

Data File : VU035049.D
Acq On : 10 Oct 2019 15:33
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Quant Time: Oct 11 02:50:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 11 02:39:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	168066	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	172097	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	88493	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	52856	5.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.40%
7) Chloroethane-d5	1.67	69	48689	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.00%
11) 1,1-Dichloroethene-d2	2.26	63	107206	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.40%
20) 2-Butanone-d5	4.18	46	158150	54.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.12%
24) Chloroform-d	4.62	84	91980	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.29	65	54962	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.32	84	191248	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.31	67	65312	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.54	98	181701	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	7.83	79	22557	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
46) 2-Hexanone-d5	8.30	63	119561	51.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.56%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	57801	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	11.84	152	69894	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	78247	5.094 ug/L	97
3) Chloromethane	1.32	50	87731	5.207 ug/L	99
5) Vinyl chloride	1.40	62	86274	5.213 ug/L	99
6) Bromomethane	1.62	94	49243	5.353 ug/L	96
8) Chloroethane	1.69	64	53944	5.435 ug/L	95
9) Trichlorofluoromethane	1.88	101	106814	5.337 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	60139	5.233 ug/L	98
12) 1,1-Dichloroethene	2.27	96	54686	5.066 ug/L	83
13) Acetone	2.32	43	132323	55.223 ug/L	95
14) Carbon disulfide	2.46	76	171839	4.783 ug/L	99
15) Methyl Acetate	2.61	43	33725	5.287 ug/L	96
16) Methylene chloride	2.68	84	65788	4.923 ug/L	85
17) Methyl tert-butyl Ether	2.99	73	158044	5.366 ug/L	98
18) trans-1,2-Dichloroethene	2.96	96	58236	5.038 ug/L	95
19) 1,1-Dichloroethane	3.42	63	121094	5.271 ug/L	99
21) 2-Butanone	4.26	43	184465	54.058 ug/L	94
22) cis-1,2-Dichloroethene	4.20	96	65238	5.060 ug/L	87

Data File : VU035049.D
Acq On : 10 Oct 2019 15:33
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

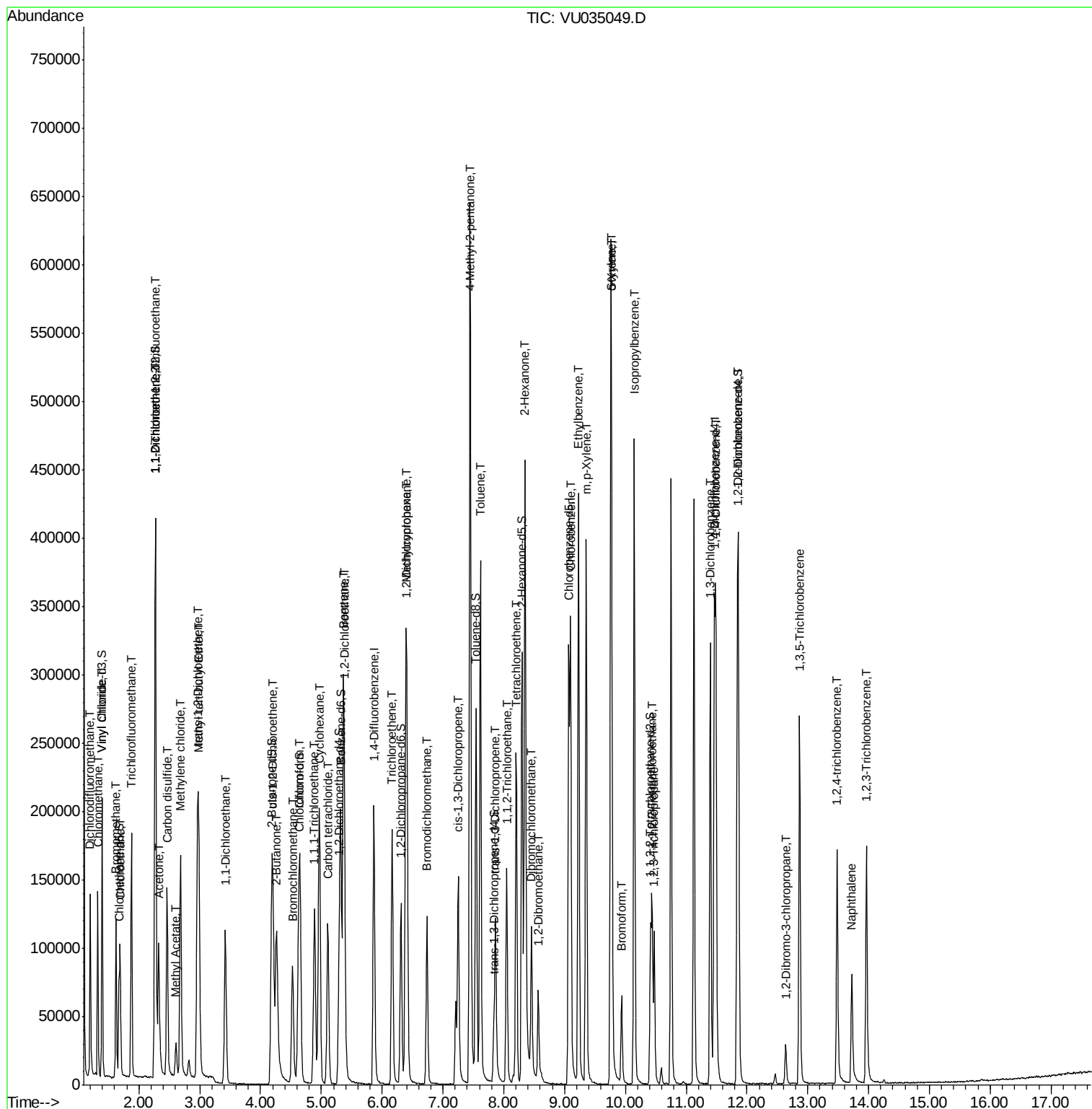
Quant Time: Oct 11 02:50:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 11 02:39:08 2019
Response via : Initial Calibration

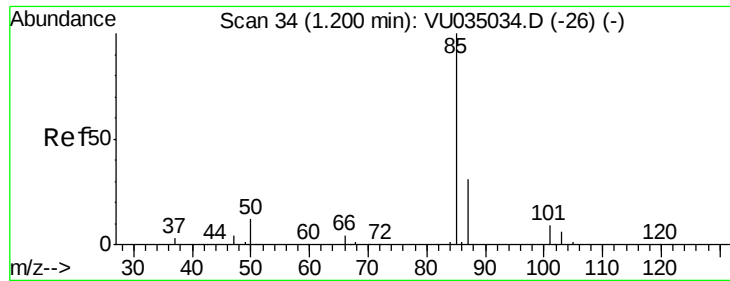
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.53	128	29777	5.510	ug/L	94
25) Chloroform	4.65	83	132306	5.125	ug/L	100
27) 1,2-Dichloroethane	5.39	62	78028	5.176	ug/L	97
29) 1,1,1-Trichloroethane	4.89	97	97245	5.031	ug/L	98
30) Cyclohexane	4.97	56	103154	4.854	ug/L	95
31) Carbon tetrachloride	5.11	117	83116	4.959	ug/L	99
33) Benzene	5.37	78	262798	5.069	ug/L	100
34) Trichloroethene	6.16	95	65879	4.928	ug/L	98
35) Methylcyclohexane	6.39	83	102897	4.752	ug/L	97
37) 1,2-Dichloropropane	6.41	63	72577	5.190	ug/L	100
38) Bromodichloromethane	6.74	83	82774	5.049	ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	93591	4.941	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	465074	52.843	ug/L	95
42) Toluene	7.62	91	283371	5.237	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	74421	5.072	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	48391	5.212	ug/L	93
47) Tetrachloroethene	8.21	164	54478	5.034	ug/L	92
48) 2-Hexanone	8.35	43	324112	53.712	ug/L	96
49) Dibromochloromethane	8.46	129	54373	5.067	ug/L	98
50) 1,2-Dibromoethane	8.57	107	46208	5.207	ug/L	98
51) Chlorobenzene	9.10	112	176715	5.039	ug/L	98
52) Ethylbenzene	9.23	91	301698	5.048	ug/L	99
53) m,p-Xylene	9.36	106	113269	5.131	ug/L	95
54) o-Xylene	9.76	106	109792	5.085	ug/L	94
55) Styrene	9.77	104	185798	5.314	ug/L	99
56) Isopropylbenzene	10.15	105	293532	5.103	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	66576	5.273	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	47005	5.193	ug/L	99
61) Bromoform	9.94	173	29094	4.794	ug/L	96
62) 1,3-Dichlorobenzene	11.40	146	139229	5.107	ug/L	97
63) 1,4-Dichlorobenzene	11.49	146	136018	4.944	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	132085	5.021	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	8332	4.984	ug/L	97
67) 1,3,5-Trichlorobenzene	12.87	180	91106	4.935	ug/L	98
68) 1,2,4-trichlorobenzene	13.48	180	61077	4.430	ug/L	97
69) Naphthalene	13.72	128	80755	3.767	ug/L	98
70) 1,2,3-Trichlorobenzene	13.96	180	60600	4.520	ug/L	99

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

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Quant Time: Oct 11 02:50:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 11 02:39:08 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.094 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU035049.D

Acq: 10 Oct 2019 15:33

Instrument :

MSVOA_U

ClientSampleId :

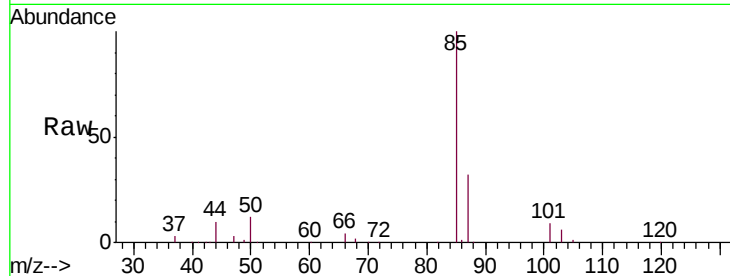
VSTD00512

Tgt Ion: 85 Resp: 78247

Ion Ratio Lower Upper

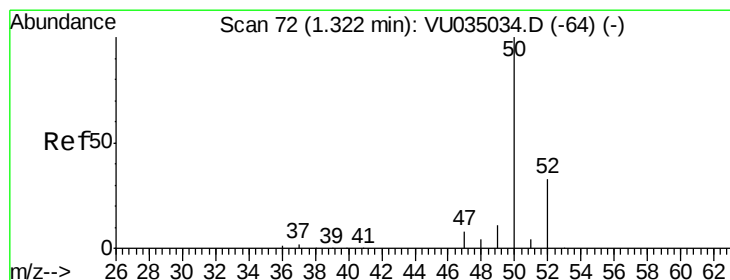
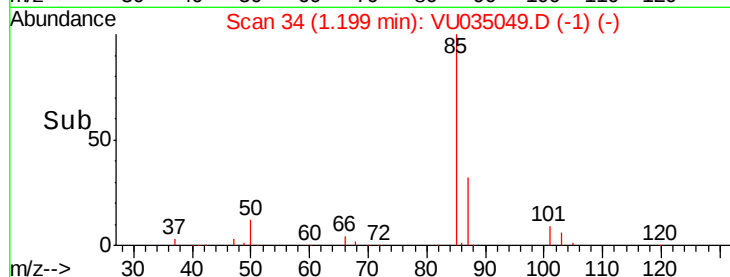
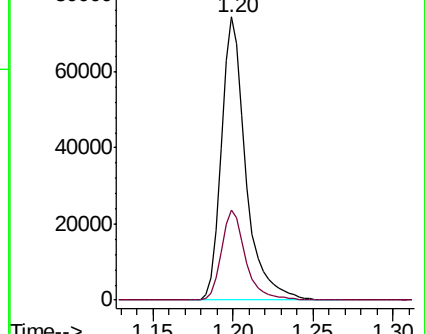
85 100

87 31.5 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU035034.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU035034.D (-26) (-)



#3

Chloromethane

Concen: 5.207 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU035049.D

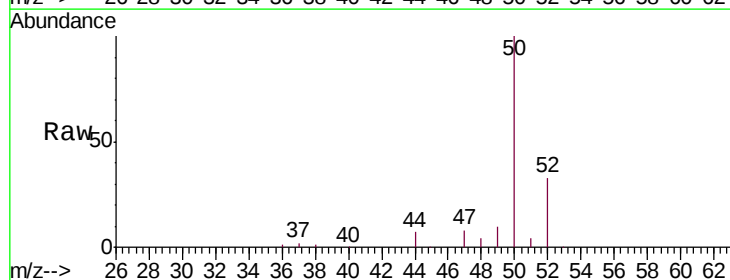
Acq: 10 Oct 2019 15:33

Tgt Ion: 50 Resp: 87731

Ion Ratio Lower Upper

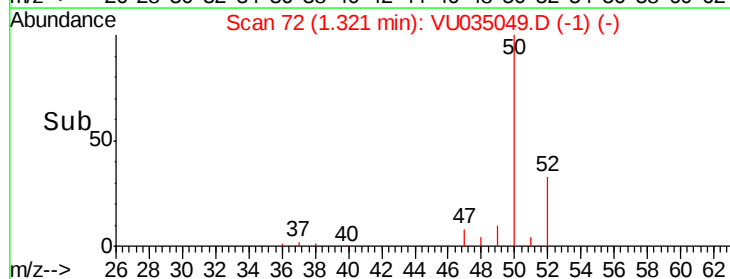
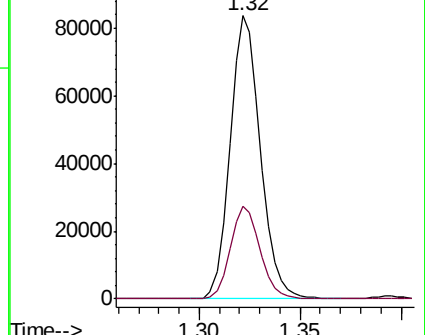
50 100

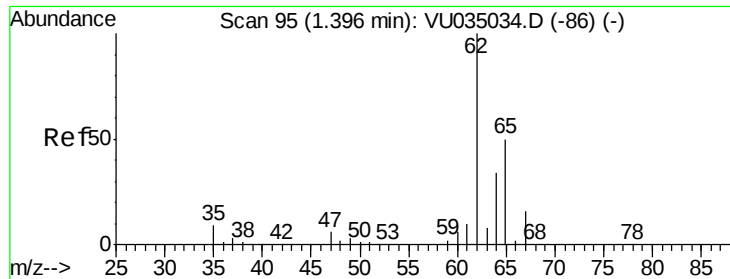
52 32.6 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU035034.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU035034.D (-64) (-)





#5

Vinyl chloride

Concen: 5.213 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU035049.D

Acq: 10 Oct 2019 15:33

Instrument :

MSVOA_U

ClientSampleId :

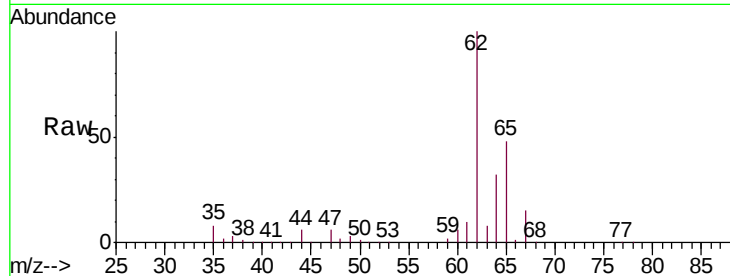
VSTD00512

Tgt Ion: 62 Resp: 86274

Ion Ratio Lower Upper

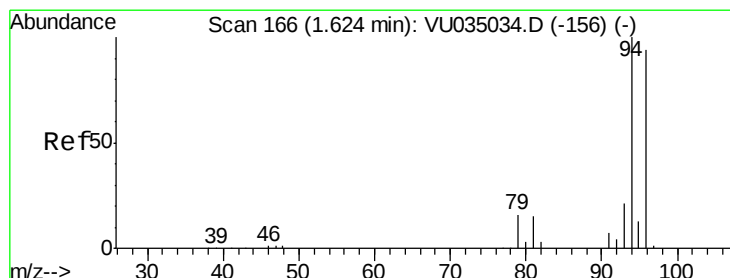
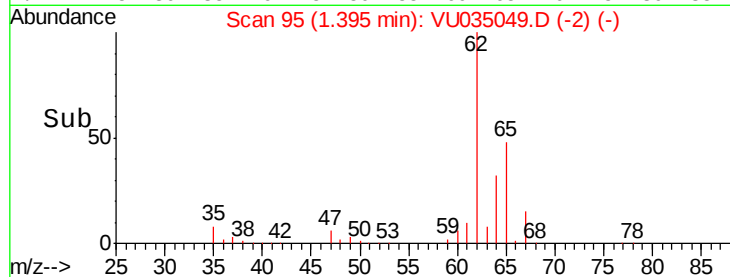
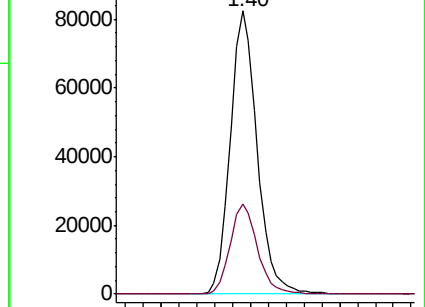
62 100

64 31.9 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU035034.D (-86) (-)

Ion 64.10 (63.80 to 64.80): VU035034.D (-86) (-)



#6

Bromomethane

Concen: 5.353 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035049.D

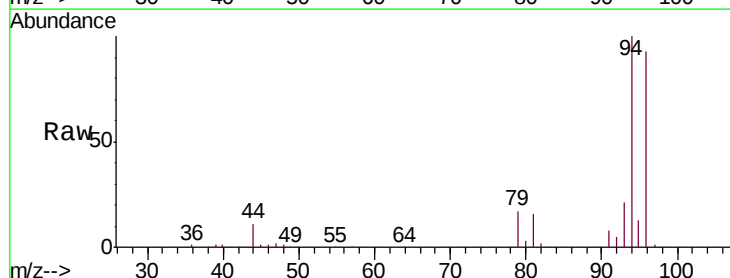
Acq: 10 Oct 2019 15:33

Tgt Ion: 94 Resp: 49243

Ion Ratio Lower Upper

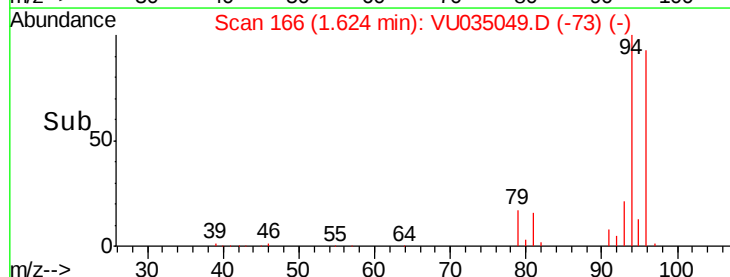
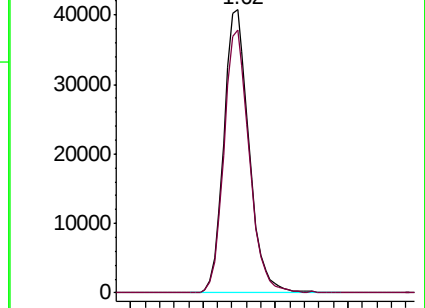
94 100

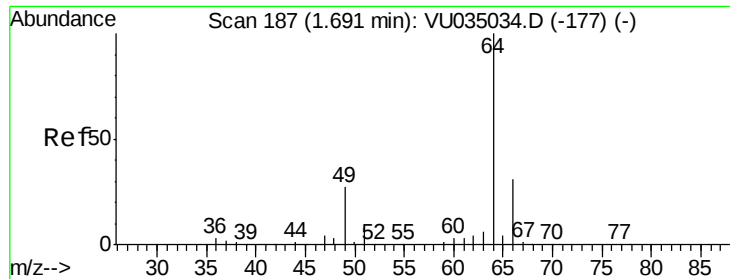
96 92.9 62.4 116.0



Abundance Ion 94.00 (93.70 to 94.70): VU035034.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU035034.D (-156) (-)

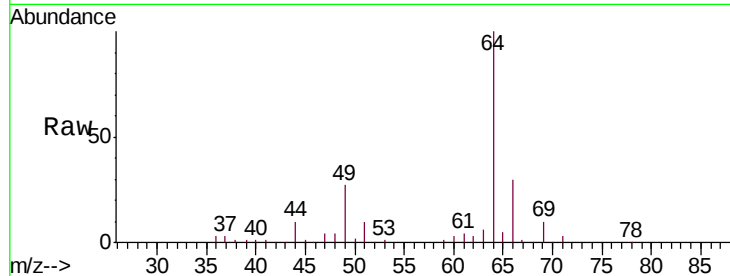




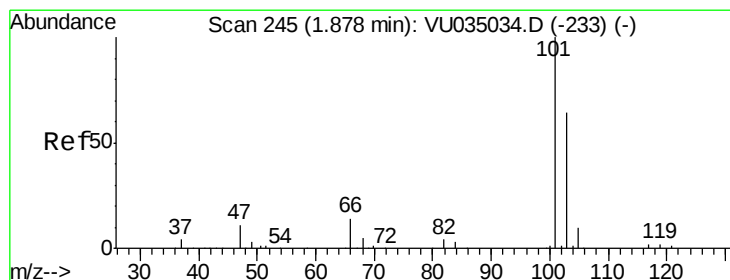
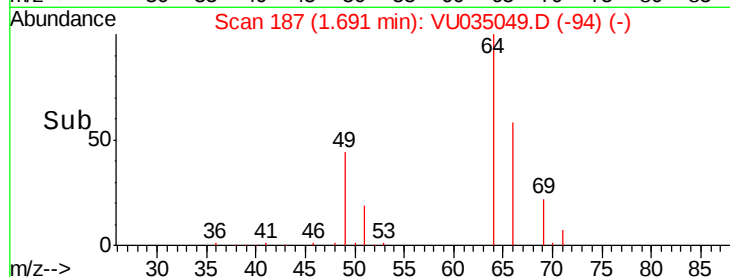
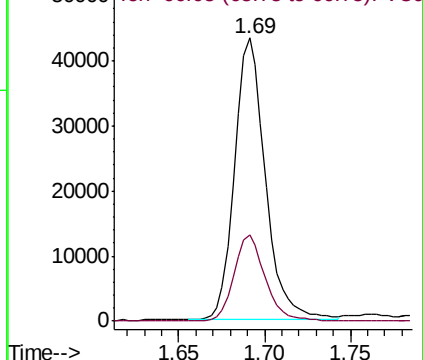
#8
Chloroethane
Concen: 5.435 ug/L
RT: 1.69 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU035049.D
Acq: 10 Oct 2019 15:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tgt Ion: 64 Resp: 53944
Ion Ratio Lower Upper
64 100
66 30.4 23.2 43.2

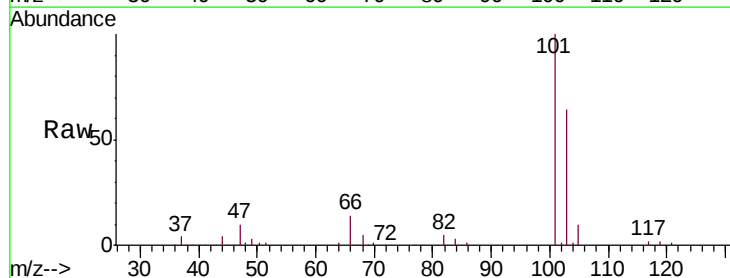


Abundance Ion 64.10 (63.80 to 64.80): VU035034.D (-177) (-)
Ion 66.05 (65.75 to 66.75): VU035034.D (-177) (-)

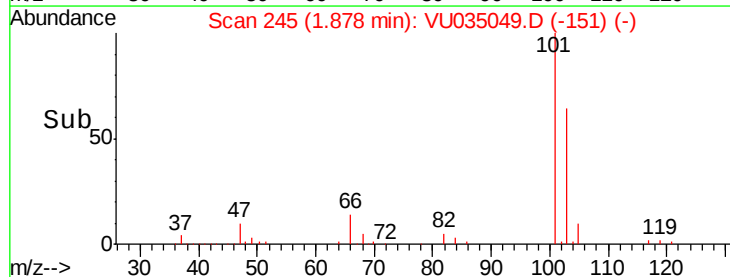
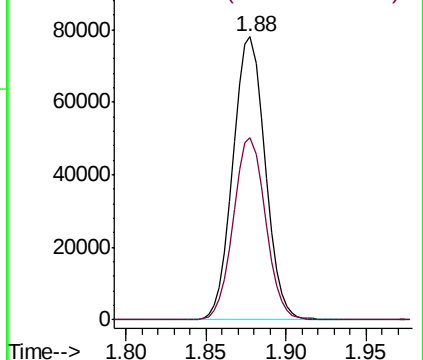


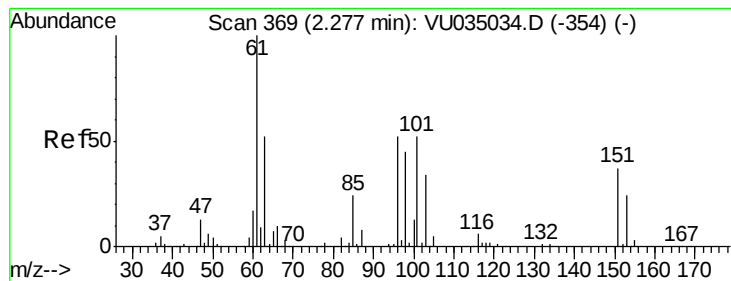
#9
Trichlorofluoromethane
Concen: 5.337 ug/L
RT: 1.88 min Scan# 245
Delta R.T. 0.00 min
Lab File: VU035049.D
Acq: 10 Oct 2019 15:33

Tgt Ion: 101 Resp: 106814
Ion Ratio Lower Upper
101 100
103 64.3 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU035034.D (-233) (-)
Ion 103.00 (102.70 to 103.70): VU035034.D (-233) (-)





#10

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

Concen: 5.233 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU035049.D

Acq: 10 Oct 2019 15:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

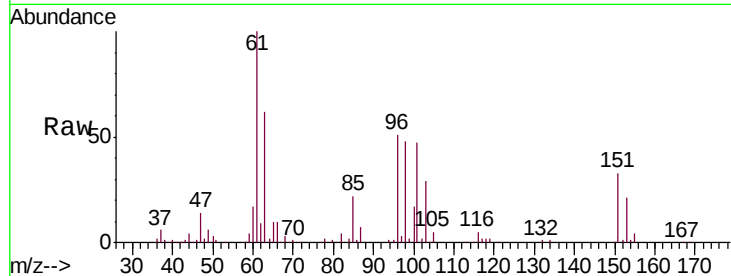
Tgt Ion: 101 Resp: 60139

Ion Ratio Lower Upper

101 100

85 46.7 37.4 56.0

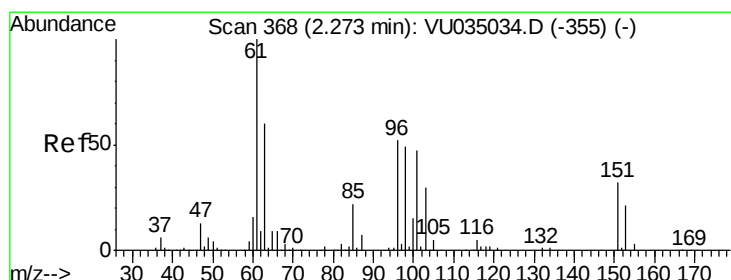
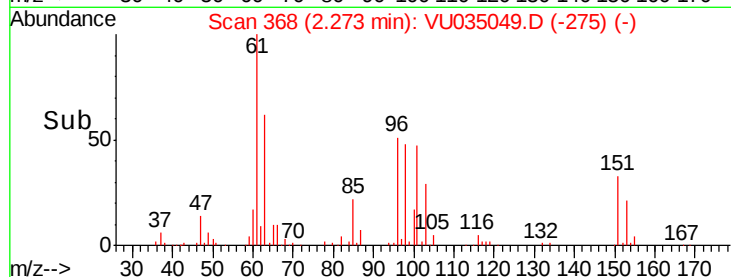
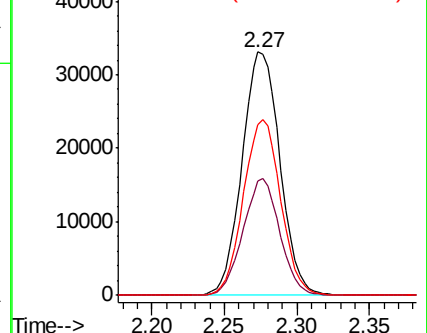
151 71.0 58.6 87.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.066 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU035049.D

Acq: 10 Oct 2019 15:33

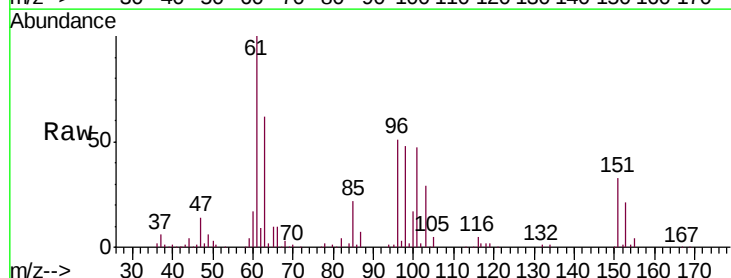
Tgt Ion: 96 Resp: 54686

Ion Ratio Lower Upper

96 100

61 197.7 129.3 240.1

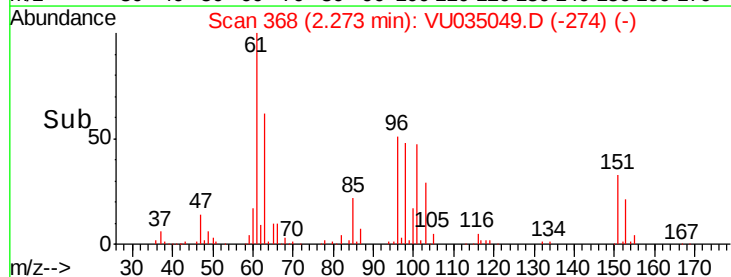
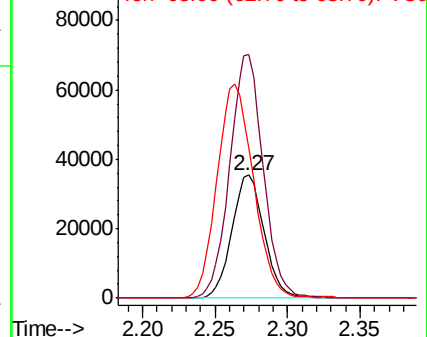
63 121.8 108.9 202.3

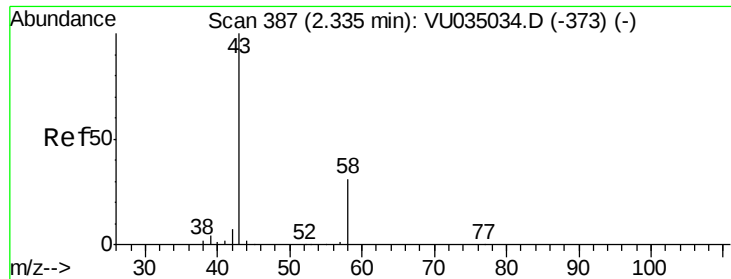


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 55.223 ug/L

RT: 2.32 min Scan# 384

Delta R.T. -0.01 min

Lab File: VU035049.D

Acq: 10 Oct 2019 15:33

Instrument :

MSVOA_U

ClientSampleId :

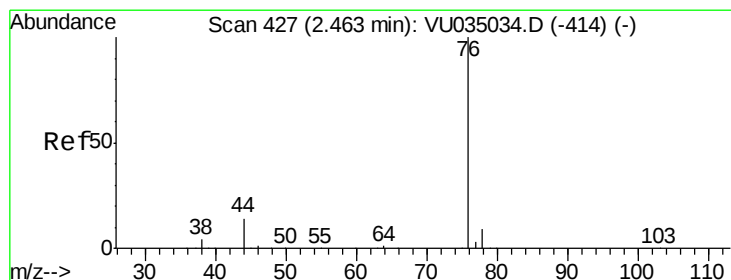
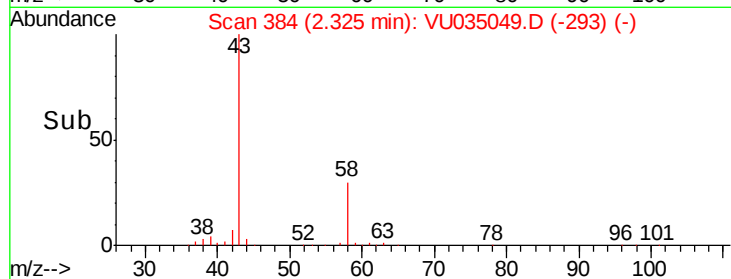
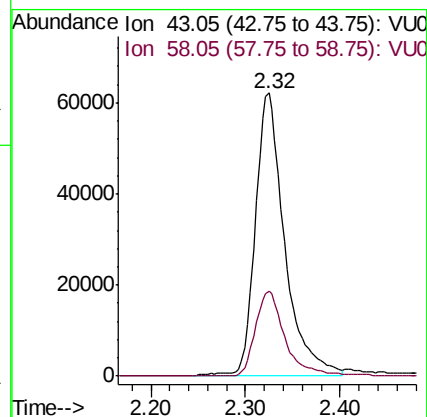
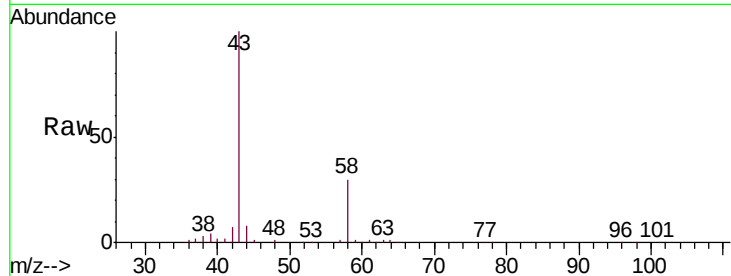
VSTD00512

Tgt Ion: 43 Resp: 132323

Ion Ratio Lower Upper

43 100

58 30.7 0.0 66.6



#14

Carbon disulfide

Concen: 4.783 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU035049.D

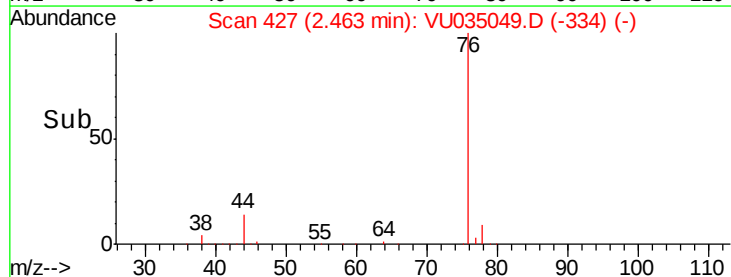
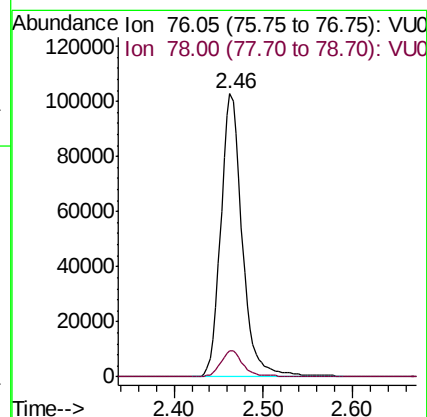
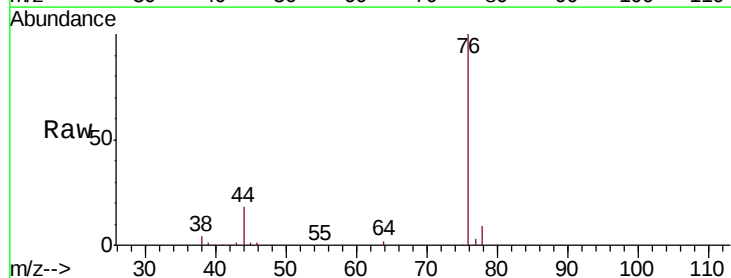
Acq: 10 Oct 2019 15:33

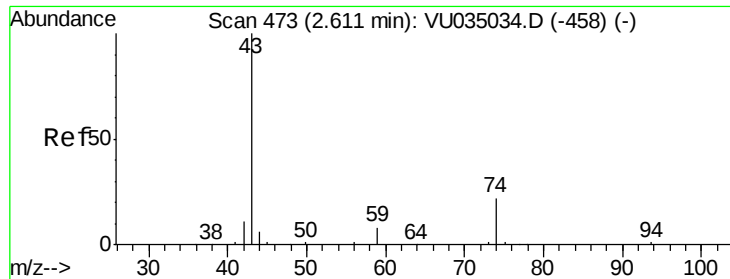
Tgt Ion: 76 Resp: 171839

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

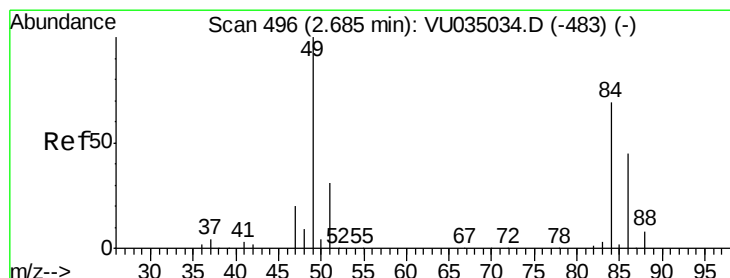
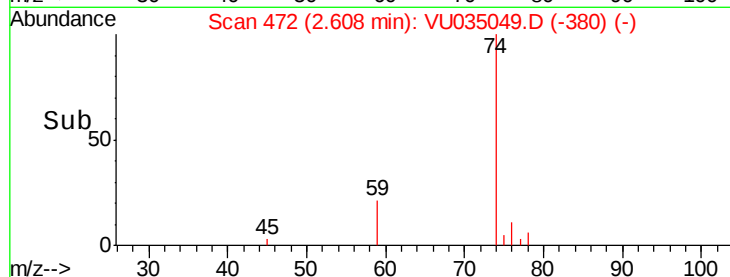
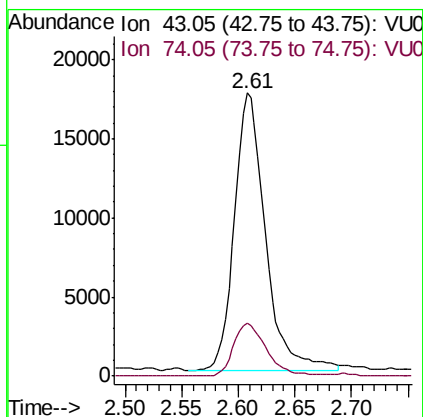
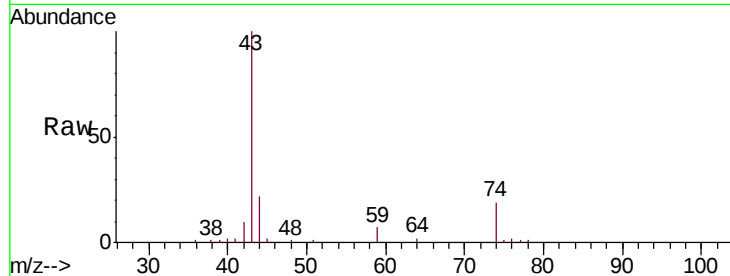




#15
Methyl Acetate
Concen: 5.287 ug/L
RT: 2.61 min Scan# 472
Delta R.T. -0.00 min
Lab File: VU035049.D
Acq: 10 Oct 2019 15:33

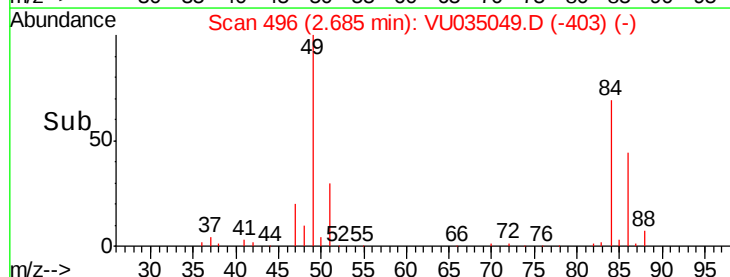
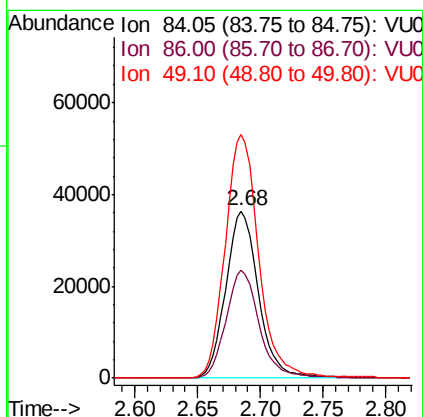
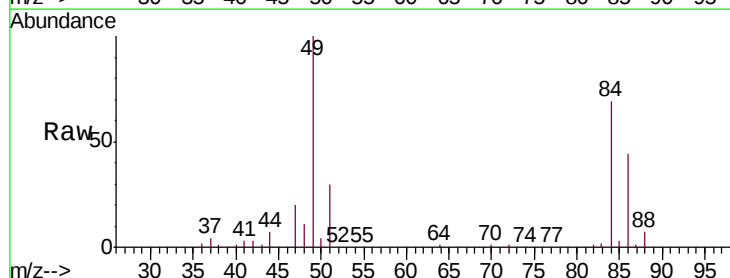
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

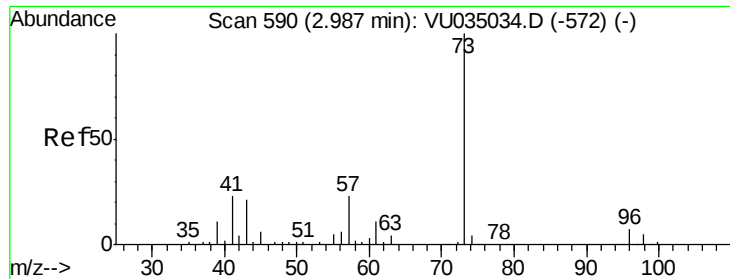
Tgt Ion: 43 Resp: 33725
Ion Ratio Lower Upper
43 100
74 20.3 17.8 26.8



#16
Methylene chloride
Concen: 4.923 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU035049.D
Acq: 10 Oct 2019 15:33

Tgt Ion: 84 Resp: 65788
Ion Ratio Lower Upper
84 100
86 64.5 42.5 78.9
49 145.9 86.9 161.3

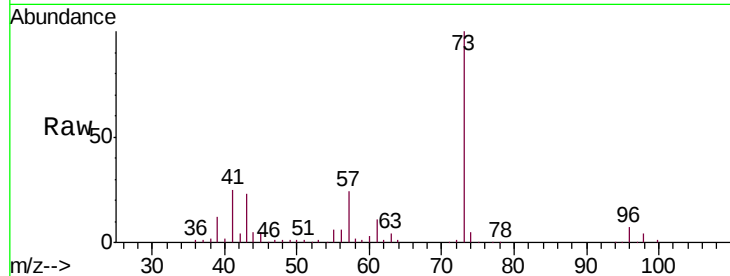




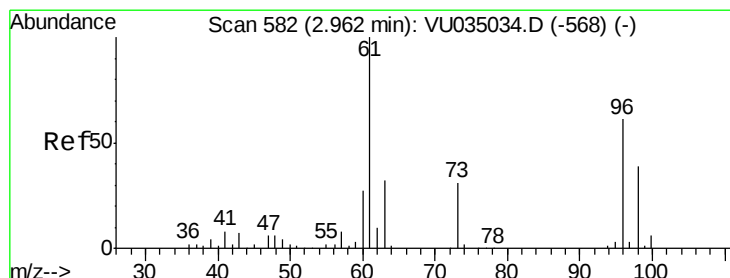
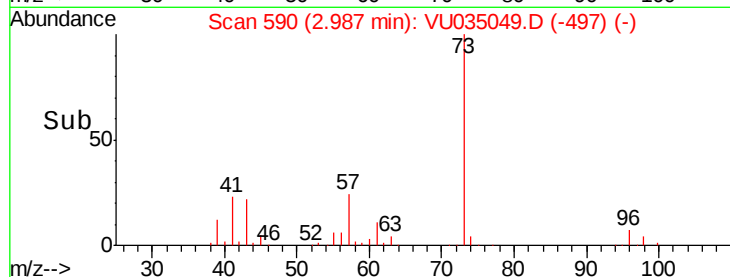
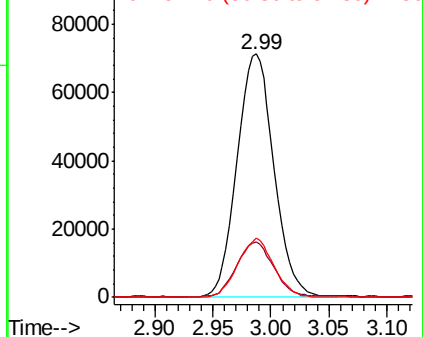
#17
Methyl tert-butyl Ether
Concen: 5.366 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU035049.D
Acq: 10 Oct 2019 15:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tgt Ion: 73 Resp: 158044
Ion Ratio Lower Upper
73 100
43 22.3 16.3 24.5
57 23.5 18.6 28.0

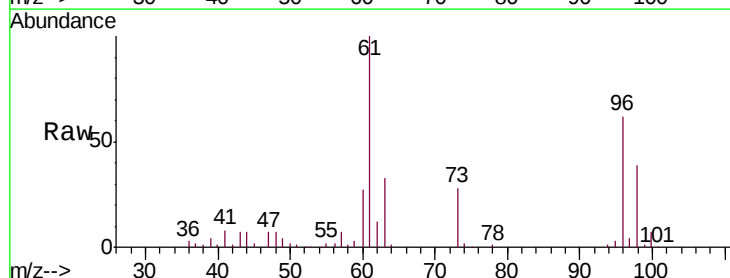


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

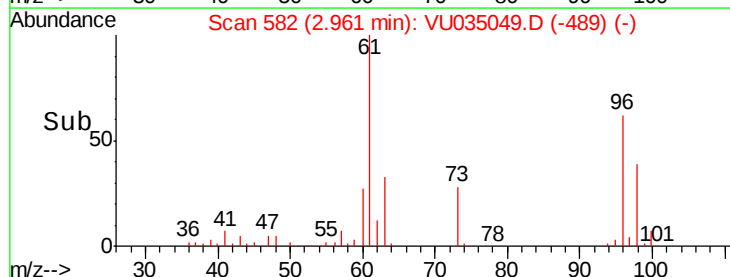
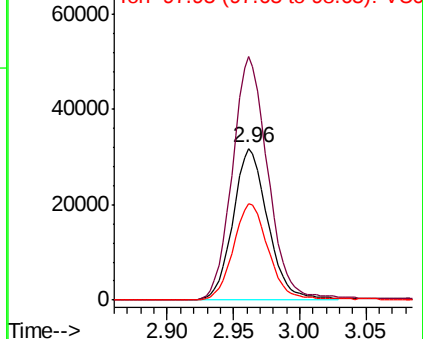


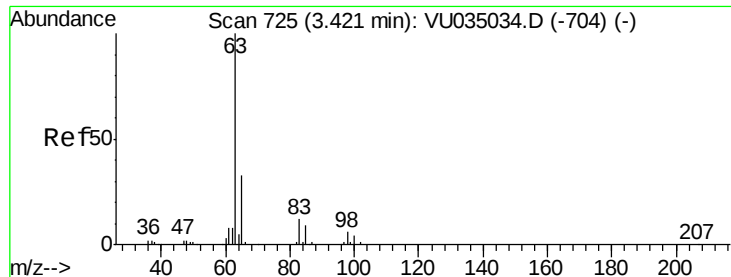
#18
trans-1,2-Dichloroethene
Concen: 5.038 ug/L
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU035049.D
Acq: 10 Oct 2019 15:33

Tgt Ion: 96 Resp: 58236
Ion Ratio Lower Upper
96 100
61 160.3 107.1 198.9
98 63.3 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 5.271 ug/L

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU035049.D

Acq: 10 Oct 2019 15:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

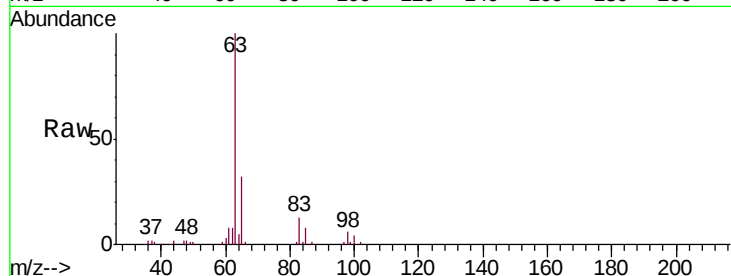
Tgt Ion: 63 Resp: 121094

Ion Ratio Lower Upper

63 100

65 31.6 21.7 40.3

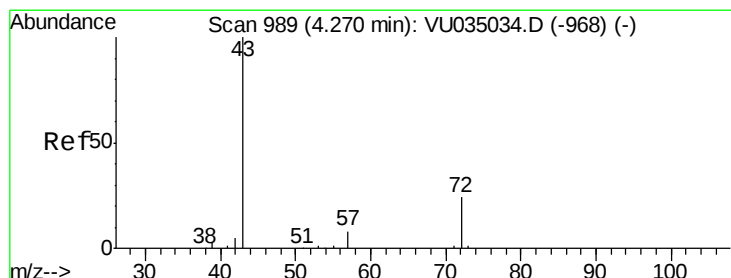
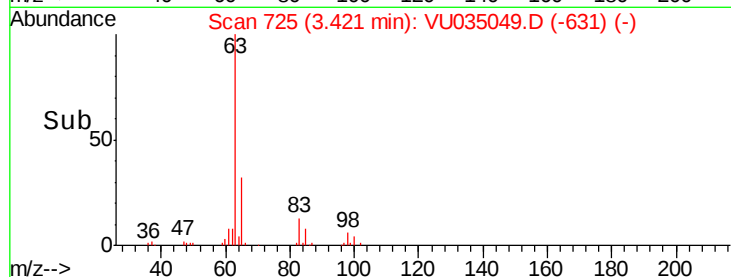
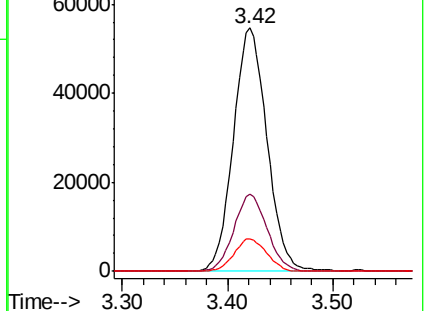
83 13.4 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VU035049.D (-631) (-)

Ion 65.10 (64.80 to 65.80): VU035049.D (-631) (-)

Ion 83.05 (82.75 to 83.75): VU035049.D (-631) (-)



#21

2-Butanone

Concen: 54.058 ug/L

RT: 4.26 min Scan# 987

Delta R.T. -0.00 min

Lab File: VU035049.D

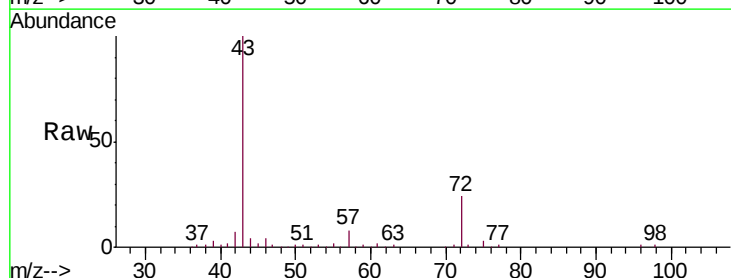
Acq: 10 Oct 2019 15:33

Tgt Ion: 43 Resp: 184465

Ion Ratio Lower Upper

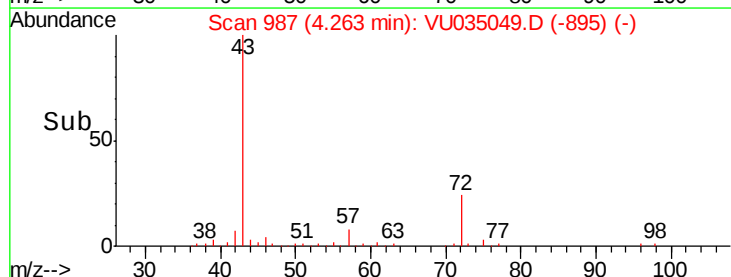
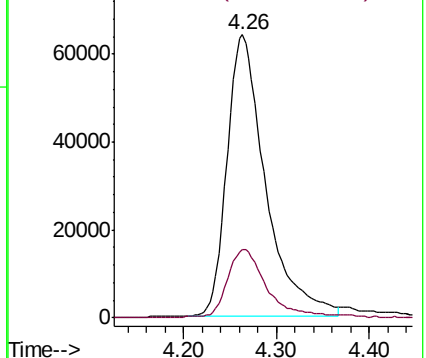
43 100

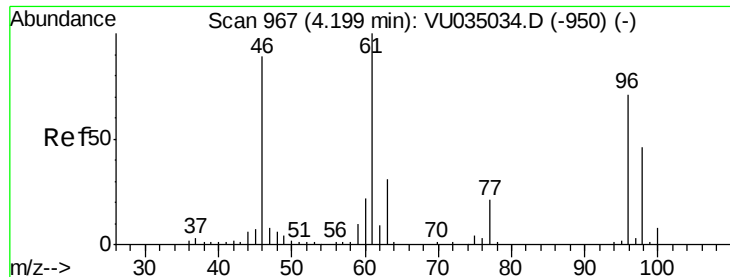
72 23.6 13.5 40.4



Abundance Ion 43.05 (42.75 to 43.75): VU035049.D (-895) (-)

Ion 72.10 (71.80 to 72.80): VU035049.D (-895) (-)



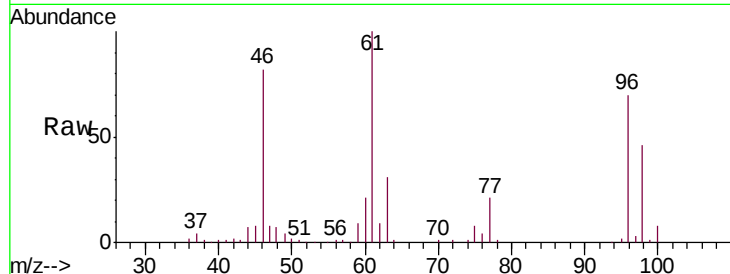


#22

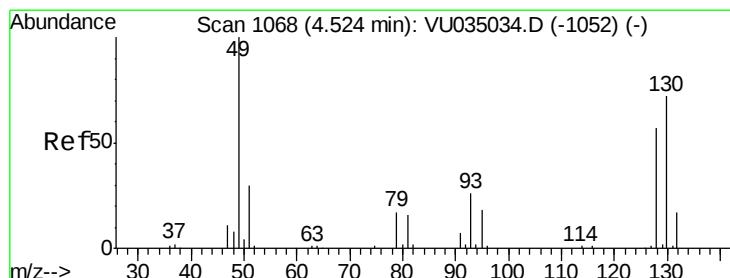
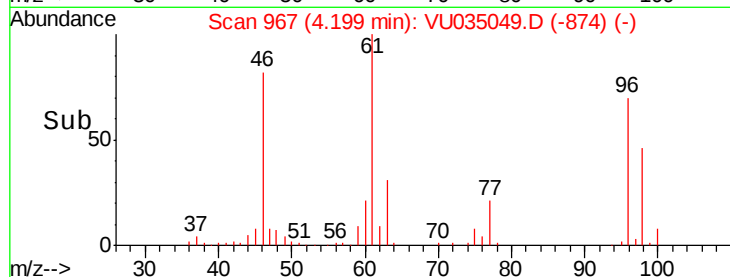
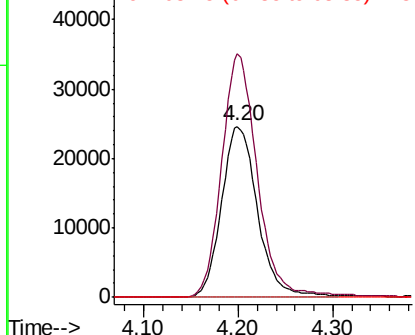
cis-1,2-Dichloroethene
Concen: 5.060 ug/L
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU035049.D
Acq: 10 Oct 2019 15:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tgt Ion: 96 Resp: 65238
Ion Ratio Lower Upper
96 100
61 142.5 89.2 165.6
68 0.0 0.0 0.0



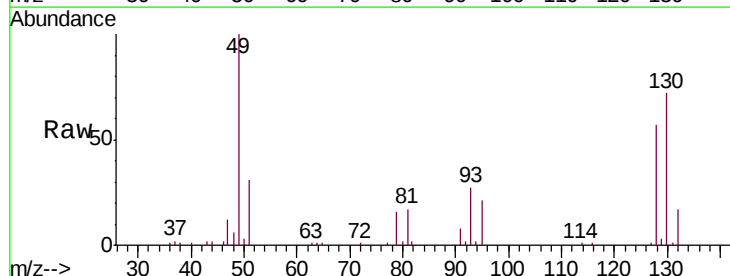
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



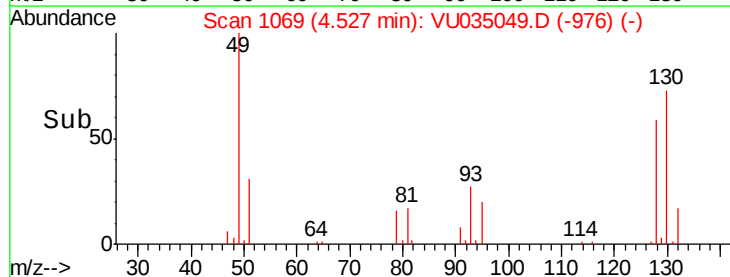
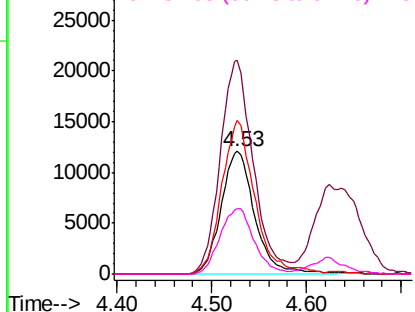
#23

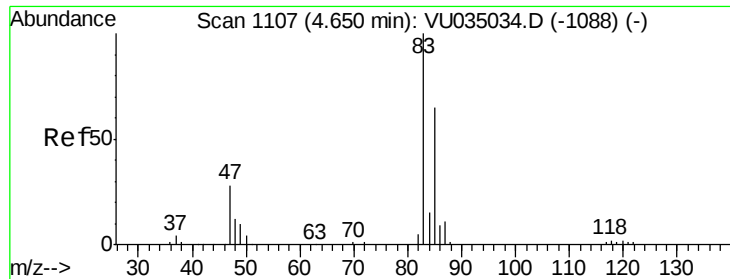
Bromochloromethane
Concen: 5.510 ug/L
RT: 4.53 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VU035049.D
Acq: 10 Oct 2019 15:33

Tgt Ion: 128 Resp: 29777
Ion Ratio Lower Upper
128 100
49 174.3 110.5 205.3
130 124.9 88.6 164.6
51 53.7 43.2 64.8



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

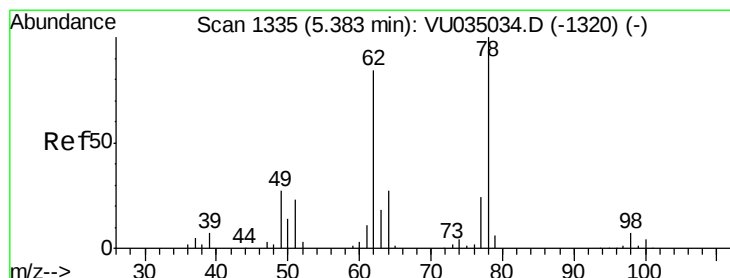
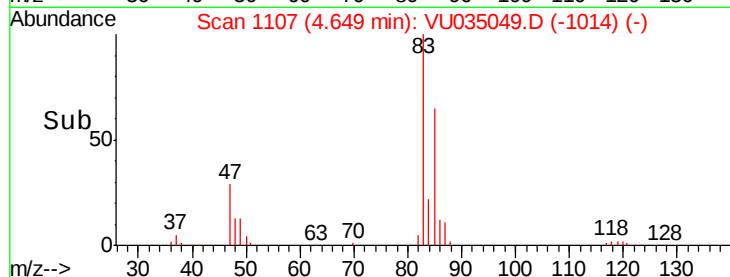
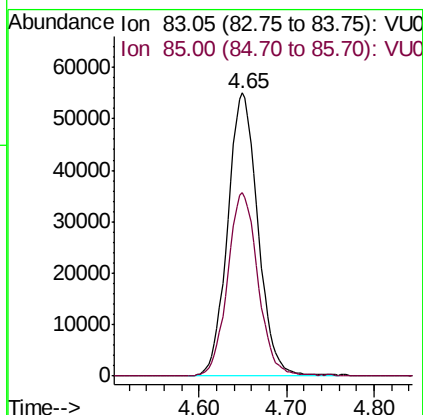
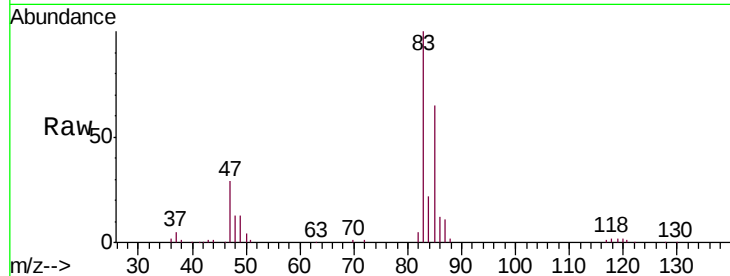




#25
Chloroform
Concen: 5.125 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU035049.D
Acq: 10 Oct 2019 15:33

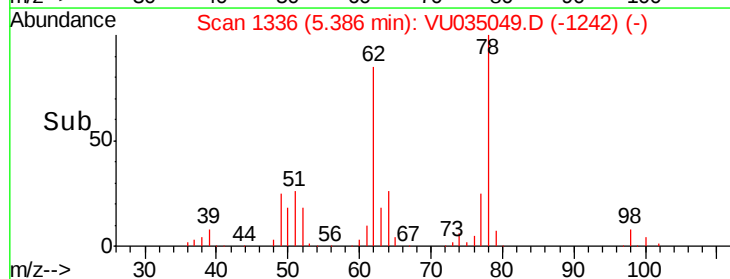
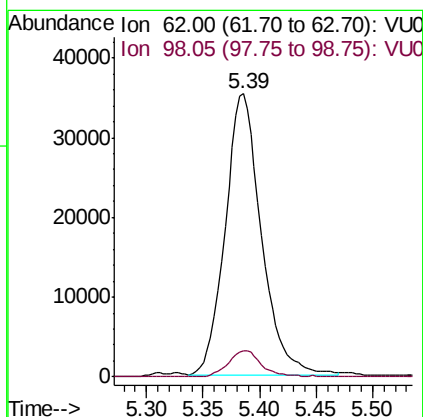
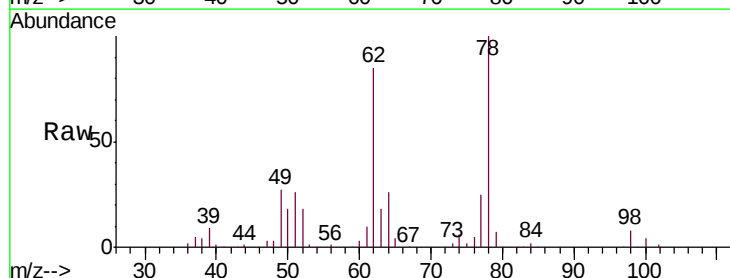
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

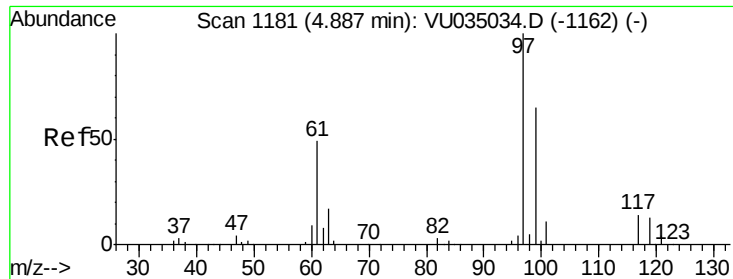
Tgt Ion: 83 Resp: 132306
Ion Ratio Lower Upper
83 100
85 64.7 45.4 84.4



#27
1,2-Dichloroethane
Concen: 5.176 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU035049.D
Acq: 10 Oct 2019 15:33

Tgt Ion: 62 Resp: 78028
Ion Ratio Lower Upper
62 100
98 9.4 6.6 10.0

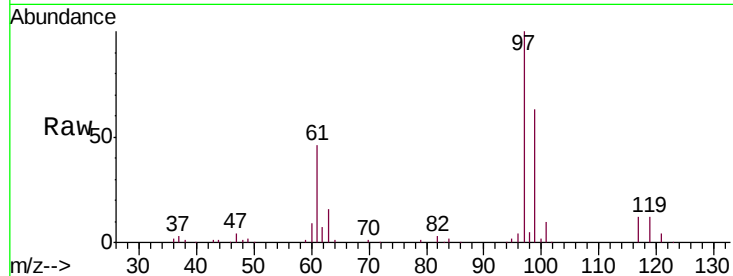




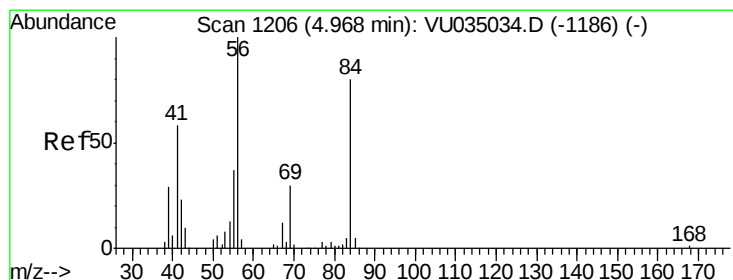
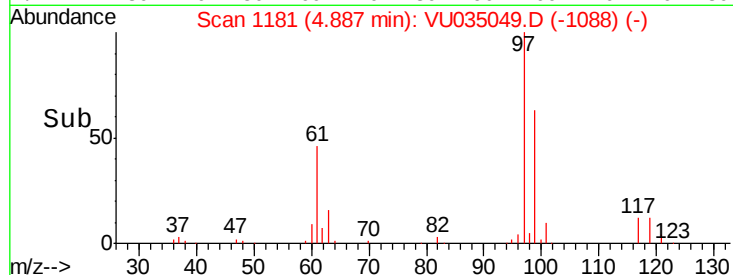
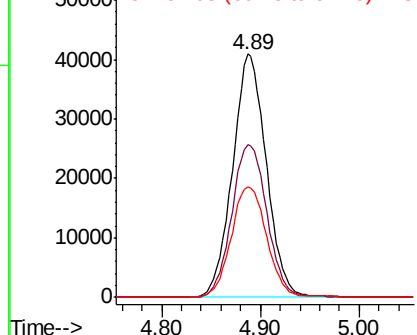
#29
 1,1,1-Trichloroethane
 Concen: 5.031 ug/L
 RT: 4.89 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VU035049.D
 Acq: 10 Oct 2019 15:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tgt Ion: 97 Resp: 97245
 Ion Ratio Lower Upper
 97 100
 99 65.3 51.6 77.4
 61 48.1 36.2 54.4

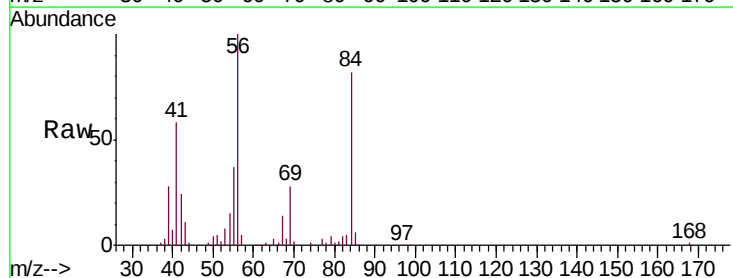


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

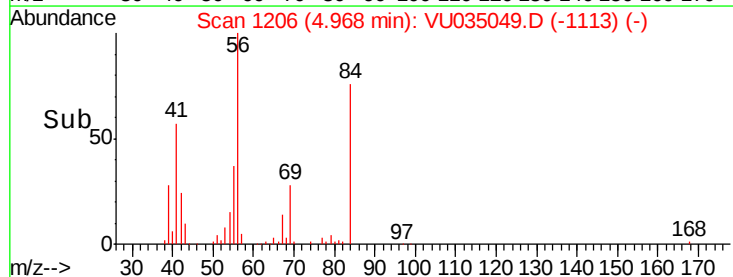
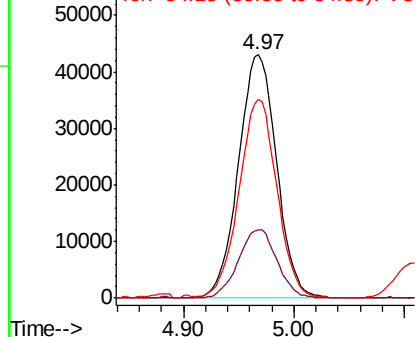


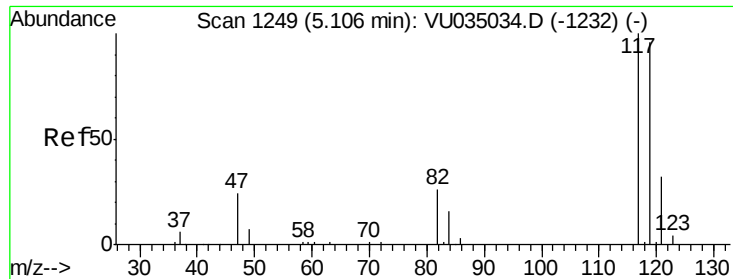
#30
 Cyclohexane
 Concen: 4.854 ug/L
 RT: 4.97 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VU035049.D
 Acq: 10 Oct 2019 15:33

Tgt Ion: 56 Resp: 103154
 Ion Ratio Lower Upper
 56 100
 69 28.4 23.9 35.9
 84 81.2 69.5 104.3



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.959 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU035049.D

Acq: 10 Oct 2019 15:33

Instrument :

MSVOA_U

ClientSampleId :

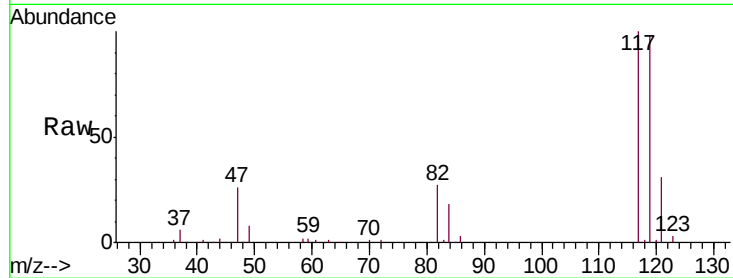
VSTD00512

Tgt Ion:117 Resp: 83116

Ion Ratio Lower Upper

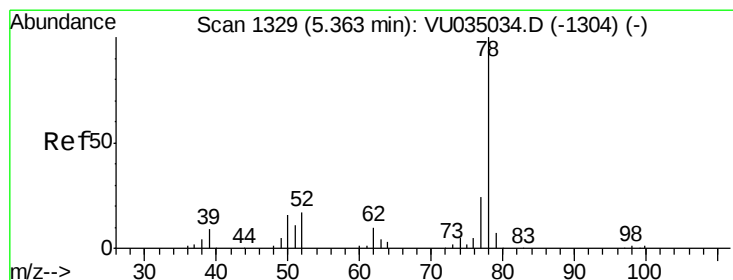
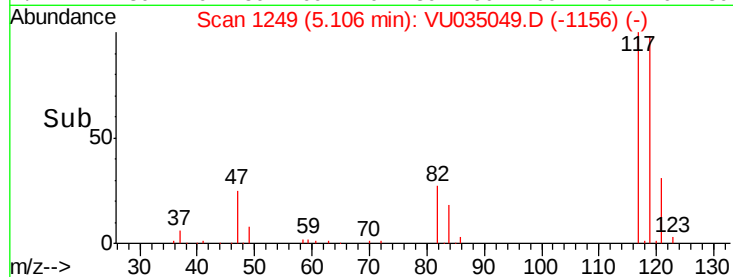
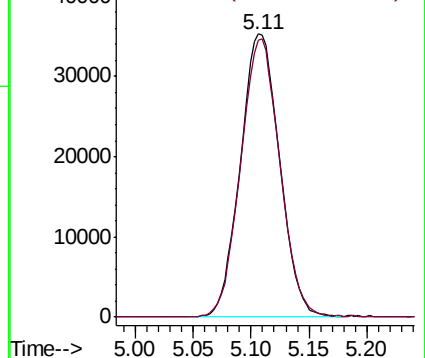
117 100

119 97.9 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.069 ug/L

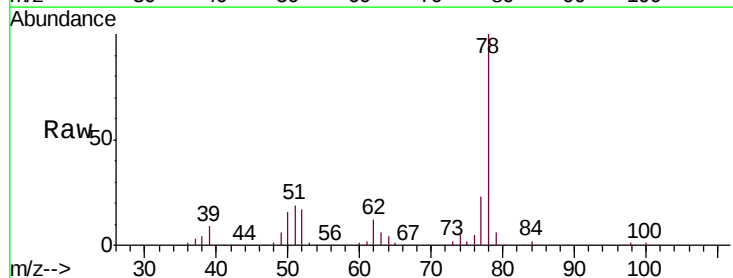
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

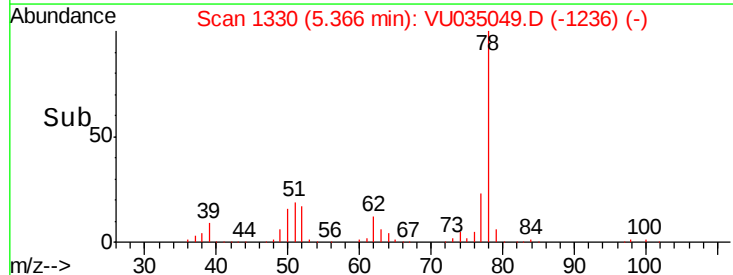
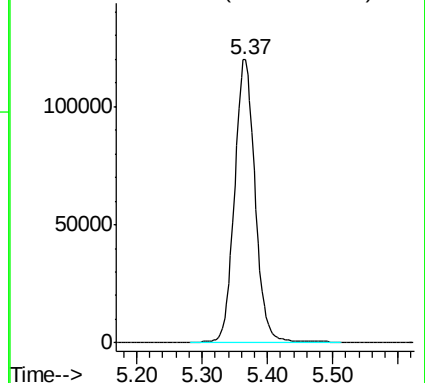
Lab File: VU035049.D

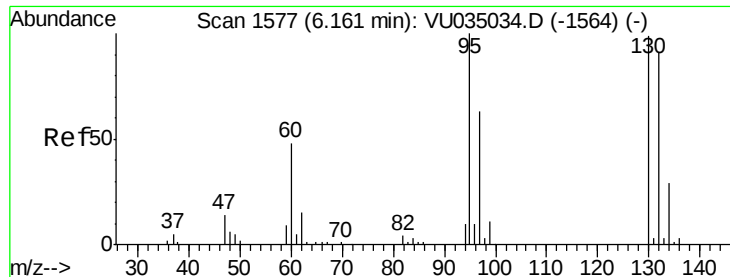
Acq: 10 Oct 2019 15:33

Tgt Ion: 78 Resp: 262798



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.928 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU035049.D

Acq: 10 Oct 2019 15:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

Tgt Ion: 95 Resp: 65879

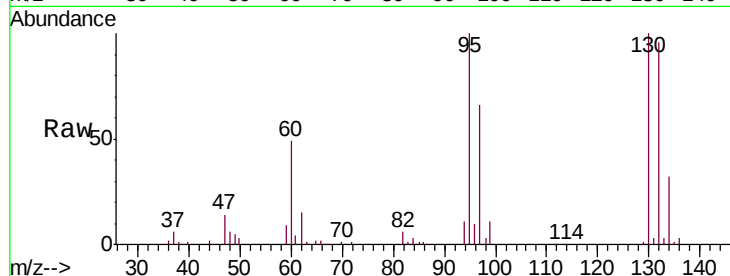
Ion Ratio Lower Upper

95 100

97 66.3 44.5 82.7

132 96.3 66.6 123.8

130 99.9 68.9 127.9

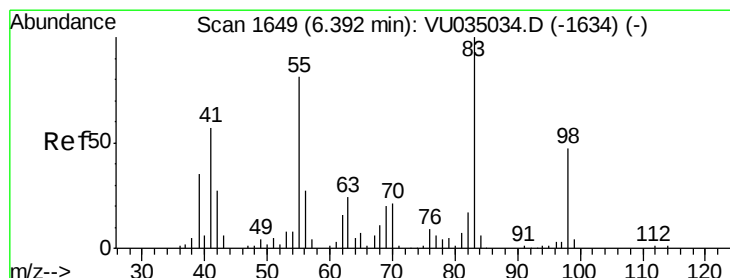
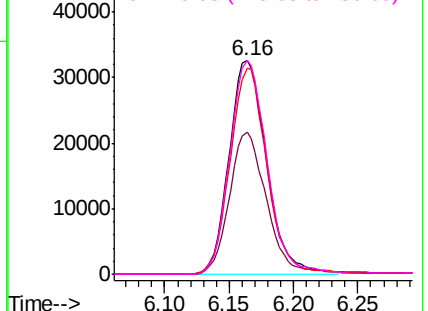
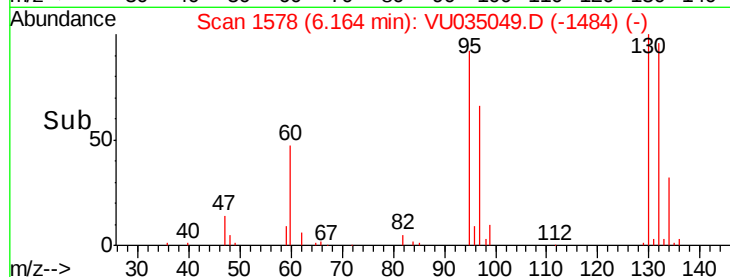


Abundance Ion 95.00 (94.70 to 95.70): VU035034.D (-1564) (-)

Ion 96.95 (96.65 to 97.65): VU035034.D (-1564) (-)

Ion 131.95 (131.65 to 132.65): VU035034.D (-1564) (-)

Ion 129.95 (129.65 to 130.65): VU035034.D (-1564) (-)



#35

Methylcyclohexane

Concen: 4.752 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU035049.D

Acq: 10 Oct 2019 15:33

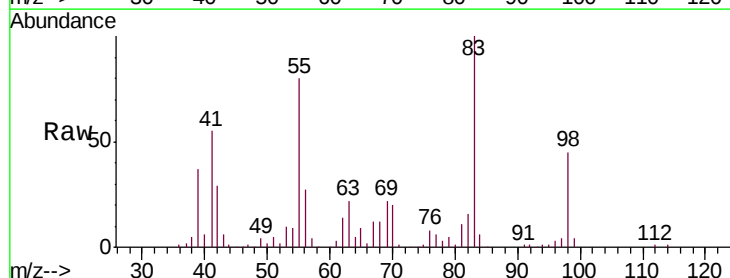
Tgt Ion: 83 Resp: 102897

Ion Ratio Lower Upper

83 100

55 81.6 62.6 94.0

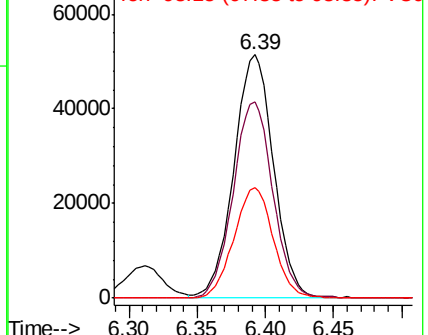
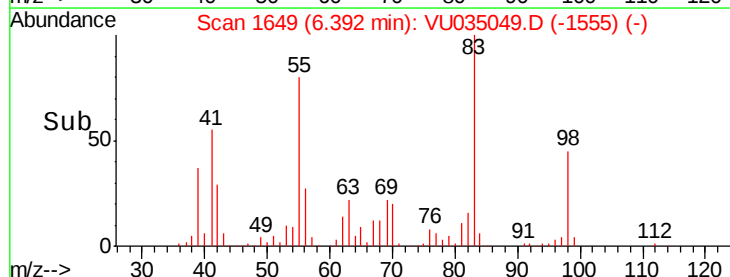
98 45.4 36.2 54.2

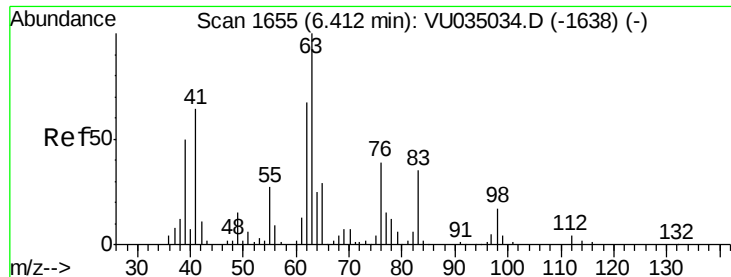


Abundance Ion 83.15 (82.85 to 83.85): VU035034.D (-1634) (-)

Ion 55.10 (54.80 to 55.80): VU035034.D (-1634) (-)

Ion 98.15 (97.85 to 98.85): VU035034.D (-1634) (-)

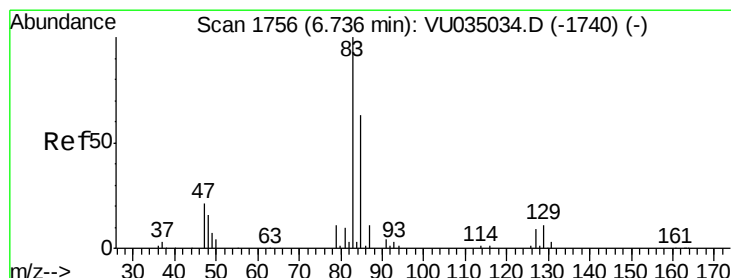
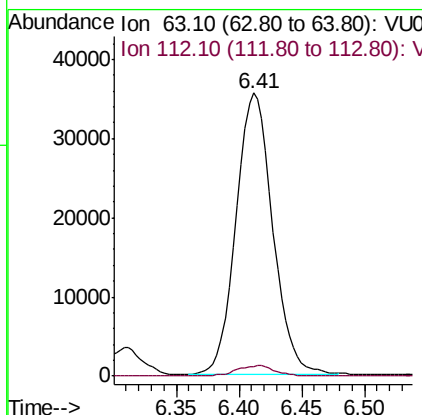
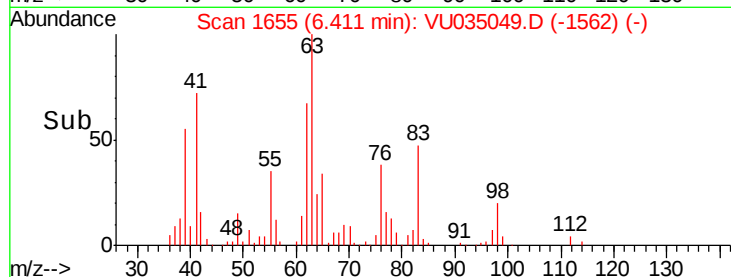
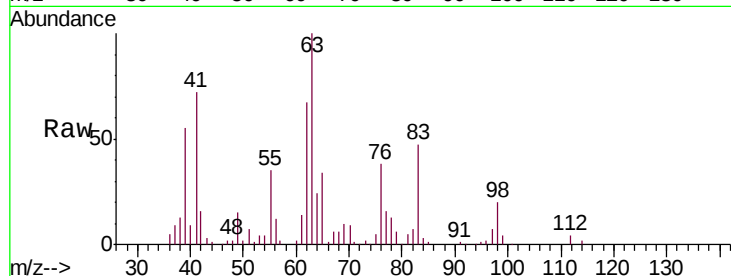




#37
 1,2-Dichloropropane
 Concen: 5.190 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU035049.D
 Acq: 10 Oct 2019 15:33

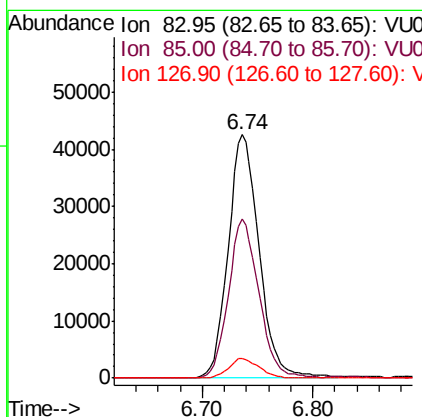
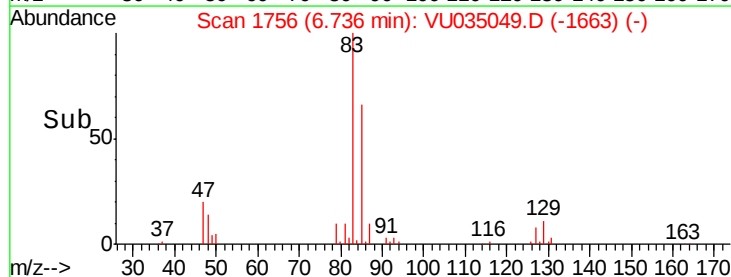
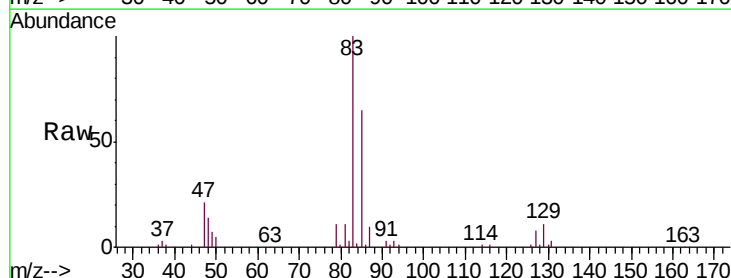
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

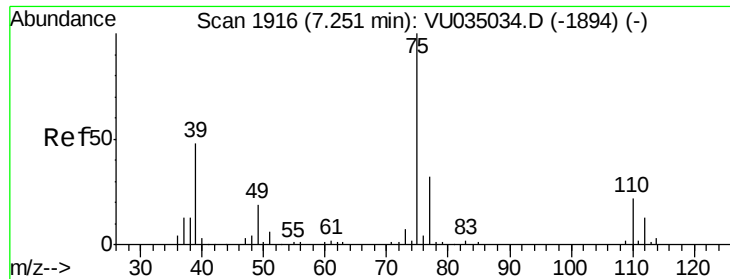
Tgt Ion: 63 Resp: 72577
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#38
 Bromodichloromethane
 Concen: 5.049 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU035049.D
 Acq: 10 Oct 2019 15:33

Tgt Ion: 83 Resp: 82774
 Ion Ratio Lower Upper
 83 100
 85 65.2 44.0 81.8
 127 8.3 7.0 10.4

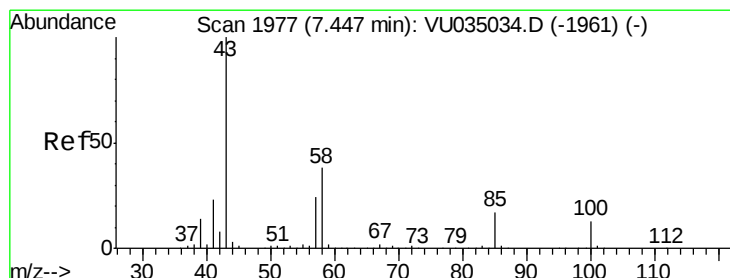
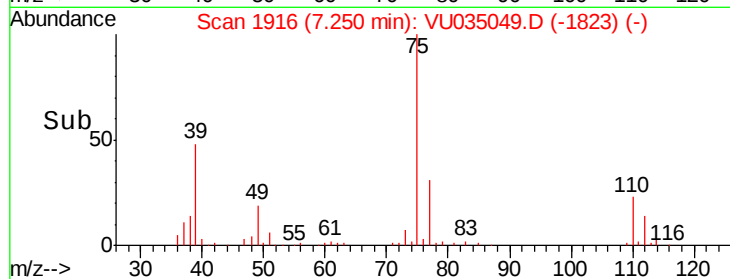
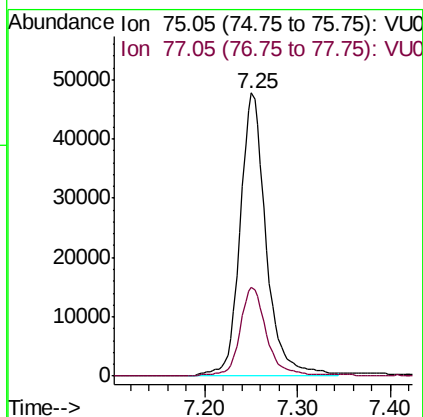
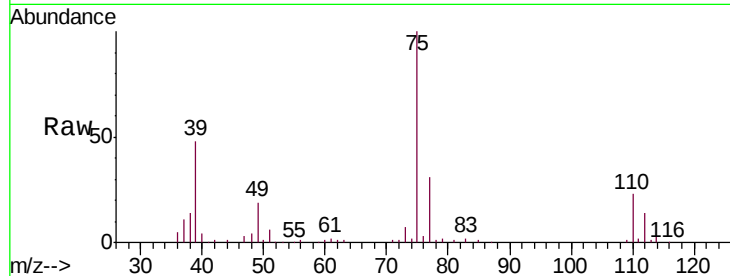




#39
 cis-1,3-Dichloropropene
 Concen: 4.941 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU035049.D
 Acq: 10 Oct 2019 15:33

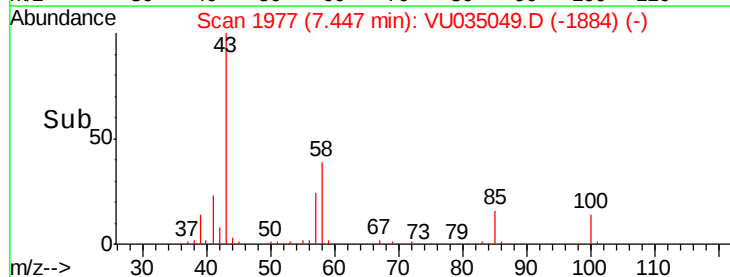
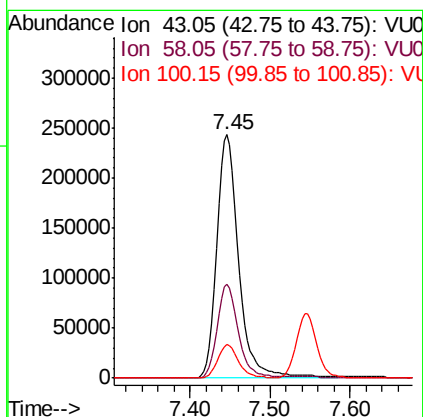
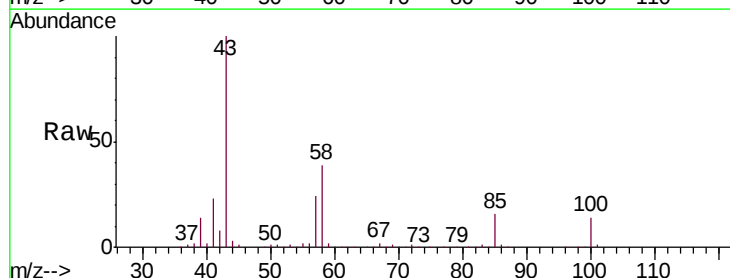
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

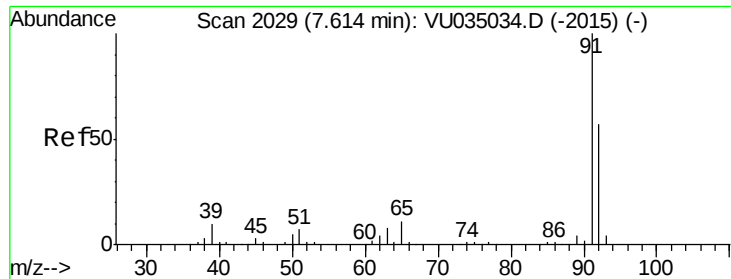
Tgt Ion: 75 Resp: 93591
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 52.843 ug/L
 RT: 7.45 min Scan# 1977
 Delta R.T. 0.00 min
 Lab File: VU035049.D
 Acq: 10 Oct 2019 15:33

Tgt Ion: 43 Resp: 465074
 Ion Ratio Lower Upper
 43 100
 58 37.1 32.4 48.6
 100 13.1 11.9 17.9





#42

Toluene

Concen: 5.237 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU035049.D

Acq: 10 Oct 2019 15:33

Instrument :

MSVOA_U

ClientSampleId :

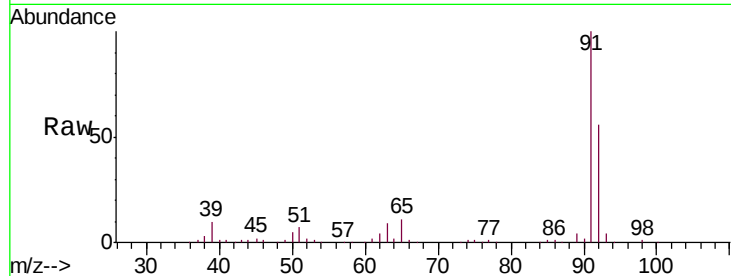
VSTD00512

Tgt Ion: 91 Resp: 283371

Ion Ratio Lower Upper

91 100

92 55.7 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU035034.D (-2015) (-)

Ion 92.15 (91.85 to 92.85): VU035049.D (-2013) (-)

7.62

150000

100000

50000

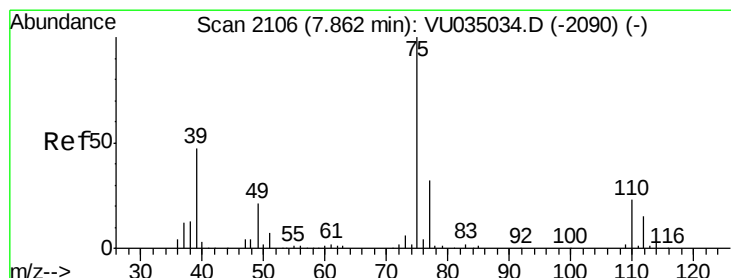
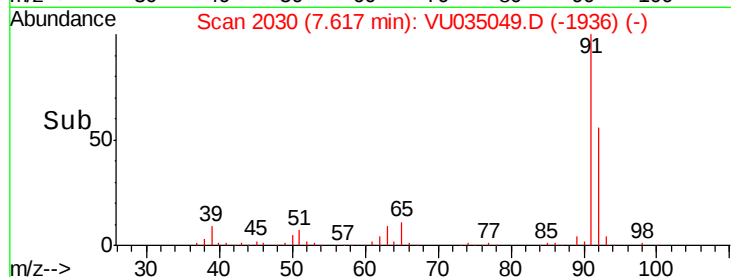
0

7.50

7.60

7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.072 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU035049.D

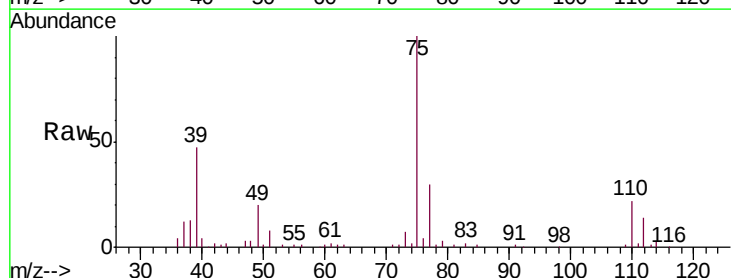
Acq: 10 Oct 2019 15:33

Tgt Ion: 75 Resp: 74421

Ion Ratio Lower Upper

75 100

77 30.1 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU035034.D (-2090) (-)

Ion 77.05 (76.75 to 77.75): VU035049.D (-2013) (-)

7.86

40000

30000

20000

10000

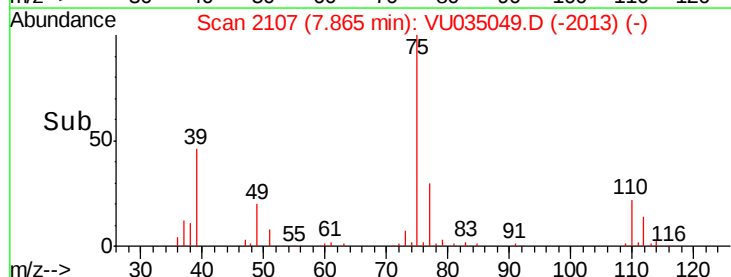
0

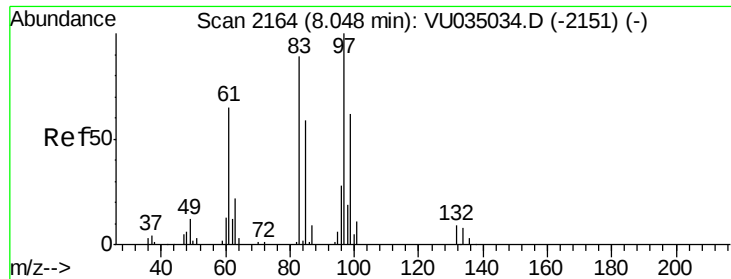
7.80

7.90

8.00

Time-->

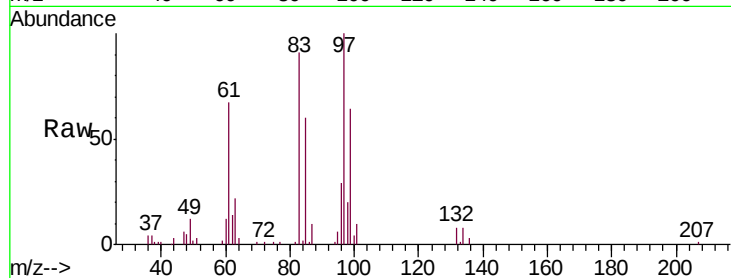




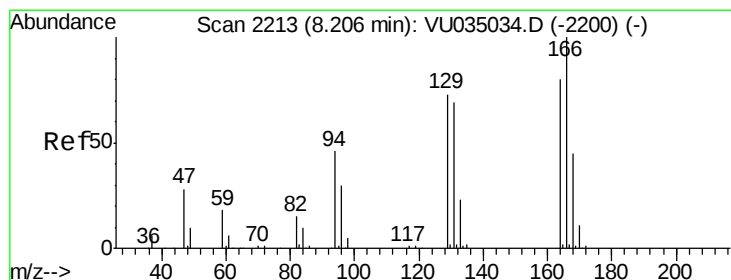
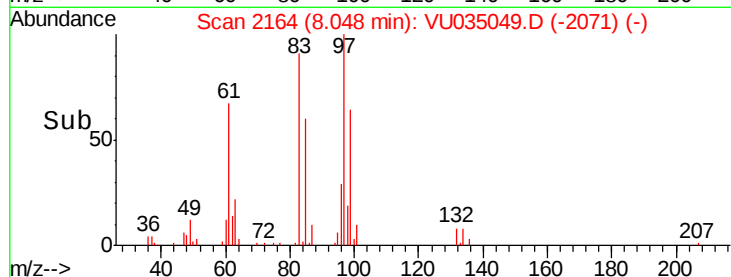
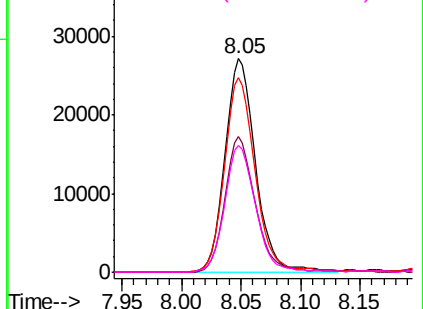
#45
 1,1,2-Trichloroethane
 Concen: 5.212 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU035049.D
 Acq: 10 Oct 2019 15:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tgt Ion: 97 Resp: 48391
 Ion Ratio Lower Upper
 97 100
 99 63.7 42.3 78.5
 83 91.2 58.0 107.6
 85 59.5 37.8 70.2

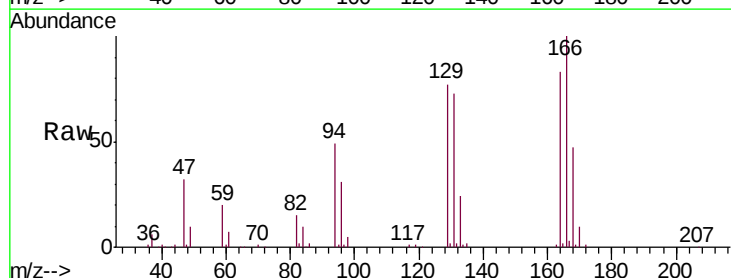


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

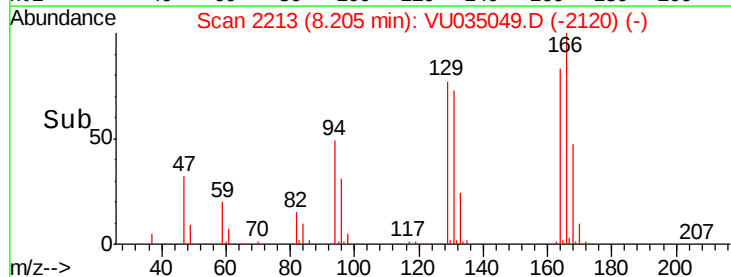
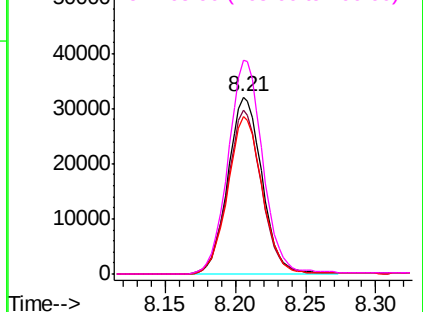


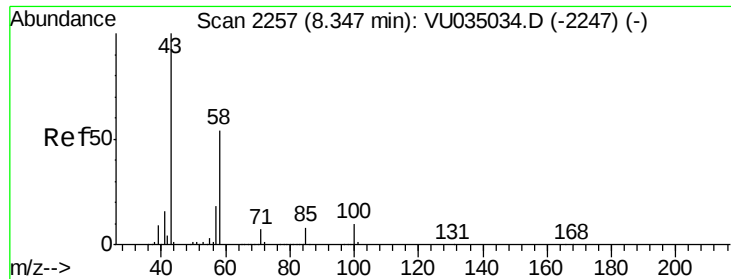
#47
 Tetrachloroethene
 Concen: 5.034 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. 0.00 min
 Lab File: VU035049.D
 Acq: 10 Oct 2019 15:33

Tgt Ion: 164 Resp: 54478
 Ion Ratio Lower Upper
 164 100
 129 92.9 68.5 127.1
 131 88.7 67.3 124.9
 166 120.7 93.1 172.9



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

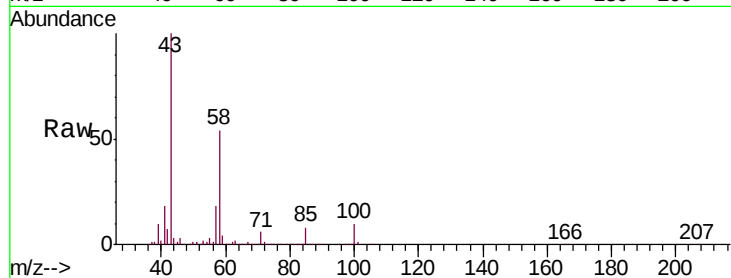




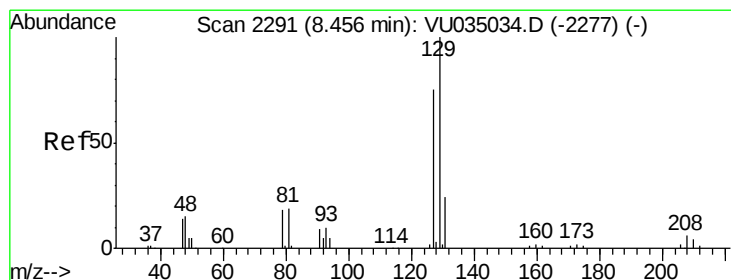
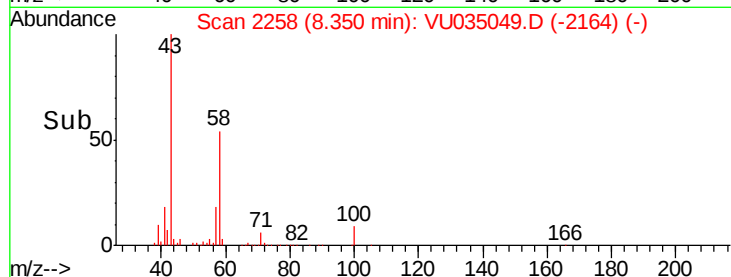
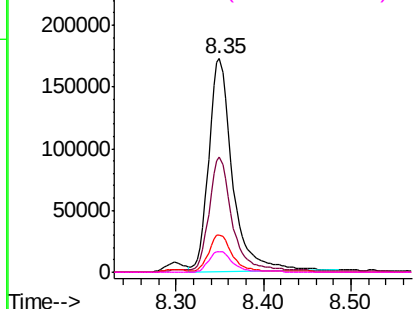
#48
2-Hexanone
Concen: 53.712 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. 0.00 min
Lab File: VU035049.D
Acq: 10 Oct 2019 15:33

Instrument :
MSVOA_U
ClientSampled :
VSTD00512

Tgt Ion: 43 Resp: 324112
Ion Ratio Lower Upper
43 100
58 53.0 44.1 66.1
57 16.5 15.8 23.8
100 10.3 9.4 14.2

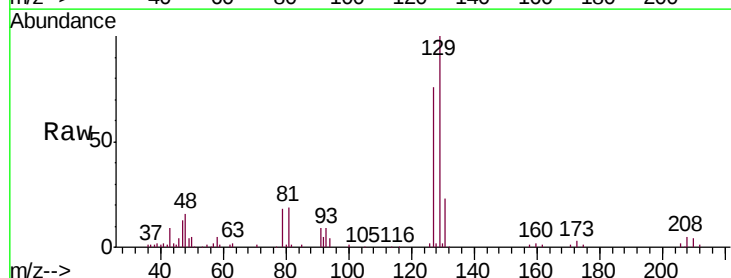


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

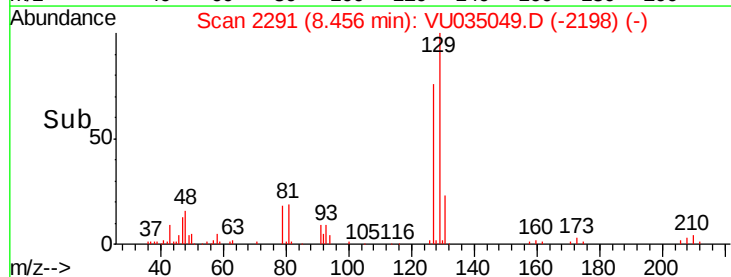
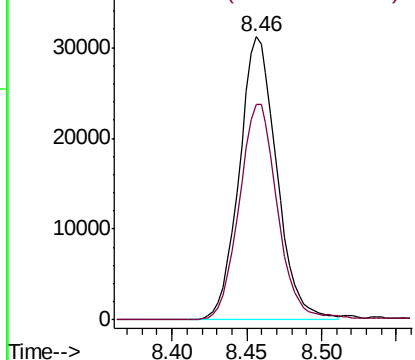


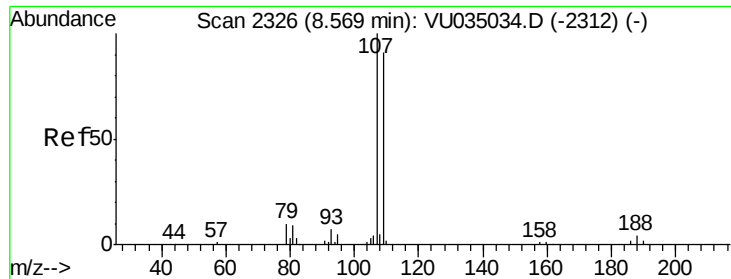
#49
Dibromochloromethane
Concen: 5.067 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU035049.D
Acq: 10 Oct 2019 15:33

Tgt Ion: 129 Resp: 54373
Ion Ratio Lower Upper
129 100
127 76.3 51.9 96.5



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

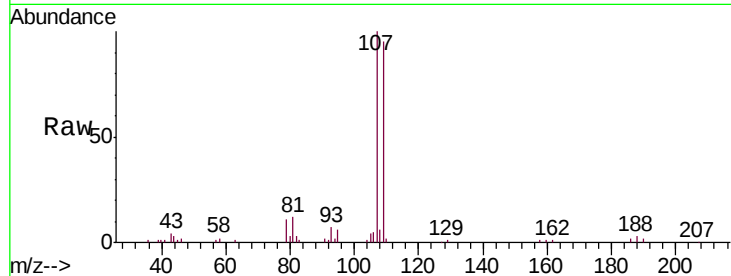




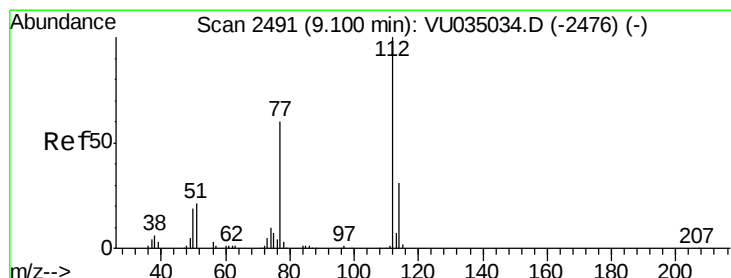
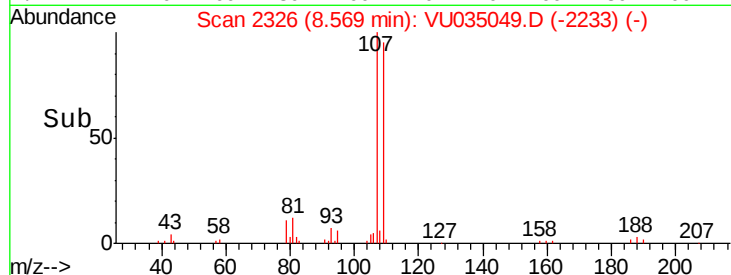
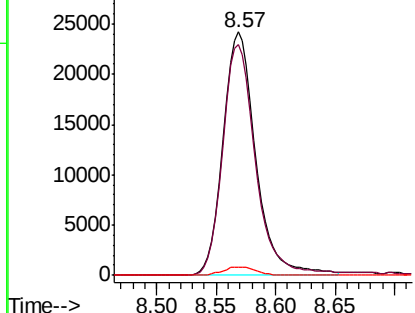
#50
1,2-Dibromoethane
Concen: 5.207 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU035049.D
Acq: 10 Oct 2019 15:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tgt Ion:107 Resp: 46208
Ion Ratio Lower Upper
107 100
109 94.8 64.8 120.4
188 3.4 3.0 4.6

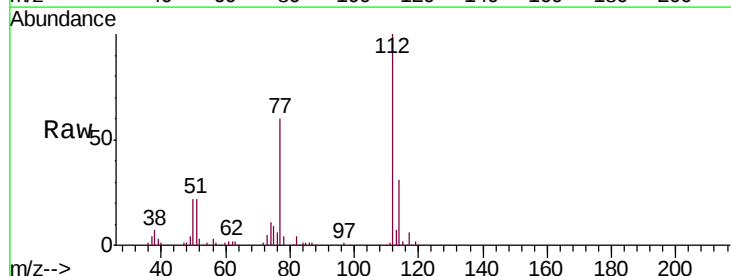


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

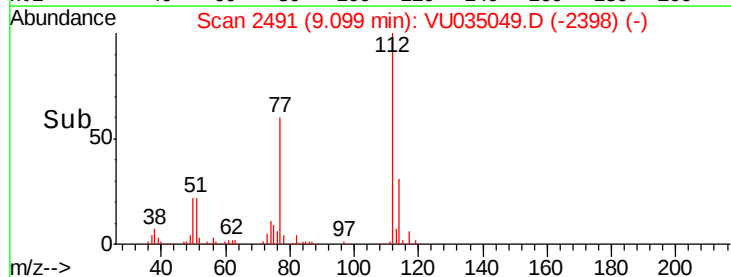
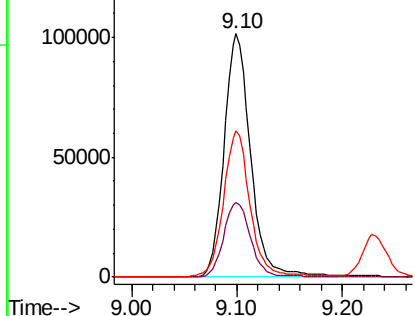


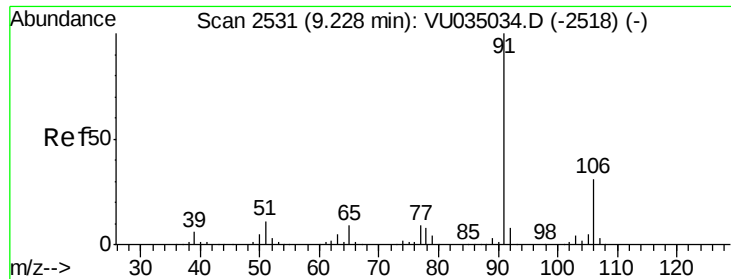
#51
Chlorobenzene
Concen: 5.039 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU035049.D
Acq: 10 Oct 2019 15:33

Tgt Ion:112 Resp: 176715
Ion Ratio Lower Upper
112 100
114 30.6 22.1 41.1
77 60.0 46.9 70.3



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

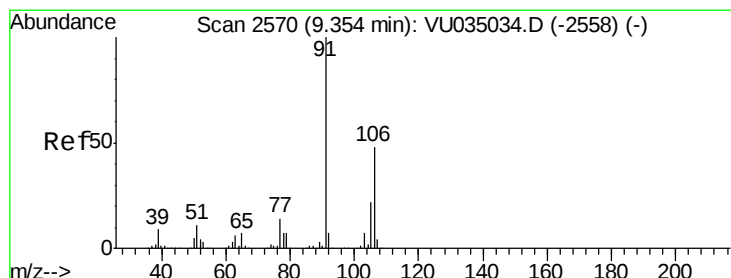
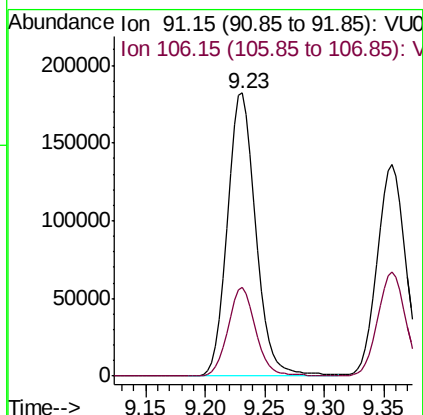
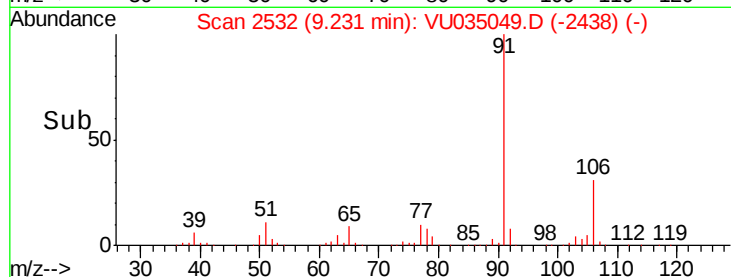
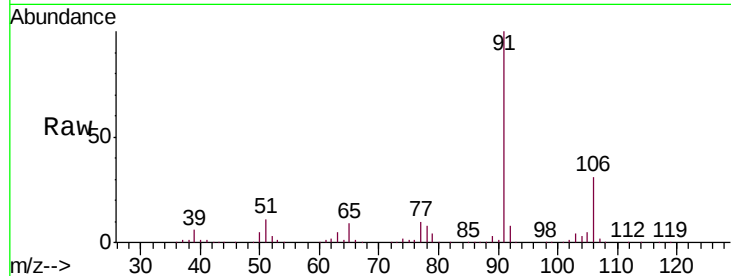




#52
Ethylbenzene
Concen: 5.048 ug/L
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU035049.D
Acq: 10 Oct 2019 15:33

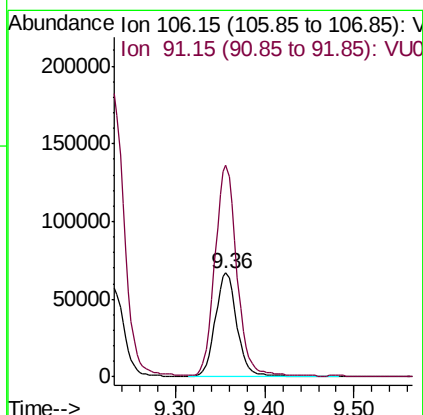
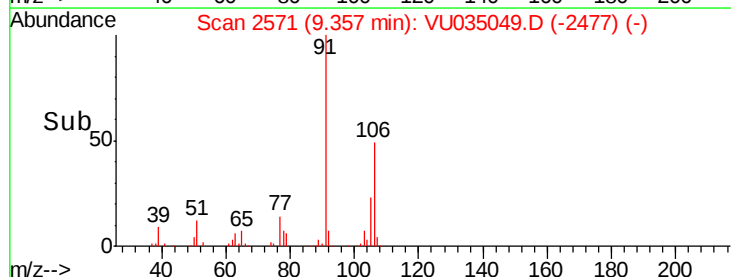
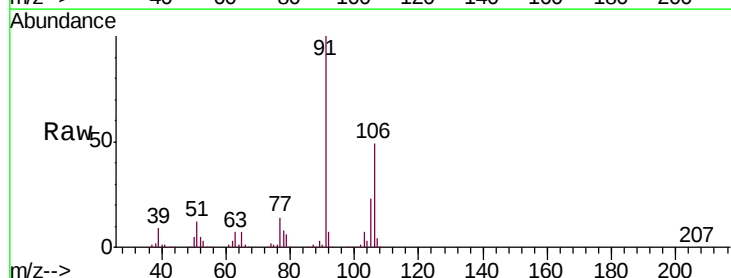
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

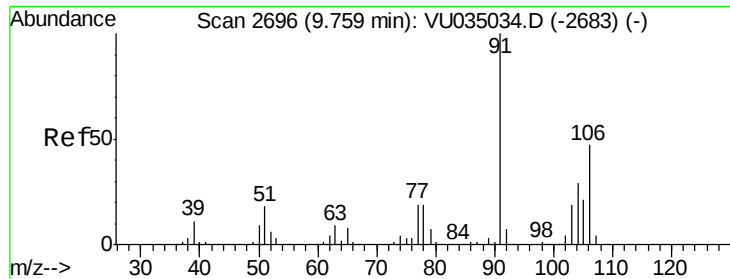
Tgt Ion: 91 Resp: 301698
Ion Ratio Lower Upper
91 100
106 31.4 21.6 40.2



#53
m,p-Xylene
Concen: 5.131 ug/L
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU035049.D
Acq: 10 Oct 2019 15:33

Tgt Ion: 106 Resp: 113269
Ion Ratio Lower Upper
106 100
91 203.4 147.6 274.0

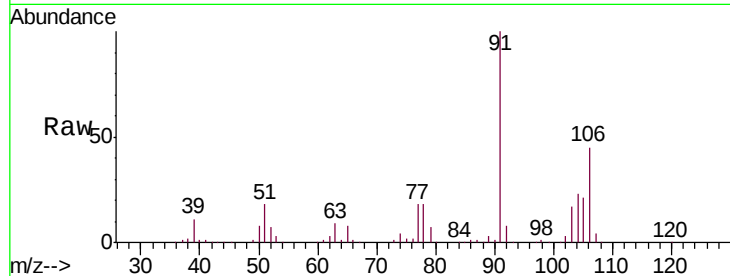




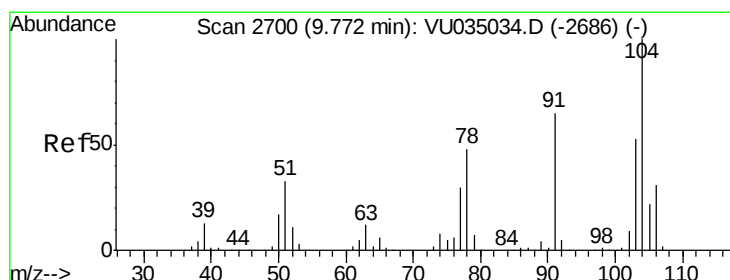
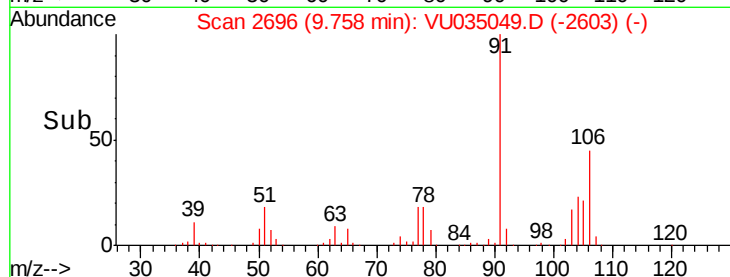
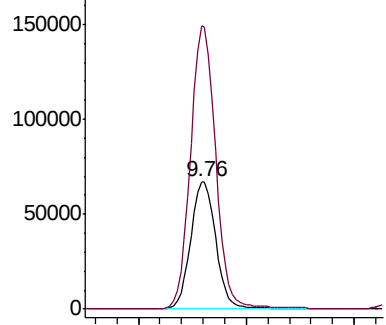
#54
o-Xylene
Concen: 5.085 ug/L
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU035049.D
Acq: 10 Oct 2019 15:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tgt Ion:106 Resp: 109792
Ion Ratio Lower Upper
106 100
91 222.0 148.5 275.7

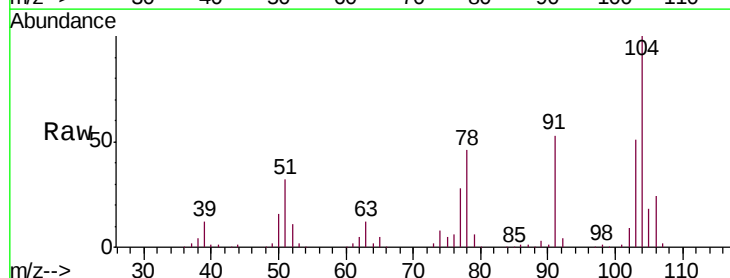


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

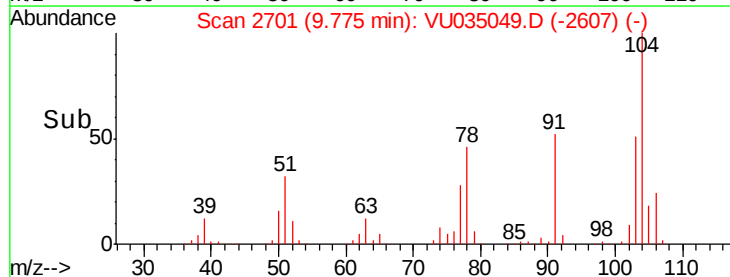
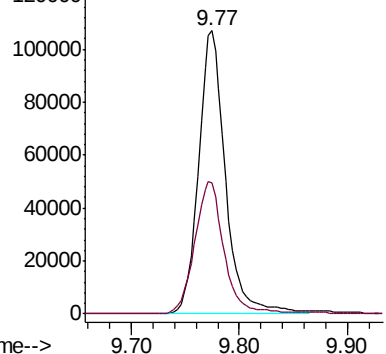


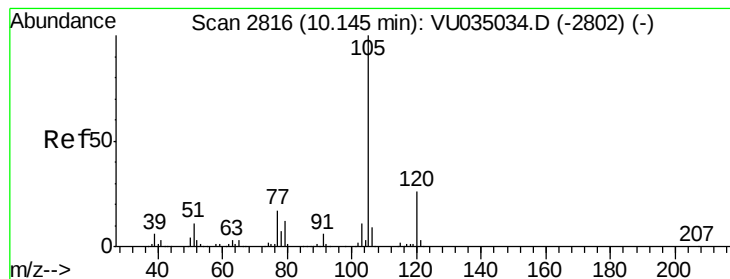
#55
Styrene
Concen: 5.314 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU035049.D
Acq: 10 Oct 2019 15:33

Tgt Ion:104 Resp: 185798
Ion Ratio Lower Upper
104 100
78 46.2 32.8 60.8



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.103 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU035049.D

Acq: 10 Oct 2019 15:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

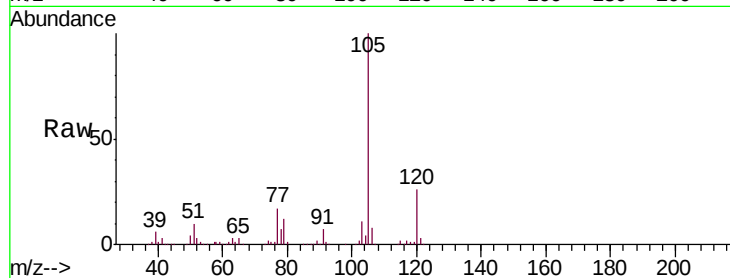
Tgt Ion: 105 Resp: 293532

Ion Ratio Lower Upper

105 100

120 25.9 21.3 31.9

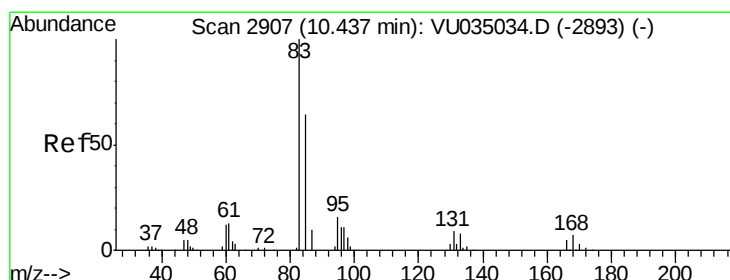
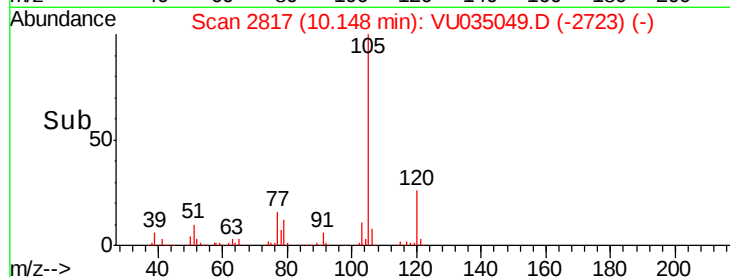
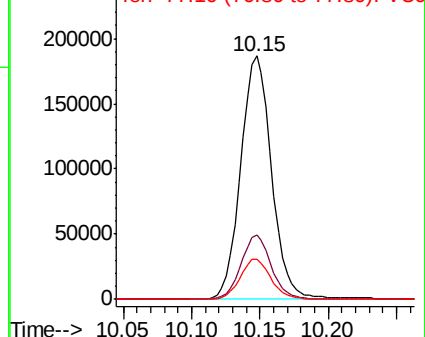
77 16.6 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.273 ug/L

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU035049.D

Acq: 10 Oct 2019 15:33

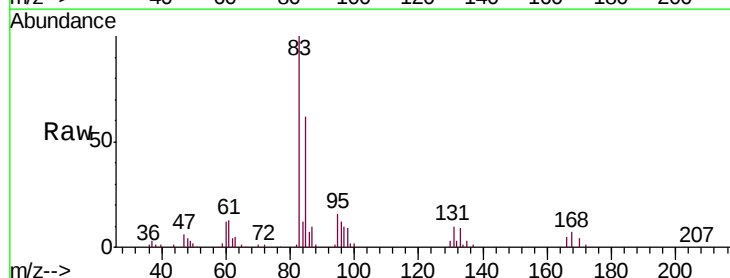
Tgt Ion: 83 Resp: 66576

Ion Ratio Lower Upper

83 100

85 62.1 44.6 82.8

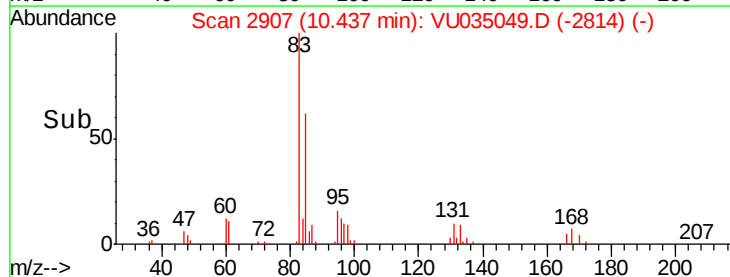
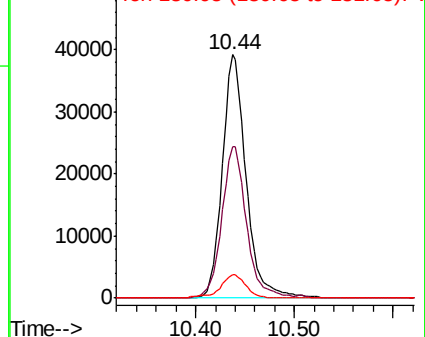
131 9.6 7.4 11.2

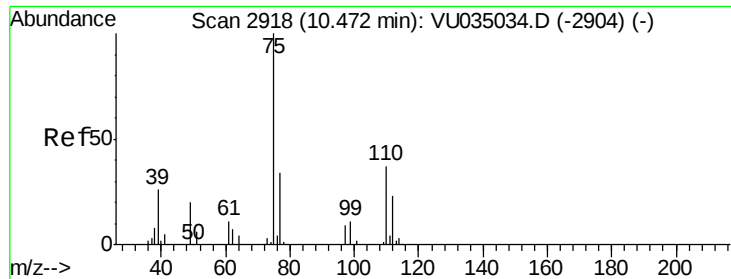


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

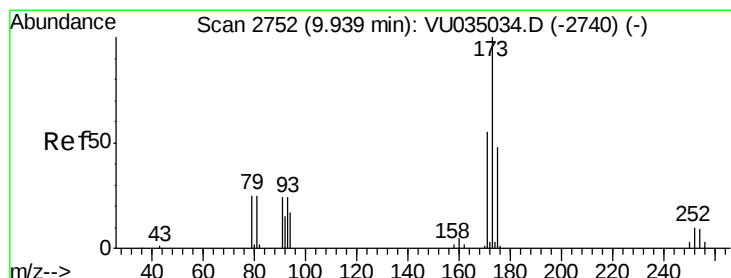
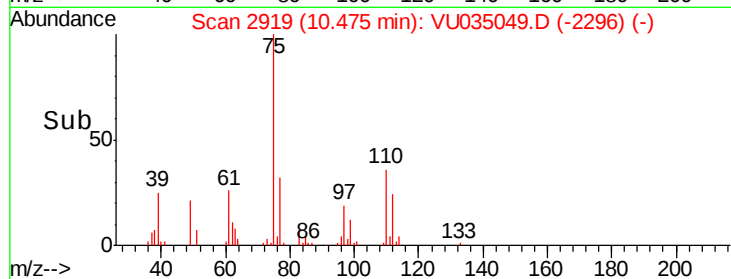
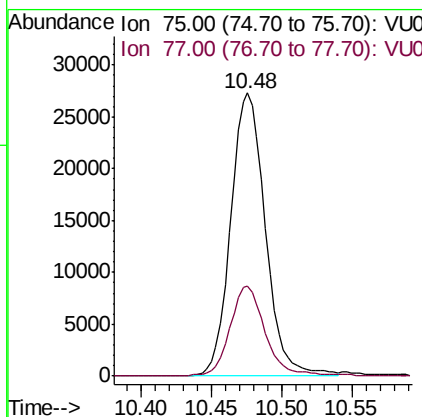
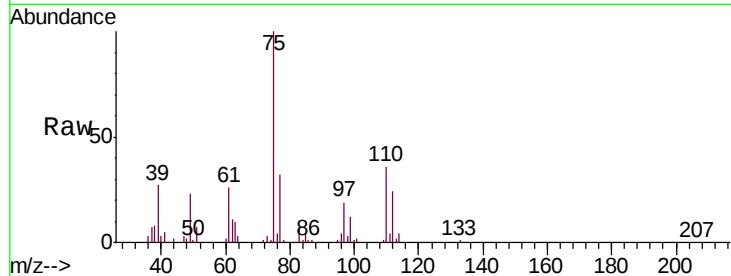




#59
 1,2,3-Trichloropropane
 Concen: 5.193 ug/L
 RT: 10.48 min Scan# 2919
 Delta R.T. 0.00 min
 Lab File: VU035049.D
 Acq: 10 Oct 2019 15:33

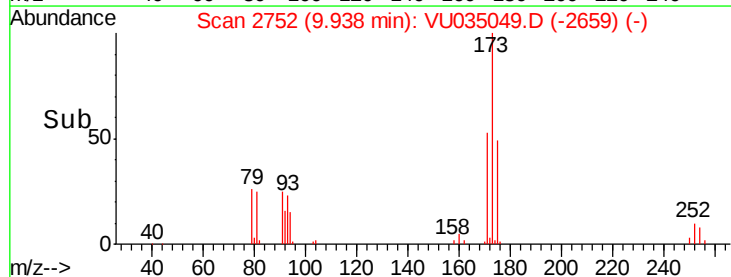
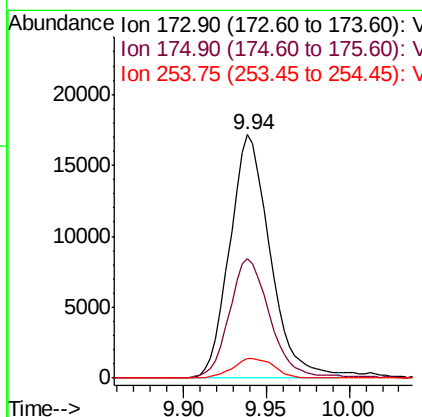
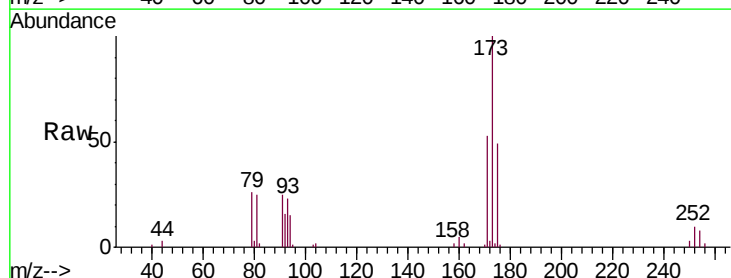
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

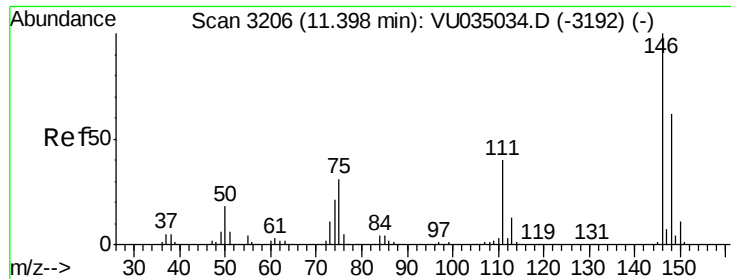
Tgt Ion: 75 Resp: 47005
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.5 39.7



#61
 Bromoform
 Concen: 4.794 ug/L
 RT: 9.94 min Scan# 2752
 Delta R.T. 0.00 min
 Lab File: VU035049.D
 Acq: 10 Oct 2019 15:33

Tgt Ion: 173 Resp: 29094
 Ion Ratio Lower Upper
 173 100
 175 49.3 37.2 55.8
 254 8.3 6.6 9.8





#62

1,3-Dichlorobenzene

Concen: 5.107 ug/L

RT: 11.40 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU035049.D

Acq: 10 Oct 2019 15:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

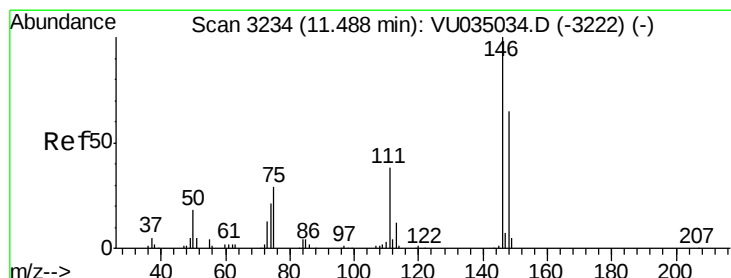
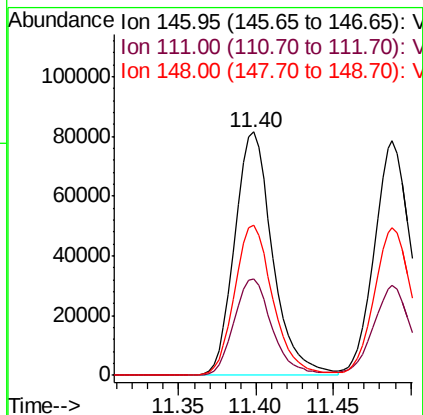
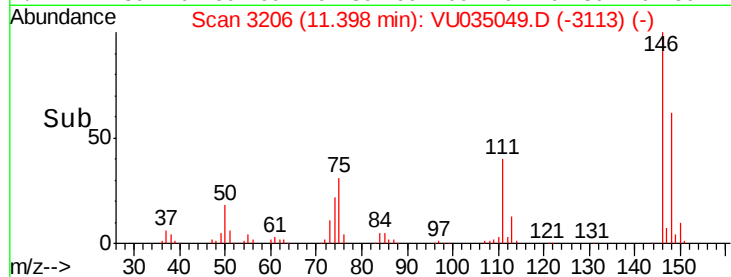
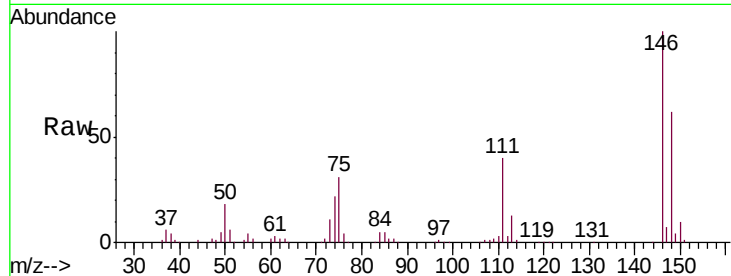
Tgt Ion:146 Resp: 139229

Ion Ratio Lower Upper

146 100

111 39.8 28.6 53.2

148 61.8 45.0 83.6



#63

1,4-Dichlorobenzene

Concen: 4.944 ug/L

RT: 11.49 min Scan# 3234

Delta R.T. 0.00 min

Lab File: VU035049.D

Acq: 10 Oct 2019 15:33

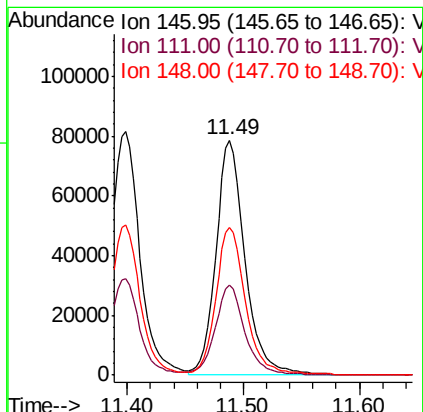
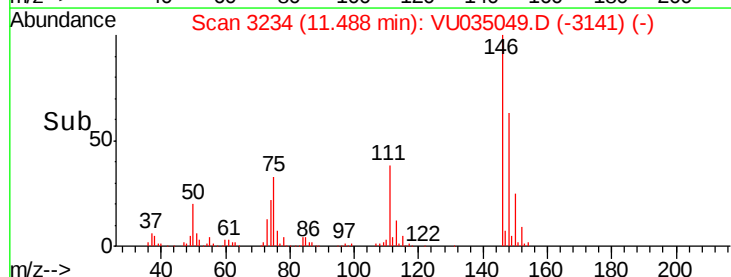
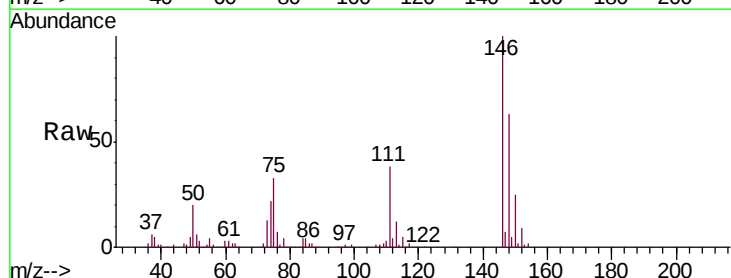
Tgt Ion:146 Resp: 136018

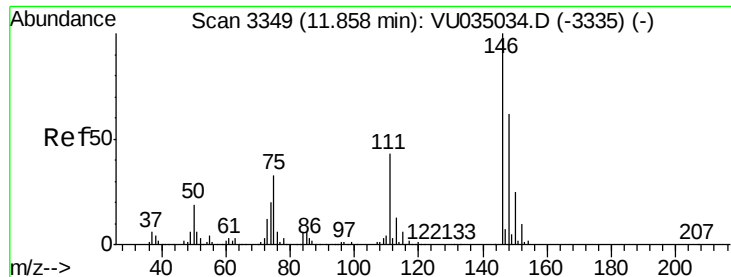
Ion Ratio Lower Upper

146 100

111 38.5 27.9 51.7

148 62.8 44.1 81.9

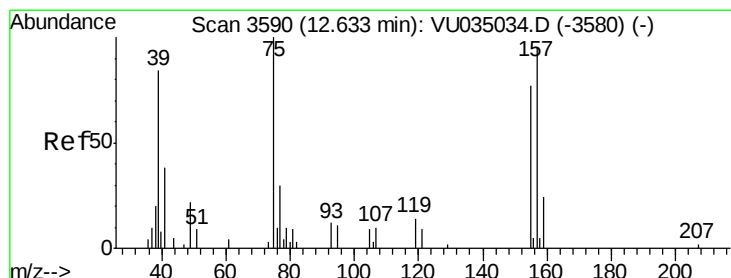
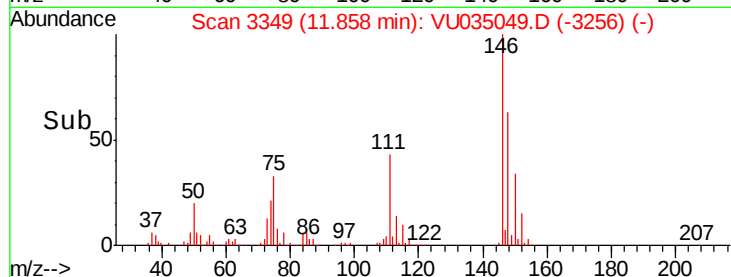
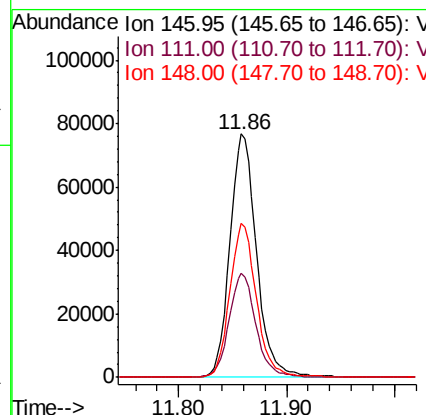
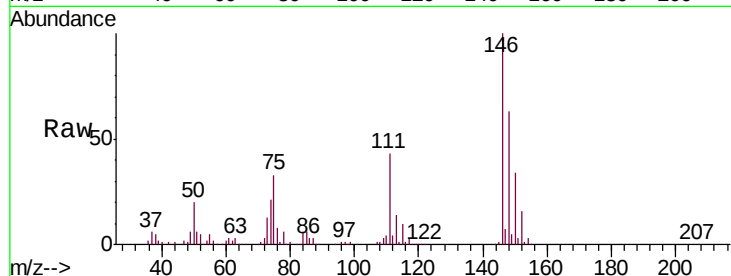




#65
 1,2-Dichlorobenzene
 Concen: 5.021 ug/L
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU035049.D
 Acq: 10 Oct 2019 15:33

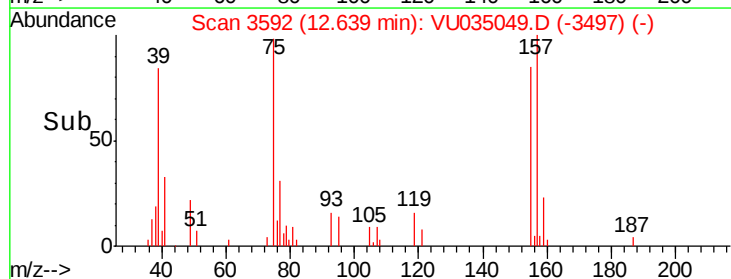
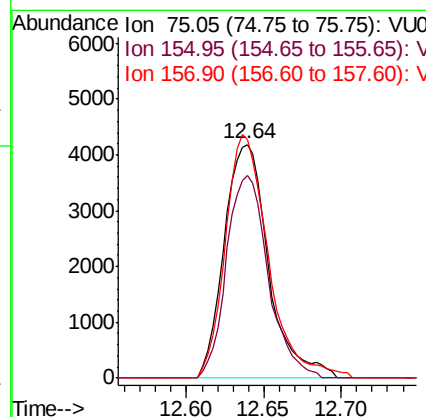
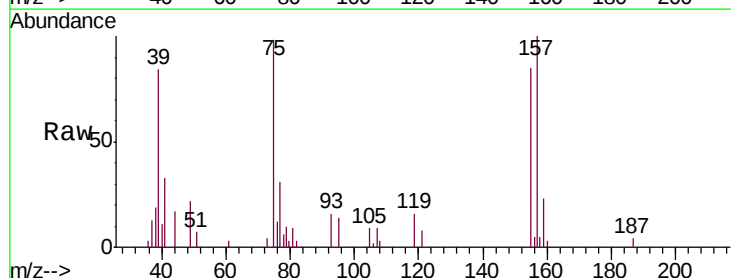
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

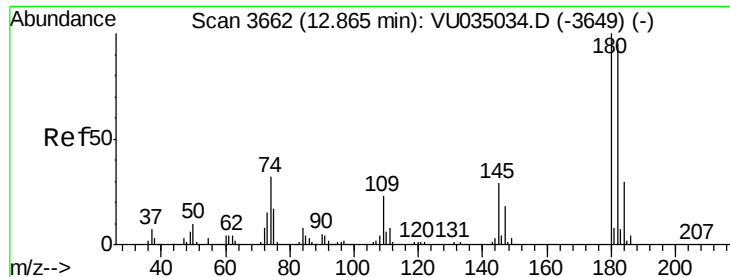
Tgt Ion: 146 Resp: 132085
 Ion Ratio Lower Upper
 146 100
 111 42.7 34.2 51.4
 148 63.2 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.984 ug/L
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.01 min
 Lab File: VU035049.D
 Acq: 10 Oct 2019 15:33

Tgt Ion: 75 Resp: 8332
 Ion Ratio Lower Upper
 75 100
 155 86.9 67.1 100.7
 157 101.8 83.7 125.5

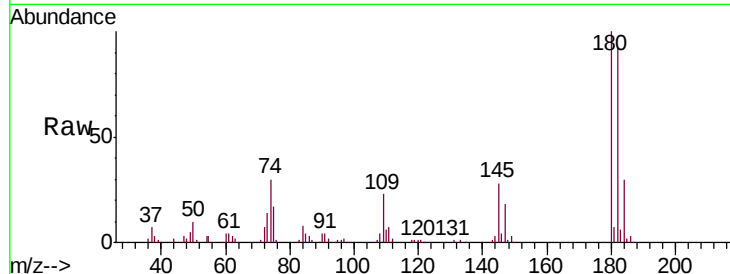




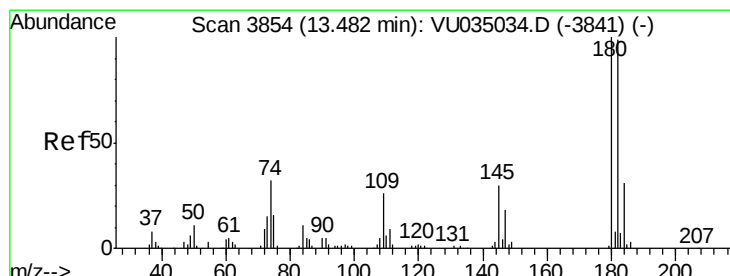
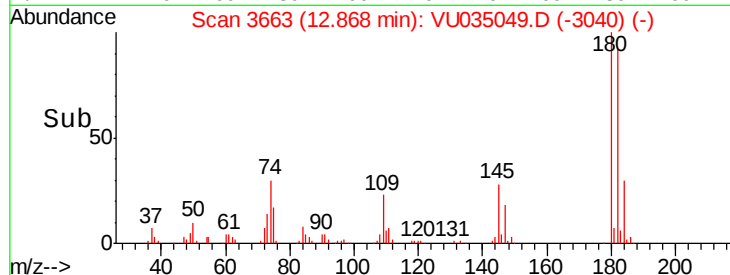
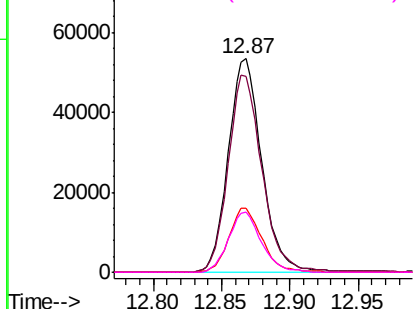
#67
 1,3,5-Trichlorobenzene
 Concen: 4.935 ug/L
 RT: 12.87 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VU035049.D
 Acq: 10 Oct 2019 15:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tgt Ion:180 Resp: 91106
 Ion Ratio Lower Upper
 180 100
 182 93.4 76.0 114.0
 184 29.6 24.2 36.2
 145 27.8 24.6 37.0

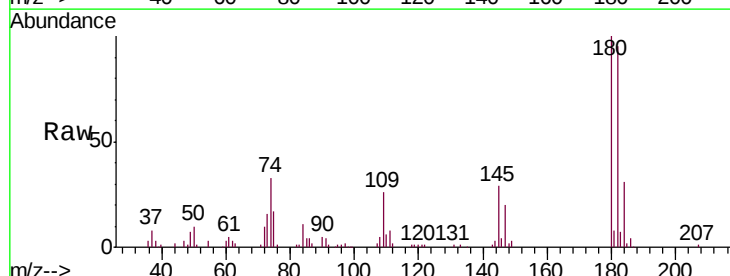


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

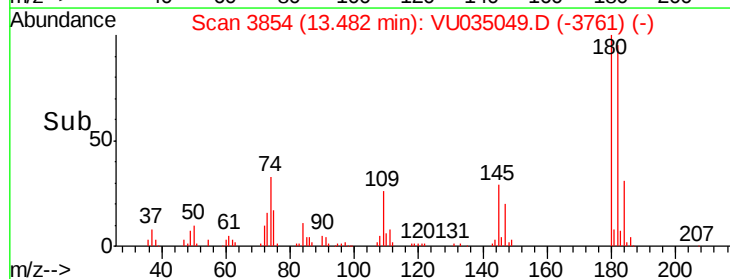
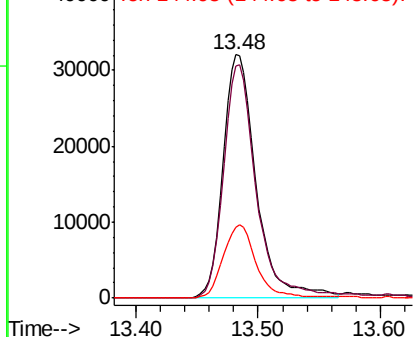


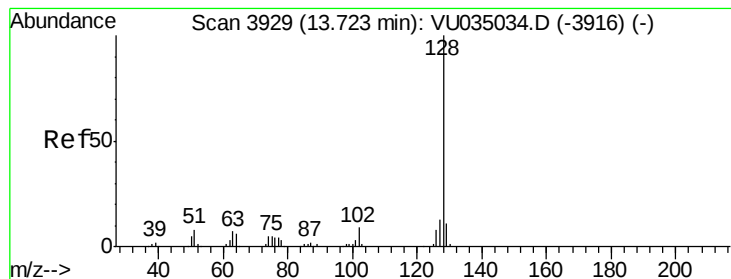
#68
 1,2,4-trichlorobenzene
 Concen: 4.430 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. 0.00 min
 Lab File: VU035049.D
 Acq: 10 Oct 2019 15:33

Tgt Ion:180 Resp: 61077
 Ion Ratio Lower Upper
 180 100
 182 93.6 77.3 115.9
 145 29.9 24.5 36.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

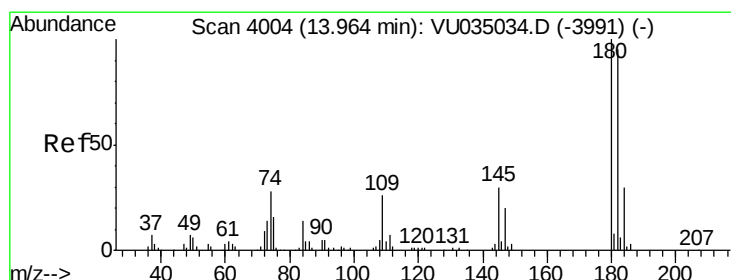
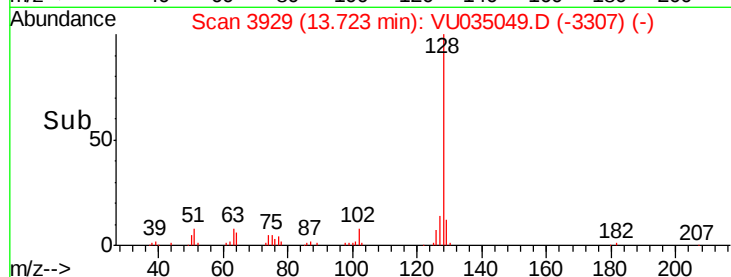
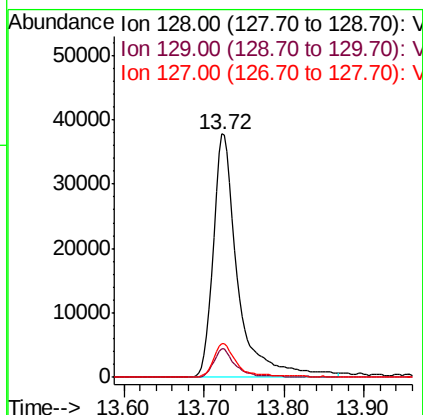
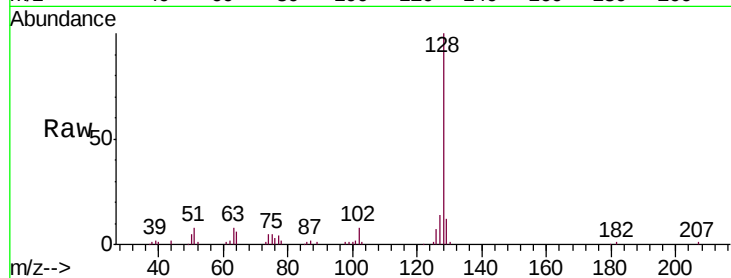




#69
Naphthalene
Concen: 3.767 ug/L
RT: 13.72 min Scan# 3929
Delta R.T. 0.00 min
Lab File: VU035049.D
Acq: 10 Oct 2019 15:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tgt Ion:128 Resp: 80755
Ion Ratio Lower Upper
128 100
129 10.6 8.7 13.1
127 12.2 10.6 15.8



#70
1,2,3-Trichlorobenzene
Concen: 4.520 ug/L
RT: 13.96 min Scan# 4004
Delta R.T. 0.00 min
Lab File: VU035049.D
Acq: 10 Oct 2019 15:33

Tgt Ion:180 Resp: 60600
Ion Ratio Lower Upper
180 100
182 96.4 77.0 115.4
145 31.4 25.9 38.9

