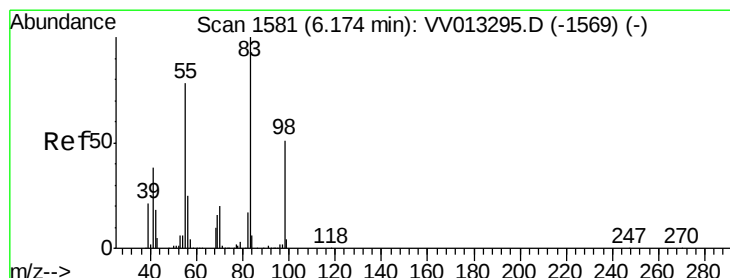
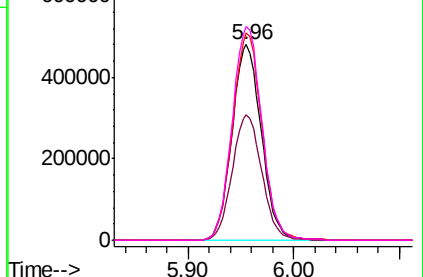
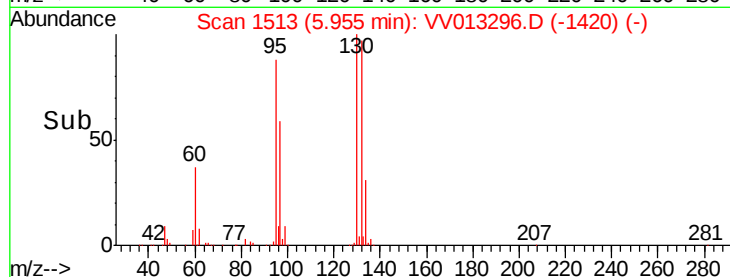


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 97.198 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV013296.D

Acq: 23 Oct 2019 11:26

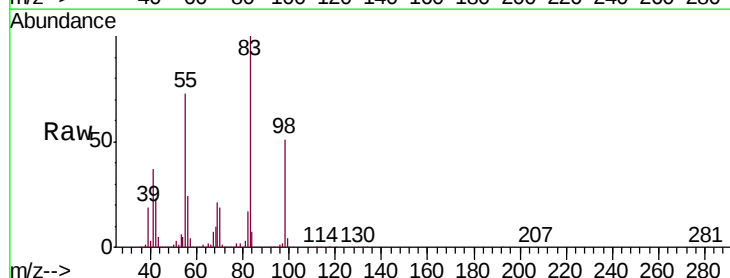
Tgt Ion: 83 Resp: 1509314

Ion Ratio Lower Upper

83 100

55 73.1 59.0 88.4

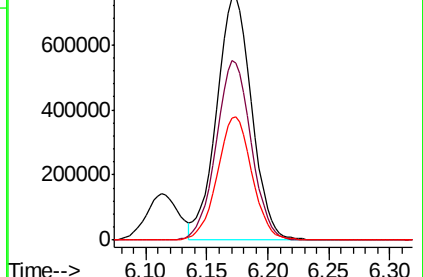
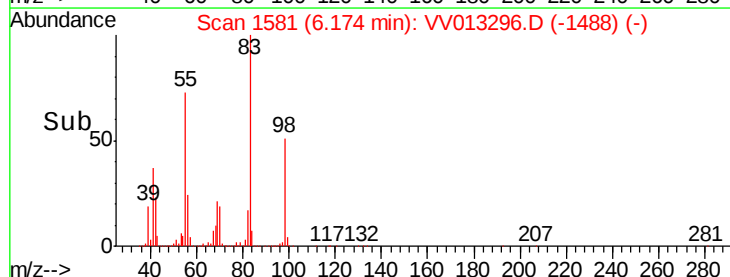
98 50.1 39.3 58.9

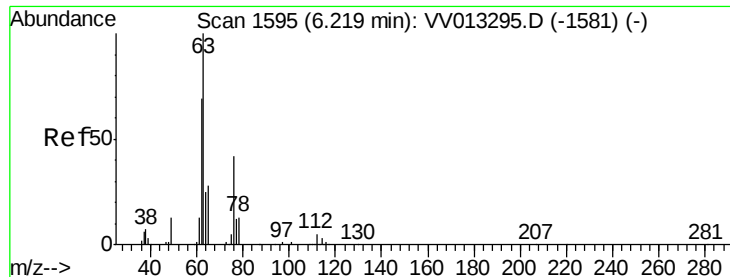


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 92.167 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. -0.00 min

Lab File: VV013296.D

Acq: 23 Oct 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

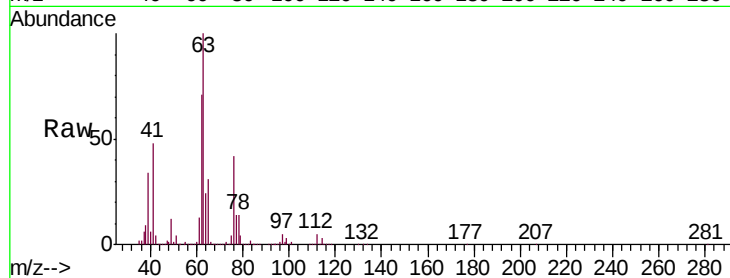
VSTD10062

Tgt Ion: 63 Resp: 915091

Ion Ratio Lower Upper

63 100

112 4.7 3.9 5.9



Abundance Ion 63.00 (62.70 to 63.70): VV013296.D (-1502) (-)

Ion 112.00 (111.70 to 112.70): VV013296.D (-1502) (-)

6.22

500000

400000

300000

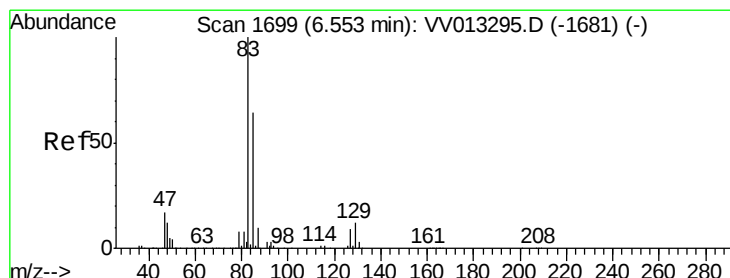
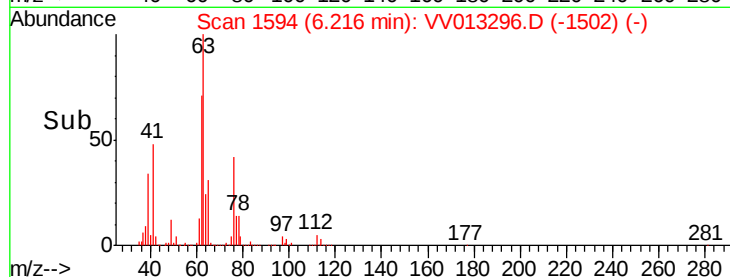
200000

100000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 93.628 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV013296.D

Acq: 23 Oct 2019 11:26

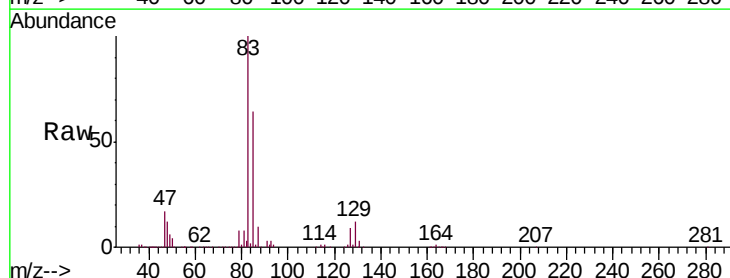
Tgt Ion: 83 Resp: 1190666

Ion Ratio Lower Upper

83 100

85 63.8 44.6 82.8

127 9.1 7.4 11.2



Abundance Ion 83.00 (82.70 to 83.70): VV013296.D (-1606) (-)

Ion 85.00 (84.70 to 85.70): VV013296.D (-1606) (-)

Ion 127.00 (126.70 to 127.70): VV013296.D (-1606) (-)

6.55

800000

600000

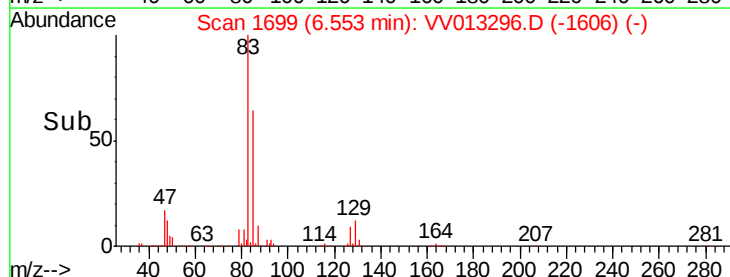
400000

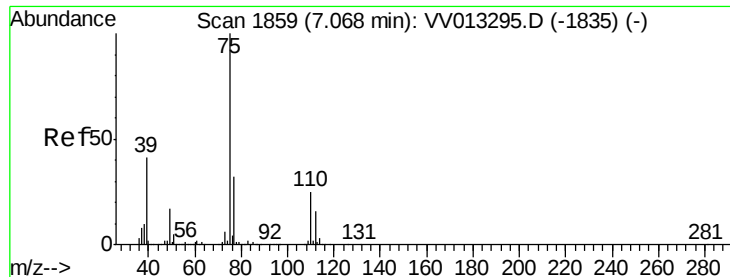
200000

0

6.50 6.60 6.70

Time-->





#39

cis-1,3-Dichloropropene

Concen: 99.740 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV013296.D

Acq: 23 Oct 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

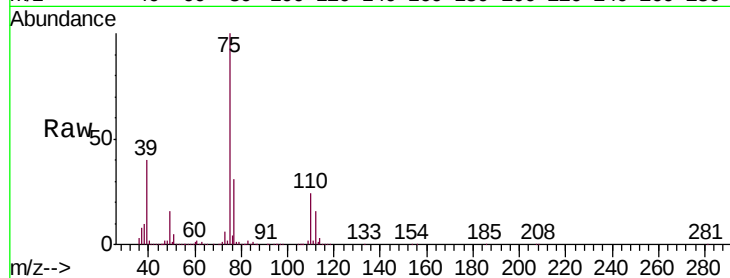
VSTD10062

Tgt Ion: 75 Resp: 1463469

Ion Ratio Lower Upper

75 100

77 31.2 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.07

800000

600000

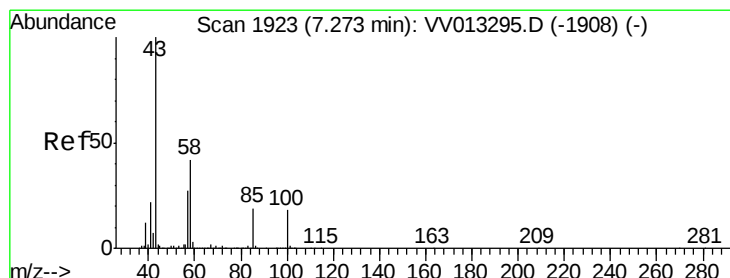
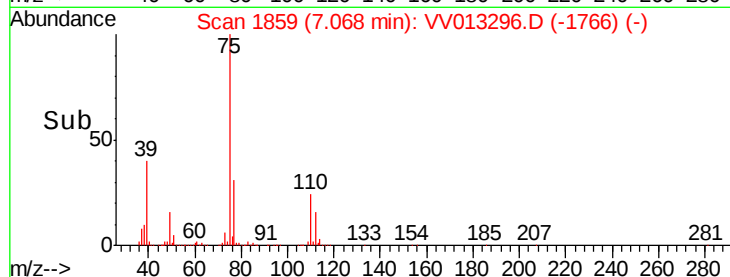
400000

200000

0

7.00 7.10 7.20

Time-->



#40

4-Methyl-2-pentanone

Concen: 193.278 ug/L

RT: 7.27 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VV013296.D

Acq: 23 Oct 2019 11:26

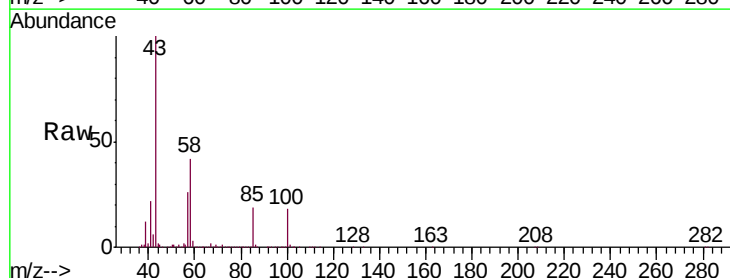
Tgt Ion: 43 Resp: 2472312

Ion Ratio Lower Upper

43 100

58 41.0 33.0 49.4

100 17.5 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

1500000

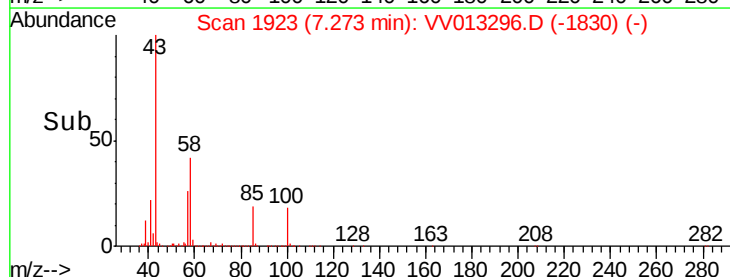
1000000

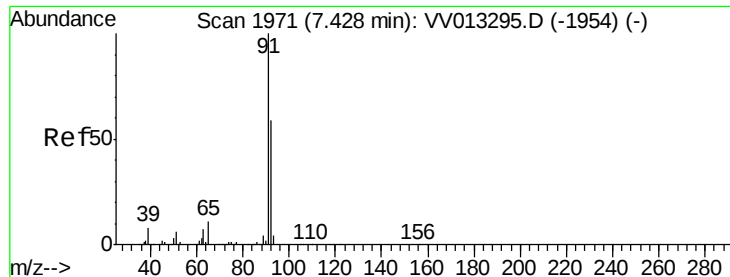
500000

0

7.20 7.30 7.40

Time-->





#42

Toluene

Concen: 94.884 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV013296.D

Acq: 23 Oct 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

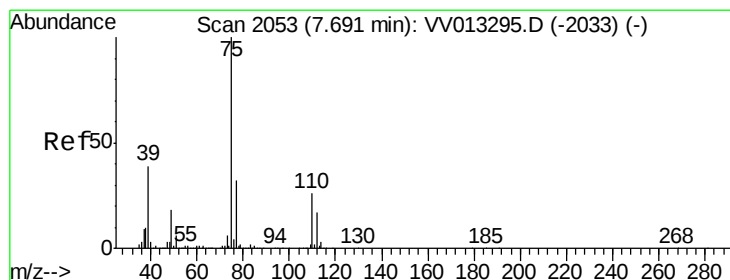
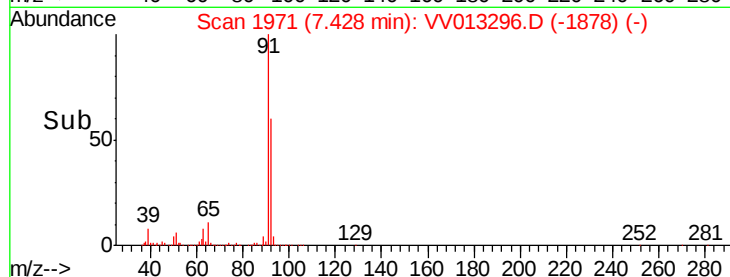
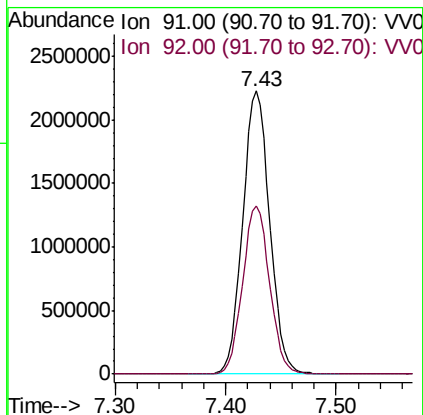
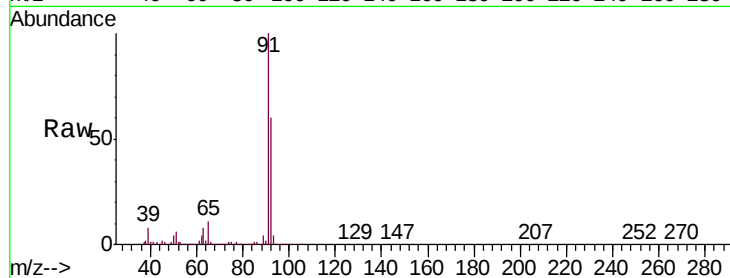
VSTD10062

Tgt Ion: 91 Resp: 3760746

Ion Ratio Lower Upper

91 100

92 59.5 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 98.374 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV013296.D

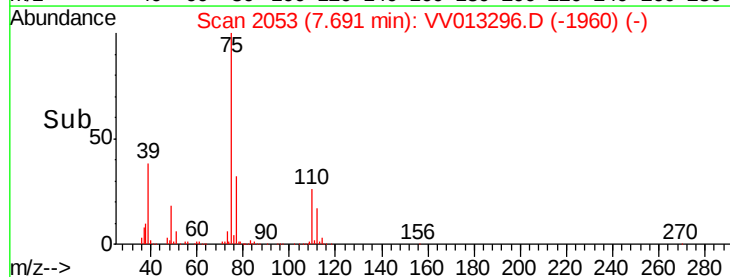
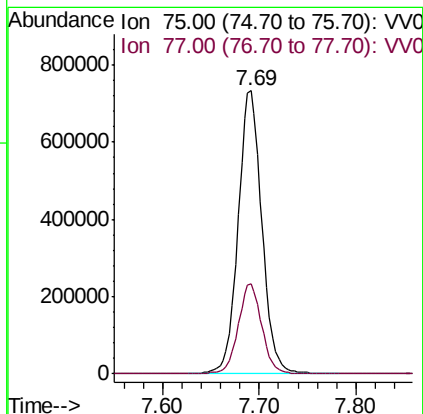
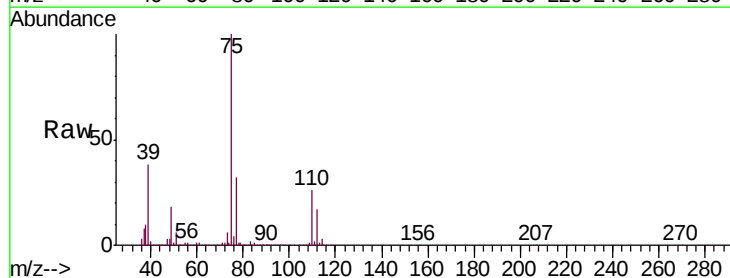
Acq: 23 Oct 2019 11:26

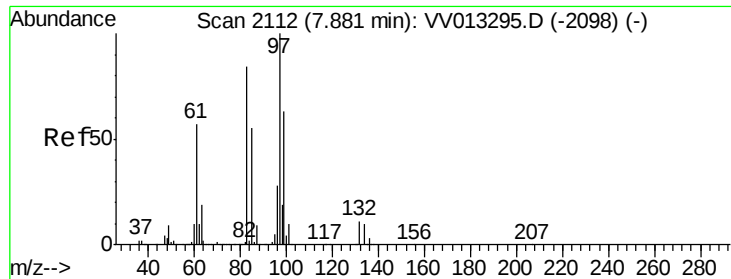
Tgt Ion: 75 Resp: 1249499

Ion Ratio Lower Upper

75 100

77 31.7 22.2 41.2

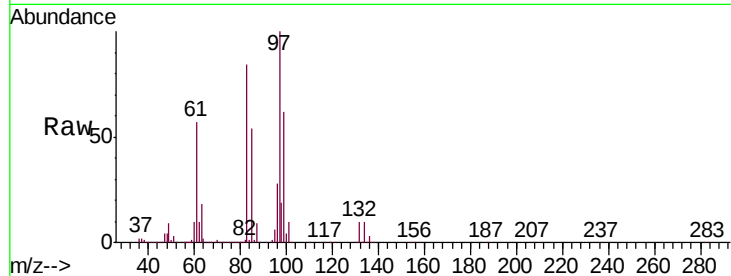




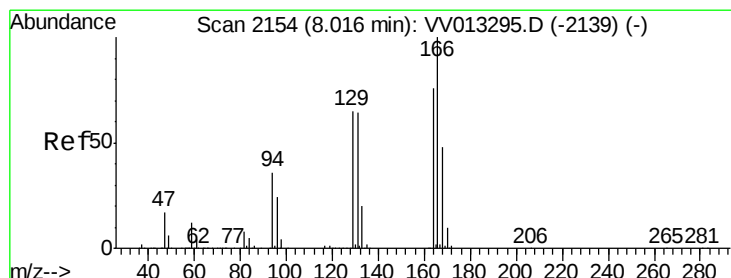
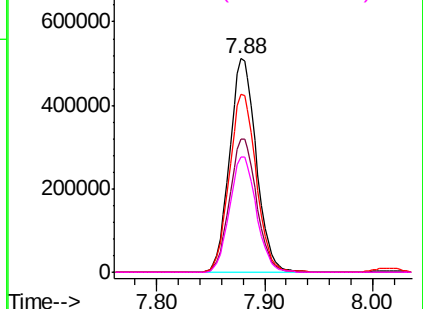
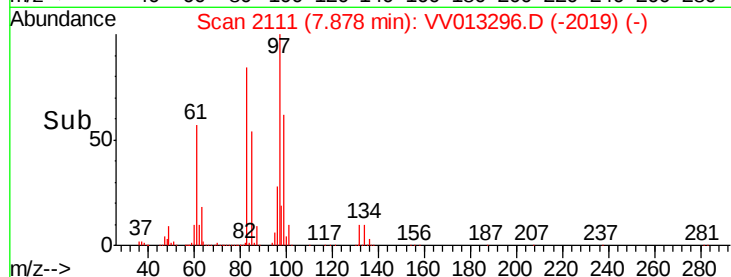
#45
 1,1,2-Trichloroethane
 Concen: 93.335 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV013296.D
 Acq: 23 Oct 2019 11:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10062

Tgt Ion:	97	Resp:	883111
Ion	Ratio	Lower	Upper
97	100		
99	62.5	44.1	81.9
83	83.6	58.9	109.3
85	54.2	38.6	71.8

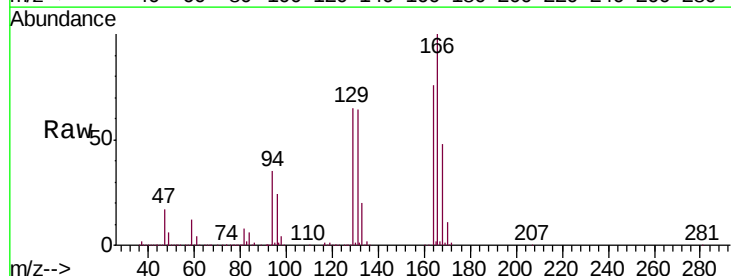


Abundance Ion 97.00 (96.70 to 97.70): VV013296.D (-2019) (-)

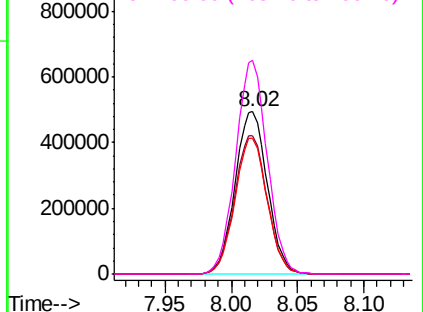
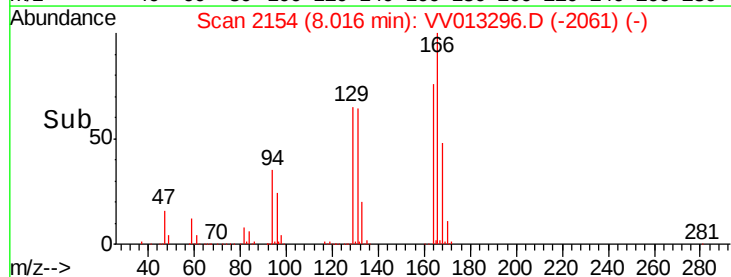


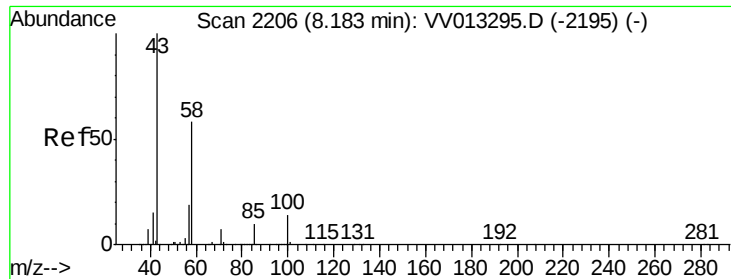
#46
 Tetrachloroethene
 Concen: 101.286 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV013296.D
 Acq: 23 Oct 2019 11:26

Tgt Ion:	164	Resp:	838345
Ion	Ratio	Lower	Upper
164	100		
129	85.4	59.7	110.9
131	83.8	59.2	110.0
166	131.7	92.0	170.9



Abundance Ion 164.00 (163.70 to 164.70): VV013296.D (-2061) (-)



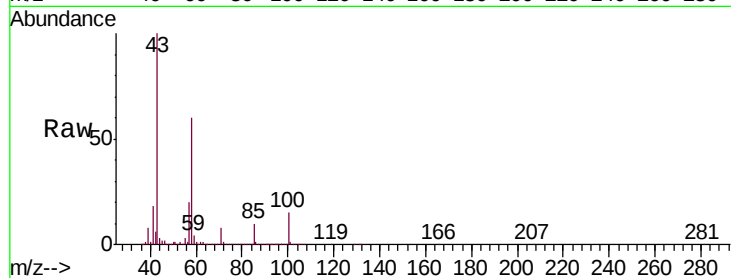


#48
2-Hexanone
Concen: 198.825 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013296.D
Acq: 23 Oct 2019 11:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD10062

Tgt Ion: 43 Resp: 2003014

Ion	Ratio	Lower	Upper
43	100		
58	59.3	47.0	70.6
57	20.2	13.8	20.8
100	14.4	10.2	15.4

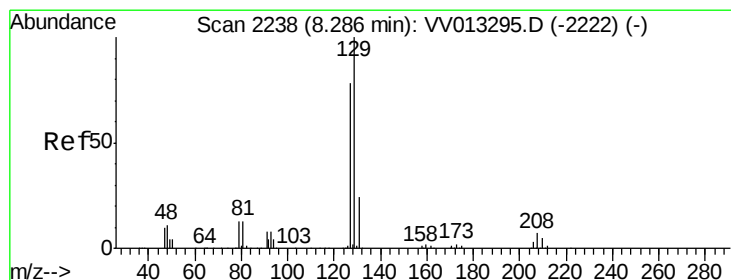
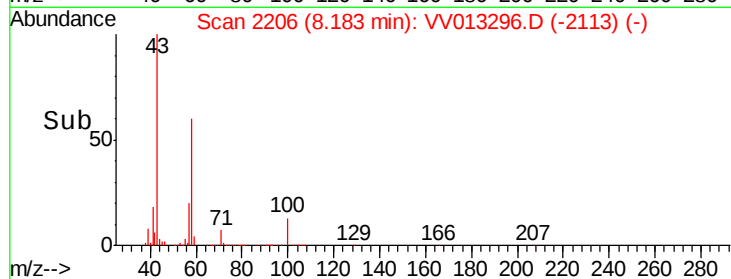
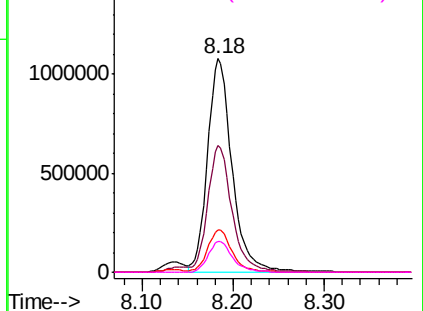


Abundance Ion 43.00 (42.70 to 43.70): VV013296.D (-2113) (-)

Ion 58.00 (57.70 to 58.70): VV013296.D (-2113) (-)

Ion 57.00 (56.70 to 57.70): VV013296.D (-2113) (-)

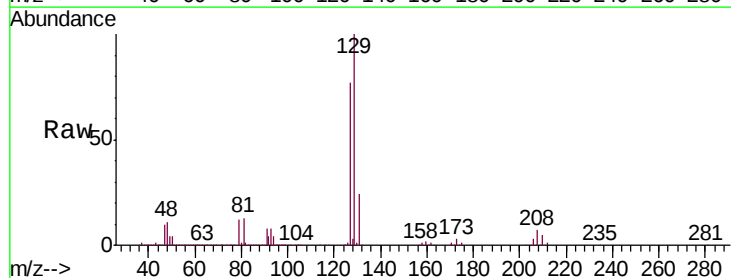
Ion 100.00 (99.70 to 100.70): VV013296.D (-2113) (-)



#49
Dibromochloromethane
Concen: 99.766 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV013296.D
Acq: 23 Oct 2019 11:26

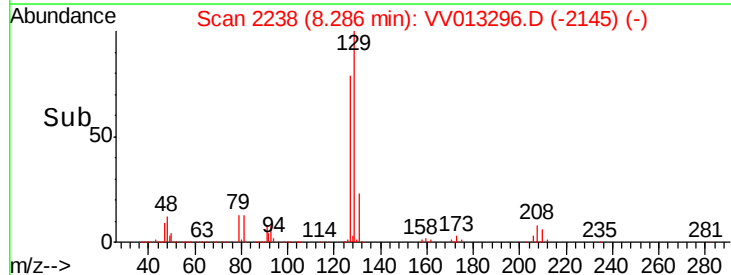
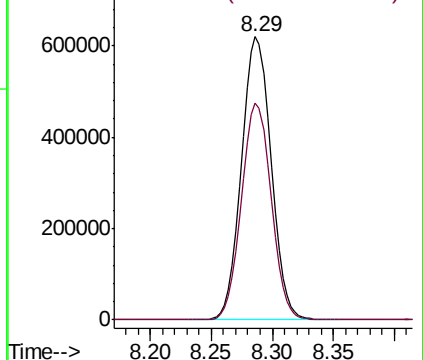
Tgt Ion: 129 Resp: 1037555

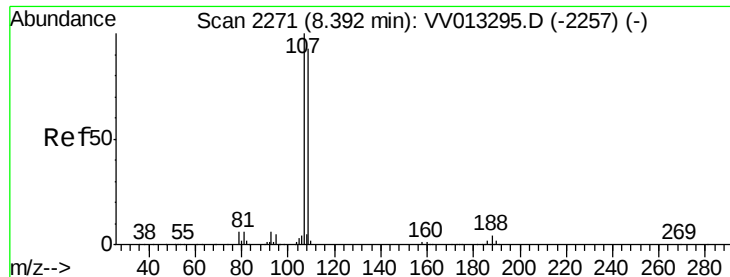
Ion	Ratio	Lower	Upper
129	100		
127	76.8	54.7	101.5



Abundance Ion 129.00 (128.70 to 129.70): VV013296.D (-2145) (-)

Ion 127.00 (126.70 to 127.70): VV013296.D (-2145) (-)

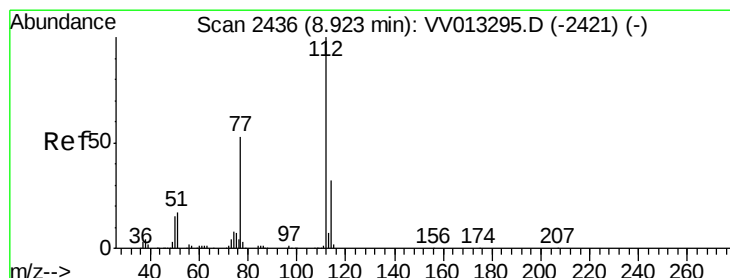
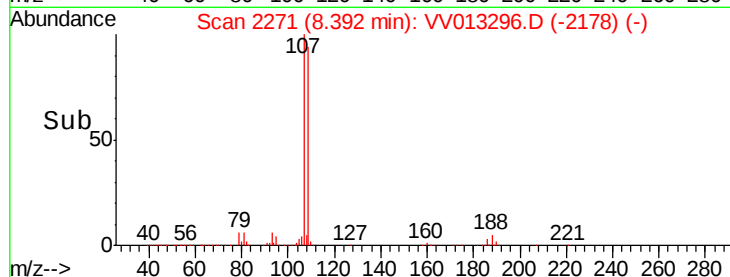
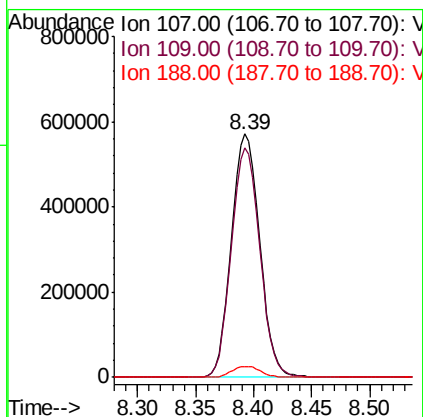
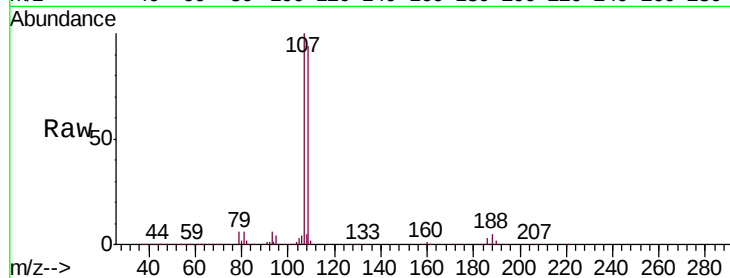




#50
1,2-Dibromoethane
Concen: 96.911 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV013296.D
Acq: 23 Oct 2019 11:26

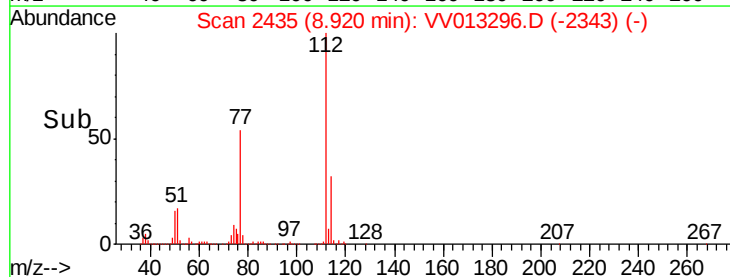
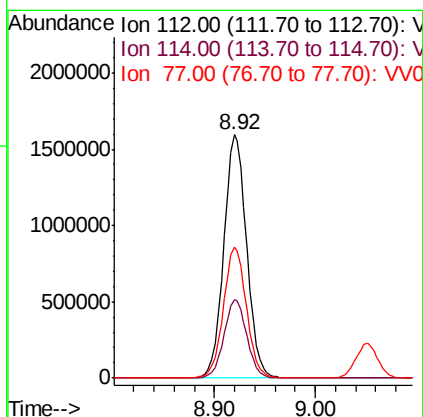
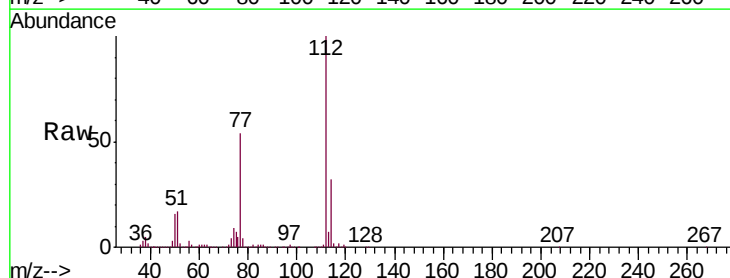
Instrument :
MSVOA_V
ClientSampleId :
VSTD10062

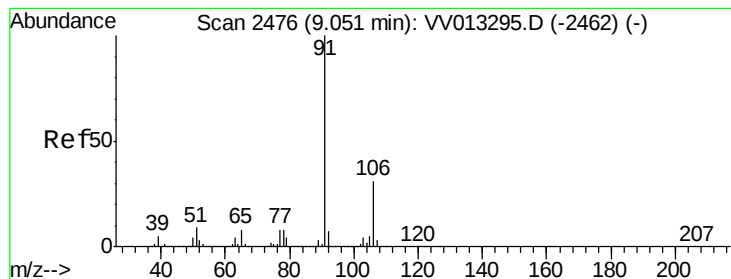
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.4	65.4	121.4
188	4.6	3.4	5.2



#51
Chlorobenzene
Concen: 96.412 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV013296.D
Acq: 23 Oct 2019 11:26

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.7	42.3
77	54.1	42.5	63.7





#52

Ethylbenzene

Concen: 97.271 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013296.D

Acq: 23 Oct 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

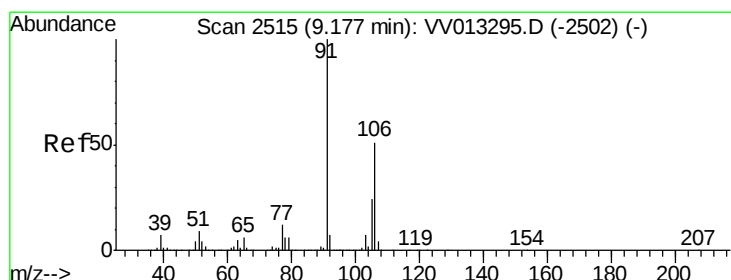
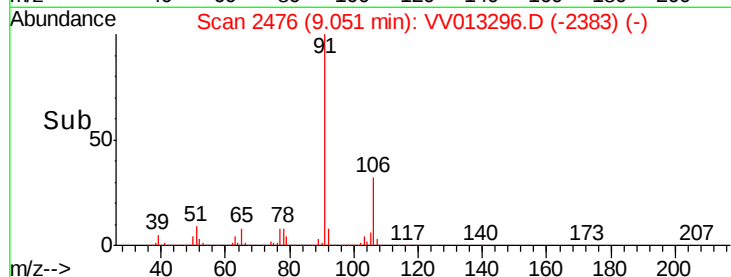
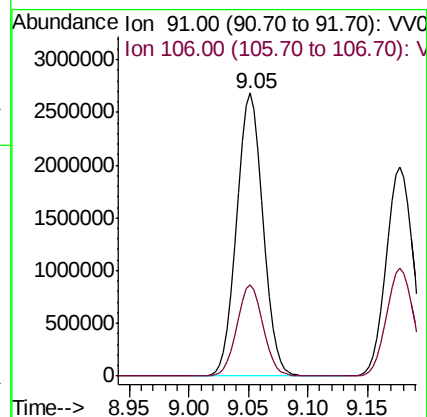
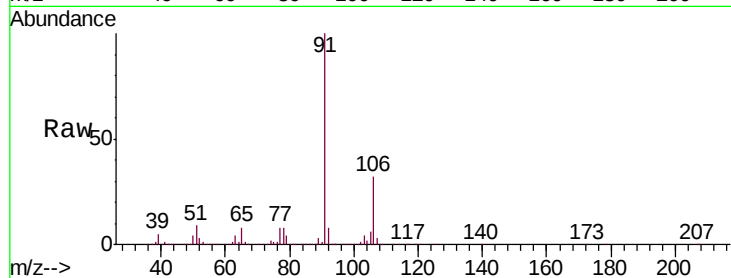
VSTD10062

Tgt Ion: 91 Resp: 4120731

Ion Ratio Lower Upper

91 100

106 32.4 22.0 40.8



#53

m,p-Xylene

Concen: 101.756 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013296.D

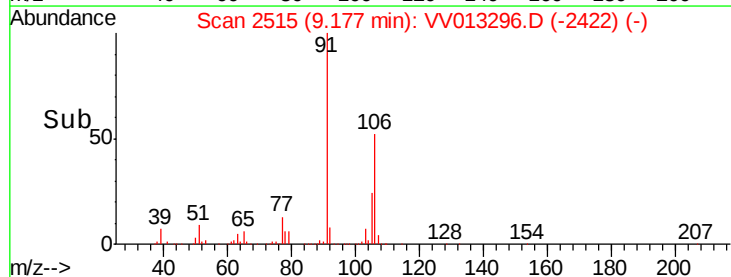
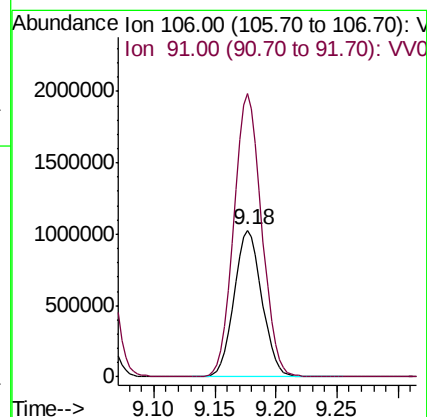
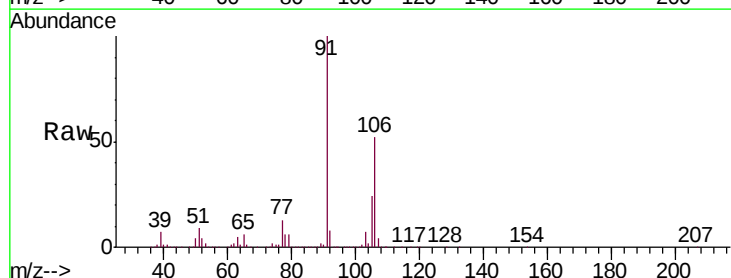
Acq: 23 Oct 2019 11:26

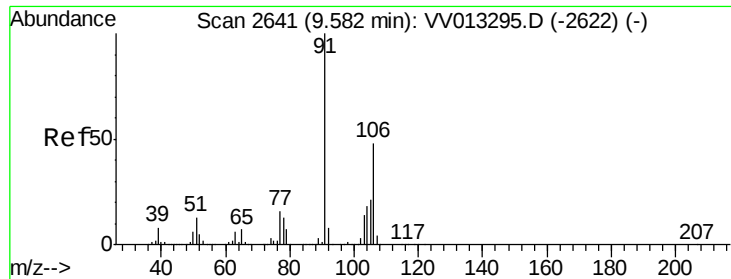
Tgt Ion: 106 Resp: 1631385

Ion Ratio Lower Upper

106 100

91 193.0 137.7 255.7





#54

o-xylene

Concen: 100.411 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV013296.D

Acq: 23 Oct 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

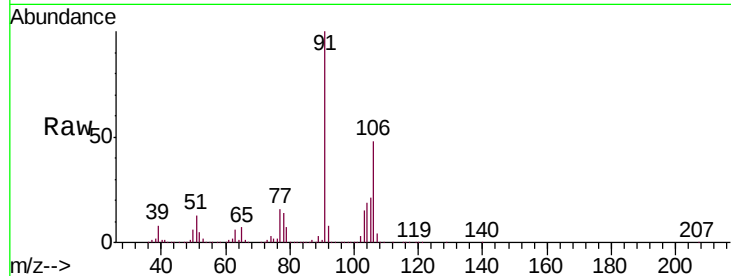
VSTD10062

Tgt Ion:106 Resp: 1603281

Ion Ratio Lower Upper

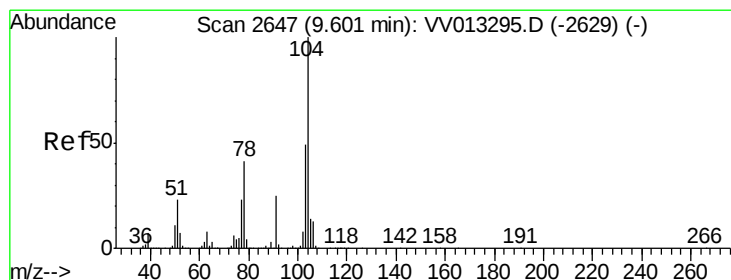
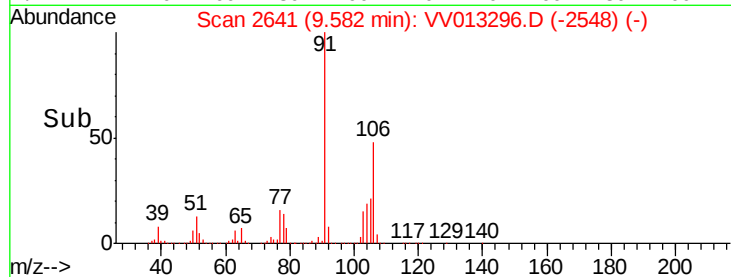
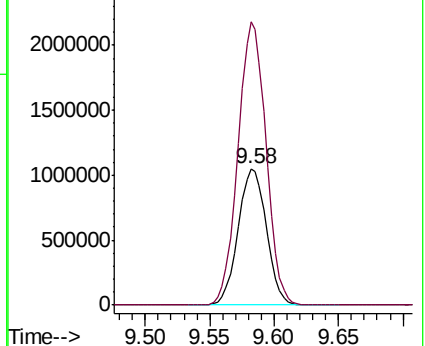
106 100

91 207.2 146.2 271.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 104.196 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV013296.D

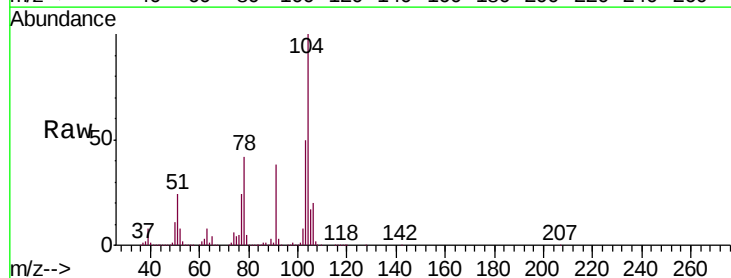
Acq: 23 Oct 2019 11:26

Tgt Ion:104 Resp: 2756261

Ion Ratio Lower Upper

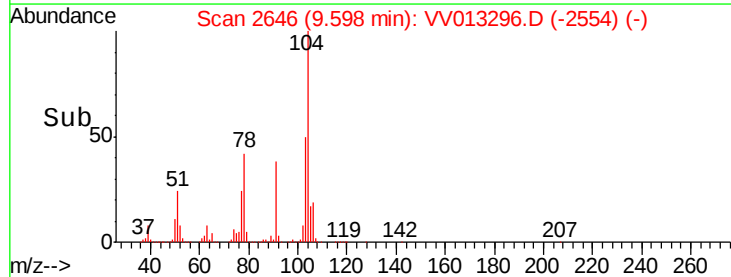
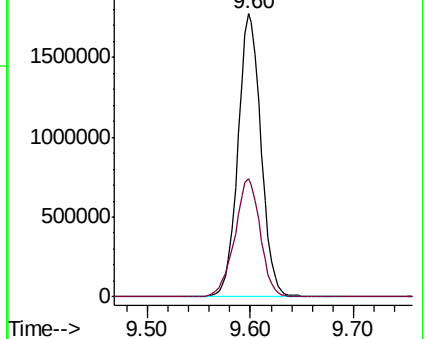
104 100

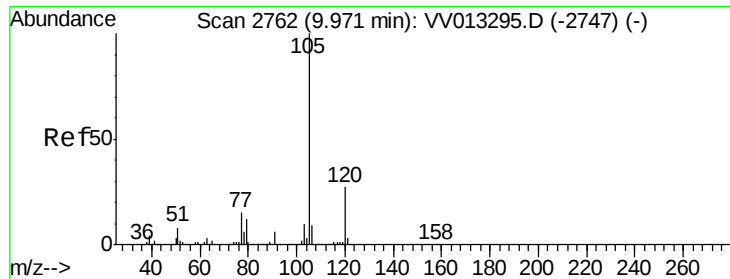
78 41.8 28.9 53.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 100.899 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013296.D

Acq: 23 Oct 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD10062

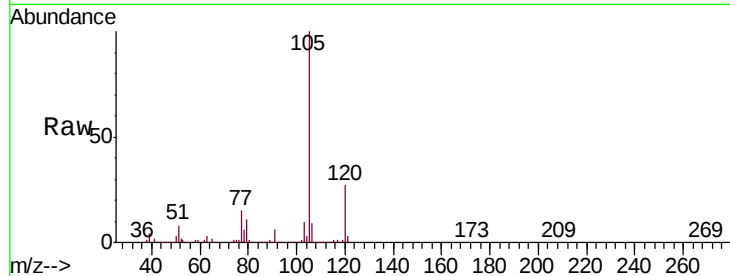
Tgt Ion:105 Resp: 4139729

Ion Ratio Lower Upper

105 100

120 27.4 21.7 32.5

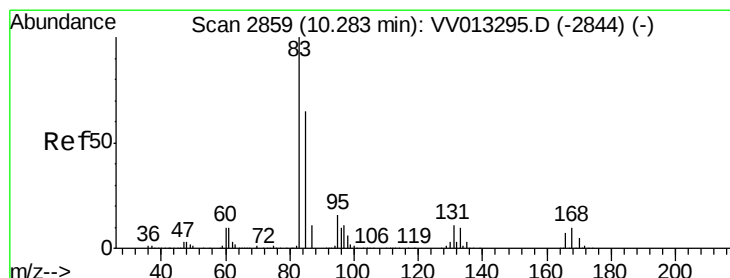
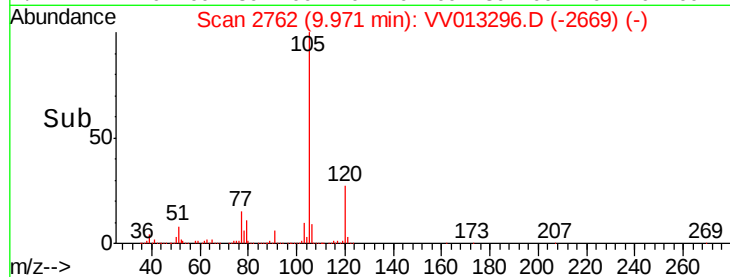
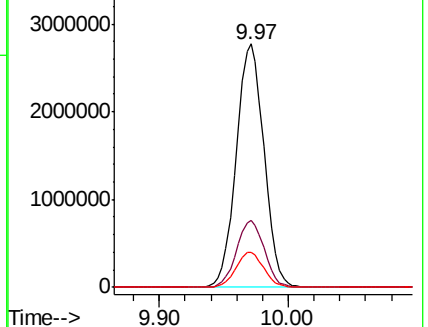
77 14.4 11.6 17.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 98.597 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV013296.D

Acq: 23 Oct 2019 11:26

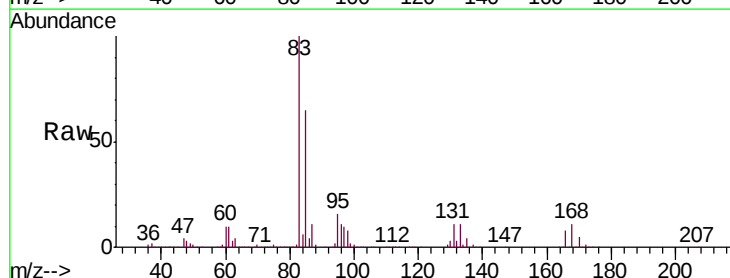
Tgt Ion: 83 Resp: 1370047

Ion Ratio Lower Upper

83 100

85 64.8 45.3 84.1

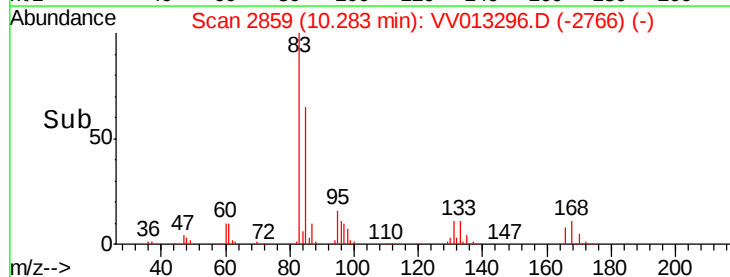
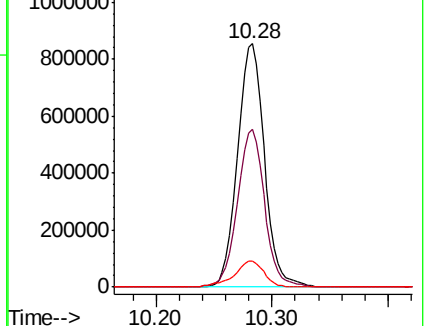
131 10.7 8.6 13.0

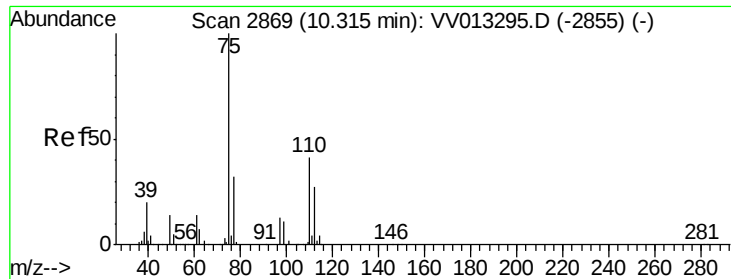


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 91.352 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013296.D

Acq: 23 Oct 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

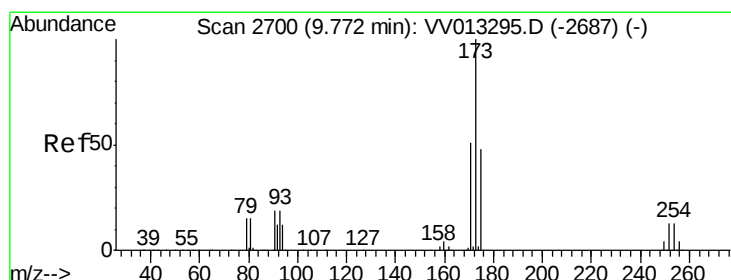
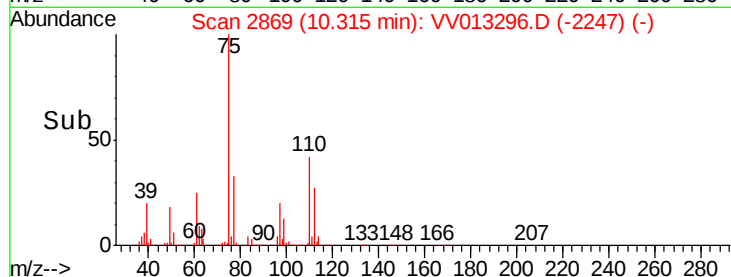
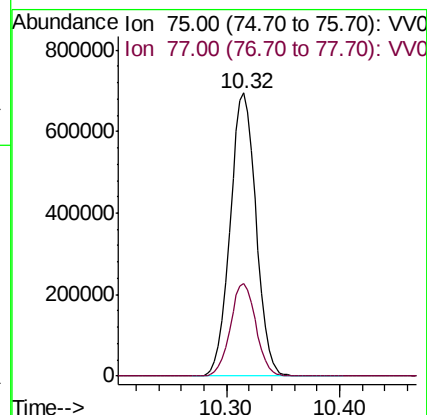
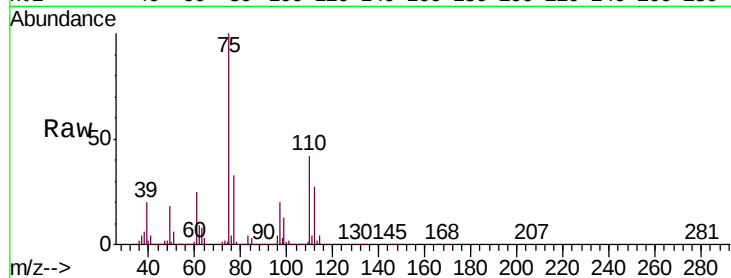
VSTD10062

Tgt Ion: 75 Resp: 1105360

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5



#61

Bromoform

Concen: 95.522 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV013296.D

Acq: 23 Oct 2019 11:26

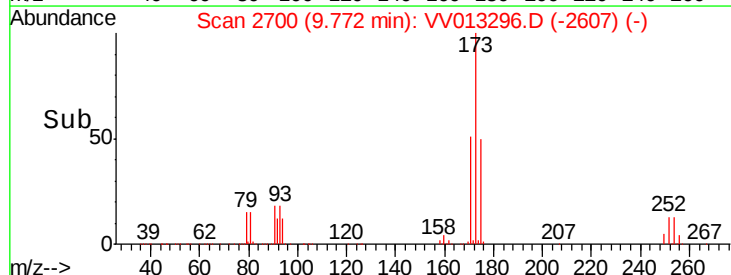
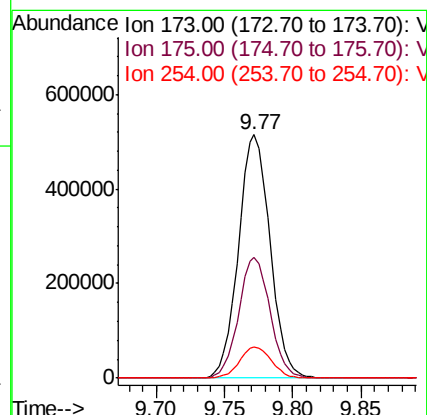
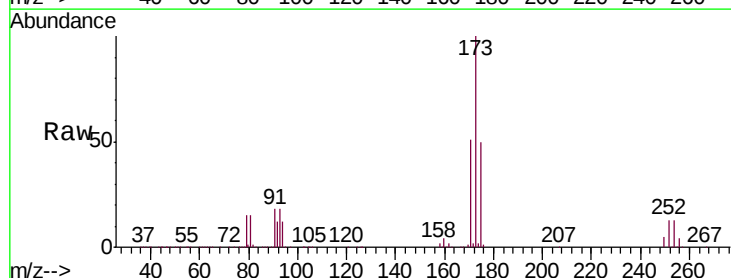
Tgt Ion: 173 Resp: 827405

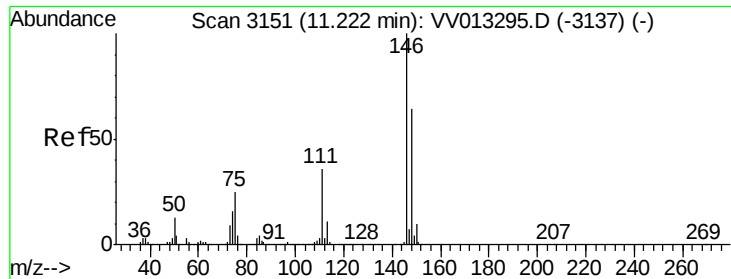
Ion Ratio Lower Upper

173 100

175 49.3 39.1 58.7

254 12.9 10.2 15.4





#62

1,3-Dichlorobenzene

Concen: 92.697 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013296.D

Acq: 23 Oct 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD10062

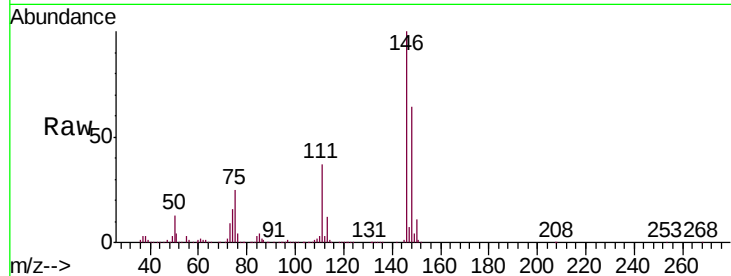
Tgt Ion:146 Resp: 2064860

Ion Ratio Lower Upper

146 100

111 36.6 25.4 47.2

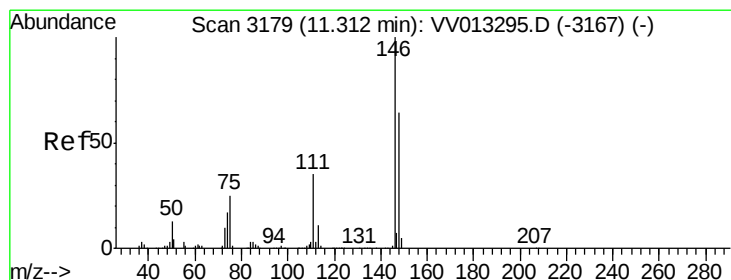
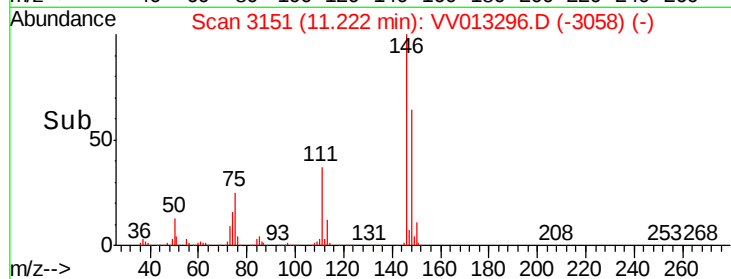
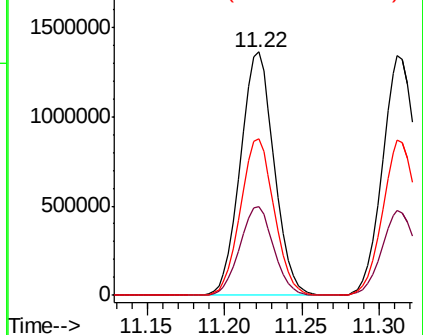
148 64.4 44.8 83.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 92.916 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV013296.D

Acq: 23 Oct 2019 11:26

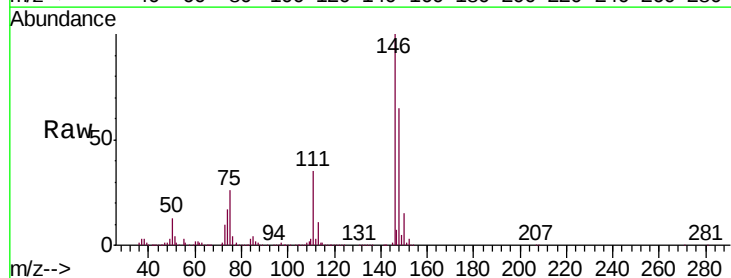
Tgt Ion:146 Resp: 2082828

Ion Ratio Lower Upper

146 100

111 35.4 24.5 45.5

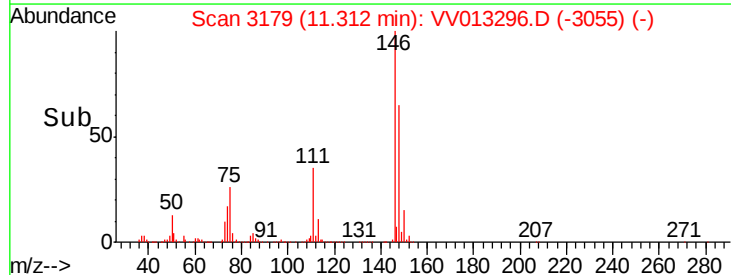
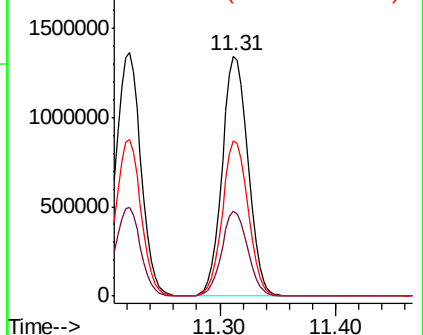
148 64.6 45.0 83.6

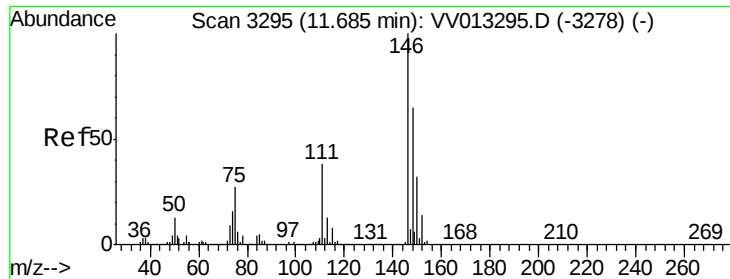


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

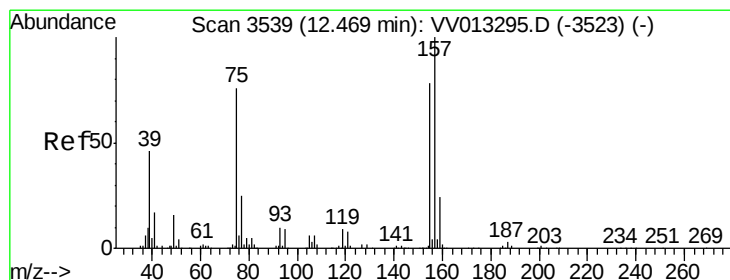
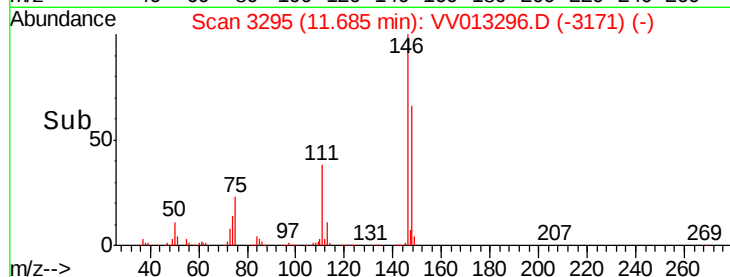
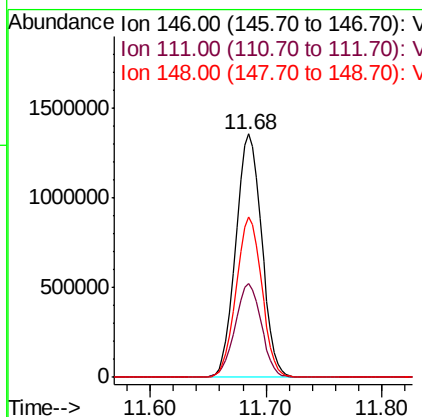
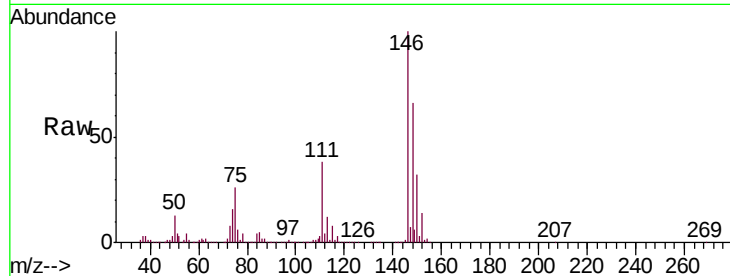




#65
 1,2-Dichlorobenzene
 Concen: 91.915 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013296.D
 Acq: 23 Oct 2019 11:26

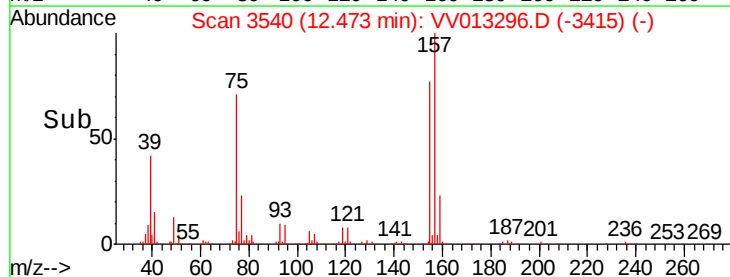
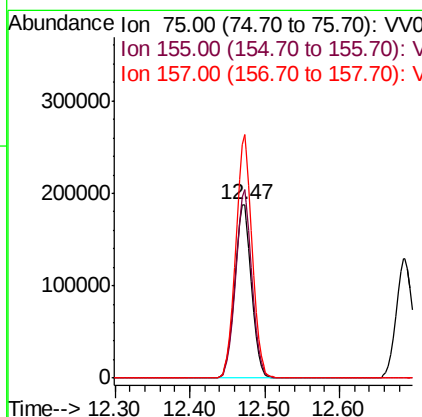
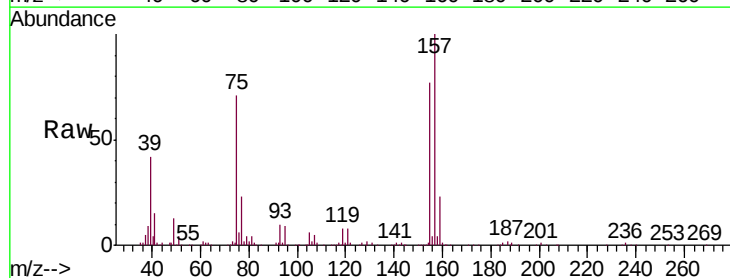
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10062

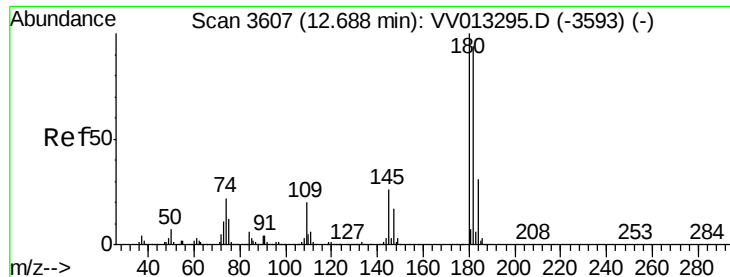
Tgt Ion: 146 Resp: 2083249
 Ion Ratio Lower Upper
 146 100
 111 38.3 30.7 46.1
 148 65.6 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 89.712 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013296.D
 Acq: 23 Oct 2019 11:26

Tgt Ion: 75 Resp: 291842
 Ion Ratio Lower Upper
 75 100
 155 108.5 81.8 122.8
 157 140.4 105.4 158.2

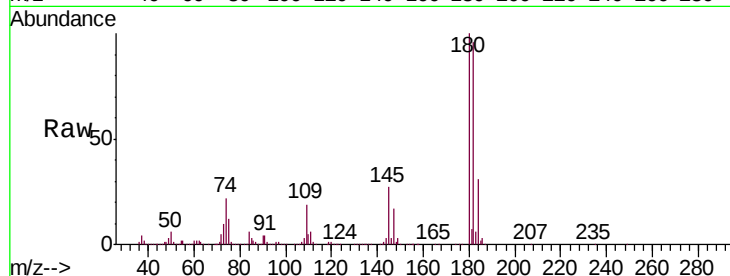




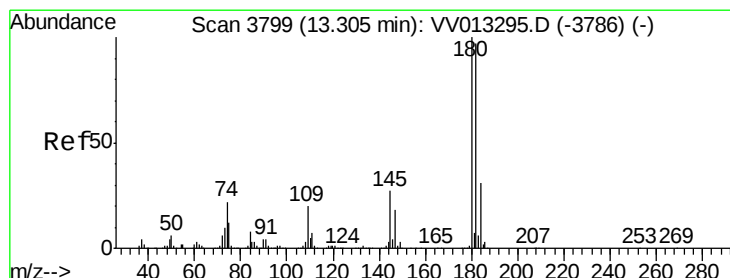
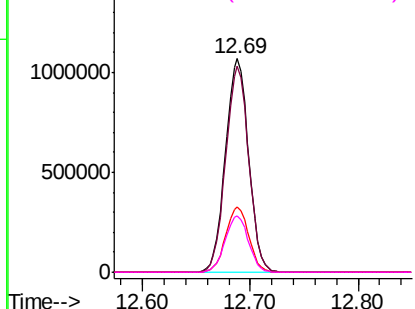
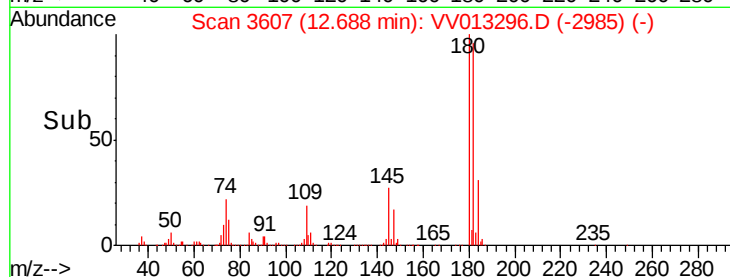
#67
 1,3,5-Trichlorobenzene
 Concen: 99.891 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013296.D
 Acq: 23 Oct 2019 11:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10062

Tgt Ion:180 Resp: 1599307
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.3 114.5
 184 30.5 24.8 37.2
 145 26.7 21.2 31.8

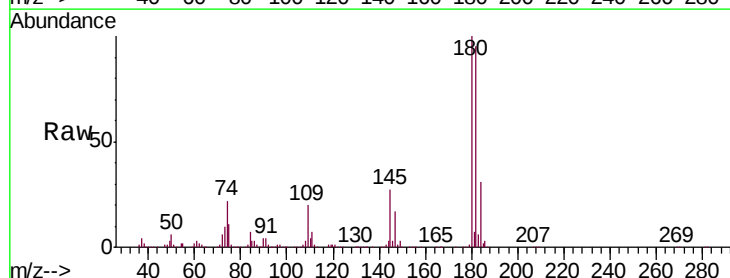


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

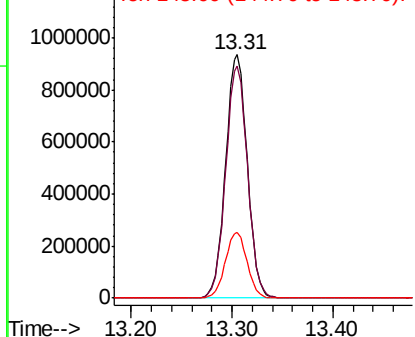
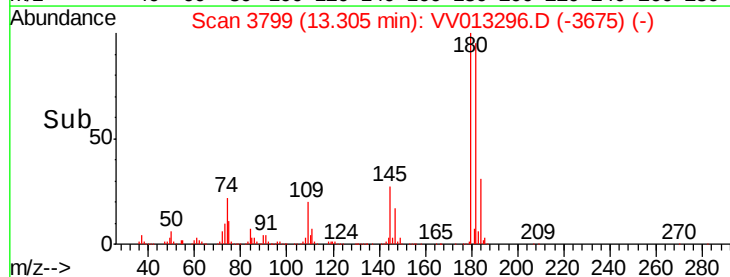


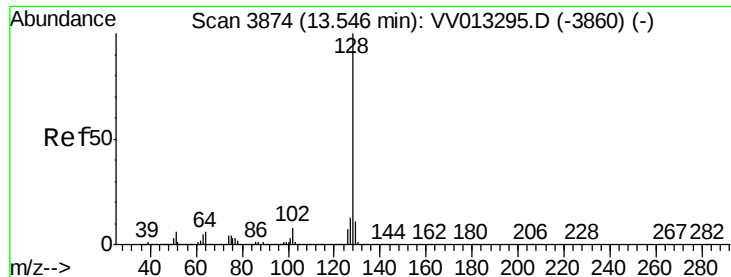
#68
 1,2,4-trichlorobenzene
 Concen: 102.994 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013296.D
 Acq: 23 Oct 2019 11:26

Tgt Ion:180 Resp: 1410512
 Ion Ratio Lower Upper
 180 100
 182 95.6 77.3 115.9
 145 27.2 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: 110.829 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013296.D

Acq: 23 Oct 2019 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD10062

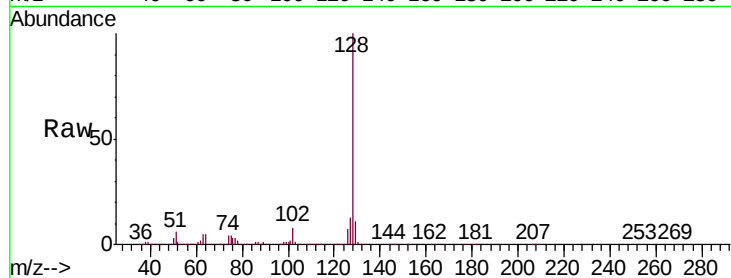
Tgt Ion:128 Resp: 4173634

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

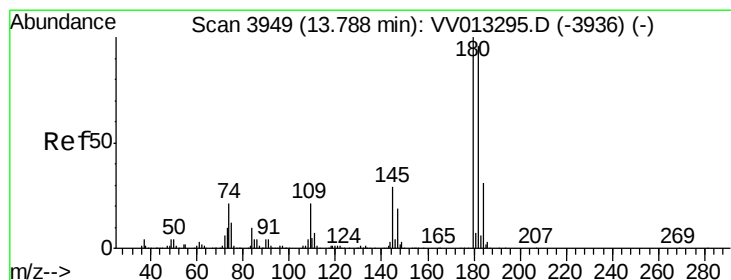
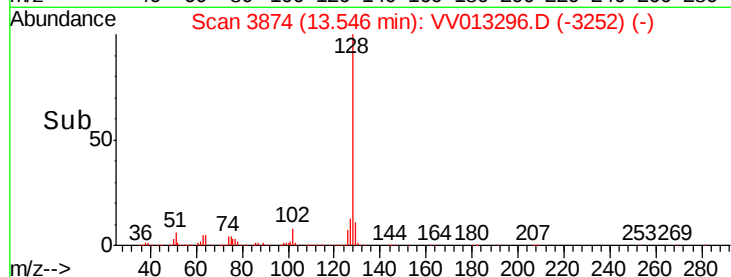
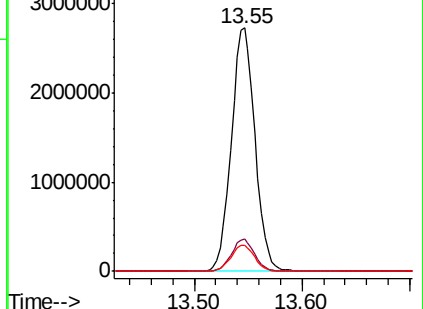
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 101.900 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013296.D

Acq: 23 Oct 2019 11:26

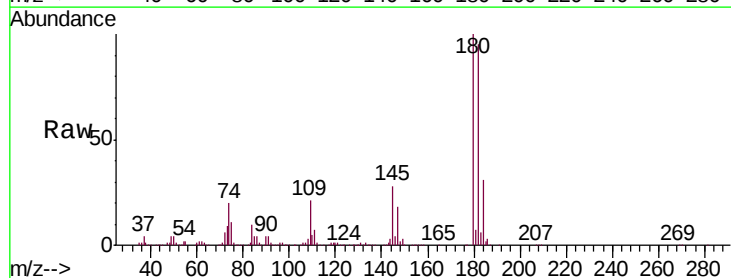
Tgt Ion:180 Resp: 1494393

Ion Ratio Lower Upper

180 100

182 95.4 77.0 115.6

145 28.5 23.4 35.2



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

