

Data File : VU036071.D
Acq On : 10 Dec 2019 01:28
Operator : JC/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Quant Time: Dec 10 02:00:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 10 01:47:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	271875	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	287571	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	150022	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	111992	4.62	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.40%
7) Chloroethane-d5	1.93	69	133755	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.20%
11) 1,1-Dichloroethene-d2	2.59	63	233812	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.60%
20) 2-Butanone-d5	4.69	46	236458	57.26	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.52%
24) Chloroform-d	5.11	84	195480	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.75	65	98583	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.77	84	388616	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
36) 1,2-Dichloropropane-d6	6.73	67	112643	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.93	98	379054	5.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.80%
43) trans-1,3-Dichloropropene-	8.21	79	47862	5.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.60%
46) 2-Hexanone-d5	8.67	63	213051	64.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	128.72%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	106567	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	146592	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	126868	4.747 ug/L	97
3) Chloromethane	1.53	50	107763	4.129 ug/L	98
5) Vinyl chloride	1.62	62	126802	4.658 ug/L	98
6) Bromomethane	1.87	94	85004	3.885 ug/L	98
8) Chloroethane	1.95	64	108323	5.230 ug/L	98
9) Trichlorofluoromethane	2.16	101	246282	5.196 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	130211	4.950 ug/L	97
12) 1,1-Dichloroethene	2.60	96	119165	5.038 ug/L #	81
13) Acetone	2.68	43	226623	43.234 ug/L	96
14) Carbon disulfide	2.82	76	381710	5.633 ug/L	99
15) Methyl Acetate	3.00	43	51185	6.614 ug/L	97
16) Methylene chloride	3.08	84	159037	5.790 ug/L	97
17) Methyl tert-butyl Ether	3.41	73	277832	6.823 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	125270	6.204 ug/L	98
19) 1,1-Dichloroethane	3.92	63	234283	6.465 ug/L	98
21) 2-Butanone	4.77	43	247991	47.268 ug/L	96
22) cis-1,2-Dichloroethene	4.72	96	106777	5.039 ug/L	97

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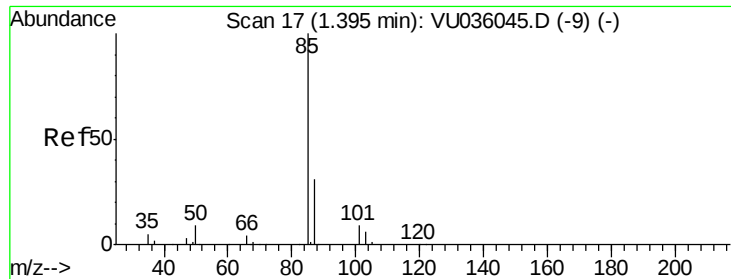
Quant Time: Dec 10 02:00:09 2019
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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 10 01:47:47 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	54241	4.951	ug/L	97
25) Chloroform	5.14	83	192576	4.769	ug/L	95
27) 1,2-Dichloroethane	5.84	62	117426	4.921	ug/L	97
29) 1,1,1-Trichloroethane	5.36	97	165301	5.100	ug/L	98
30) Cyclohexane	5.43	56	130877	5.143	ug/L	99
31) Carbon tetrachloride	5.57	117	151295	5.162	ug/L	98
33) Benzene	5.82	78	405949	5.165	ug/L	100
34) Trichloroethene	6.58	95	108137	5.182	ug/L	96
35) Methylcyclohexane	6.80	83	145472	5.196	ug/L	97
37) 1,2-Dichloropropane	6.83	63	98960	5.019	ug/L	99
38) Bromodichloromethane	7.14	83	137555	5.191	ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	138879	5.183	ug/L	95
40) 4-Methyl-2-pentanone	7.84	43	584057	56.717	ug/L	99
42) Toluene	8.00	91	456782	5.419	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	121728	5.255	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	83112	5.354	ug/L	95
47) Tetrachloroethene	8.58	164	99366	5.008	ug/L	99
48) 2-Hexanone	8.73	43	435092	58.897	ug/L	96
49) Dibromochloromethane	8.84	129	107130	5.200	ug/L	97
50) 1,2-Dibromoethane	8.96	107	80011	5.331	ug/L	95
51) Chlorobenzene	9.48	112	292795	4.984	ug/L	98
52) Ethylbenzene	9.60	91	443198	5.019	ug/L	99
53) m,p-Xylene	9.72	106	179040	5.092	ug/L	94
54) o-Xylene	10.13	106	172389	5.221	ug/L	98
55) Styrene	10.14	104	298416	5.270	ug/L	97
56) Isopropylbenzene	10.51	105	436830	5.014	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	103808	5.059	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	74090	5.257	ug/L	98
61) Bromoform	10.32	173	65583	4.393	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	249188	5.078	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	242301	5.012	ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	231101	4.766	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	15767	5.176	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	172062	5.175	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	99159	5.616	ug/L	98
69) Naphthalene	14.11	128	92801	5.462	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	97985	5.788	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 4.747 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036071.D

Acq: 10 Dec 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

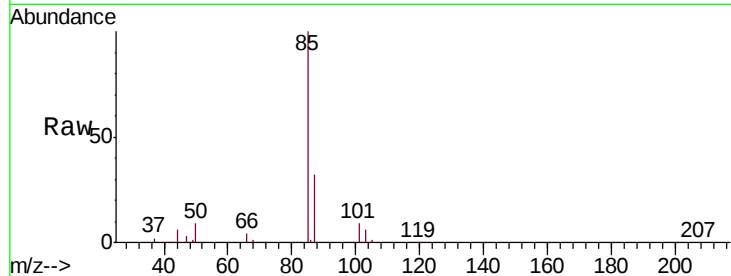
VSTD00527

Tgt Ion: 85 Resp: 126868

Ion Ratio Lower Upper

85 100

87 32.0 27.0 40.4



Abundance Ion 85.00 (84.70 to 85.70): VU036071.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU036071.D (-1) (-)

1.39

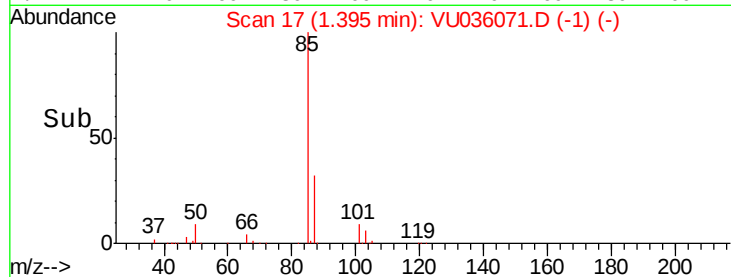
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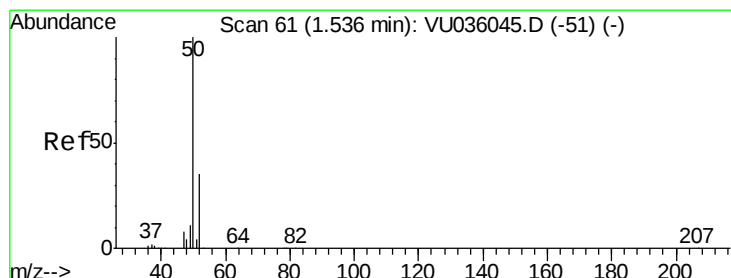
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 4.129 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU036071.D

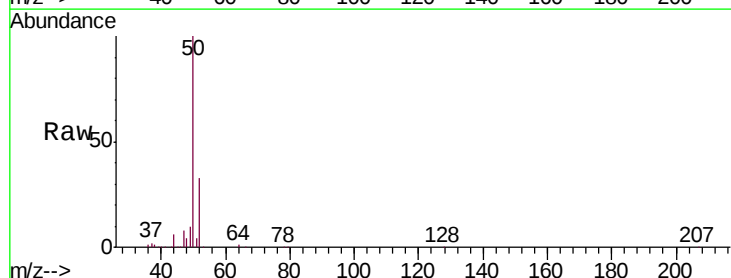
Acq: 10 Dec 2019 01:28

Tgt Ion: 50 Resp: 107763

Ion Ratio Lower Upper

50 100

52 32.6 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VU036071.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU036071.D (-1) (-)

1.53

100000

80000

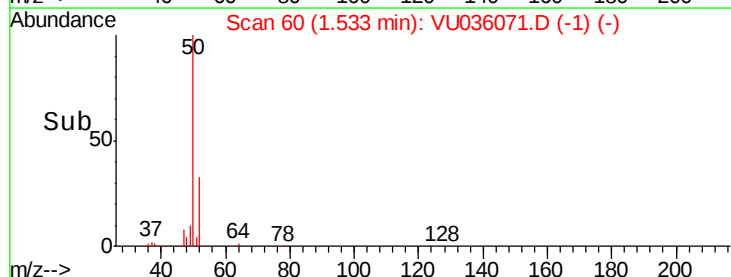
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40000

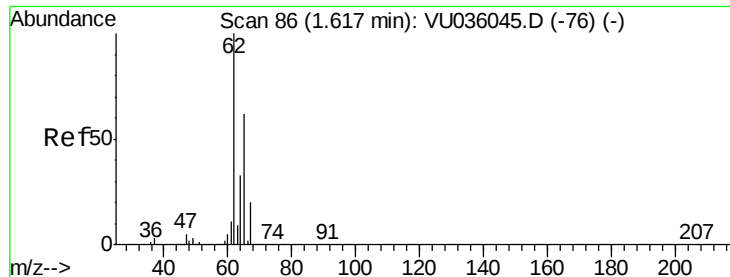
20000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 4.658 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036071.D

Acq: 10 Dec 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

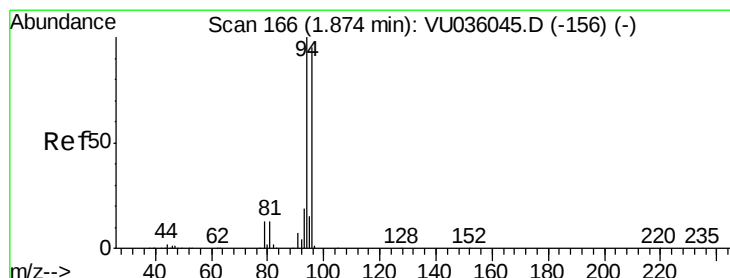
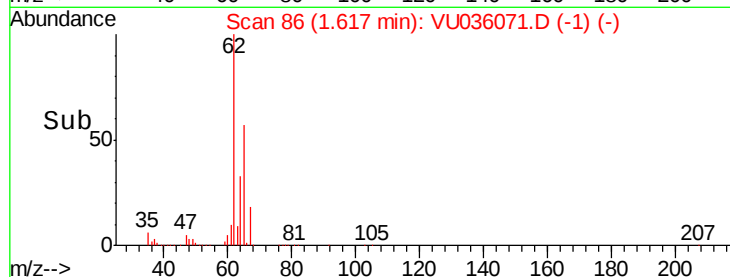
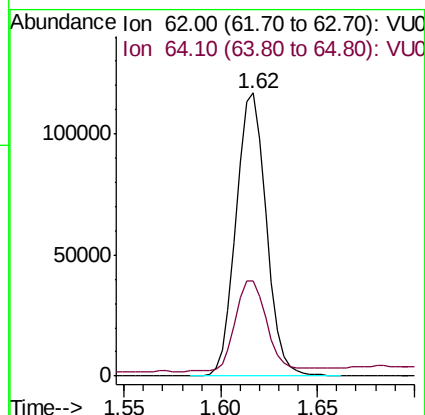
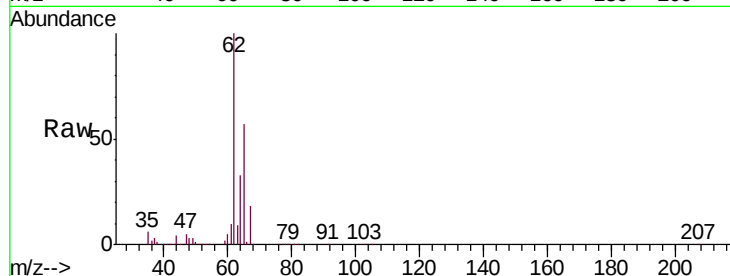
VSTD00527

Tgt Ion: 62 Resp: 126802

Ion Ratio Lower Upper

62 100

64 33.5 24.3 45.1



#6

Bromomethane

Concen: 3.885 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU036071.D

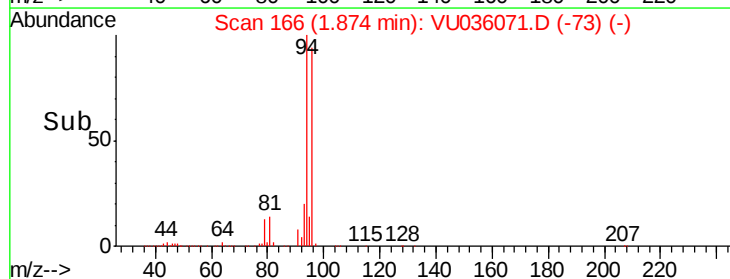
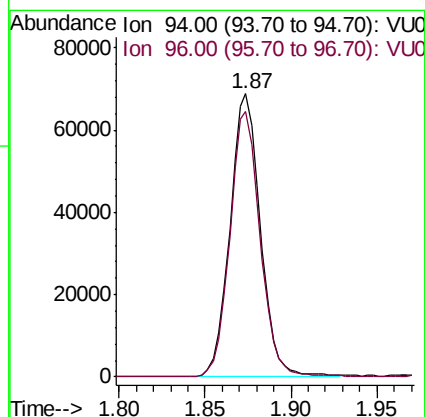
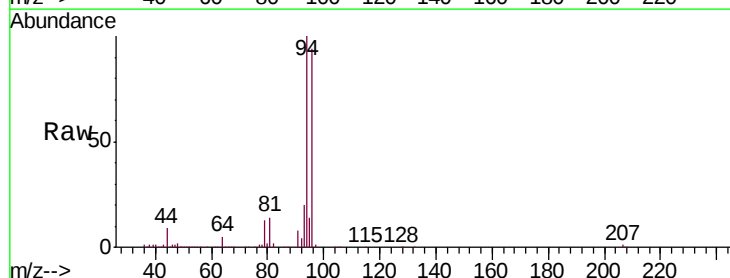
Acq: 10 Dec 2019 01:28

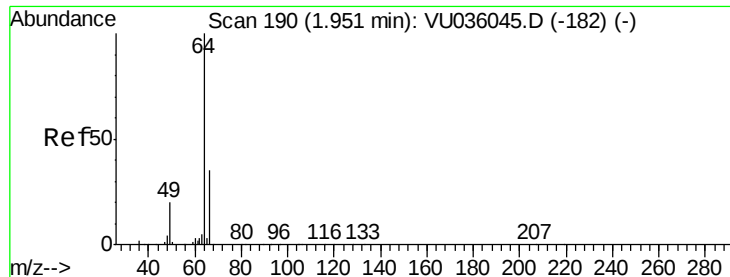
Tgt Ion: 94 Resp: 85004

Ion Ratio Lower Upper

94 100

96 93.9 66.8 124.2

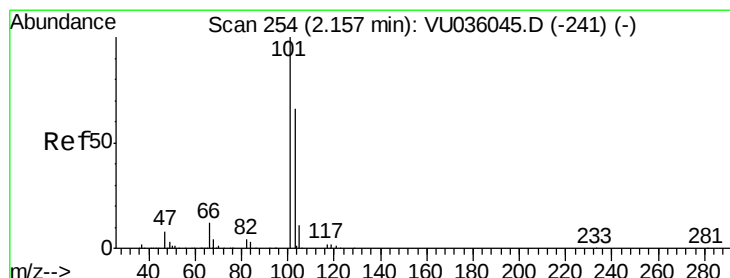
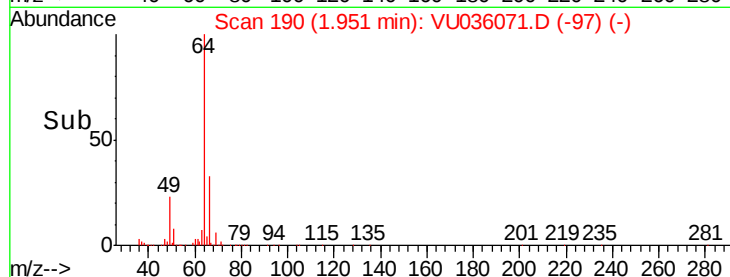
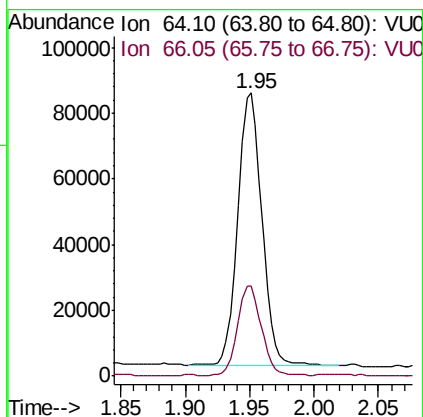
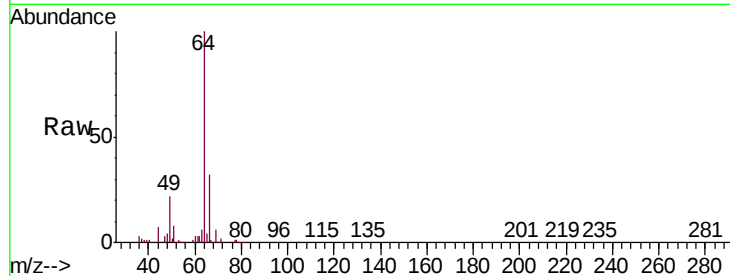




#8
Chloroethane
Concen: 5.230 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU036071.D
Acq: 10 Dec 2019 01:28

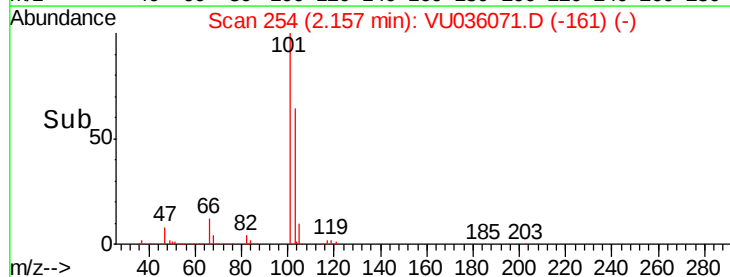
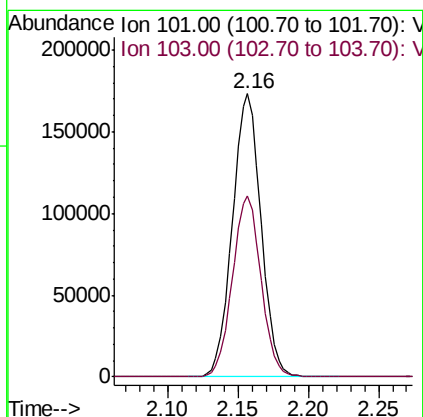
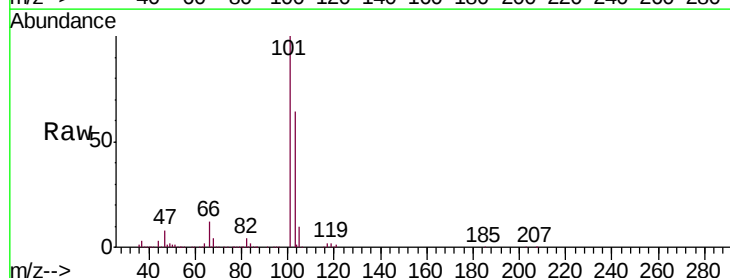
Instrument :
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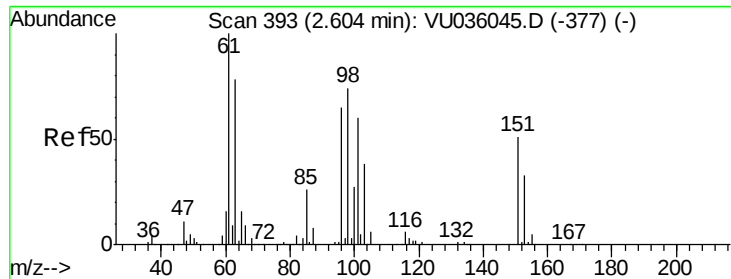
Tgt Ion: 64 Resp: 108323
Ion Ratio Lower Upper
64 100
66 31.7 21.5 39.9



#9
Trichlorofluoromethane
Concen: 5.196 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU036071.D
Acq: 10 Dec 2019 01:28

Tgt Ion: 101 Resp: 246282
Ion Ratio Lower Upper
101 100
103 63.7 52.6 78.8





#10

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

Concen: 4.950 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036071.D

Acq: 10 Dec 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

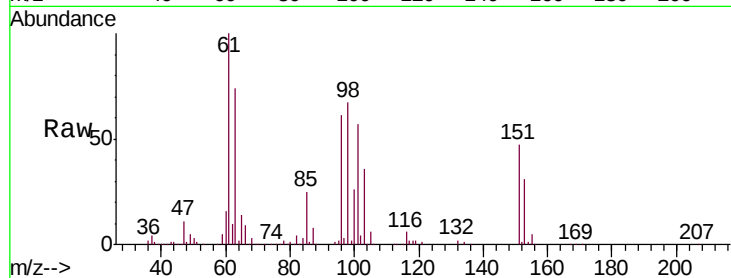
Tgt Ion: 101 Resp: 130211

Ion Ratio Lower Upper

101 100

85 43.1 33.1 49.7

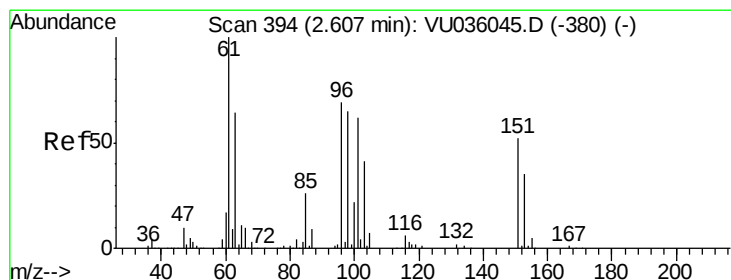
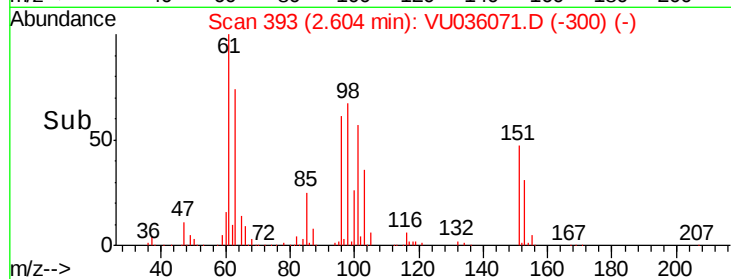
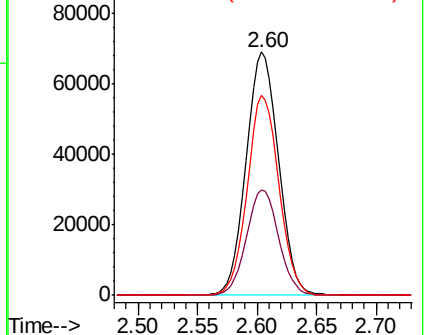
151 80.3 66.5 99.7



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: 5.038 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036071.D

Acq: 10 Dec 2019 01:28

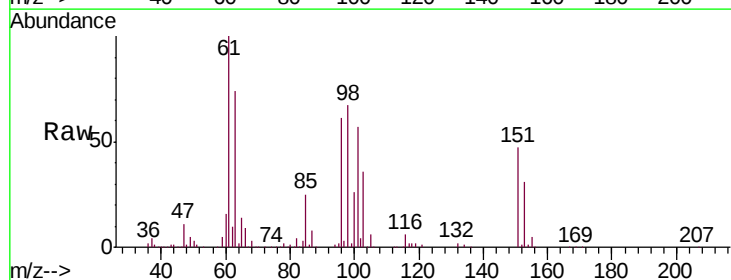
Tgt Ion: 96 Resp: 119165

Ion Ratio Lower Upper

96 100

61 164.5 104.3 193.7

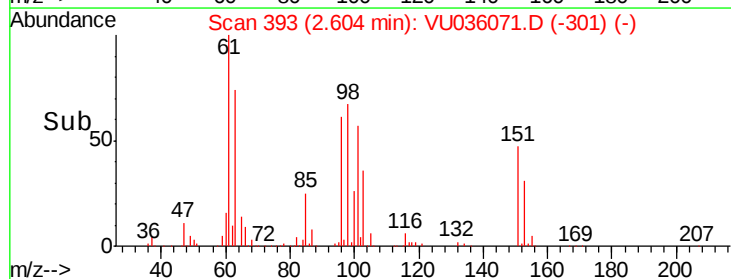
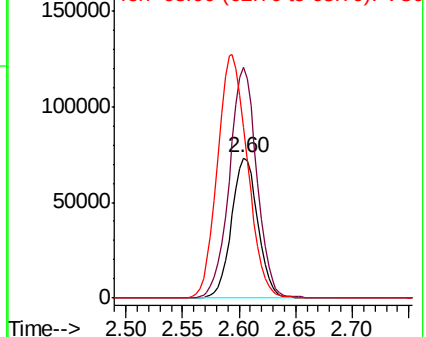
63 121.9 65.6 121.8#

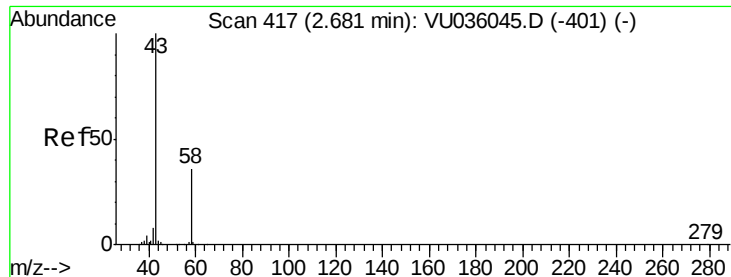


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 43.234 ug/L

RT: 2.68 min Scan# 417

Delta R.T. -0.00 min

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ClientSampleId :

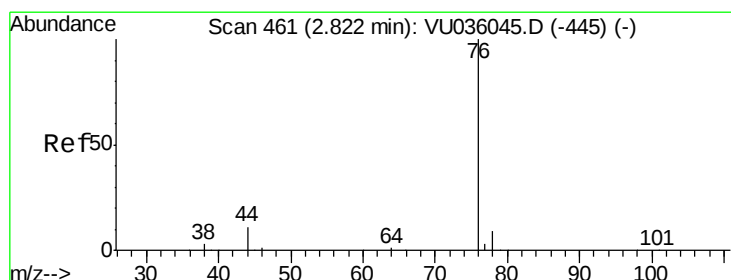
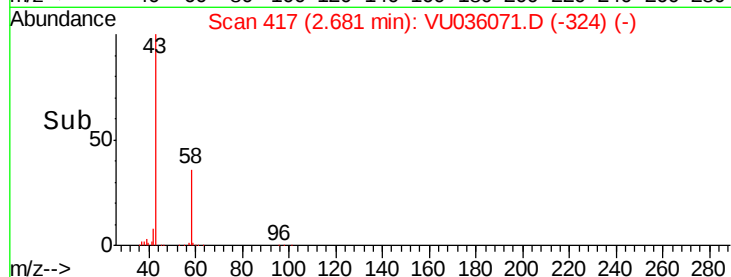
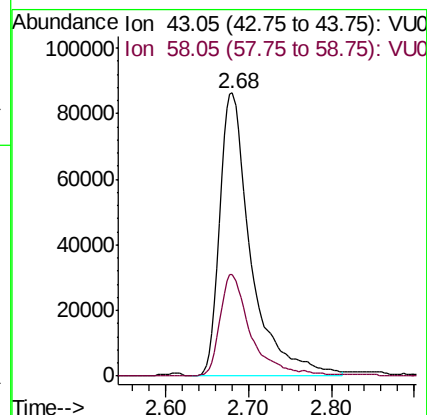
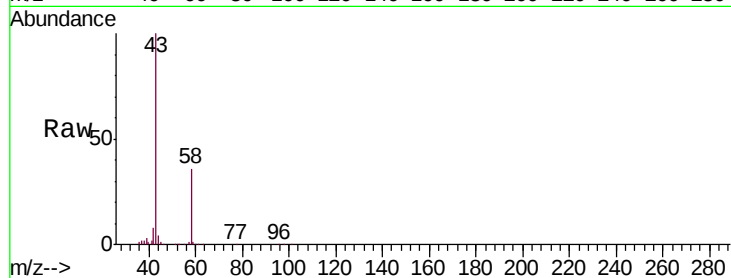
VSTD00527

Tgt Ion: 43 Resp: 226623

Ion Ratio Lower Upper

43 100

58 34.4 0.0 74.2



#14

Carbon disulfide

Concen: 5.633 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036071.D

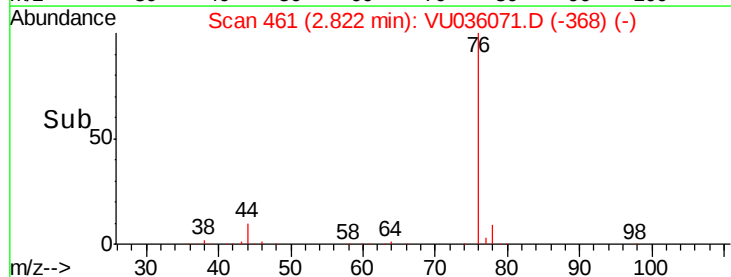
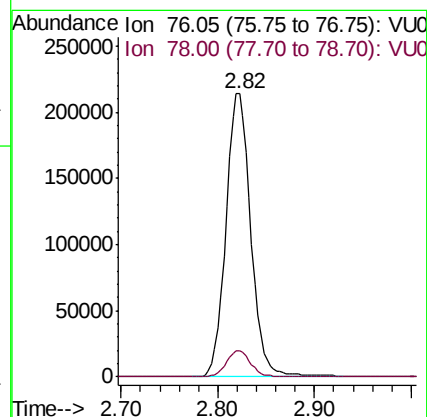
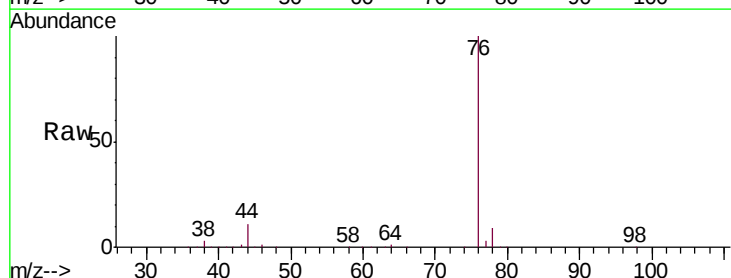
Acq: 10 Dec 2019 01:28

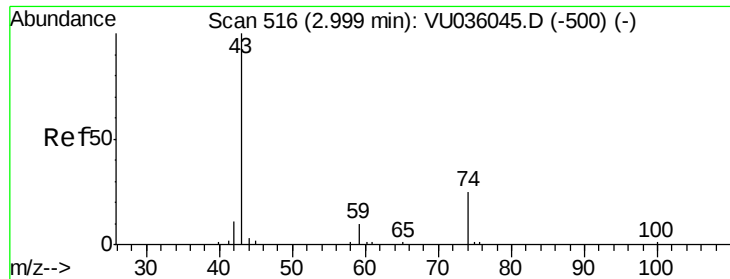
Tgt Ion: 76 Resp: 381710

Ion Ratio Lower Upper

76 100

78 9.3 7.7 11.5

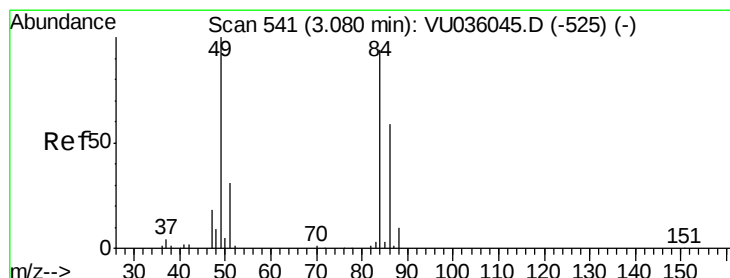
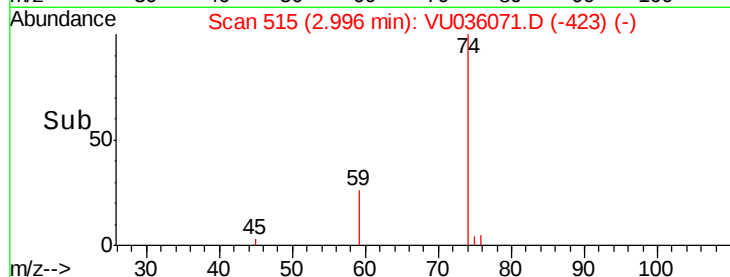
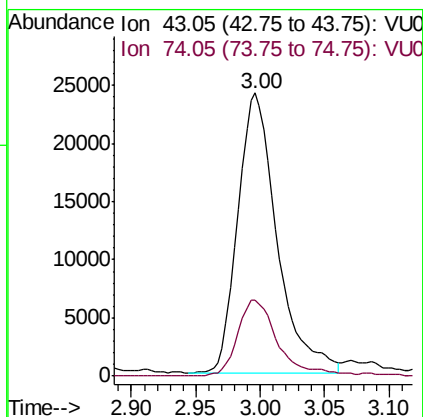
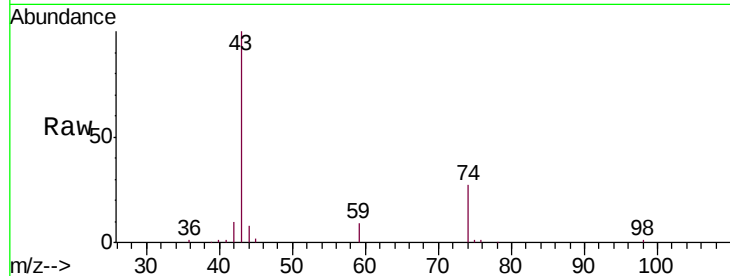




#15
Methyl Acetate
Concen: 6.614 ug/L
RT: 3.00 min Scan# 515
Delta R.T. -0.00 min
Lab File: VU036071.D
Acq: 10 Dec 2019 01:28

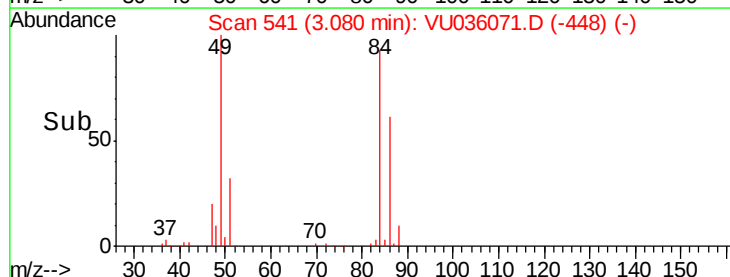
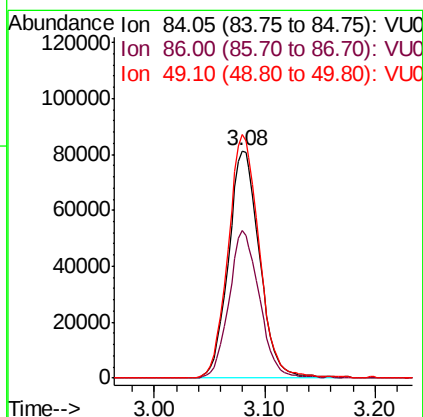
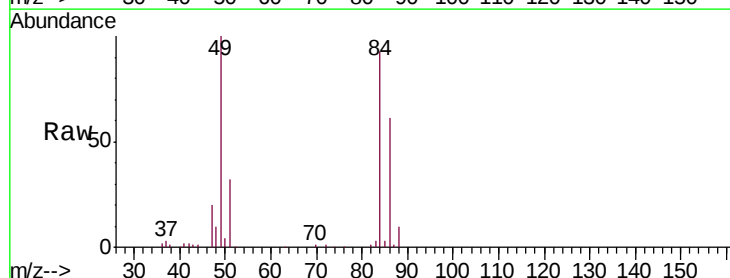
Instrument :
MSVOA_U
ClientSampled :
VSTD00527

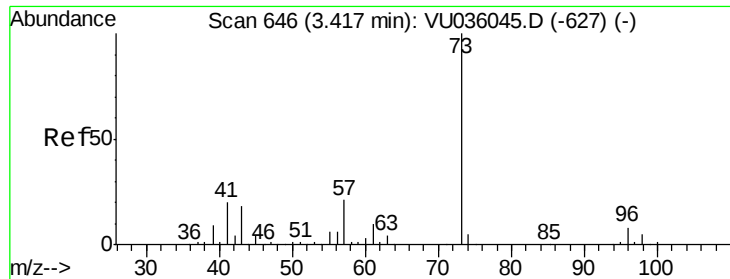
Tgt Ion: 43 Resp: 51185
Ion Ratio Lower Upper
43 100
74 27.8 21.0 31.4



#16
Methylene chloride
Concen: 5.790 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036071.D
Acq: 10 Dec 2019 01:28

Tgt Ion: 84 Resp: 159037
Ion Ratio Lower Upper
84 100
86 64.9 47.5 88.3
49 107.2 76.9 142.9



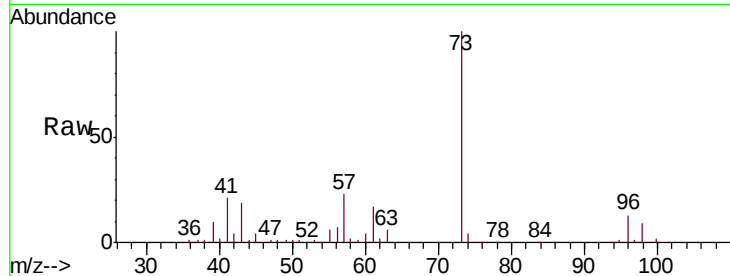


#17

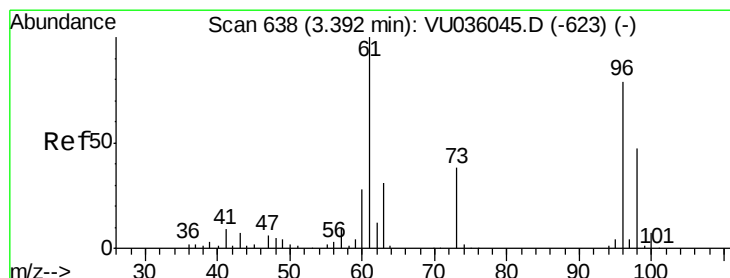
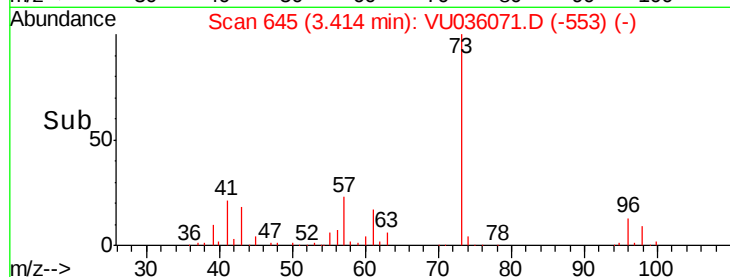
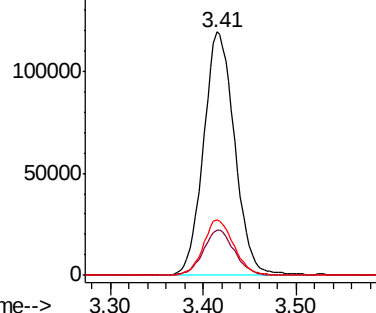
Methyl tert-butyl Ether
 Concen: 6.823 ug/L
 RT: 3.41 min Scan# 645
 Delta R.T. -0.00 min
 Lab File: VU036071.D
 Acq: 10 Dec 2019 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tgt Ion: 73 Resp: 277832
 Ion Ratio Lower Upper
 73 100
 43 18.0 15.6 23.4
 57 22.5 17.4 26.2



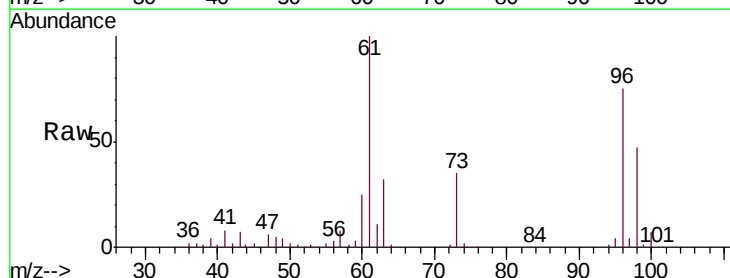
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



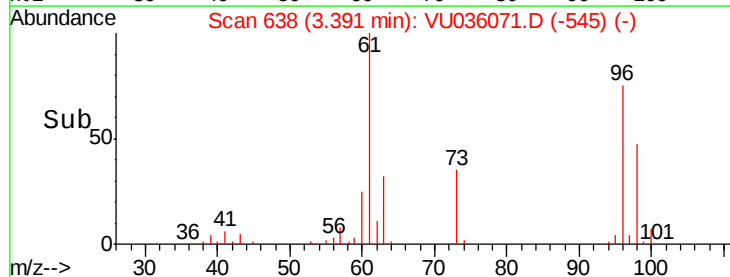
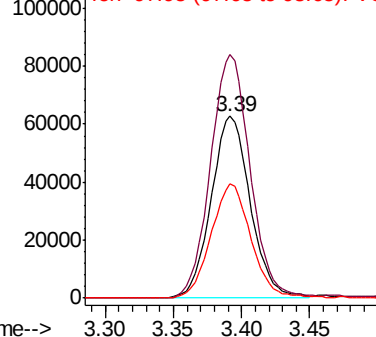
#18

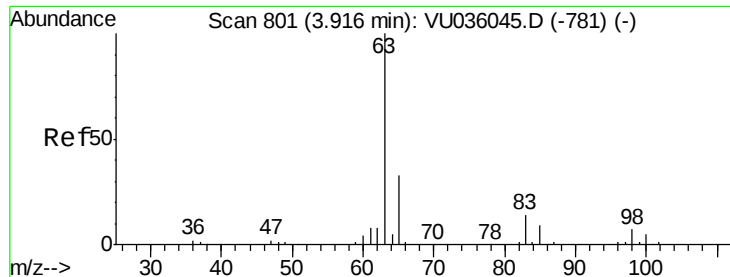
trans-1,2-Dichloroethene
 Concen: 6.204 ug/L
 RT: 3.39 min Scan# 638
 Delta R.T. -0.00 min
 Lab File: VU036071.D
 Acq: 10 Dec 2019 01:28

Tgt Ion: 96 Resp: 125270
 Ion Ratio Lower Upper
 96 100
 61 133.8 92.0 170.8
 98 63.1 44.6 82.8



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

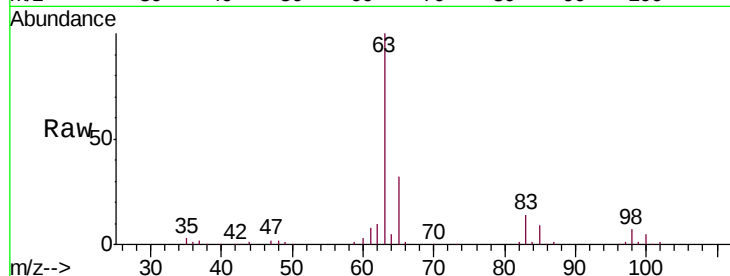




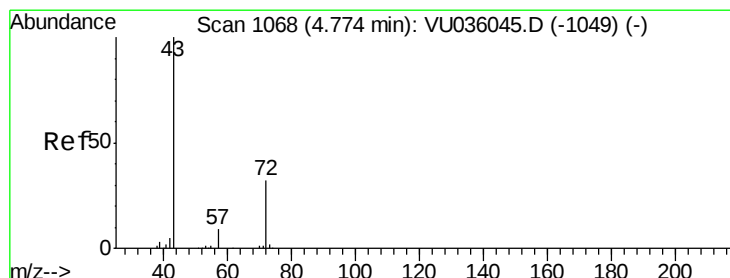
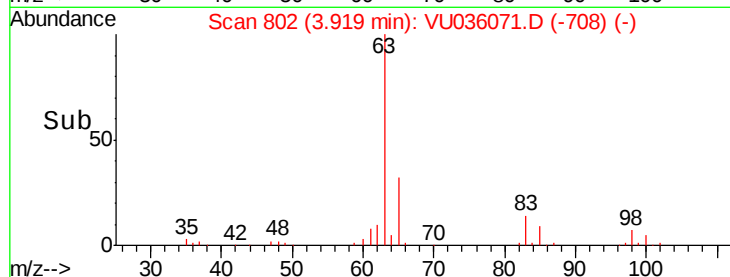
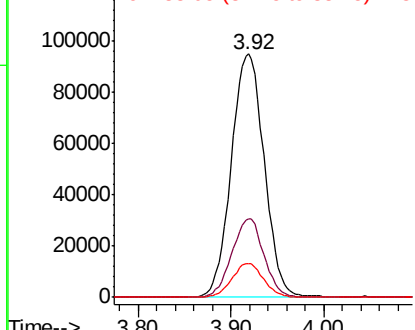
#19
 1,1-Dichloroethane
 Concen: 6.465 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU036071.D
 Acq: 10 Dec 2019 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tgt Ion: 63 Resp: 234283
 Ion Ratio Lower Upper
 63 100
 65 32.4 21.8 40.4
 83 14.1 10.1 18.9

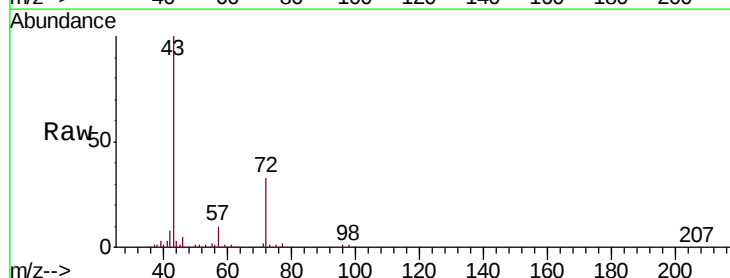


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

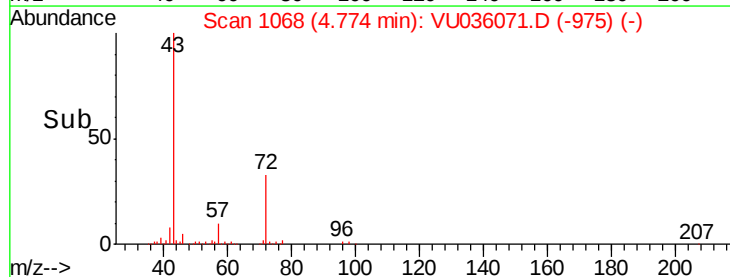
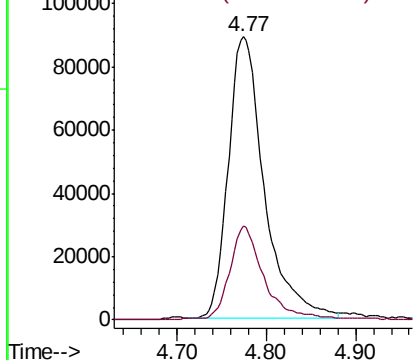


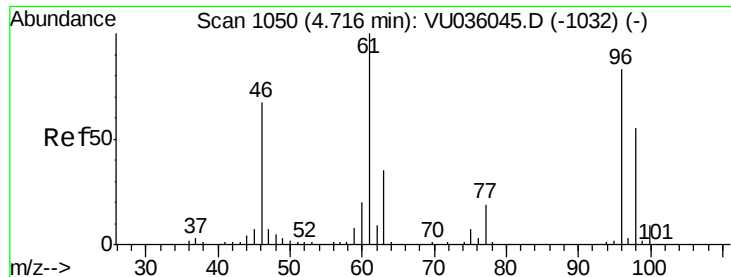
#21
 2-Butanone
 Concen: 47.268 ug/L
 RT: 4.77 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VU036071.D
 Acq: 10 Dec 2019 01:28

Tgt Ion: 43 Resp: 247991
 Ion Ratio Lower Upper
 43 100
 72 32.3 15.0 45.0



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 5.039 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU036071.D

Acq: 10 Dec 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

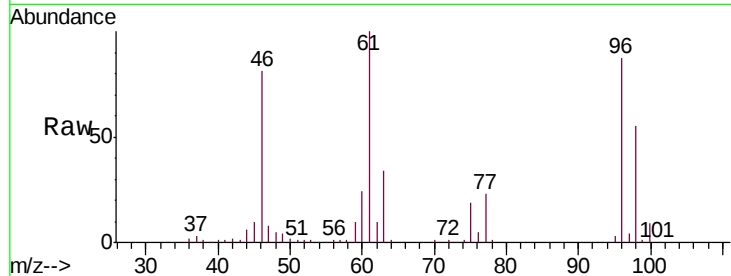
Tgt Ion: 96 Resp: 106777

Ion Ratio Lower Upper

96 100

61 115.3 83.0 154.2

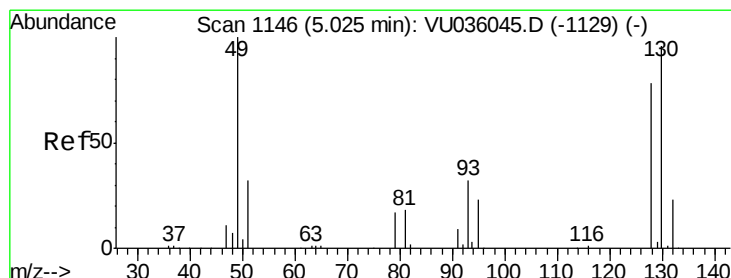
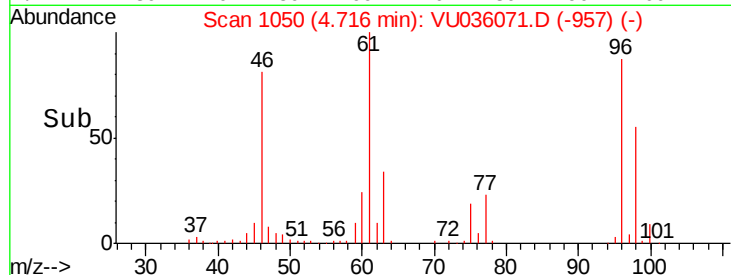
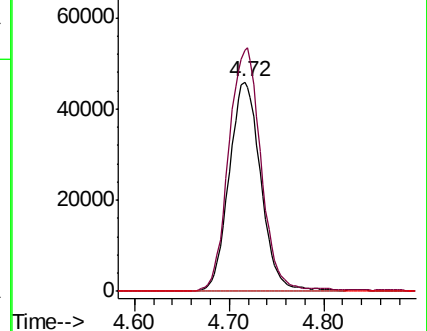
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036071.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU036071.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU036071.D (-957) (-)



#23

Bromochloromethane

Concen: 4.951 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VU036071.D

Acq: 10 Dec 2019 01:28

Tgt Ion: 128 Resp: 54241

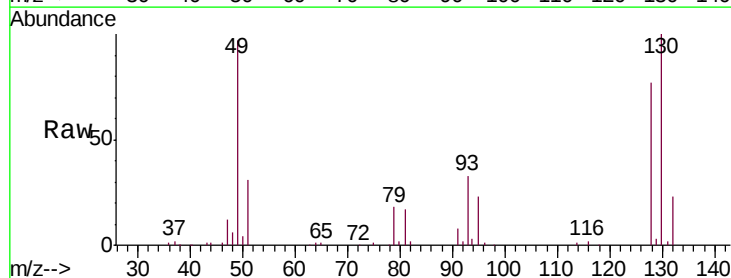
Ion Ratio Lower Upper

128 100

49 124.7 90.2 167.6

130 129.1 89.0 165.4

51 40.1 33.8 50.6

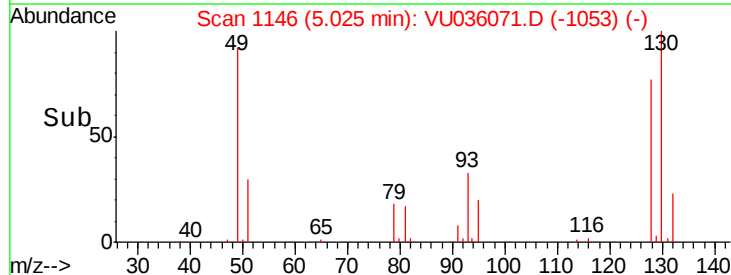
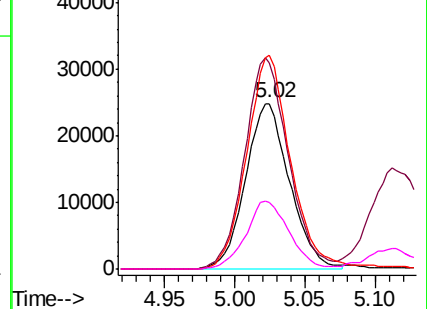


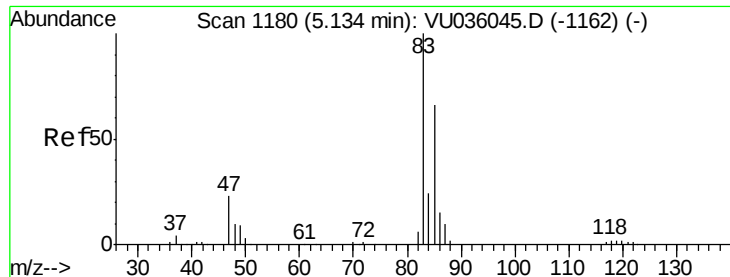
Abundance Ion 127.90 (127.60 to 128.60): VU036071.D (-1053) (-)

Ion 49.10 (48.80 to 49.80): VU036071.D (-1053) (-)

Ion 129.95 (129.65 to 130.65): VU036071.D (-1053) (-)

Ion 51.05 (50.75 to 51.75): VU036071.D (-1053) (-)

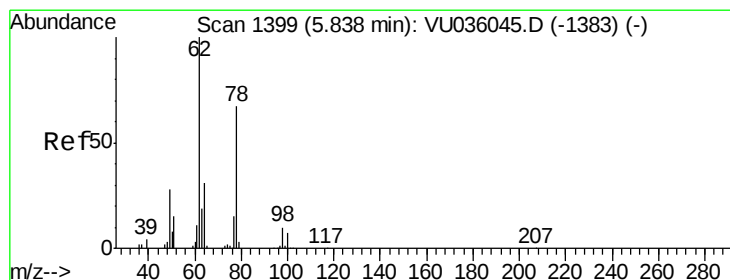
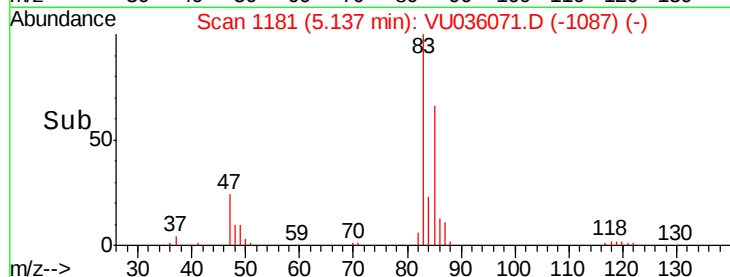
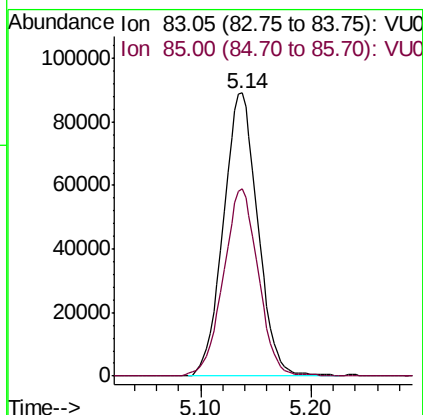
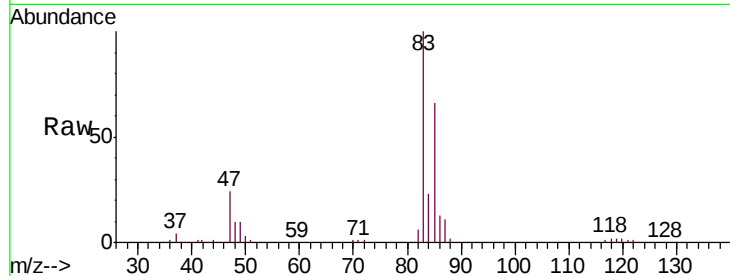




#25
Chloroform
Concen: 4.769 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036071.D
Acq: 10 Dec 2019 01:28

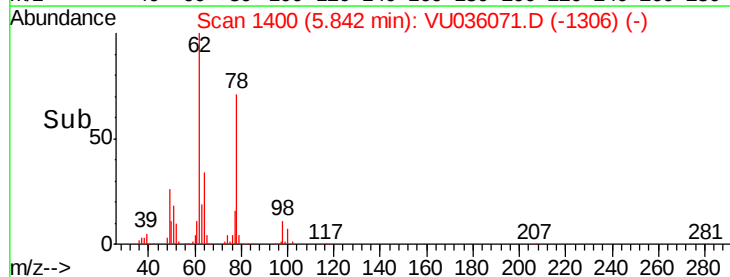
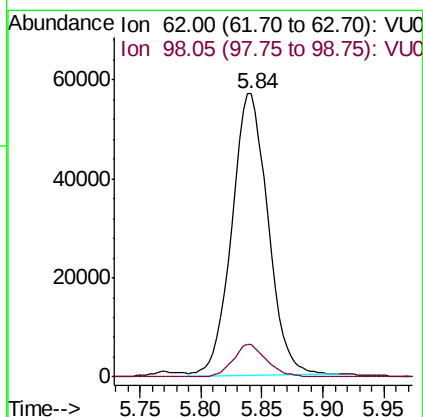
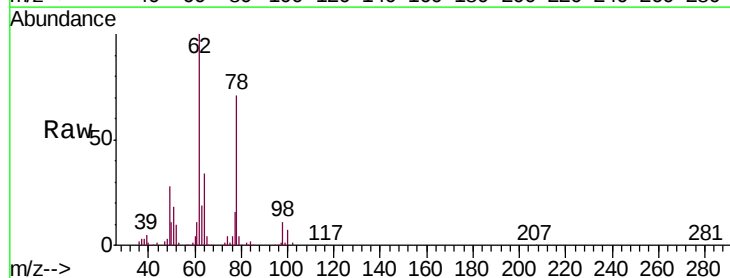
Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

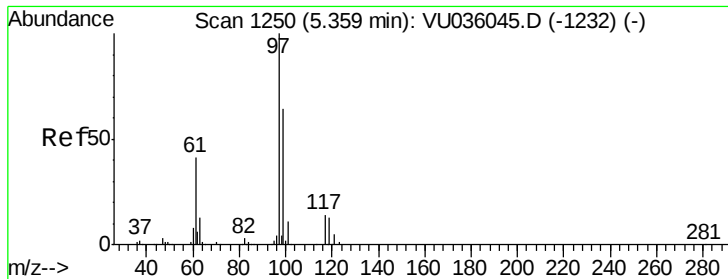
Tgt Ion: 83 Resp: 192576
Ion Ratio Lower Upper
83 100
85 66.3 43.9 81.5



#27
1,2-Dichloroethane
Concen: 4.921 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU036071.D
Acq: 10 Dec 2019 01:28

Tgt Ion: 62 Resp: 117426
Ion Ratio Lower Upper
62 100
98 11.3 8.2 12.2

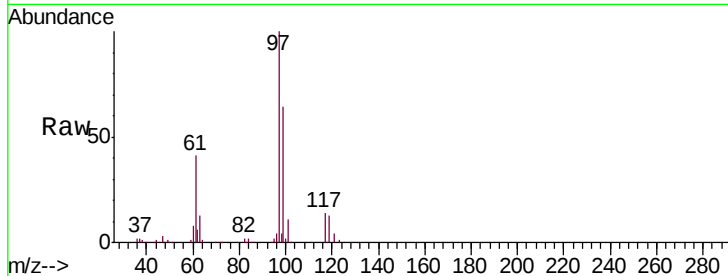




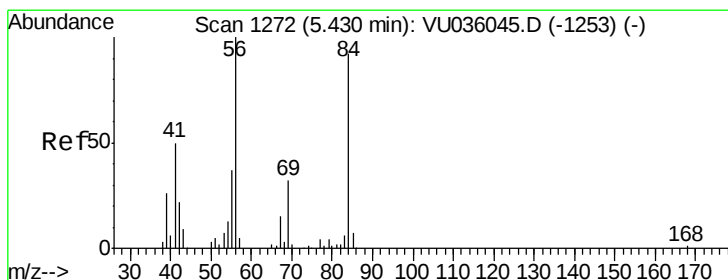
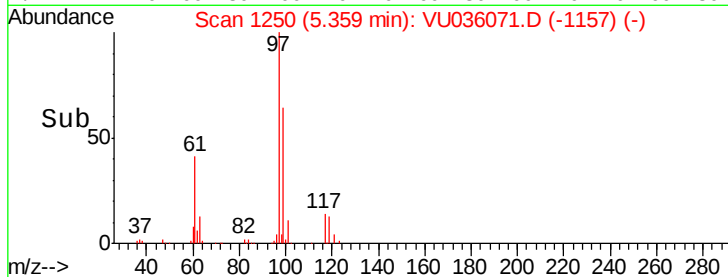
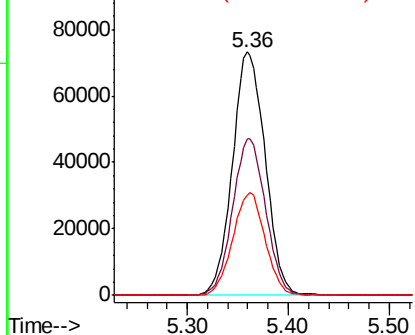
#29
1,1,1-Trichloroethane
Concen: 5.100 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU036071.D
Acq: 10 Dec 2019 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.2	78.2
61	41.5	34.7	52.1

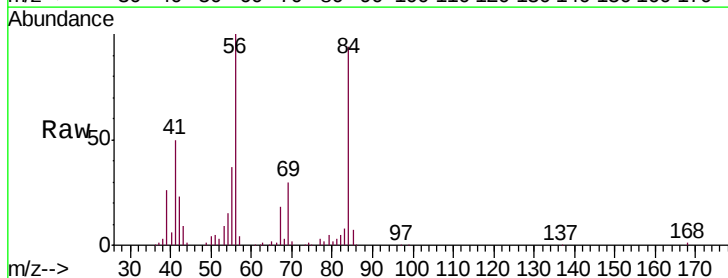


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

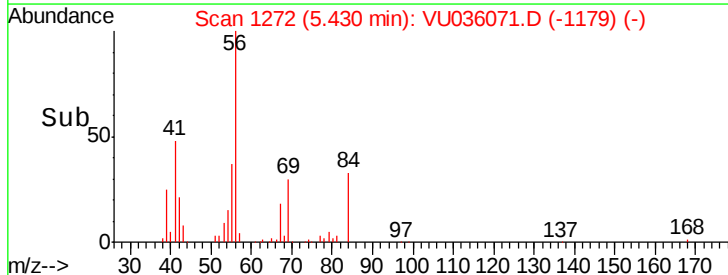
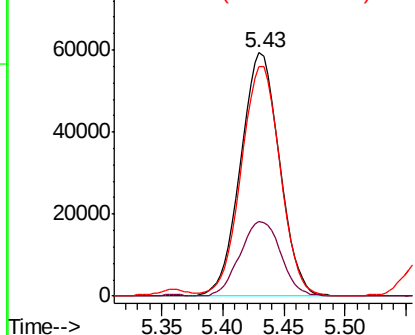


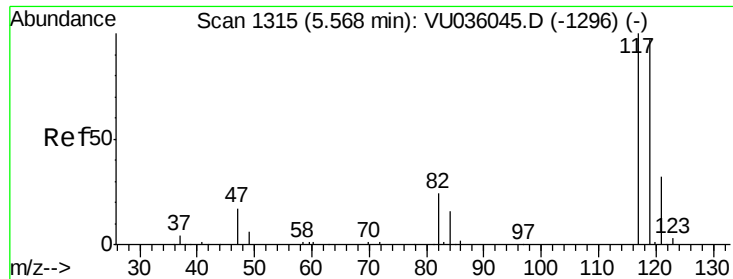
#30
Cyclohexane
Concen: 5.143 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU036071.D
Acq: 10 Dec 2019 01:28

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.4	38.0
84	94.5	74.5	111.7



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

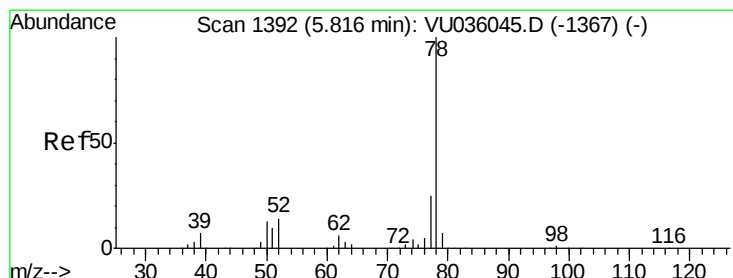
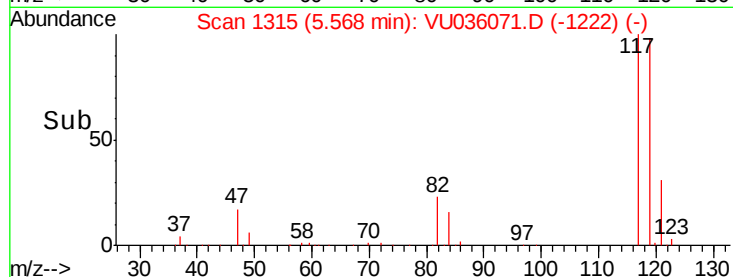
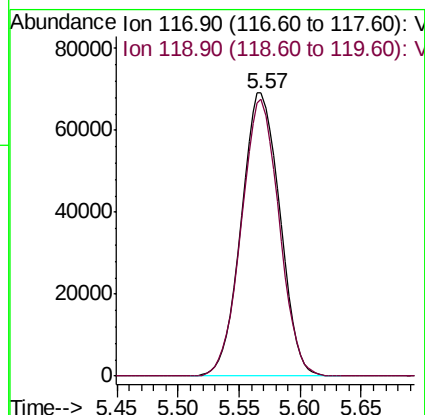
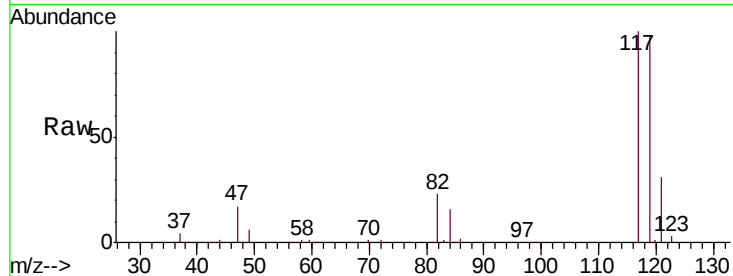




#31
Carbon tetrachloride
Concen: 5.162 ug/L
RT: 5.57 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU036071.D
Acq: 10 Dec 2019 01:28

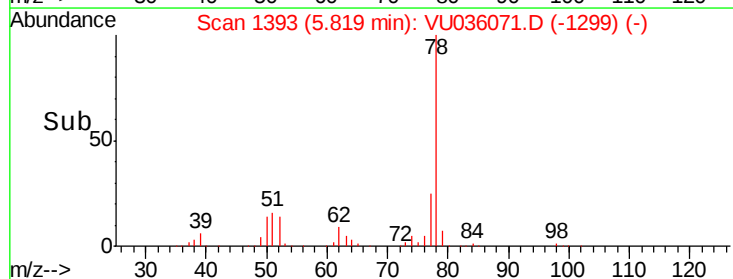
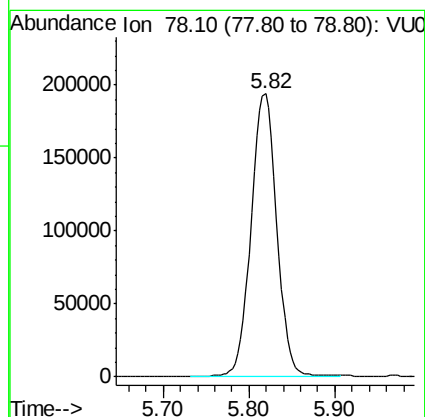
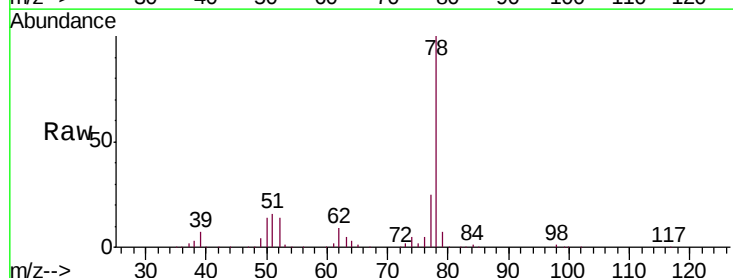
Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

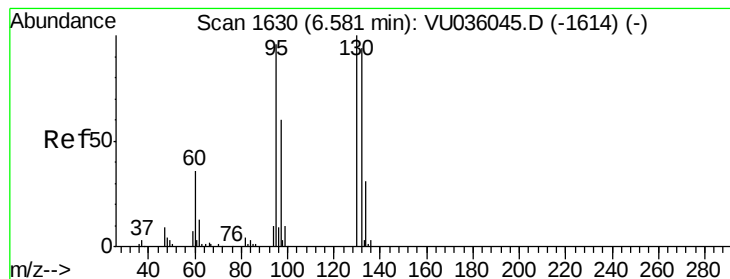
Tgt Ion:117 Resp: 151295
Ion Ratio Lower Upper
117 100
119 95.5 78.2 117.4



#33
Benzene
Concen: 5.165 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU036071.D
Acq: 10 Dec 2019 01:28

Tgt Ion: 78 Resp: 405949





#34

Trichloroethene

Concen: 5.182 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU036071.D

Acq: 10 Dec 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

Tgt Ion: 95 Resp: 108137

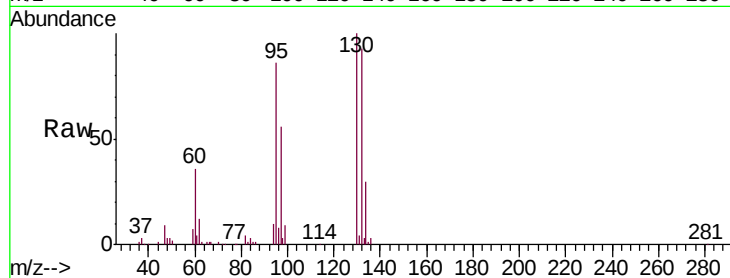
Ion Ratio Lower Upper

95 100

97 64.9 44.4 82.4

132 107.2 73.4 136.4

130 115.6 75.9 141.1

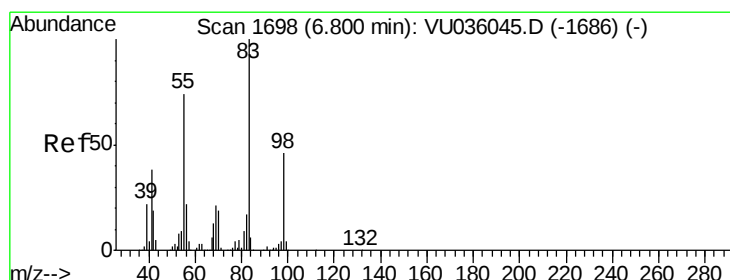
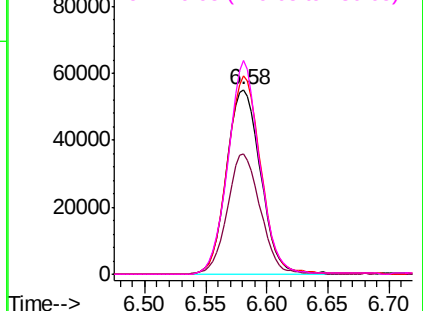
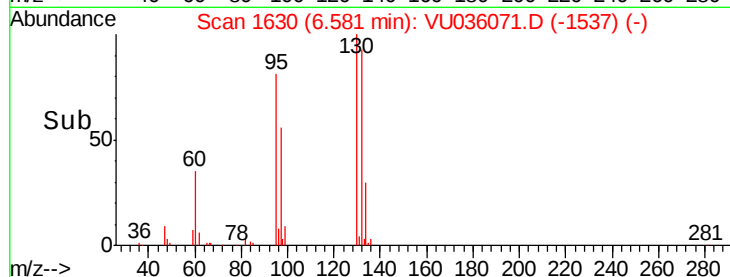


Abundance Ion 95.00 (94.70 to 95.70): VU036071.D (-1537) (-)

Ion 96.95 (96.65 to 97.65): VU036071.D (-1537) (-)

Ion 131.95 (131.65 to 132.65): VU036071.D (-1537) (-)

Ion 129.95 (129.65 to 130.65): VU036071.D (-1537) (-)



#35

Methylcyclohexane

Concen: 5.196 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU036071.D

Acq: 10 Dec 2019 01:28

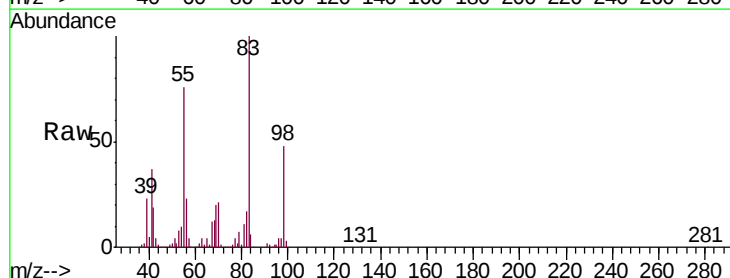
Tgt Ion: 83 Resp: 145472

Ion Ratio Lower Upper

83 100

55 74.9 62.1 93.1

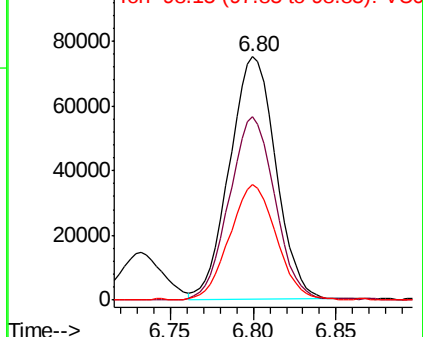
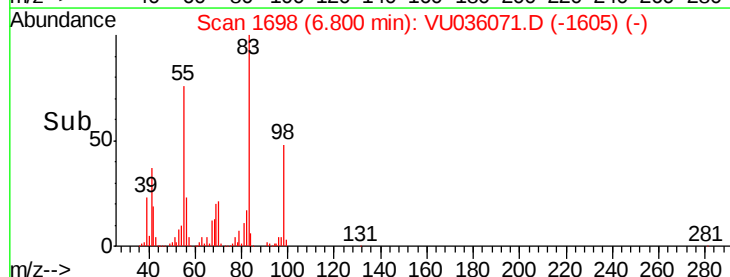
98 47.6 37.0 55.4

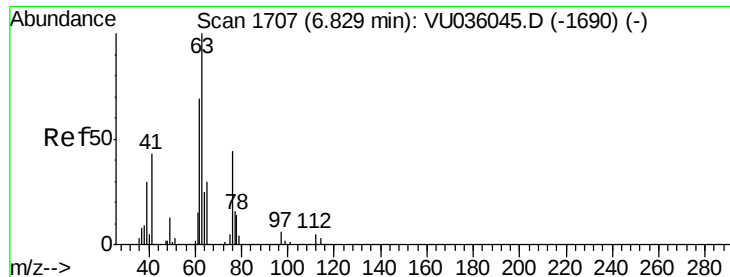


Abundance Ion 83.15 (82.85 to 83.85): VU036071.D (-1605) (-)

Ion 55.10 (54.80 to 55.80): VU036071.D (-1605) (-)

Ion 98.15 (97.85 to 98.85): VU036071.D (-1605) (-)





#37

1,2-Dichloropropane

Concen: 5.019 ug/L

RT: 6.83 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VU036071.D

Acq: 10 Dec 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

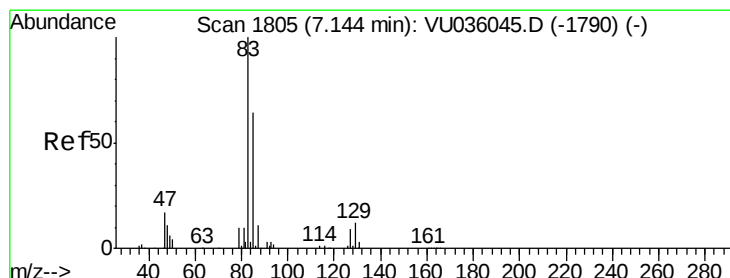
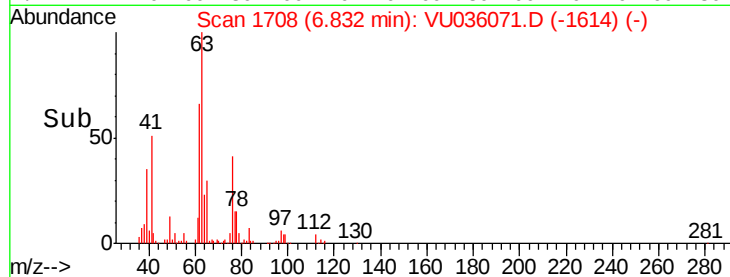
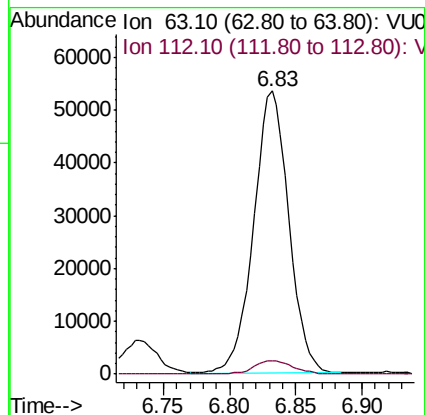
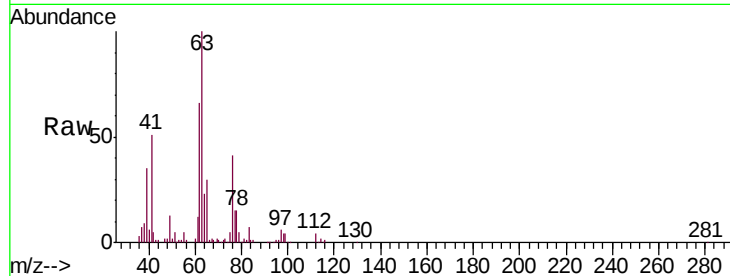
VSTD00527

Tgt Ion: 63 Resp: 98960

Ion Ratio Lower Upper

63 100

112 5.1 3.8 5.8



#38

Bromodichloromethane

Concen: 5.191 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VU036071.D

Acq: 10 Dec 2019 01:28

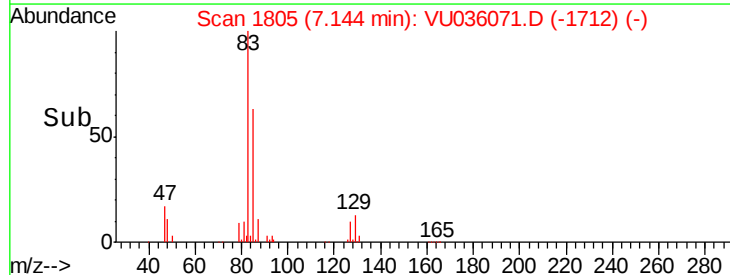
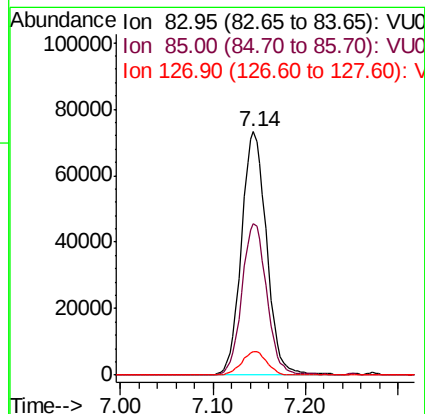
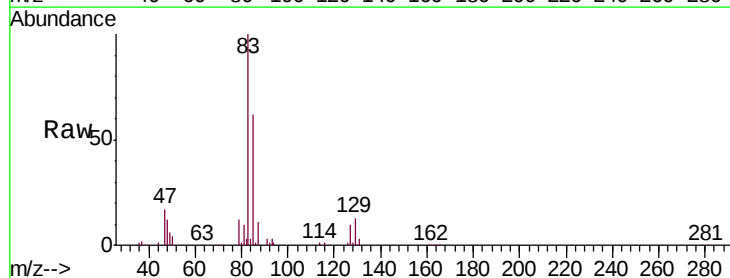
Tgt Ion: 83 Resp: 137555

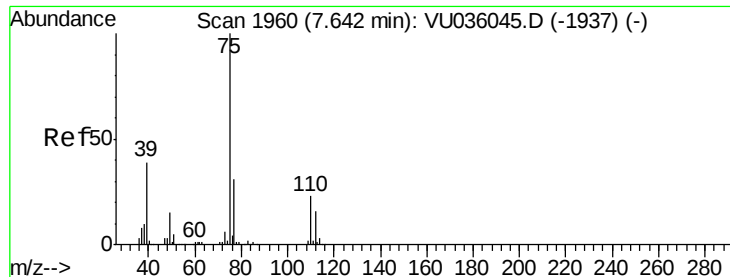
Ion Ratio Lower Upper

83 100

85 62.4 45.2 84.0

127 9.8 7.4 11.2



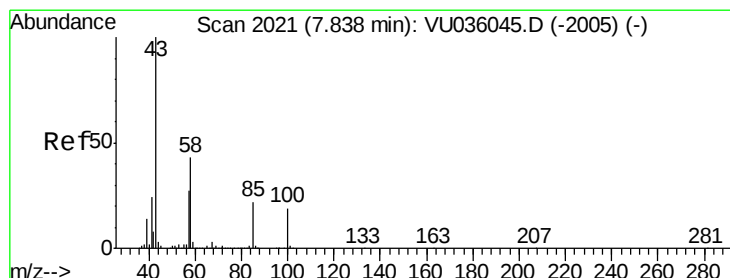
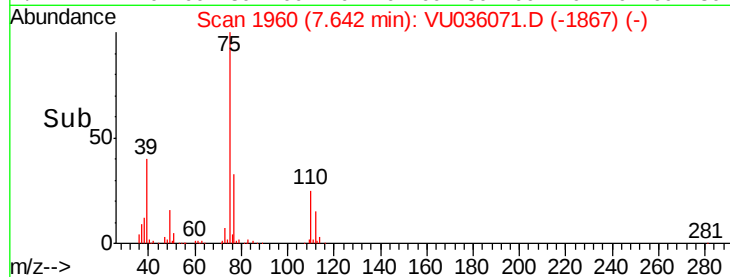
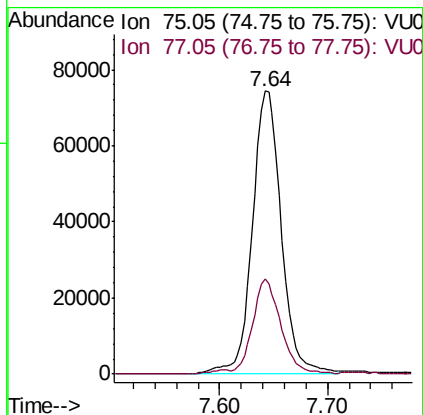
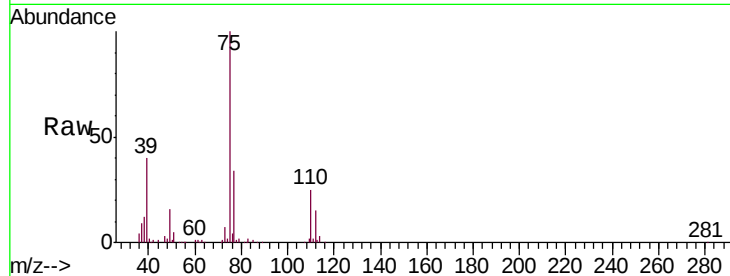


#39

cis-1,3-Dichloropropene
 Concen: 5.183 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU036071.D
 Acq: 10 Dec 2019 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

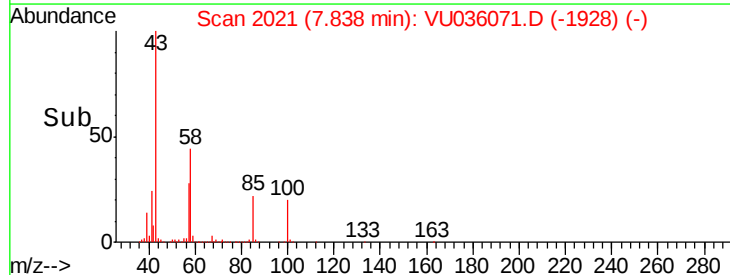
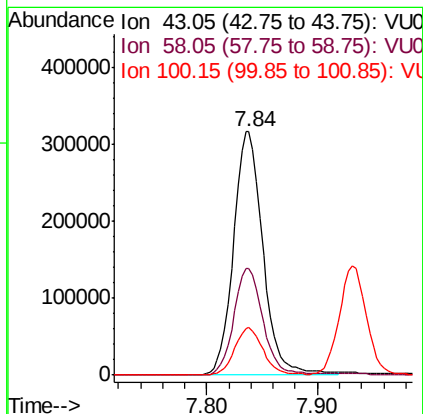
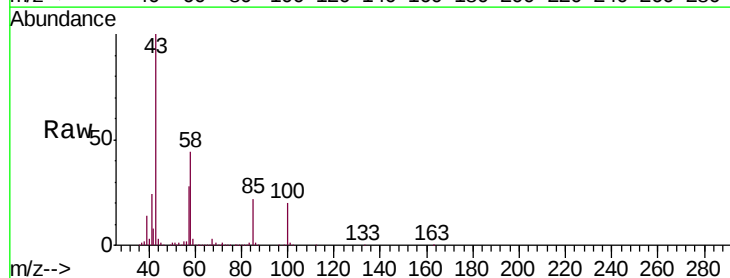
Tgt Ion: 75 Resp: 138879
 Ion Ratio Lower Upper
 75 100
 77 33.6 21.7 40.3

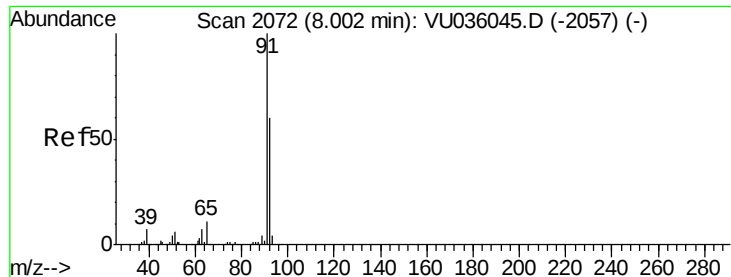


#40

4-Methyl-2-pentanone
 Concen: 56.717 ug/L
 RT: 7.84 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: VU036071.D
 Acq: 10 Dec 2019 01:28

Tgt Ion: 43 Resp: 584057
 Ion Ratio Lower Upper
 43 100
 58 43.6 34.5 51.7
 100 18.9 14.3 21.5





#42

Toluene

Concen: 5.419 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036071.D

Acq: 10 Dec 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

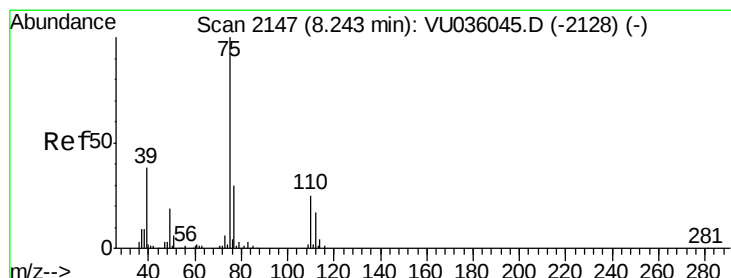
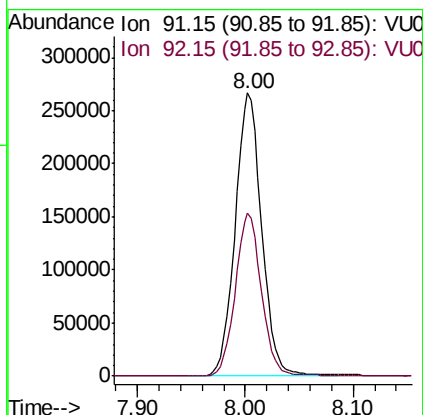
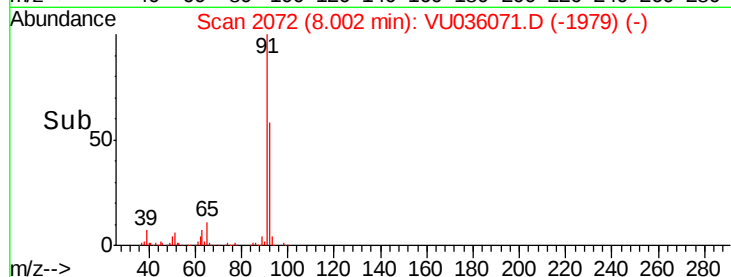
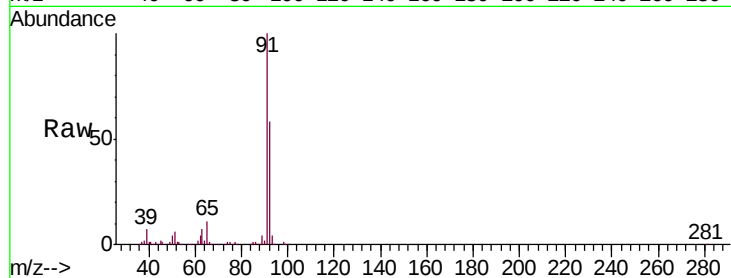
VSTD00527

Tgt Ion: 91 Resp: 456782

Ion Ratio Lower Upper

91 100

92 57.8 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 5.255 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU036071.D

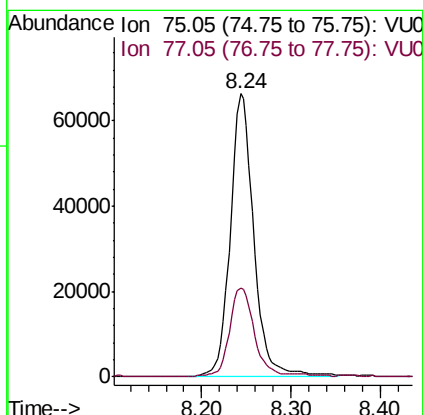
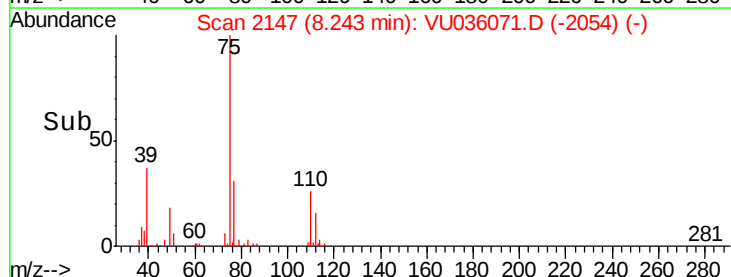
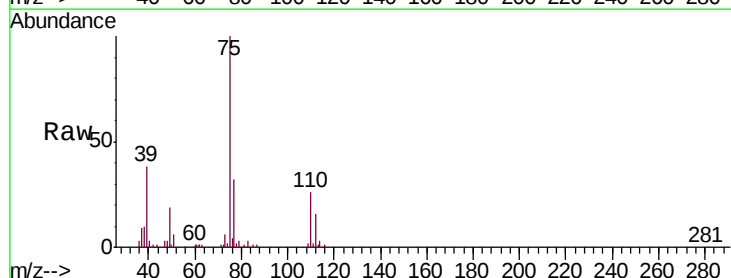
Acq: 10 Dec 2019 01:28

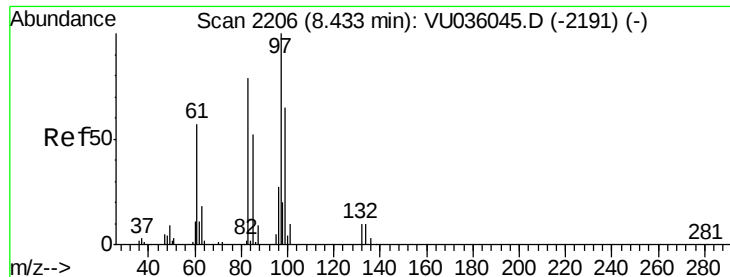
Tgt Ion: 75 Resp: 121728

Ion Ratio Lower Upper

75 100

77 31.5 22.9 42.5

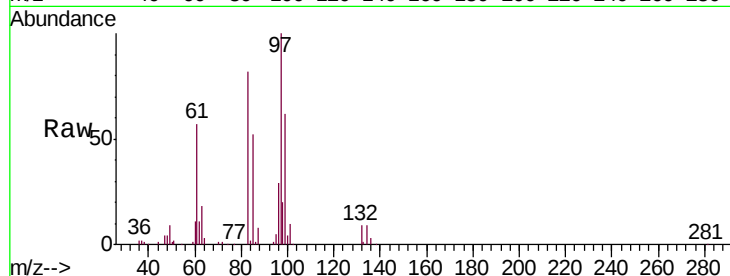




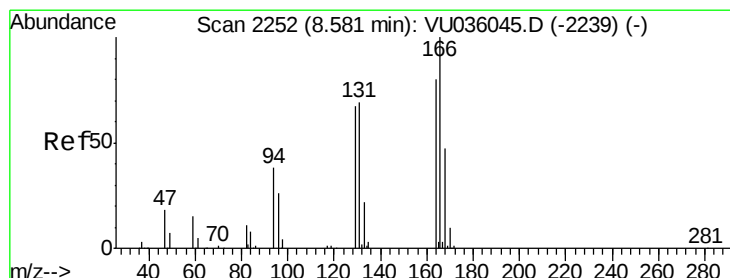
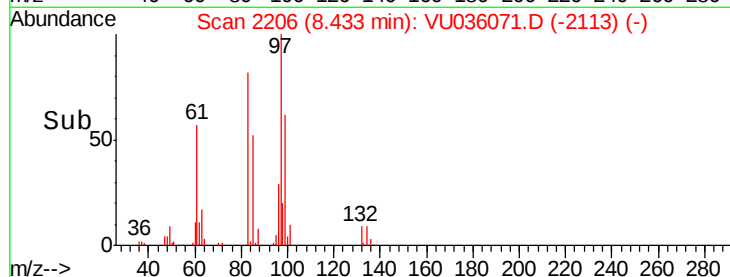
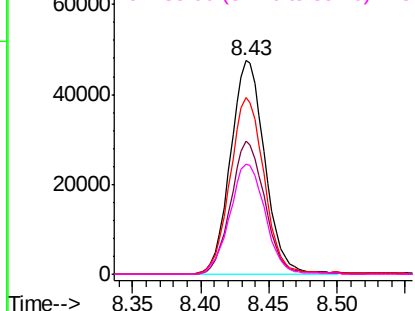
#45
 1,1,2-Trichloroethane
 Concen: 5.354 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: VU036071.D
 Acq: 10 Dec 2019 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tgt Ion:	97	Resp:	83112
Ion	Ratio	Lower	Upper
97	100		
99	62.0	46.1	85.7
83	82.5	59.6	110.8
85	51.7	40.5	75.3

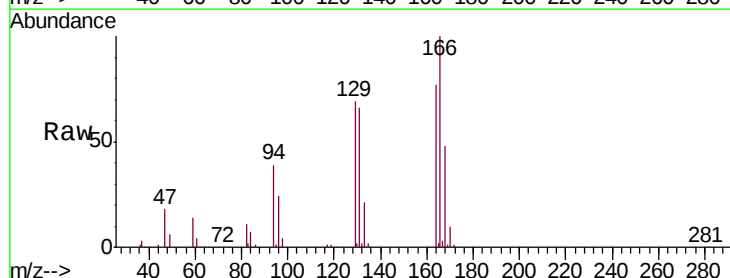


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

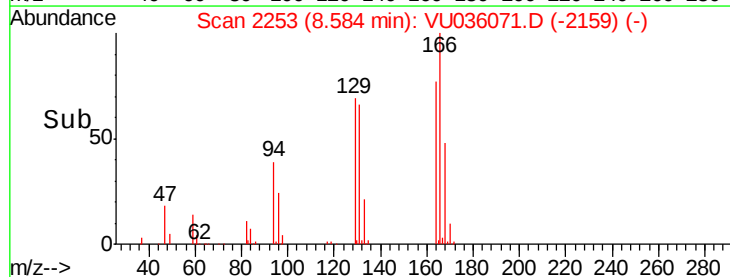
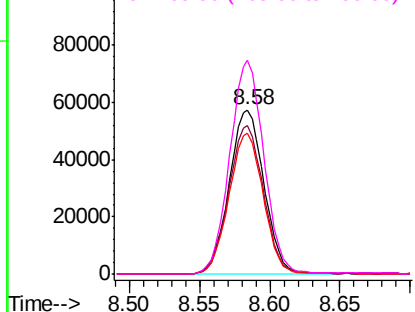


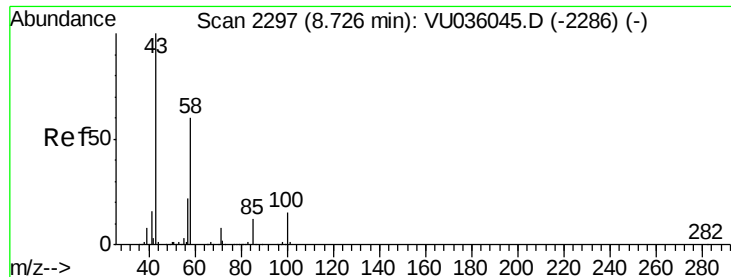
#47
 Tetrachloroethene
 Concen: 5.008 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU036071.D
 Acq: 10 Dec 2019 01:28

Tgt Ion:	164	Resp:	99366
Ion	Ratio	Lower	Upper
164	100		
129	90.3	63.1	117.3
131	85.5	61.5	114.1
166	130.3	91.0	169.0



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

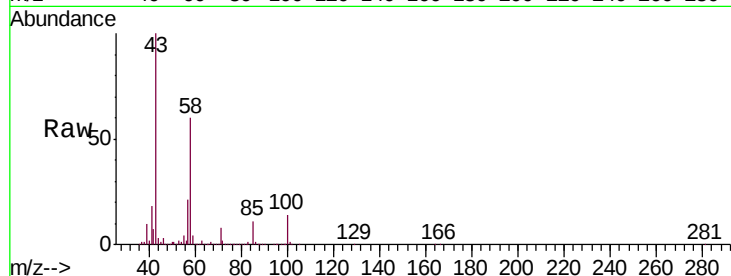




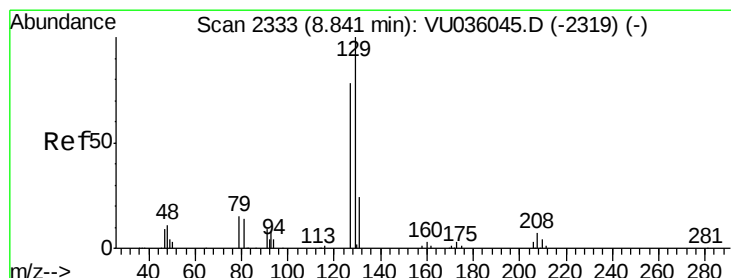
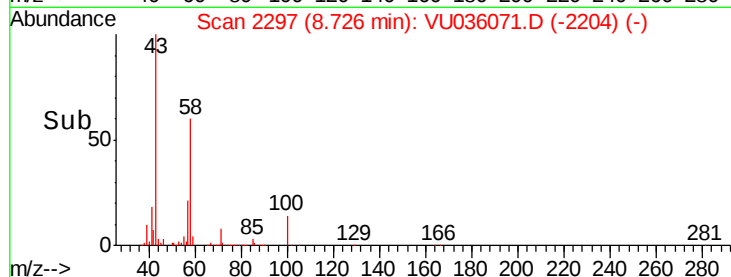
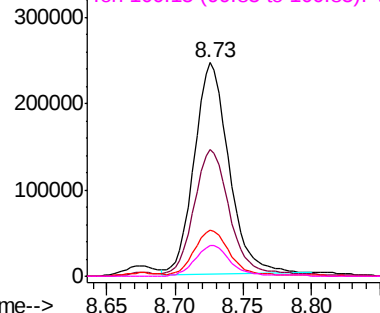
#48
2-Hexanone
Concen: 58.897 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. -0.00 min
Lab File: VU036071.D
Acq: 10 Dec 2019 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tgt Ion:	43	Resp:	435092
Ion	Ratio	Lower	Upper
43	100		
58	61.5	46.9	70.3
57	21.9	16.4	24.6
100	14.8	11.0	16.4

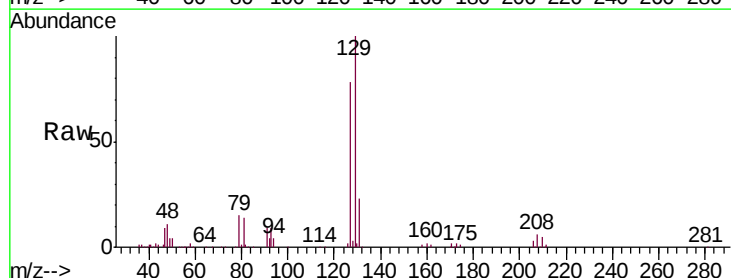


Abundance Ion 43.05 (42.75 to 43.75): VU036071.D (-2297) (-)
Ion 58.05 (57.75 to 58.75): VU036071.D (-2297) (-)
Ion 57.20 (56.90 to 57.90): VU036071.D (-2297) (-)
Ion 100.15 (99.85 to 100.85): VU036071.D (-2297) (-)

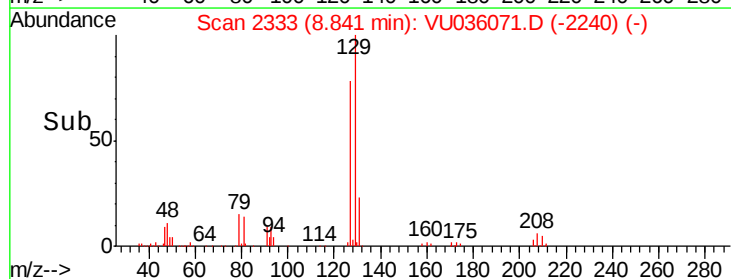
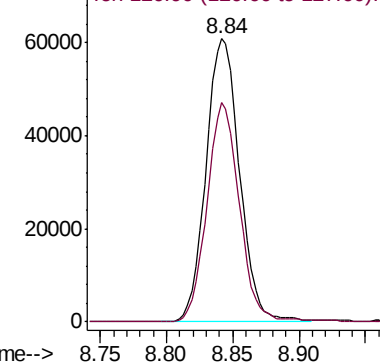


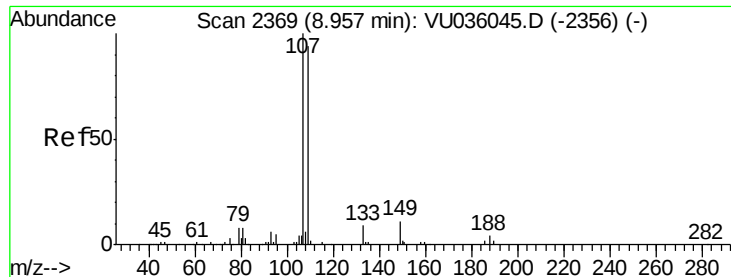
#49
Dibromochloromethane
Concen: 5.200 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU036071.D
Acq: 10 Dec 2019 01:28

Tgt Ion:	129	Resp:	107130
Ion	Ratio	Lower	Upper
129	100		
127	77.6	52.5	97.5



Abundance Ion 128.95 (128.65 to 129.65): VU036071.D (-2333) (-)
Ion 126.90 (126.60 to 127.60): VU036071.D (-2333) (-)

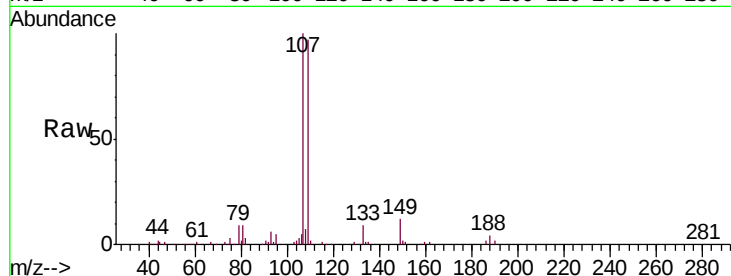




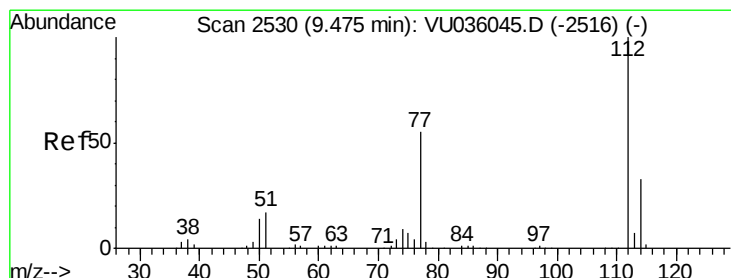
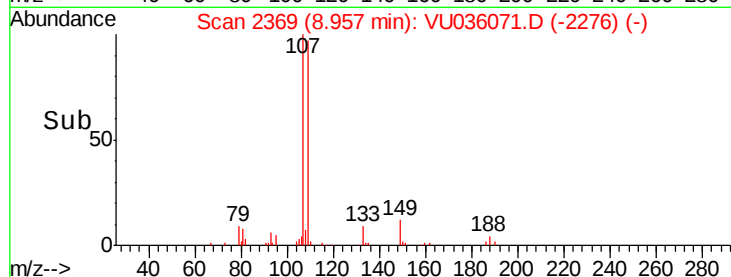
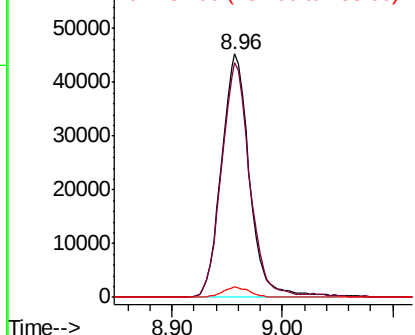
#50
1,2-Dibromoethane
Concen: 5.331 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VU036071.D
Acq: 10 Dec 2019 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tgt Ion:107 Resp: 80011
Ion Ratio Lower Upper
107 100
109 96.6 64.3 119.3
188 4.1 3.6 5.4

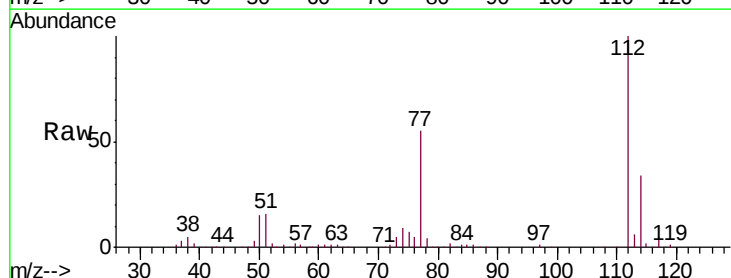


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

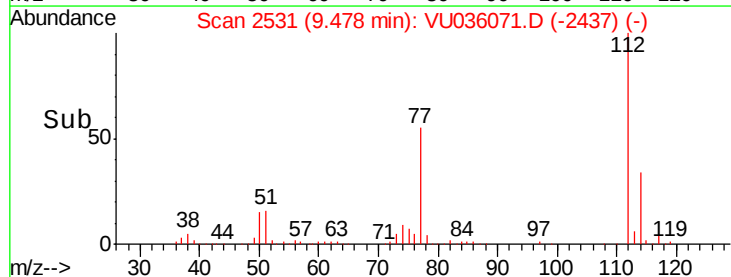
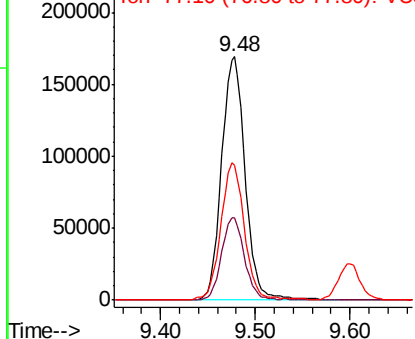


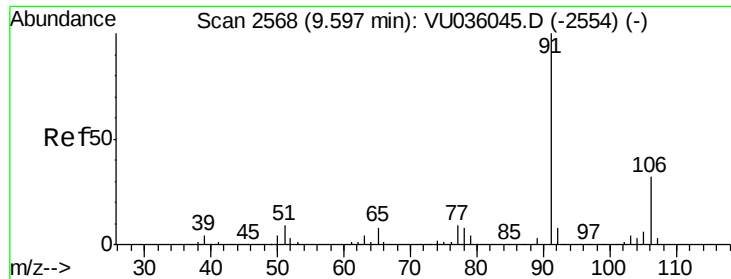
#51
Chlorobenzene
Concen: 4.984 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU036071.D
Acq: 10 Dec 2019 01:28

Tgt Ion:112 Resp: 292795
Ion Ratio Lower Upper
112 100
114 33.9 22.3 41.5
77 55.4 43.8 65.8



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: 5.019 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU036071.D

Acq: 10 Dec 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

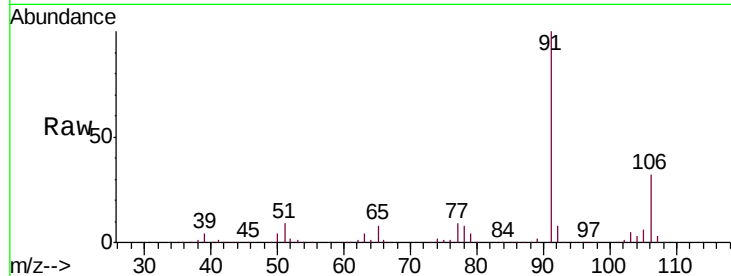
VSTD00527

Tgt Ion: 91 Resp: 443198

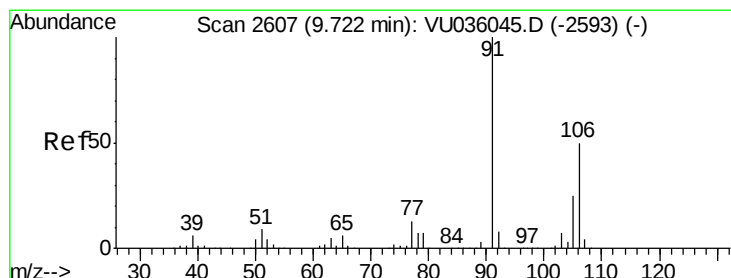
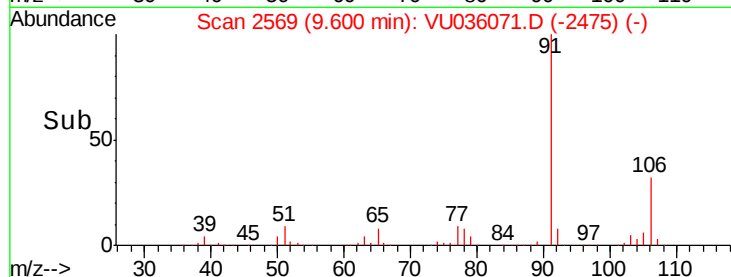
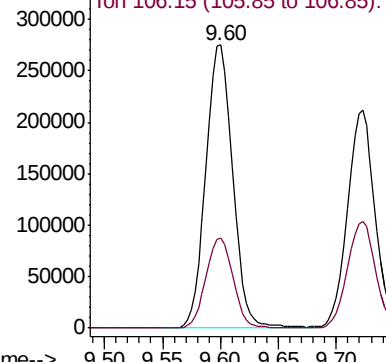
Ion Ratio Lower Upper

91 100

106 31.9 22.0 41.0



Abundance Ion 91.15 (90.85 to 91.85): VU036045.D (-2554) (-)



#53

m,p-Xylene

Concen: 5.092 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU036071.D

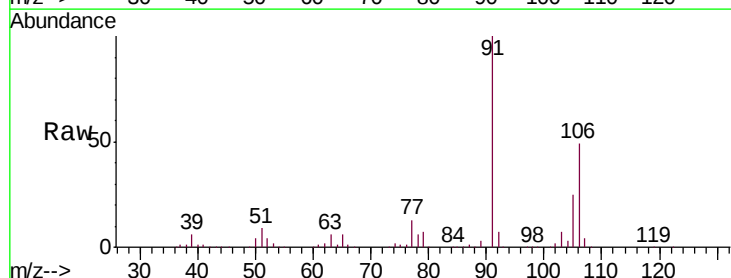
Acq: 10 Dec 2019 01:28

Tgt Ion: 106 Resp: 179040

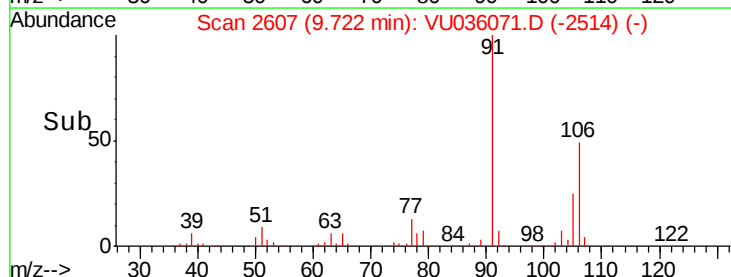
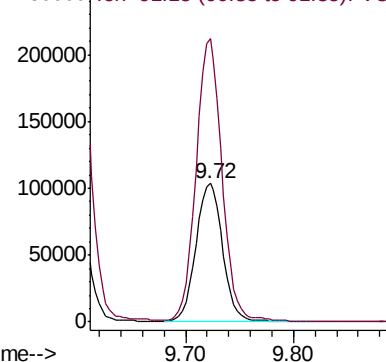
Ion Ratio Lower Upper

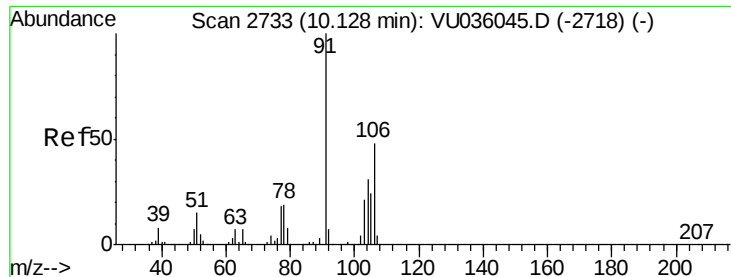
106 100

91 204.7 136.9 254.3



Abundance Ion 106.15 (105.85 to 106.85): VU036045.D (-2593) (-)

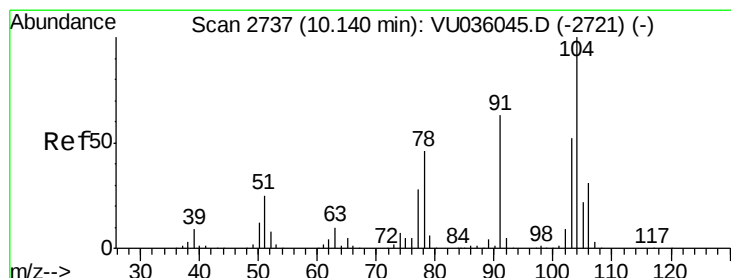
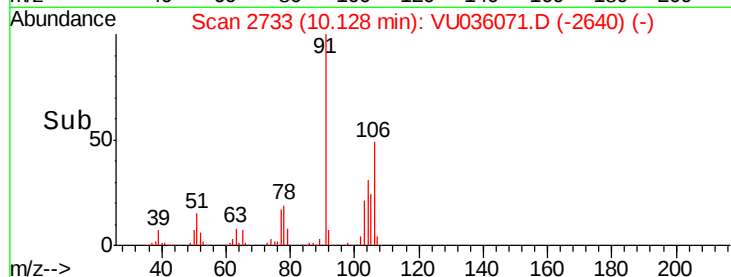
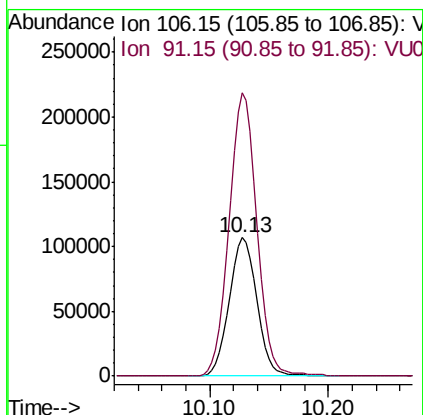
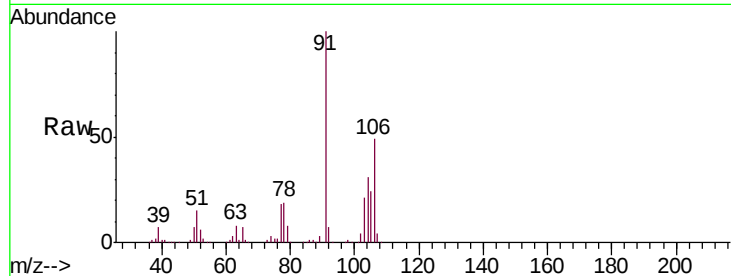




#54
o-Xylene
Concen: 5.221 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU036071.D
Acq: 10 Dec 2019 01:28

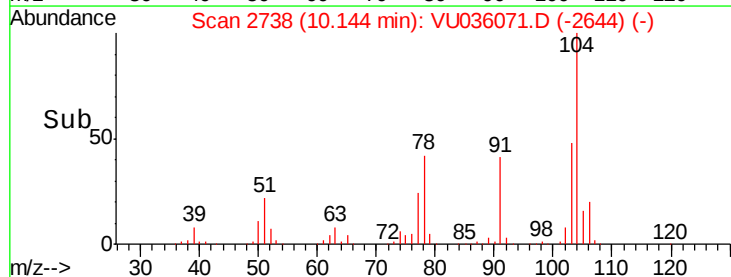
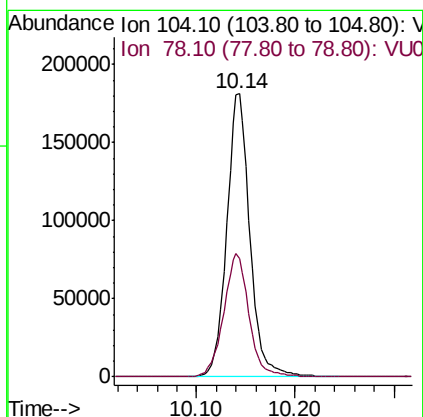
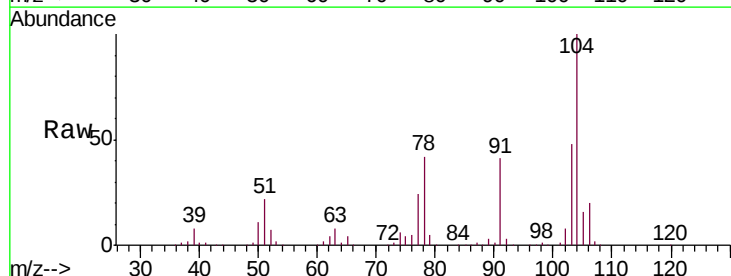
Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

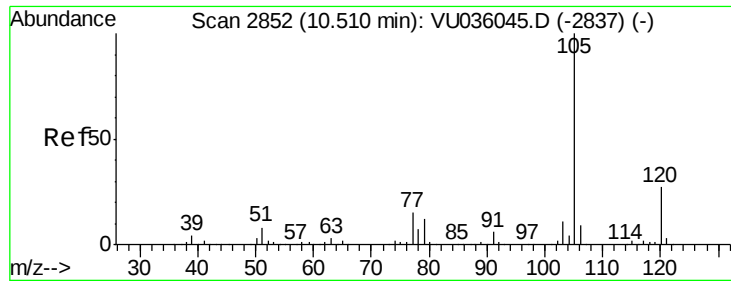
Tgt Ion:106 Resp: 172389
Ion Ratio Lower Upper
106 100
91 204.4 140.6 261.2



#55
Styrene
Concen: 5.270 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU036071.D
Acq: 10 Dec 2019 01:28

Tgt Ion:104 Resp: 298416
Ion Ratio Lower Upper
104 100
78 41.8 30.5 56.7





#56

Isopropylbenzene

Concen: 5.014 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU036071.D

Acq: 10 Dec 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

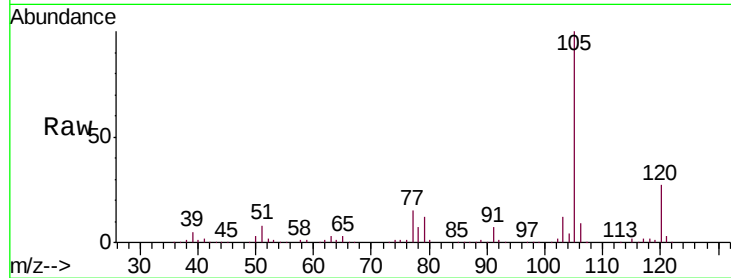
Tgt Ion: 105 Resp: 436830

Ion Ratio Lower Upper

105 100

120 27.6 21.4 32.2

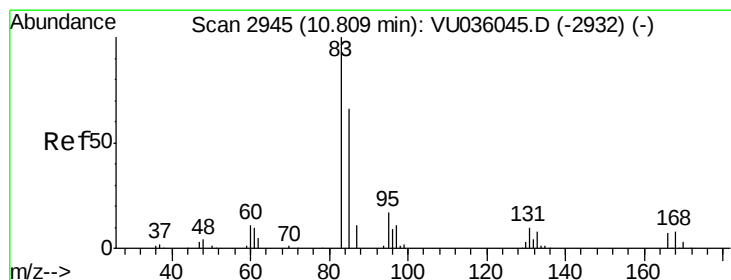
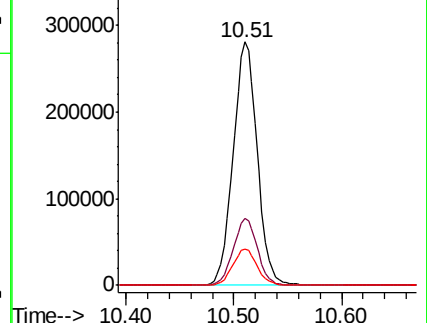
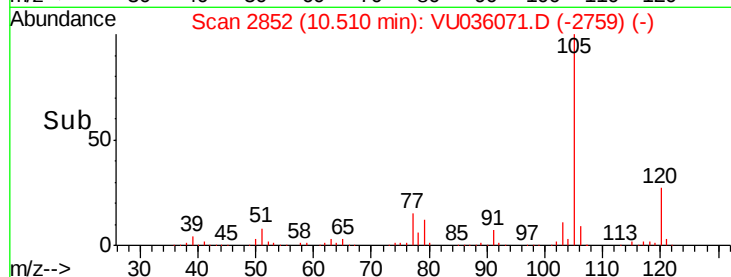
77 15.1 12.3 18.5



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: 5.059 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VU036071.D

Acq: 10 Dec 2019 01:28

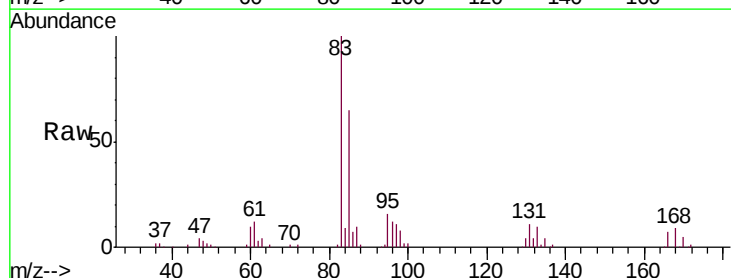
Tgt Ion: 83 Resp: 103808

Ion Ratio Lower Upper

83 100

85 64.6 45.4 84.2

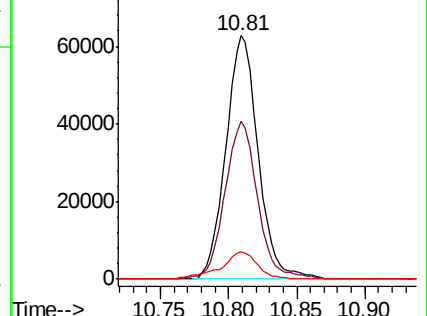
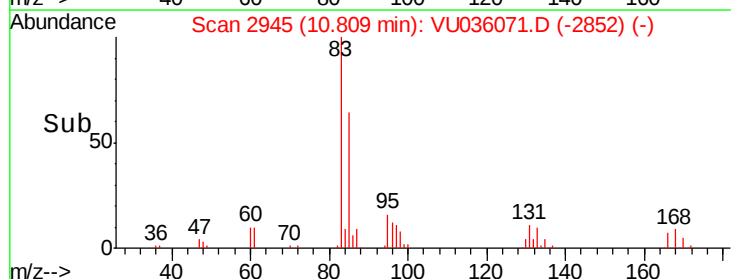
131 11.3 9.0 13.4

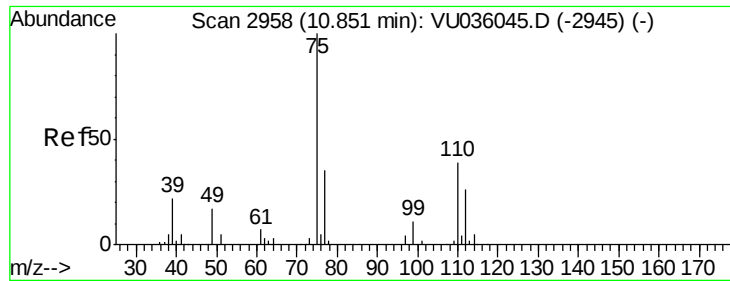


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

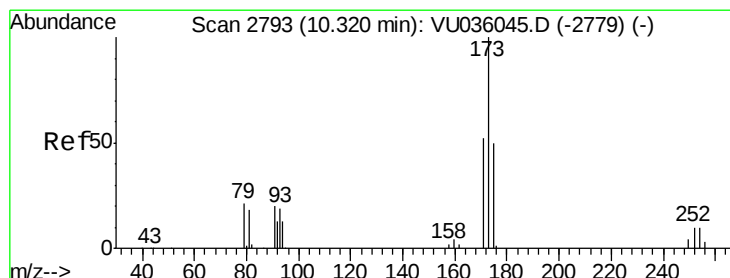
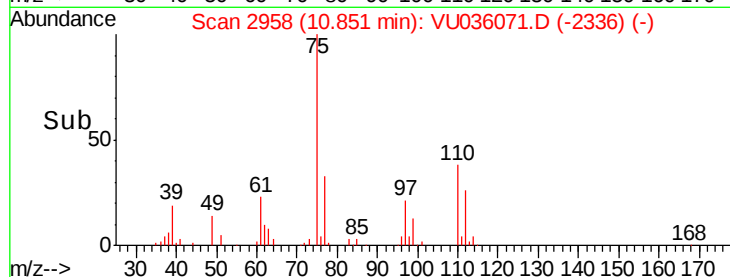
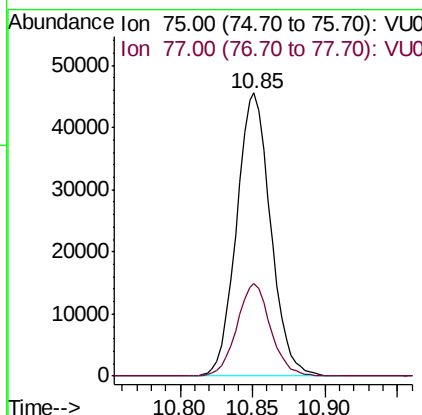
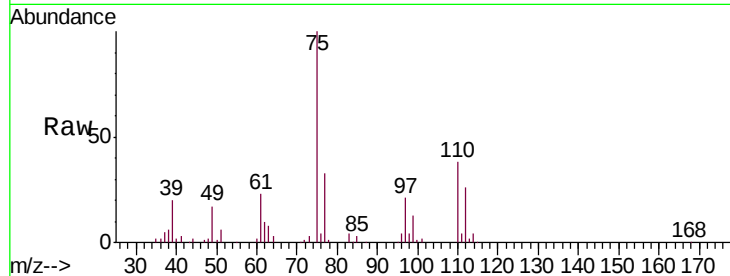




#59
 1,2,3-Trichloropropane
 Concen: 5.257 ug/L
 RT: 10.85 min Scan# 2958
 Delta R.T. -0.00 min
 Lab File: VU036071.D
 Acq: 10 Dec 2019 01:28

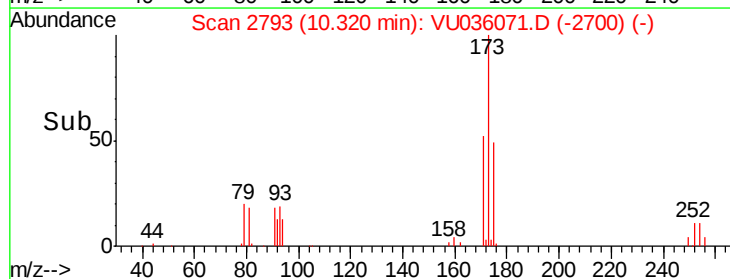
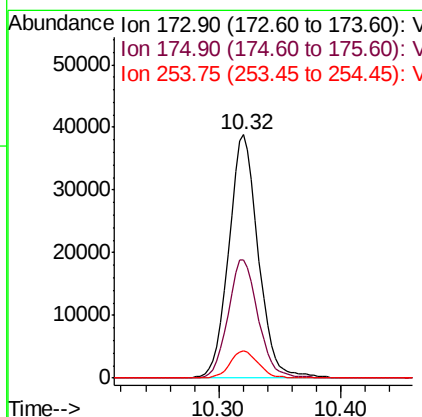
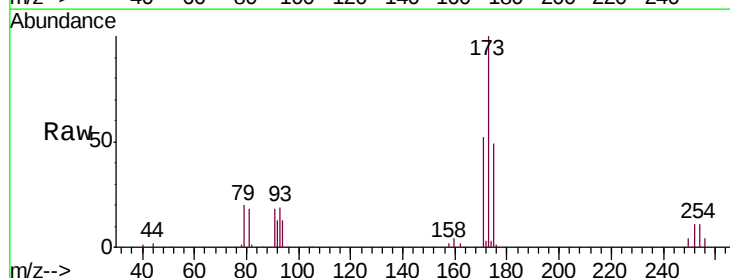
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

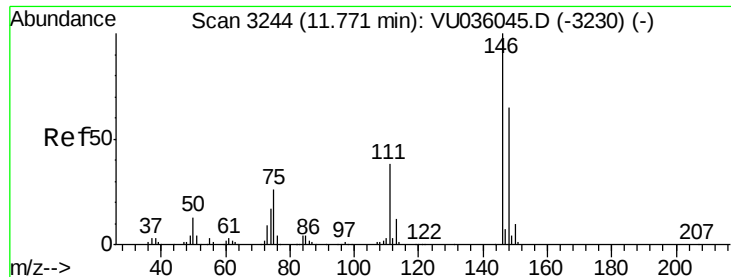
Tgt Ion: 75 Resp: 74090
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.7 40.1



#61
 Bromoform
 Concen: 4.393 ug/L
 RT: 10.32 min Scan# 2793
 Delta R.T. -0.00 min
 Lab File: VU036071.D
 Acq: 10 Dec 2019 01:28

Tgt Ion: 173 Resp: 65583
 Ion Ratio Lower Upper
 173 100
 175 49.4 39.4 59.0
 254 10.7 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 5.078 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. -0.00 min

Lab File: VU036071.D

Acq: 10 Dec 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

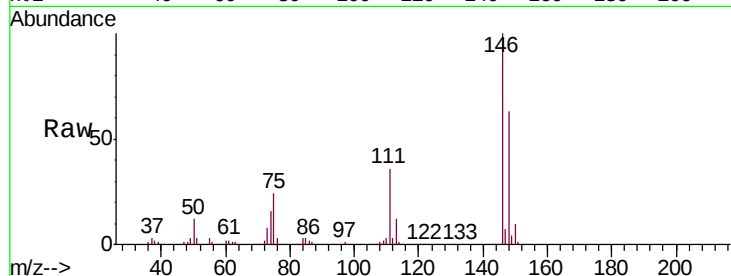
Tgt Ion:146 Resp: 249188

Ion Ratio Lower Upper

146 100

111 36.3 26.0 48.2

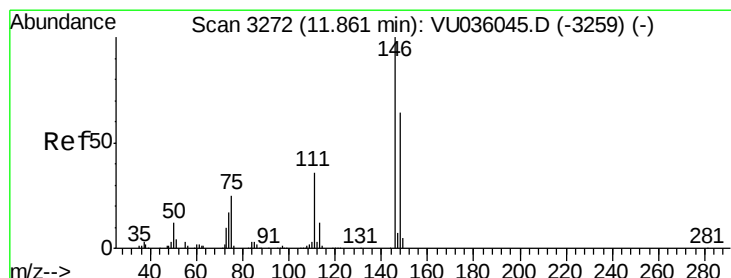
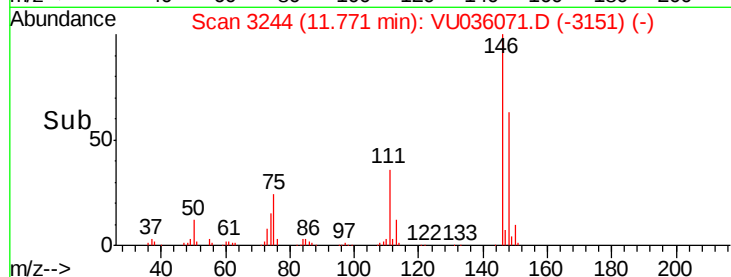
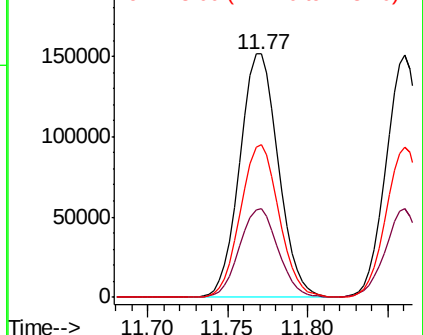
148 62.8 43.7 81.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.012 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VU036071.D

Acq: 10 Dec 2019 01:28

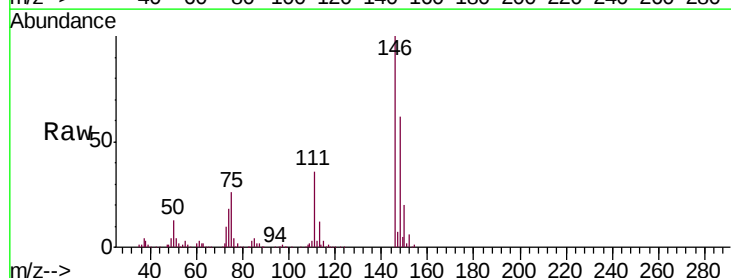
Tgt Ion:146 Resp: 242301

Ion Ratio Lower Upper

146 100

111 36.4 26.2 48.6

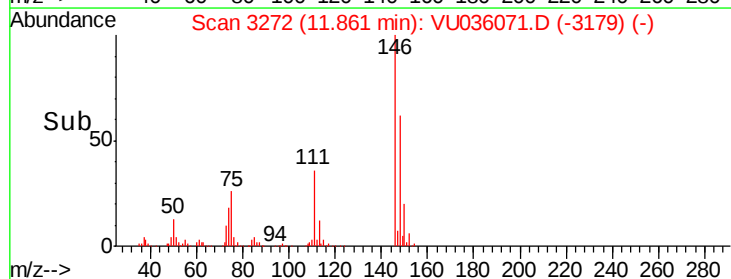
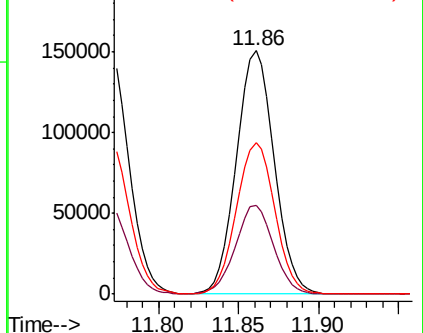
148 62.1 44.9 83.5

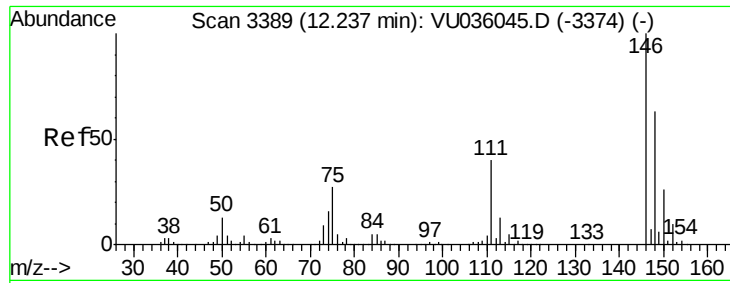


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

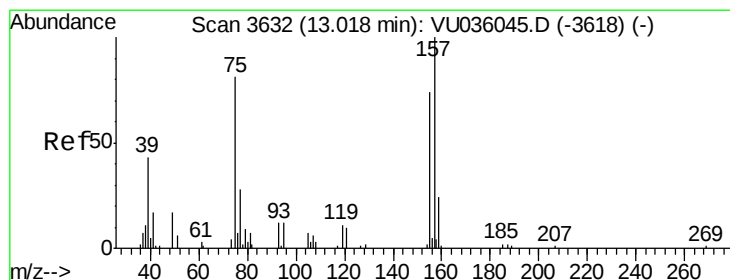
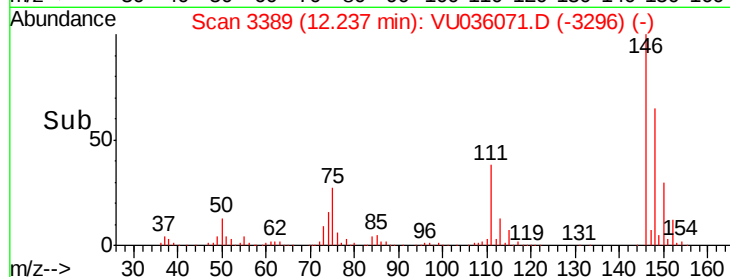
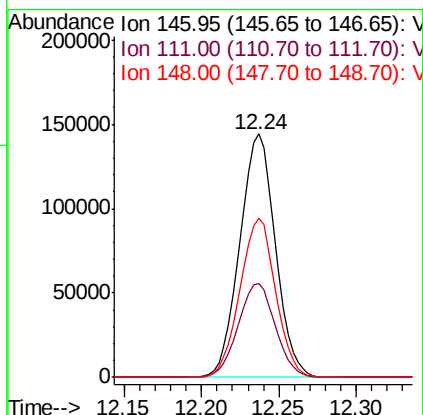
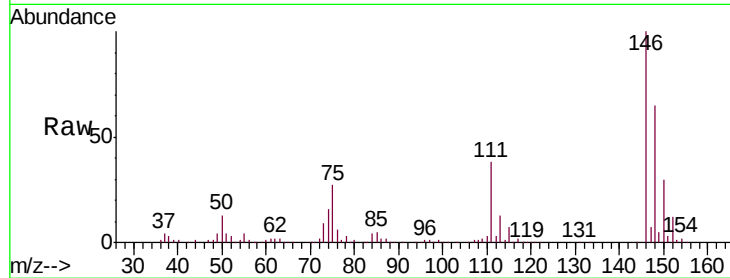




#65
 1,2-Dichlorobenzene
 Concen: 4.766 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU036071.D
 Acq: 10 Dec 2019 01:28

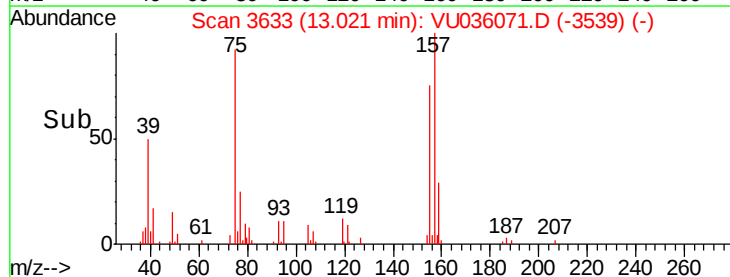
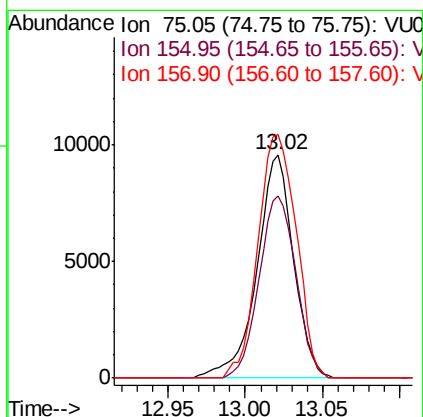
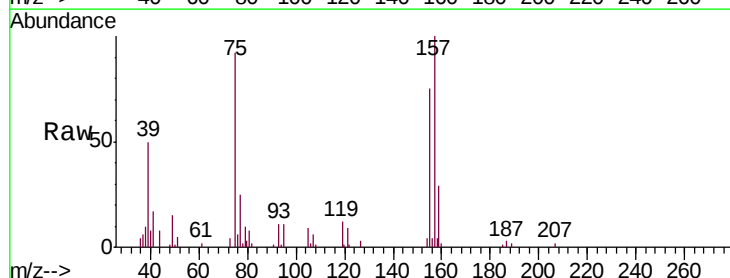
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

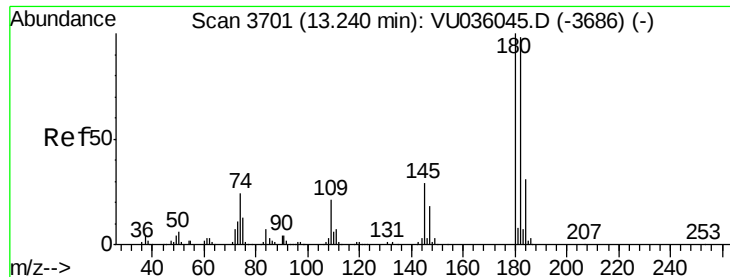
Tgt Ion: 146 Resp: 231101
 Ion Ratio Lower Upper
 146 100
 111 38.3 31.3 46.9
 148 65.5 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.176 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU036071.D
 Acq: 10 Dec 2019 01:28

Tgt Ion: 75 Resp: 15767
 Ion Ratio Lower Upper
 75 100
 155 81.8 70.0 105.0
 157 109.1 90.5 135.7

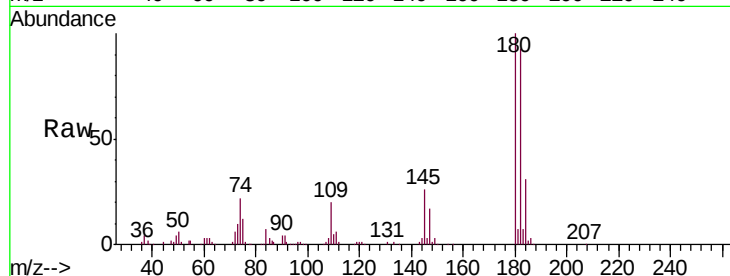




#67
 1,3,5-Trichlorobenzene
 Concen: 5.175 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU036071.D
 Acq: 10 Dec 2019 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.2	112.8
184	30.4	24.2	36.2
145	27.4	21.7	32.5



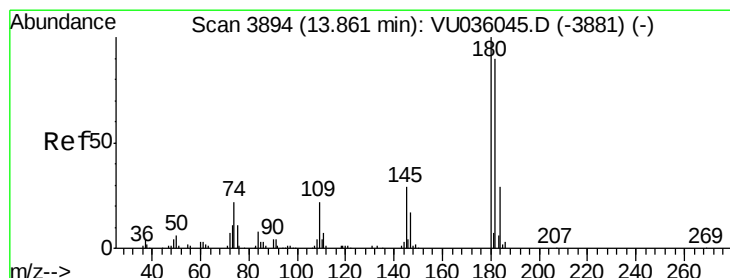
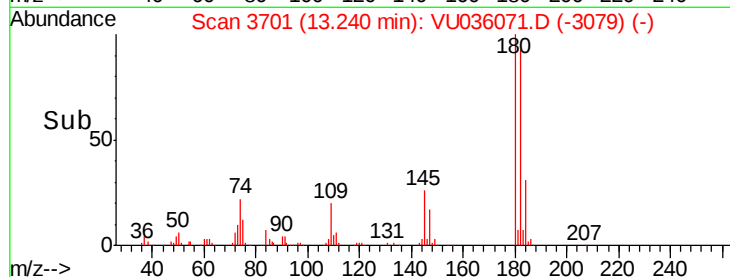
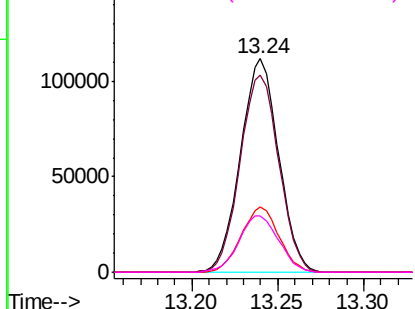
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

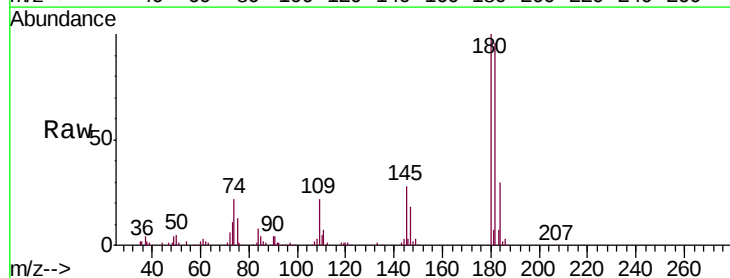
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.616 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU036071.D
 Acq: 10 Dec 2019 01:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	74.3	111.5
145	27.3	22.1	33.1

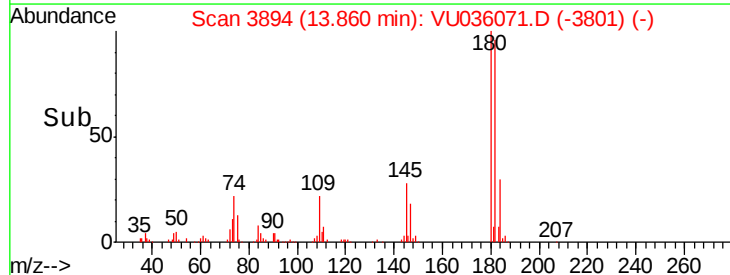
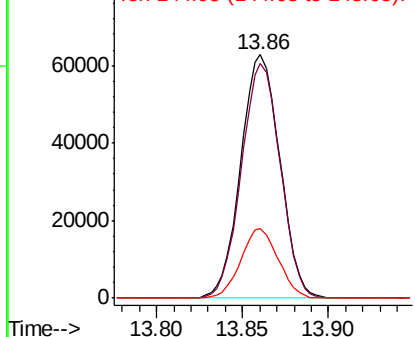


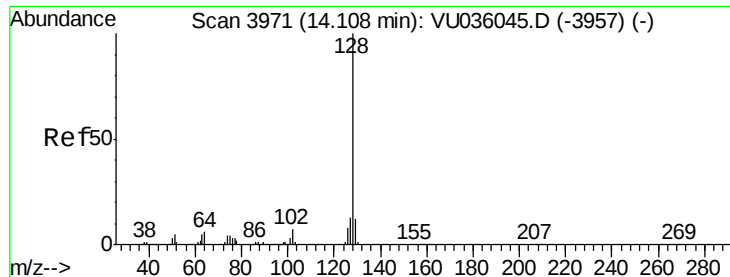
Abundance

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: 5.462 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. -0.00 min

Lab File: VU036071.D

Acq: 10 Dec 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

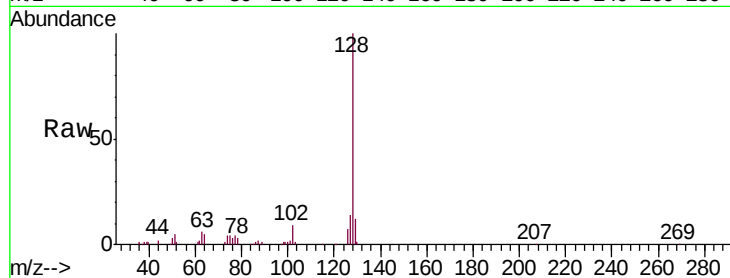
Tgt Ion:128 Resp: 92801

Ion Ratio Lower Upper

128 100

129 11.5 9.2 13.8

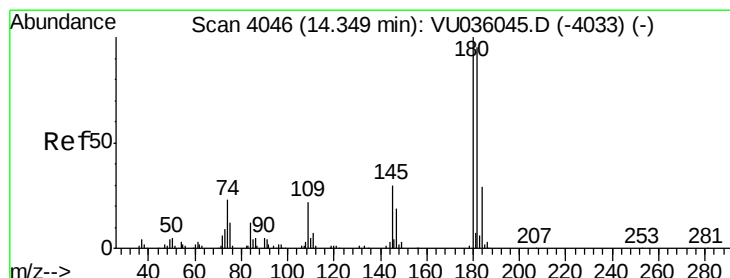
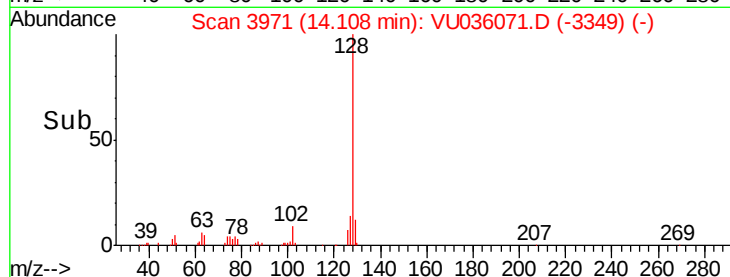
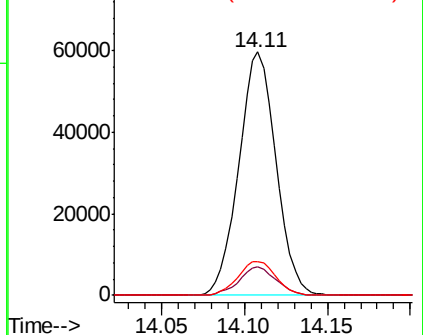
127 14.3 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.788 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. -0.00 min

Lab File: VU036071.D

Acq: 10 Dec 2019 01:28

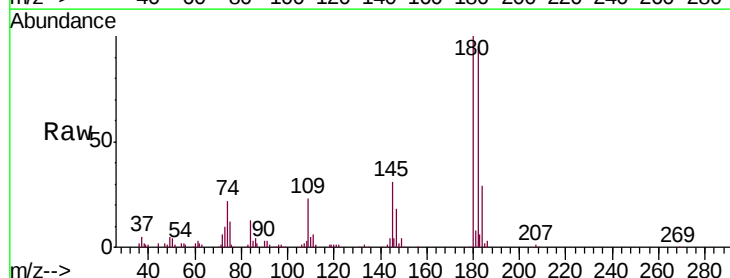
Tgt Ion:180 Resp: 97985

Ion Ratio Lower Upper

180 100

182 96.2 76.9 115.3

145 30.3 23.5 35.3



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

