

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091819\
 Data File : VU034618.D
 Acq On : 17 Sep 2019 16:24
 Operator : JC/SP
 Sample : VSTD0.503
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Quant Time: Sep 17 18:04:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091819WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 17 17:59:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	145712	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	140524	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	64292	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	5843	0.56	ug/L	0.00
7) Chloroethane-d5	1.67	69	5088	0.64	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	10388	0.61	ug/L	0.00
20) 2-Butanone-d5	4.20	46	4566	1.41	ug/L	0.03
24) Chloroform-d	4.62	84	9198	0.49	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	5188	0.50	ug/L	0.00
32) Benzene-d6	5.32	84	18589	0.49	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	6680	0.51	ug/L	0.00
41) Toluene-d8	7.55	98	17507	0.49	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	2472	0.44	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	10500	3.89	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	5115	0.46	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	6145	0.54	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	5193	0.639 ug/L	100
3) Chloromethane	1.32	50	4996	0.497 ug/L	99
5) Vinyl chloride	1.40	62	5479	0.585 ug/L	96
6) Bromomethane	1.62	94	2962	0.620 ug/L	73
8) Chloroethane	1.69	64	3196	0.584 ug/L	96
9) Trichlorofluoromethane	1.88	101	6944	0.608 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	3868	0.621 ug/L	96
12) 1,1-Dichloroethene	2.27	96	3736	0.605 ug/L	92
13) Acetone	2.34	43	7822	3.656 ug/L	70
14) Carbon disulfide	2.46	76	9256	0.582 ug/L	97
15) Methyl Acetate	2.62	43	3200	0.576 ug/L	94
16) Methylene chloride	2.69	84	5959	0.693 ug/L	96
17) Methyl tert-butyl Ether	2.99	73	12007	0.498 ug/L	94
18) trans-1,2-Dichloroethene	2.96	96	3941	0.576 ug/L	94
19) 1,1-Dichloroethane	3.42	63	9121	0.519 ug/L	93
21) 2-Butanone	4.28	43	12415	3.690 ug/L	88
22) cis-1,2-Dichloroethene	4.21	96	4924	0.483 ug/L	76
23) Bromochloromethane	4.53	128	1707	0.409 ug/L	71
25) Chloroform	4.65	83	11162	0.583 ug/L	94
27) 1,2-Dichloroethane	5.39	62	5416	0.486 ug/L	98
29) 1,1,1-Trichloroethane	4.89	97	6866	0.487 ug/L	95
30) Cyclohexane	4.96	56	7430	0.619 ug/L	# 89
31) Carbon tetrachloride	5.11	117	5268	0.474 ug/L	93
33) Benzene	5.37	78	17847	0.474 ug/L	100
34) Trichloroethene	6.17	95	4332	0.460 ug/L	94
35) Methylcyclohexane	6.39	83	7524	0.612 ug/L	92
37) 1,2-Dichloropropane	6.41	63	5636	0.507 ug/L	# 92
38) Bromodichloromethane	6.74	83	6487	0.467 ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	7619	0.461 ug/L	97
40) 4-Methyl-2-pentanone	7.45	43	40162	4.433 ug/L	99

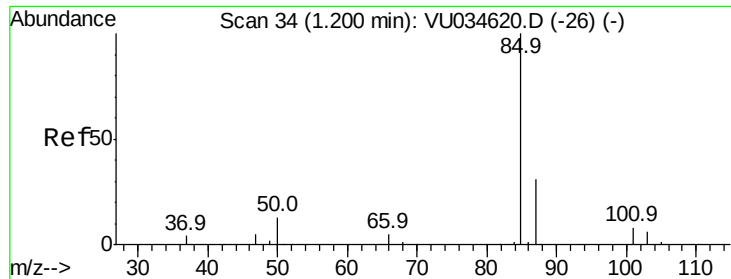
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091819\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	19177	0.480	ug/L	97
44) trans-1,3-Dichloropropene	7.86	75	6202	0.452	ug/L	95
45) 1,1,2-Trichloroethane	8.05	97	3445	0.441	ug/L	92
47) Tetrachloroethene	8.21	164	2636	0.459	ug/L	90
48) 2-Hexanone	8.35	43	25655	4.188	ug/L	96
49) Dibromochloromethane	8.46	129	4173	0.444	ug/L	99
50) 1,2-Dibromoethane	8.57	107	3175	0.432	ug/L #	87
51) Chlorobenzene	9.10	112	12345	0.478	ug/L	90
52) Ethylbenzene	9.23	91	22129	0.487	ug/L	99
53) m,p-Xylene	9.36	106	8005	0.483	ug/L	87
54) o-Xylene	9.76	106	7616	0.449	ug/L	86
55) Styrene	9.77	104	12446	0.432	ug/L	97
56) Isopropylbenzene	10.15	105	22481	0.509	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	5040	0.438	ug/L	96
59) 1,2,3-Trichloropropane	10.48	75	3778	0.481	ug/L	94
61) Bromoform	9.95	173	1909	0.389	ug/L #	91
62) 1,3-Dichlorobenzene	11.40	146	8587	0.447	ug/L	95
63) 1,4-Dichlorobenzene	11.49	146	8805	0.459	ug/L	94
65) 1,2-Dichlorobenzene	11.86	146	8563	0.467	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	683	0.373	ug/L	93
67) 1,3,5-Trichlorobenzene	12.87	180	5351	0.415	ug/L	97
68) 1,2,4-trichlorobenzene	13.49	180	4076	0.395	ug/L	90
69) Naphthalene	13.73	128	8554	0.374	ug/L #	93
70) 1,2,3-Trichlorobenzene	13.97	180	3645	0.368	ug/L #	95

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



#2

Dichlorodifluoromethane

Concen: 0.639 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034618.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

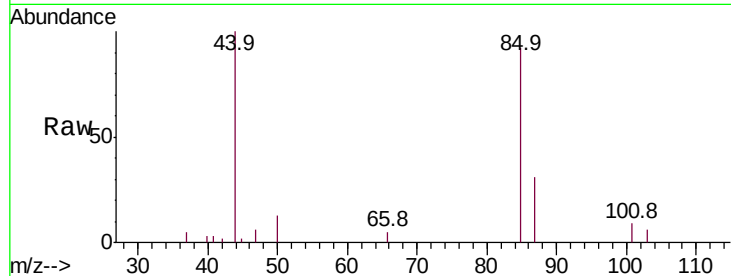
VSTD0.503

Tot Ion: 85 Resp: 5193

Ion Ratio Lower Upper

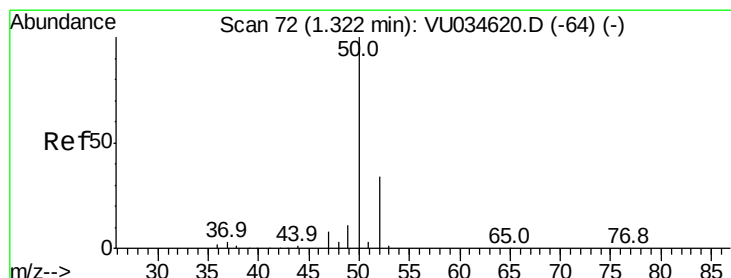
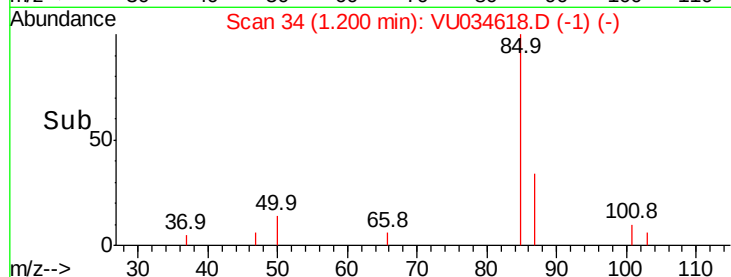
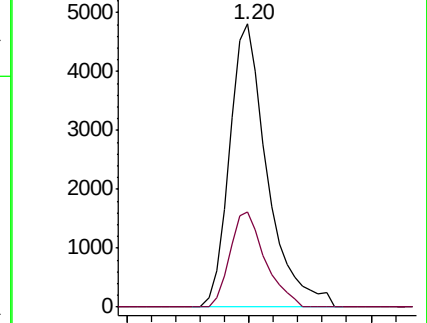
85 100

87 31.4 25.0 37.4



Abundance Ion 85.00 (84.70 to 85.70): VU034618.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU034618.D (-1) (-)



#3

Chloromethane

Concen: 0.497 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034618.D

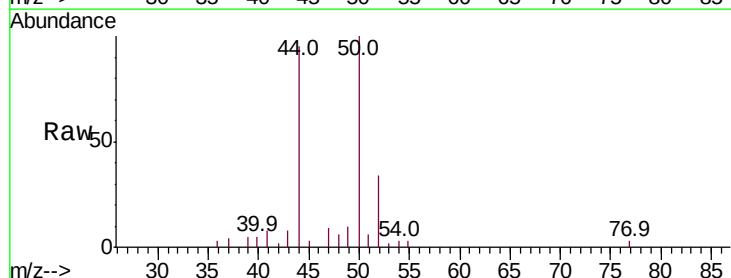
Acq: 17 Sep 2019 16:24

Tgt Ion: 50 Resp: 4996

Ion Ratio Lower Upper

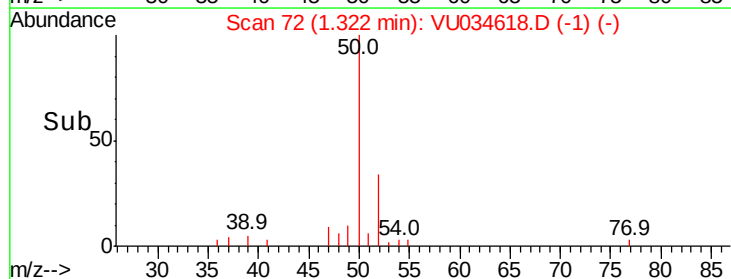
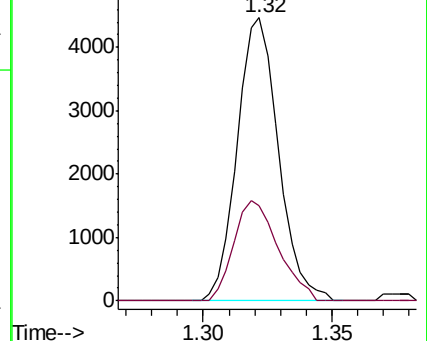
50 100

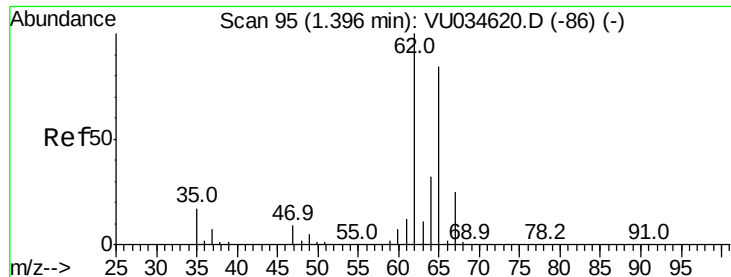
52 33.8 23.9 44.3



Abundance Ion 50.05 (49.75 to 50.75): VU034618.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU034618.D (-1) (-)





#5

Vinyl chloride

Concen: 0.585 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034618.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_U

ClientSampled :

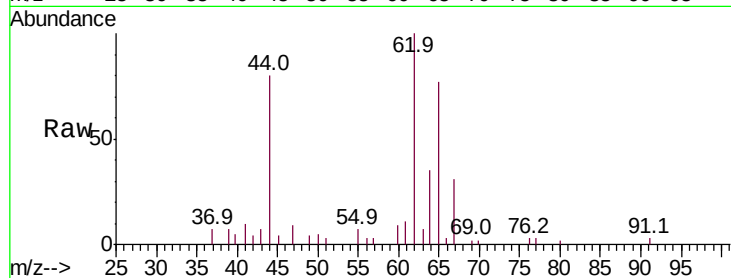
VSTD0.503

Tot Ion: 62 Resp: 5479

Ion Ratio Lower Upper

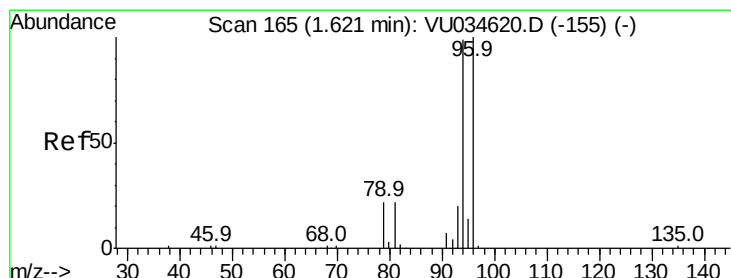
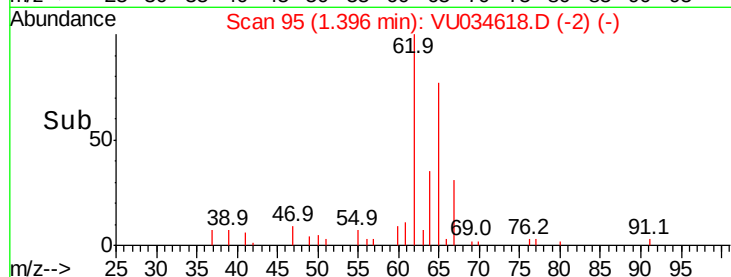
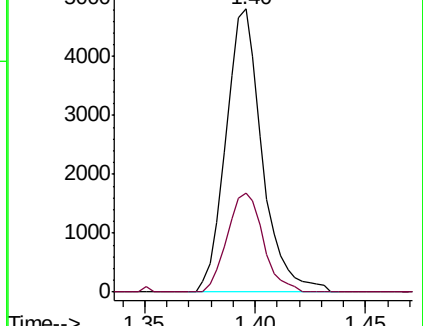
62 100

64 34.9 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU034618.D (-86) (-)

Ion 64.10 (63.80 to 64.80): VU034618.D (-86) (-)



#6

Bromomethane

Concen: 0.620 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU034618.D

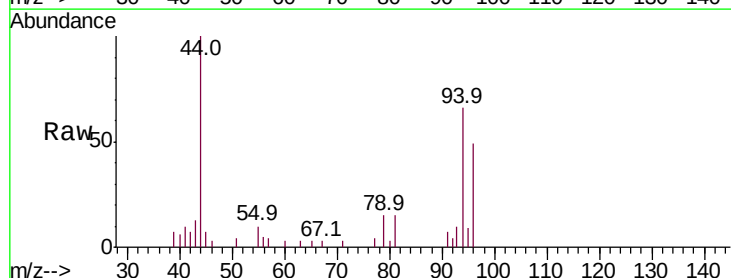
Acq: 17 Sep 2019 16:24

Tgt Ion: 94 Resp: 2962

Ion Ratio Lower Upper

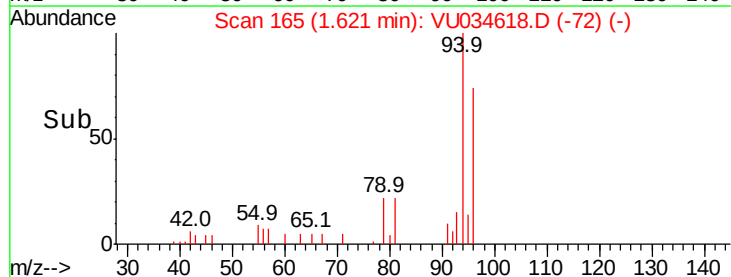
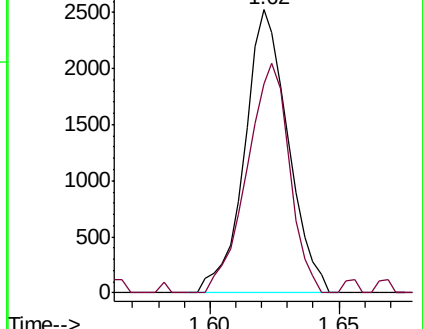
94 100

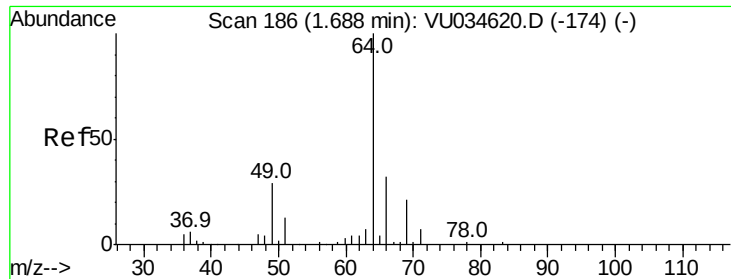
96 73.9 70.4 130.8



Abundance Ion 94.00 (93.70 to 94.70): VU034618.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU034618.D (-155) (-)





#8

Chloroethane

Concen: 0.584 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034618.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

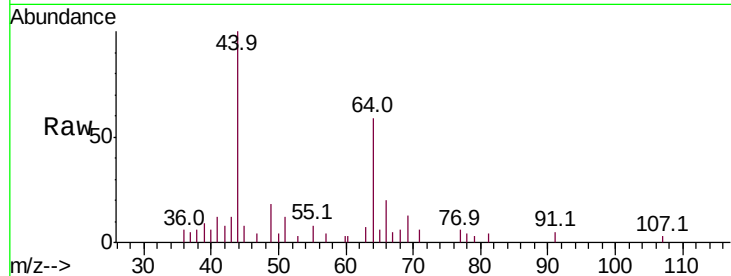
VSTD0.503

Tot Ion: 64 Resp: 3196

Ion Ratio Lower Upper

64 100

66 34.4 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VU034618.D (-93) (-)

Ion 66.05 (65.75 to 66.75): VU034618.D (-93) (-)

1.69

2500

2000

1500

1000

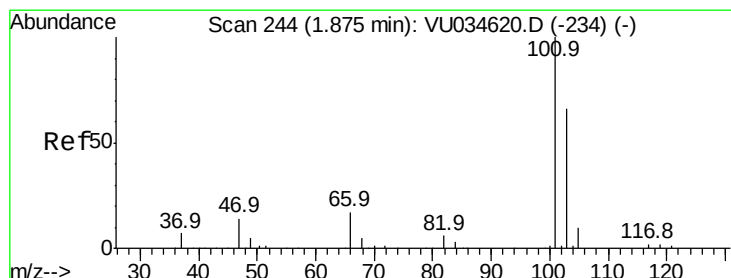
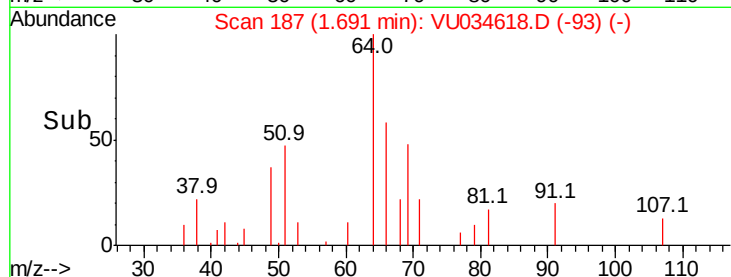
500

0

1.65

1.70

Time-->



#9

Trichlorofluoromethane

Concen: 0.608 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU034618.D

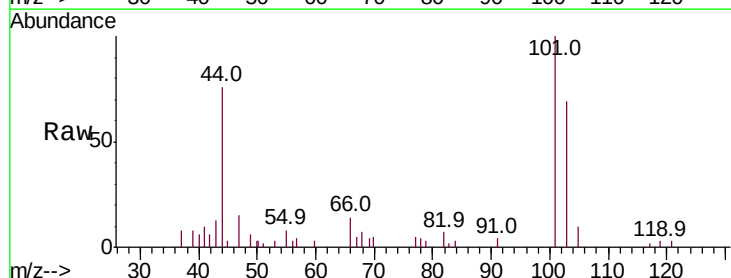
Acq: 17 Sep 2019 16:24

Tgt Ion:101 Resp: 6944

Ion Ratio Lower Upper

101 100

103 66.9 53.2 79.8



Abundance Ion 101.00 (100.70 to 101.70): VU034618.D (-151) (-)

Ion 103.00 (102.70 to 103.70): VU034618.D (-151) (-)

1.88

5000

4000

3000

2000

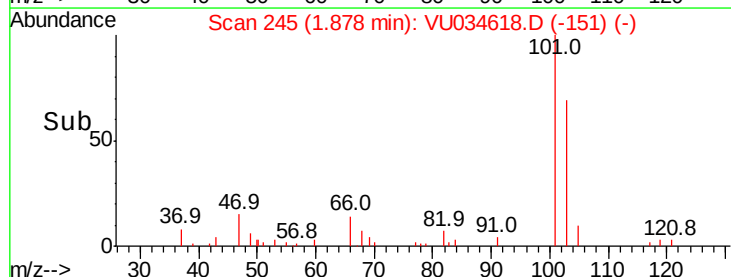
1000

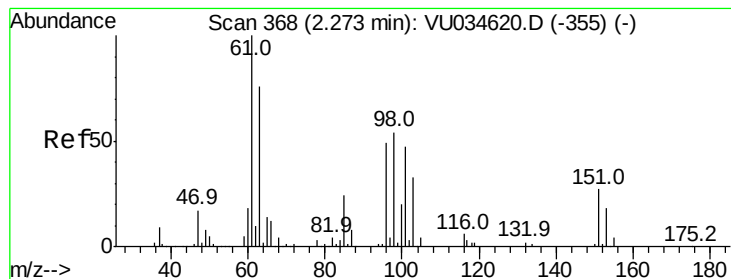
0

1.85

1.90

Time-->





#10

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

Concen: 0.621 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034618.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_U

ClientSampled :

VSTD0.503

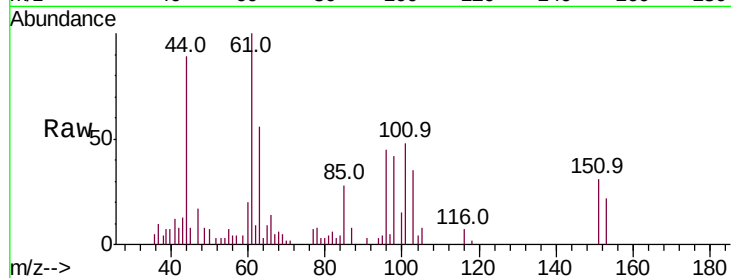
Tot Ion:101 Resp: 3868

Ion Ratio Lower Upper

101 100

85 57.4 41.9 62.9

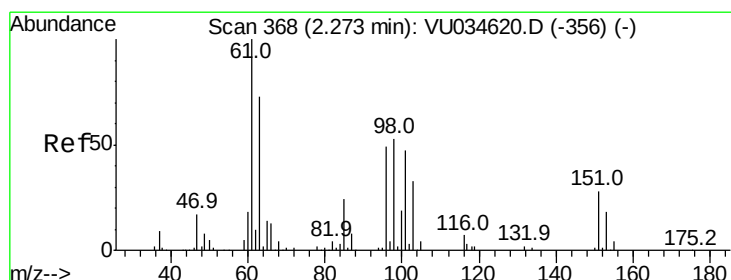
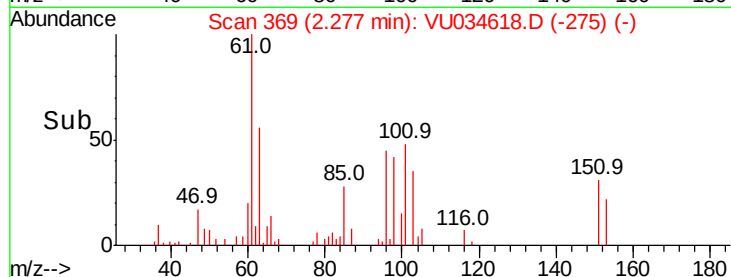
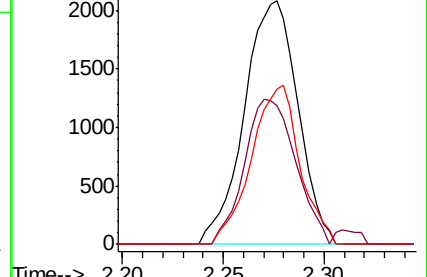
151 58.9 46.4 69.6



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: 0.605 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034618.D

Acq: 17 Sep 2019 16:24

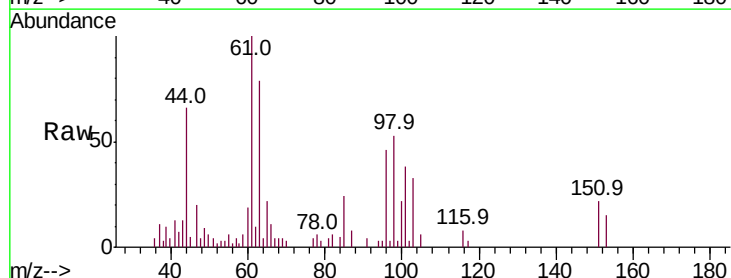
Tgt Ion: 96 Resp: 3736

Ion Ratio Lower Upper

96 100

61 216.8 144.4 268.2

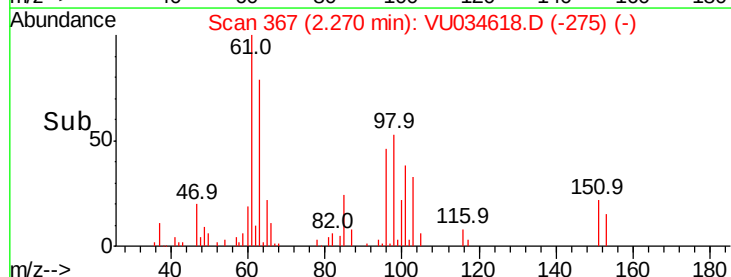
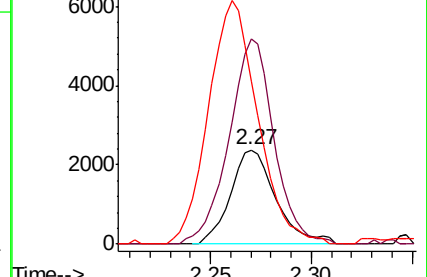
63 172.0 111.5 207.1

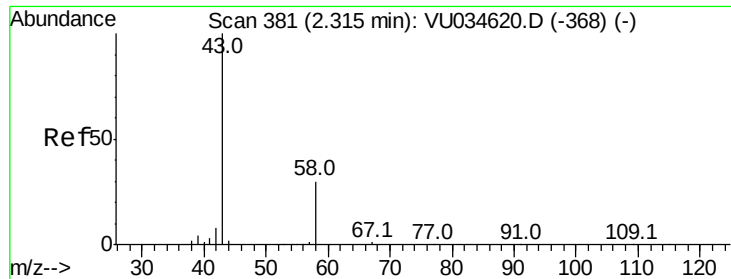


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.656 ug/L

RT: 2.34 min Scan# 390

Delta R.T. 0.03 min

Lab File: VU034618.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

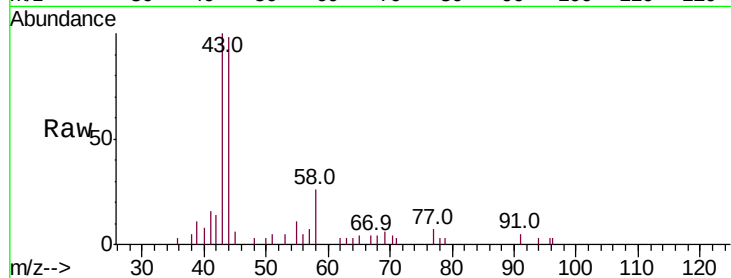
VSTD0.503

Tot Ion: 43 Resp: 7822

Ion Ratio Lower Upper

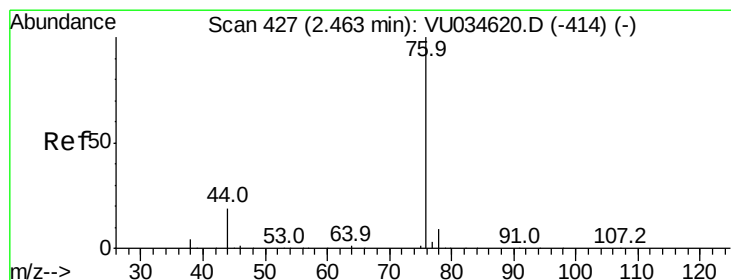
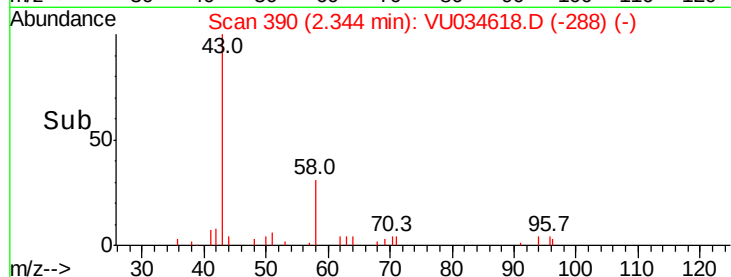
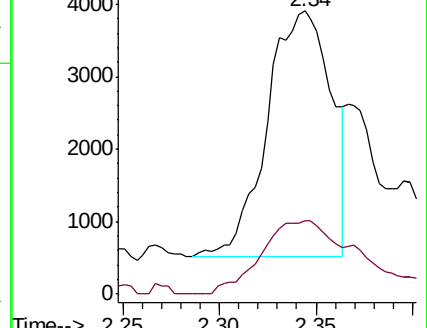
43 100

58 45.0 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VU034618.D (-288) (-)

Ion 58.05 (57.75 to 58.75): VU034618.D (-288) (-)



#14

Carbon disulfide

Concen: 0.582 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU034618.D

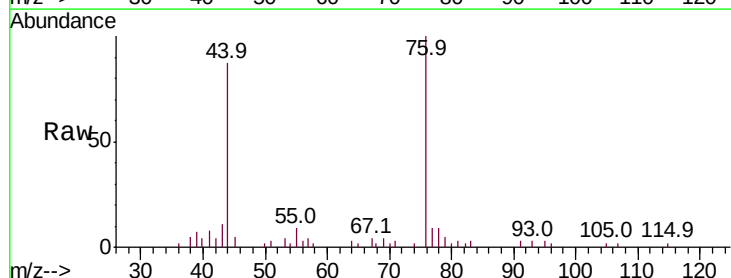
Acq: 17 Sep 2019 16:24

Tgt Ion: 76 Resp: 9256

Ion Ratio Lower Upper

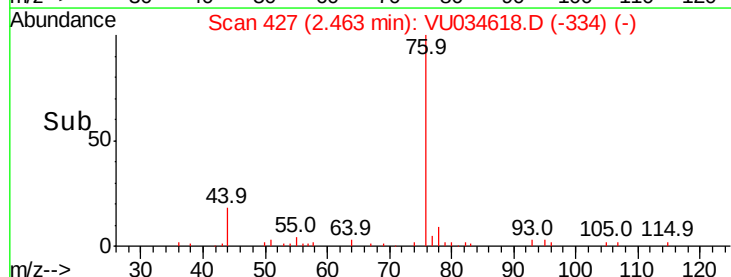
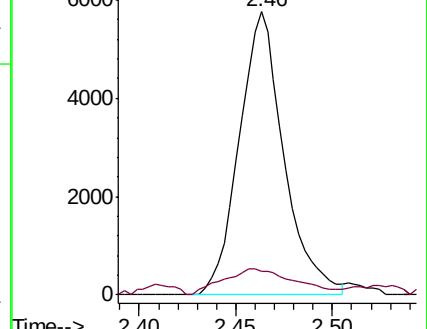
76 100

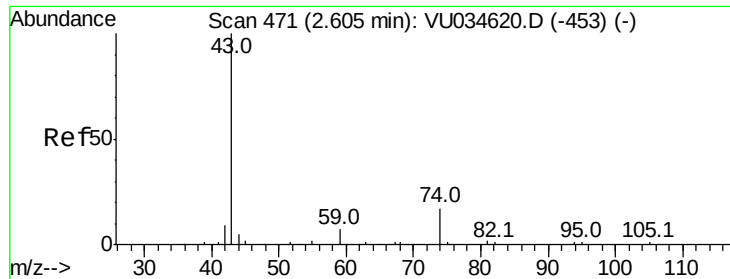
78 8.5 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU034618.D (-334) (-)

Ion 78.00 (77.70 to 78.70): VU034618.D (-334) (-)

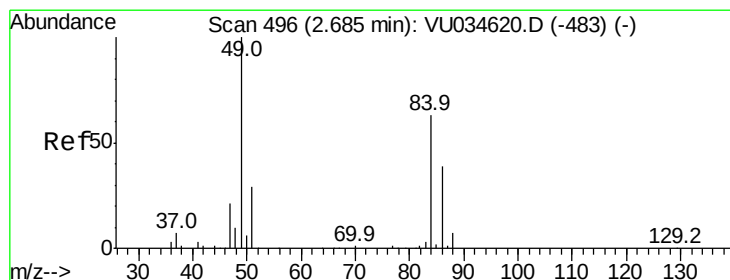
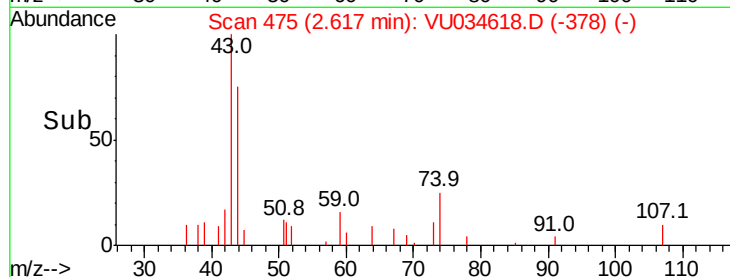
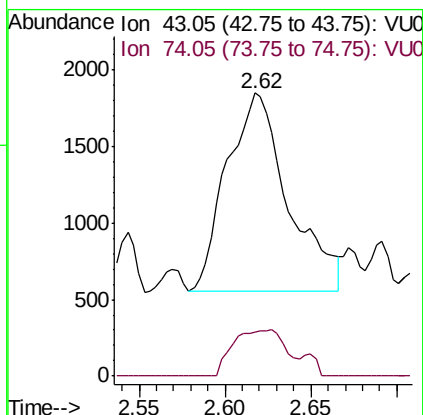
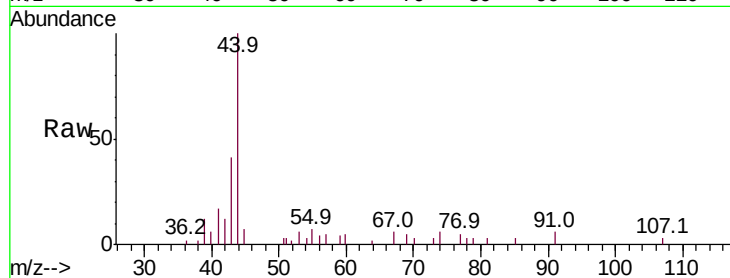




#15
Methyl Acetate
Concen: 0.576 ug/L
RT: 2.62 min Scan# 475
Delta R.T. 0.01 min
Lab File: VU034618.D
Acq: 17 Sep 2019 16:24

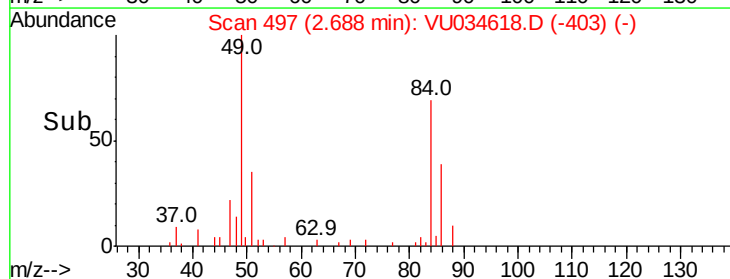
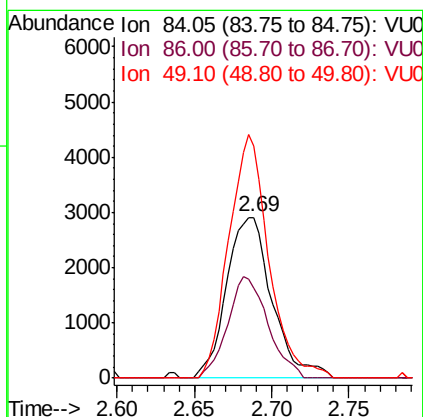
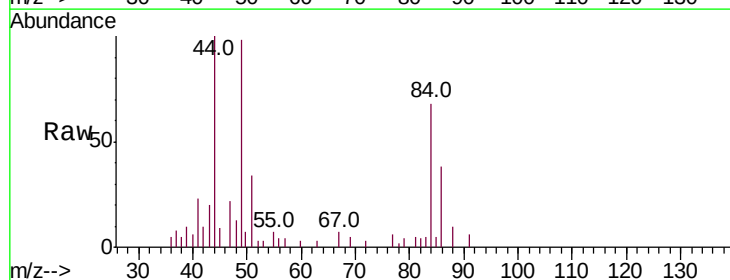
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

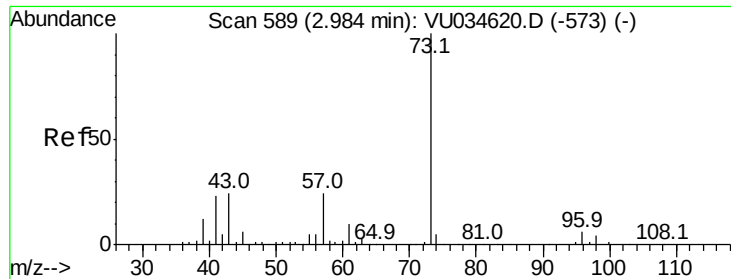
Tot Ion: 43 Resp: 3200
Ion Ratio Lower Upper
43 100
74 20.2 14.2 21.2



#16
Methylene chloride
Concen: 0.693 ug/L
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034618.D
Acq: 17 Sep 2019 16:24

Tgt Ion: 84 Resp: 5959
Ion Ratio Lower Upper
84 100
86 56.0 43.0 80.0
49 154.9 110.9 205.9

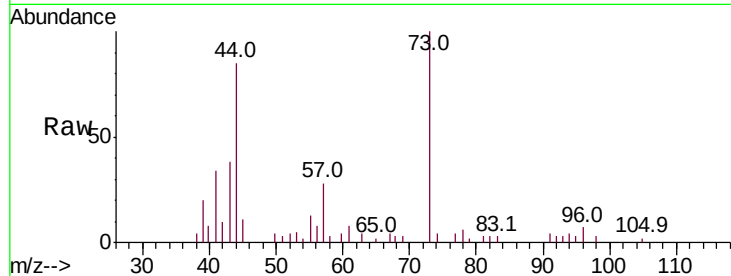




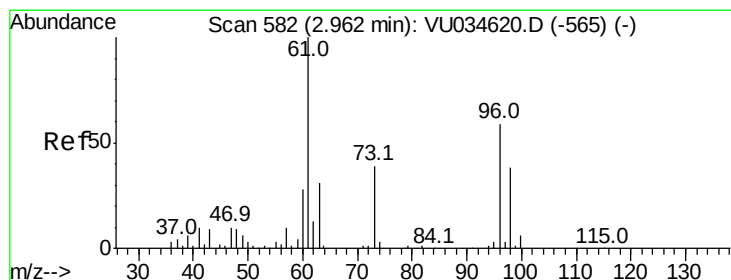
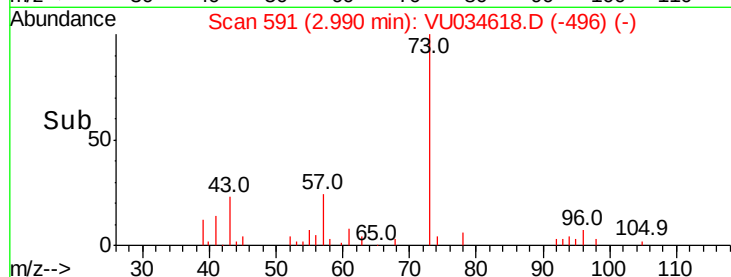
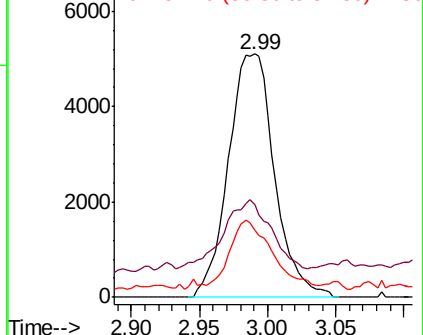
#17
Methyl tert-butyl Ether
Concen: 0.498 ug/L
RT: 2.99 min Scan# 591
Delta R.T. 0.01 min
Lab File: VU034618.D
Acq: 17 Sep 2019 16:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

Tot Ion: 73 Resp: 12007
Ion Ratio Lower Upper
73 100
43 29.3 20.3 30.5
57 25.3 18.9 28.3

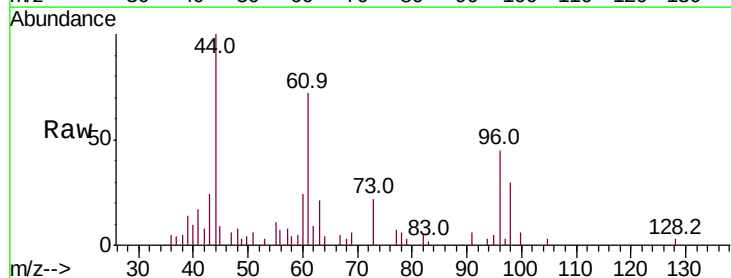


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

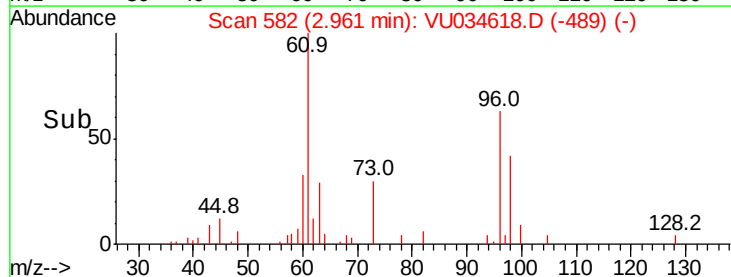
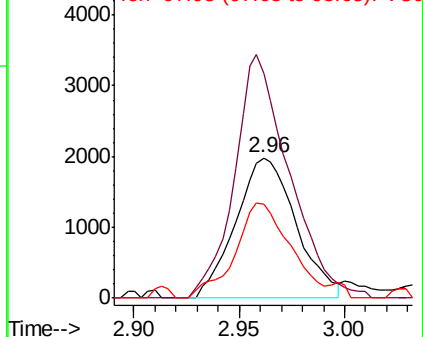


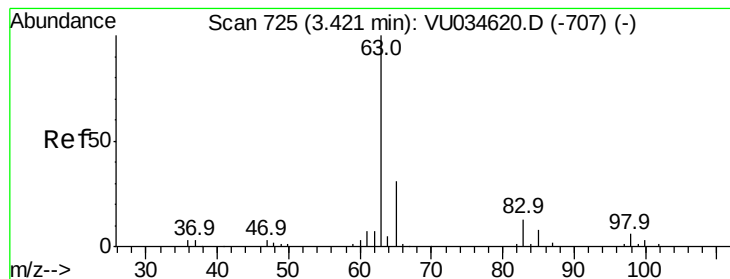
#18
trans-1,2-Dichloroethene
Concen: 0.576 ug/L
RT: 2.96 min Scan# 582
Delta R.T. -0.00 min
Lab File: VU034618.D
Acq: 17 Sep 2019 16:24

Tgt Ion: 96 Resp: 3941
Ion Ratio Lower Upper
96 100
61 159.9 118.2 219.6
98 66.4 44.8 83.2



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: 0.519 ug/L

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VU034618.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

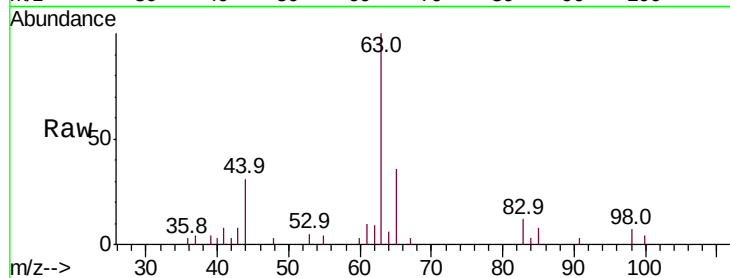
Tot Ion: 63 Resp: 9121

Ion Ratio Lower Upper

63 100

65 36.1 21.9 40.7

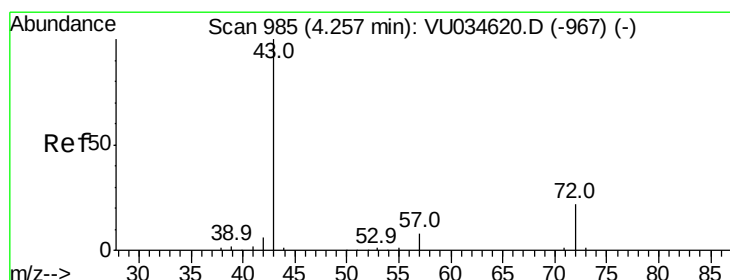
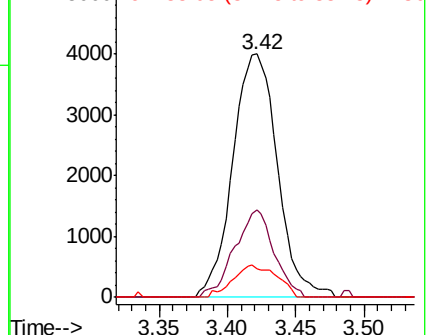
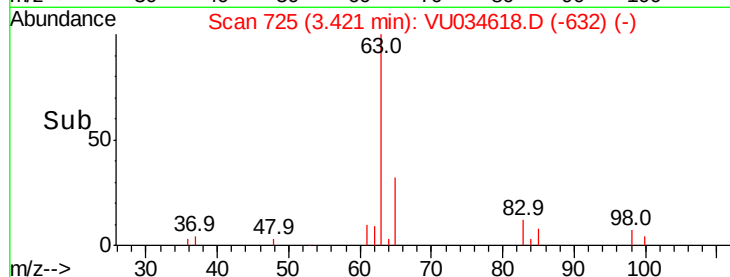
83 11.8 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VU034618.D (-632) (-)

Ion 65.10 (64.80 to 65.80): VU034618.D (-632) (-)

Ion 83.05 (82.75 to 83.75): VU034618.D (-632) (-)



#21

2-Butanone

Concen: 3.690 ug/L

RT: 4.28 min Scan# 993

Delta R.T. 0.03 min

Lab File: VU034618.D

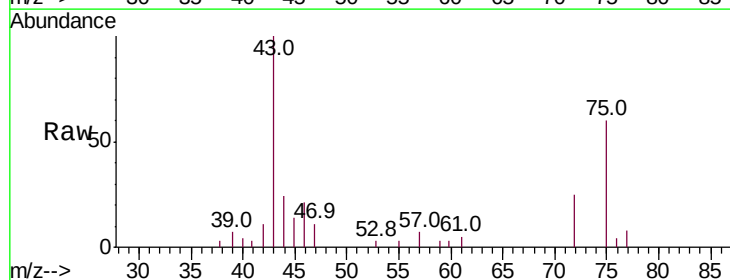
Acq: 17 Sep 2019 16:24

Tgt Ion: 43 Resp: 12415

Ion Ratio Lower Upper

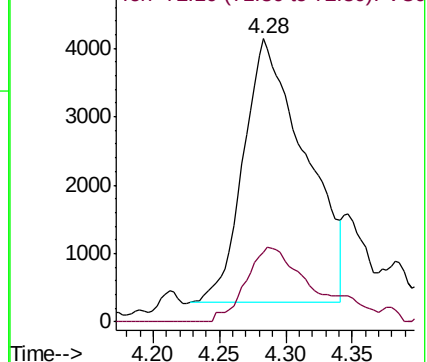
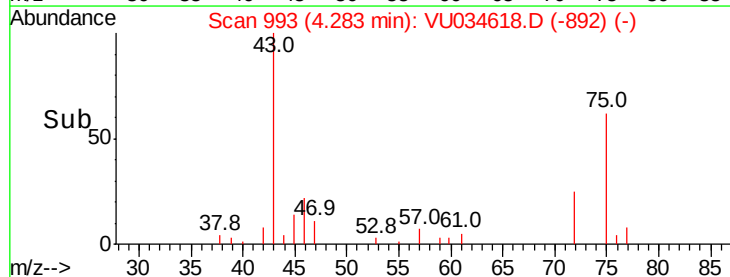
43 100

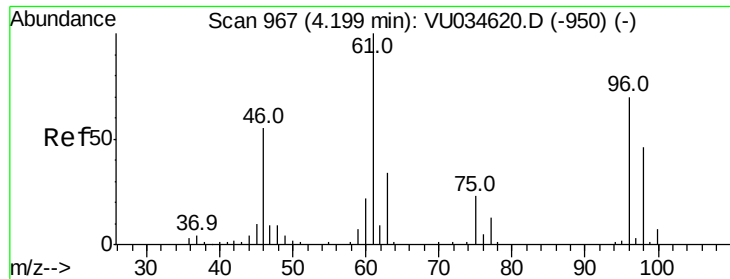
72 27.4 10.8 32.3



Abundance Ion 43.05 (42.75 to 43.75): VU034618.D (-892) (-)

Ion 72.10 (71.80 to 72.80): VU034618.D (-892) (-)



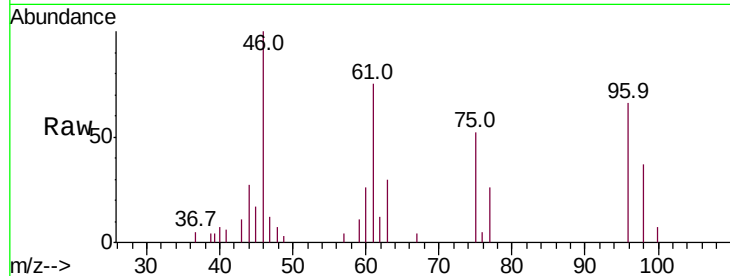


#22

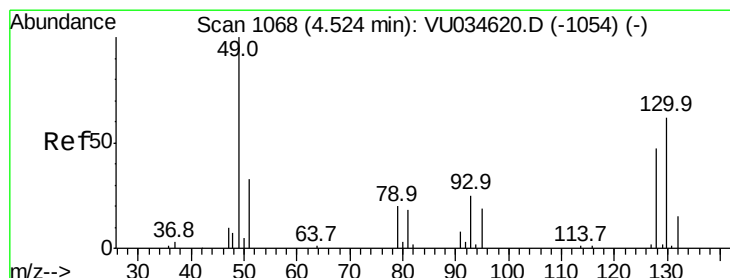
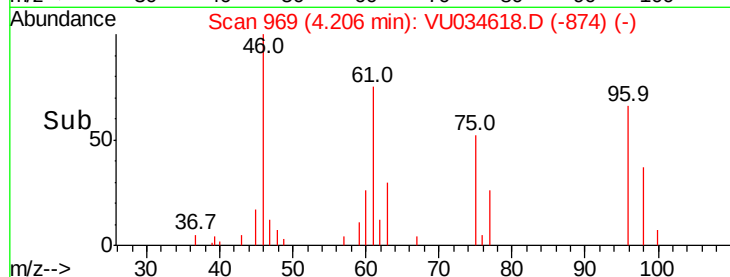
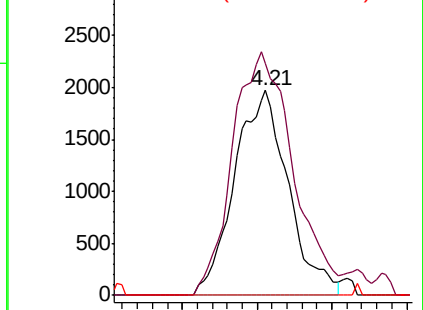
cis-1,2-Dichloroethene
 Concen: 0.483 ug/L
 RT: 4.21 min Scan# 969
 Delta R.T. 0.01 min
 Lab File: VU034618.D
 Acq: 17 Sep 2019 16:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tot Ion: 96 Resp: 4924
 Ion Ratio Lower Upper
 96 100
 61 113.3 100.0 185.8
 68 0.0 0.0 0.0



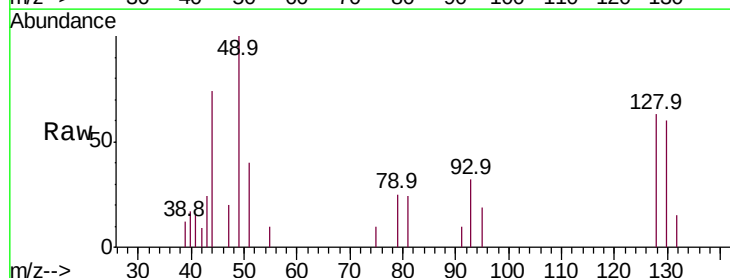
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



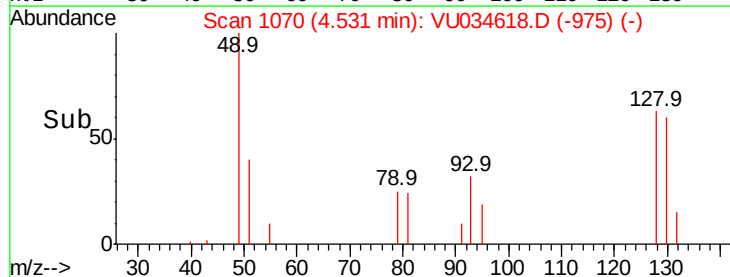
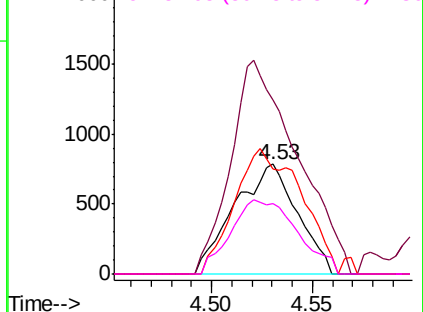
#23

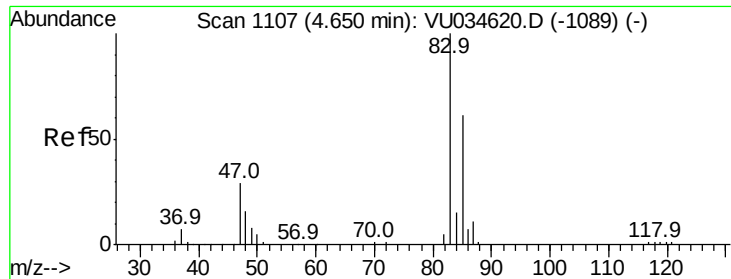
Bromochloromethane
 Concen: 0.409 ug/L
 RT: 4.53 min Scan# 1070
 Delta R.T. 0.01 min
 Lab File: VU034618.D
 Acq: 17 Sep 2019 16:24

Tgt Ion: 128 Resp: 1707
 Ion Ratio Lower Upper
 128 100
 49 158.5 149.9 278.3
 130 94.9 91.3 169.6
 51 64.0 55.7 83.5



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

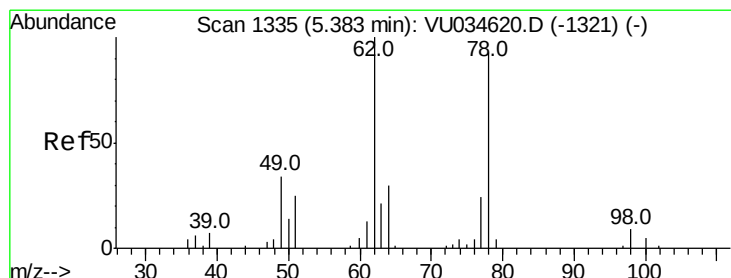
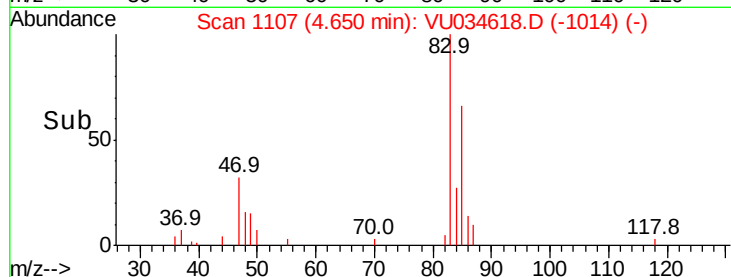
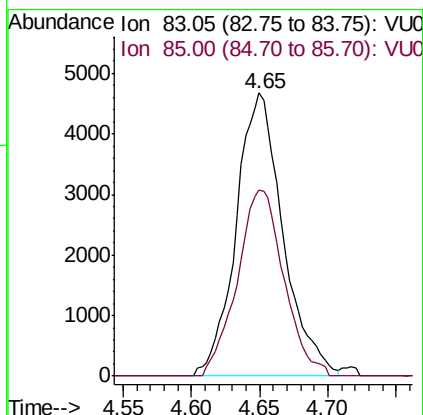
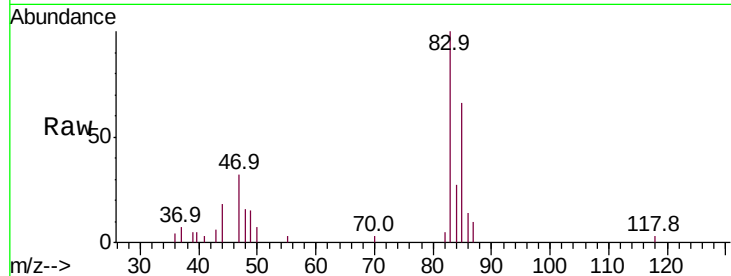




#25
Chloroform
Concen: 0.583 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU034618.D
Acq: 17 Sep 2019 16:24

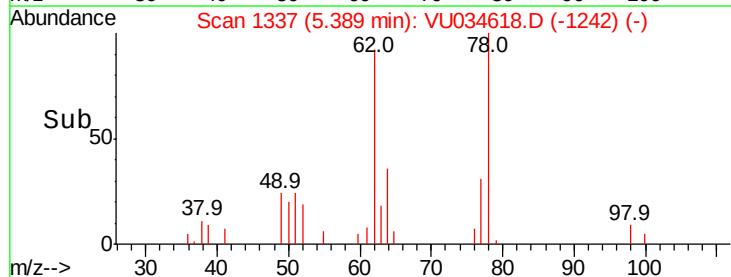
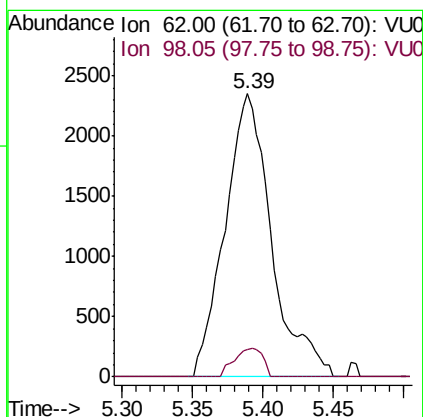
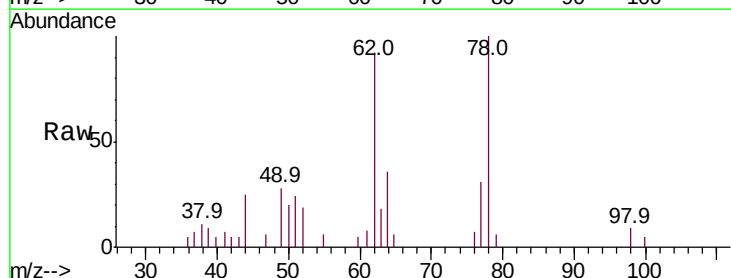
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

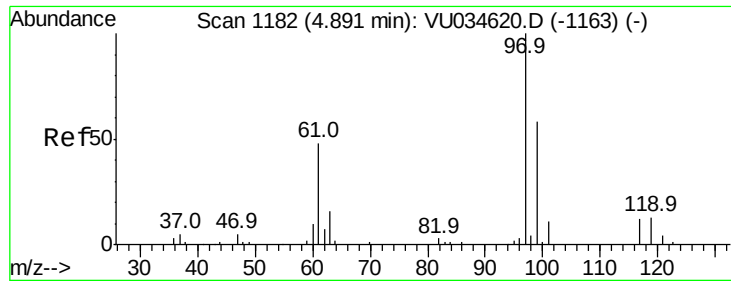
Tot Ion: 83 Resp: 11162
Ion Ratio Lower Upper
83 100
85 65.6 42.8 79.4



#27
1,2-Dichloroethane
Concen: 0.486 ug/L
RT: 5.39 min Scan# 1337
Delta R.T. 0.01 min
Lab File: VU034618.D
Acq: 17 Sep 2019 16:24

Tgt Ion: 62 Resp: 5416
Ion Ratio Lower Upper
62 100
98 9.6 7.0 10.6

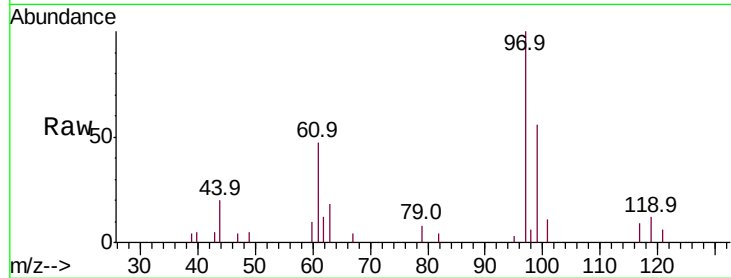




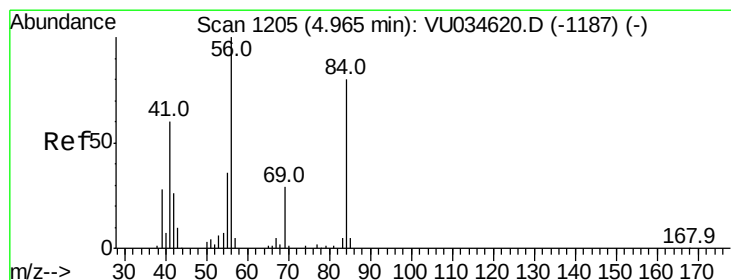
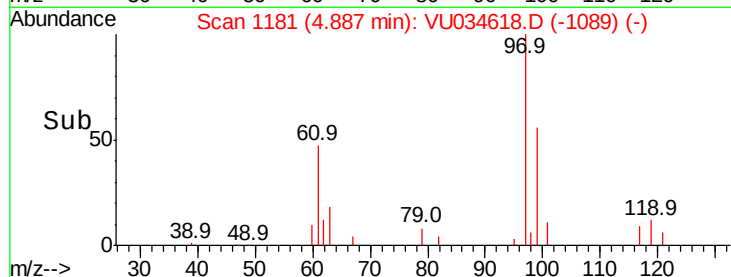
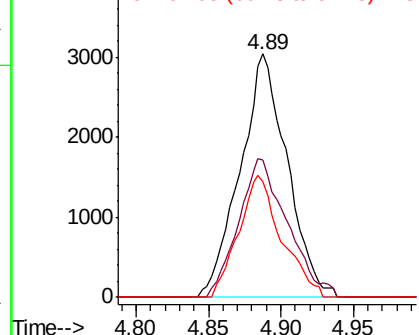
#29
1,1,1-Trichloroethane
Concen: 0.487 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU034618.D
Acq: 17 Sep 2019 16:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

Tot Ion: 97 Resp: 6866
Ion Ratio Lower Upper
97 100
99 59.0 50.0 75.0
61 45.5 39.8 59.6

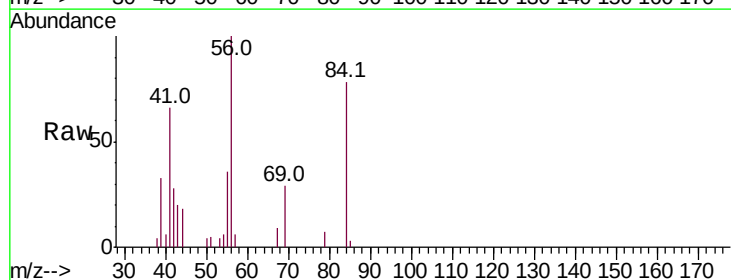


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

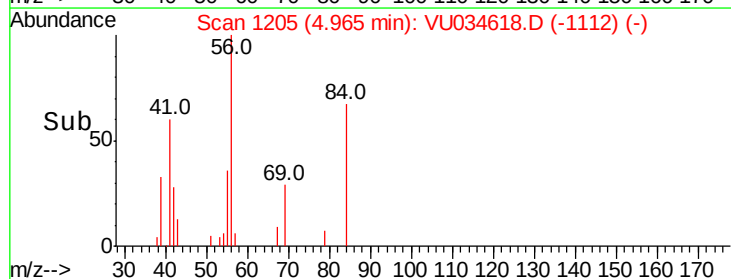
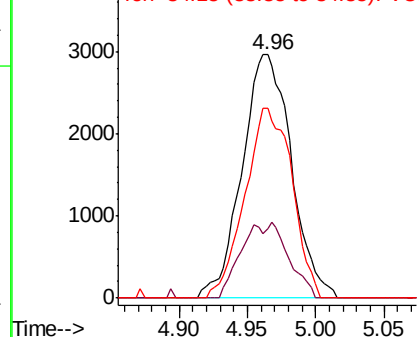


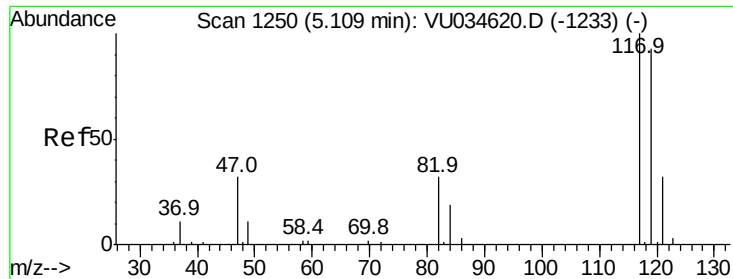
#30
Cyclohexane
Concen: 0.619 ug/L
RT: 4.96 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VU034618.D
Acq: 17 Sep 2019 16:24

Tgt Ion: 56 Resp: 7430
Ion Ratio Lower Upper
56 100
69 15.0 21.4 32.2#
84 74.5 64.2 96.2



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: 0.474 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU034618.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

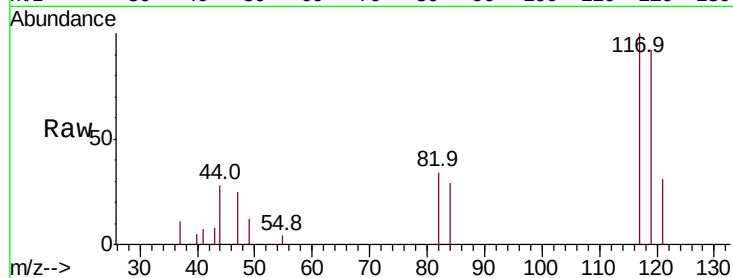
VSTD0.503

Tot Ion:117 Resp: 5268

Ion Ratio Lower Upper

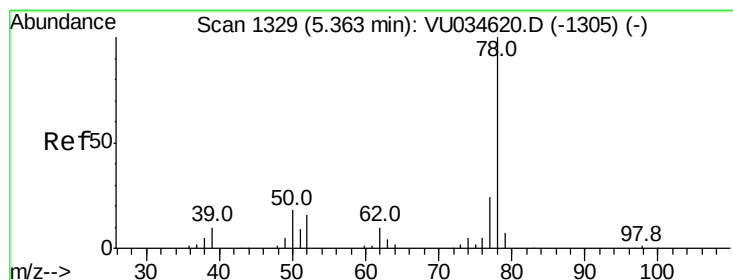
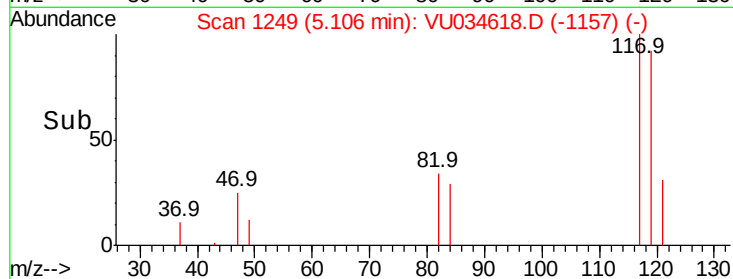
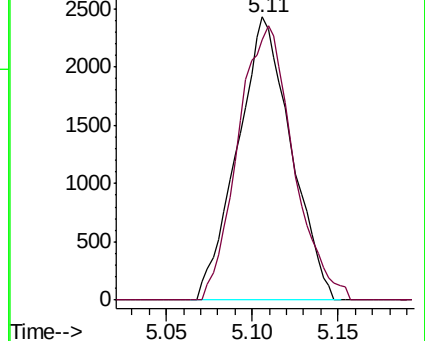
117 100

119 99.9 74.2 111.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.474 ug/L

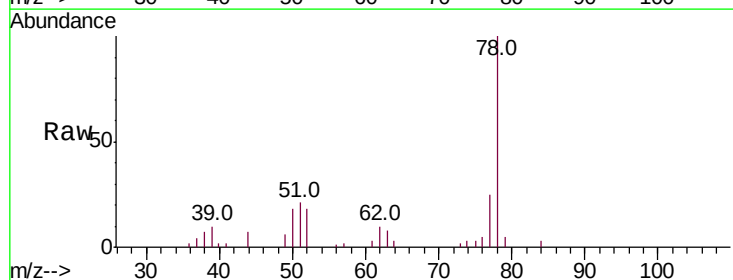
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

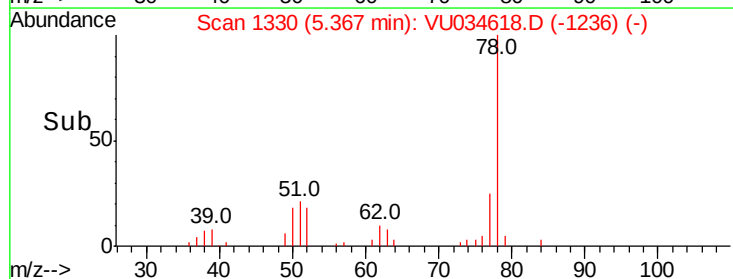
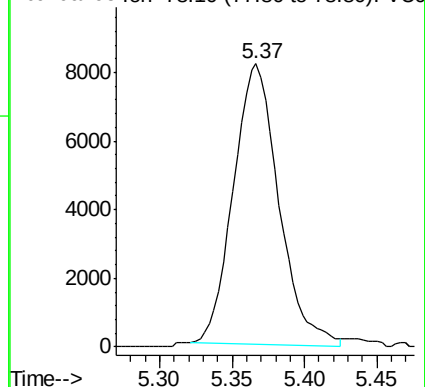
Lab File: VU034618.D

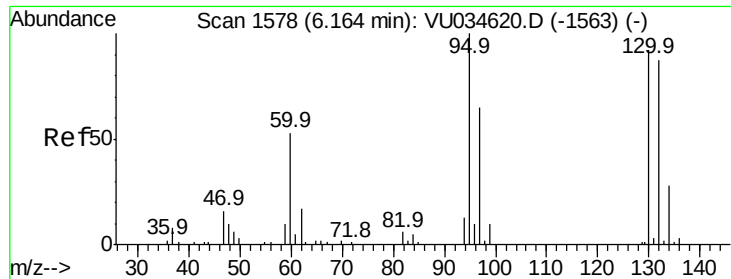
Acq: 17 Sep 2019 16:24

Tgt Ion: 78 Resp: 17847



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.460 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034618.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

Tot Ion: 95 Resp: 4332

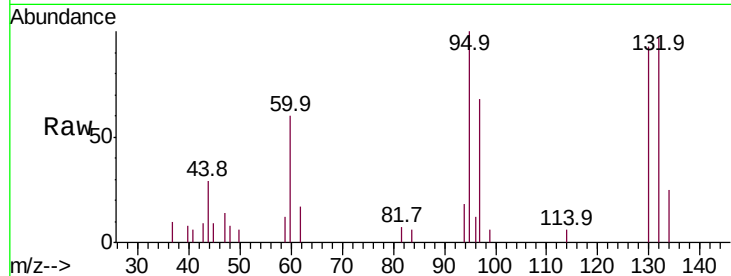
Ion Ratio Lower Upper

95 100

97 68.0 45.2 84.0

132 97.3 60.9 113.1

130 93.0 64.3 119.3

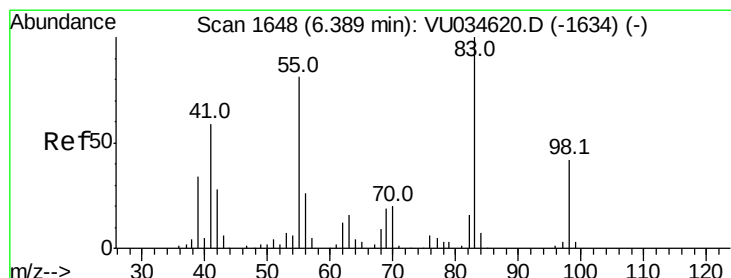
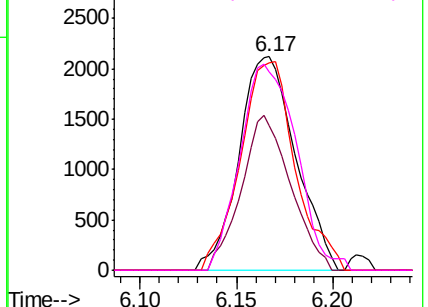
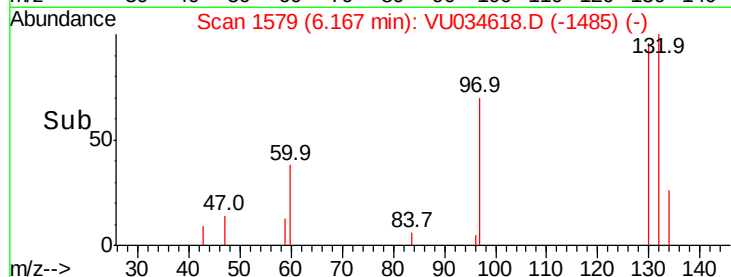


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.612 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU034618.D

Acq: 17 Sep 2019 16:24

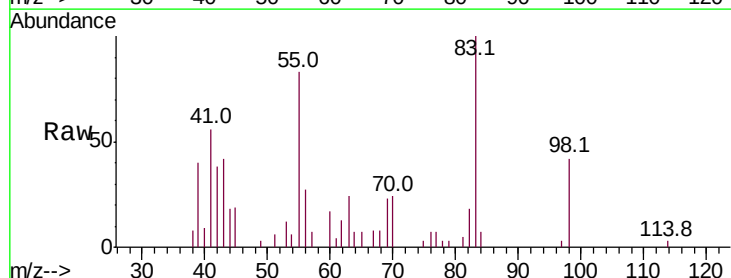
Tgt Ion: 83 Resp: 7524

Ion Ratio Lower Upper

83 100

55 73.3 66.8 100.2

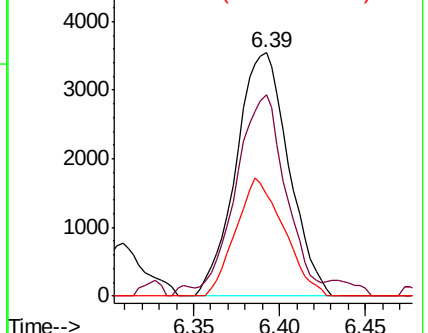
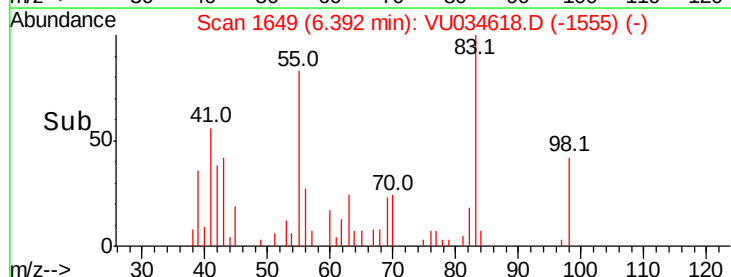
98 44.4 35.4 53.0

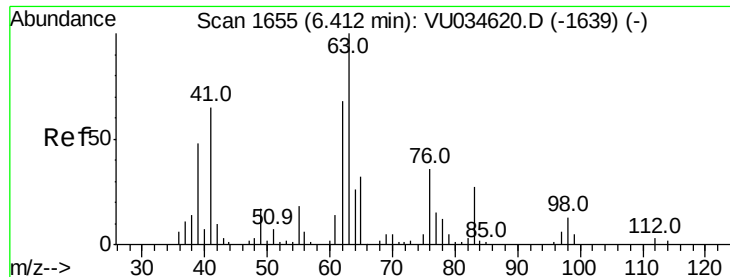


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.507 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034618.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

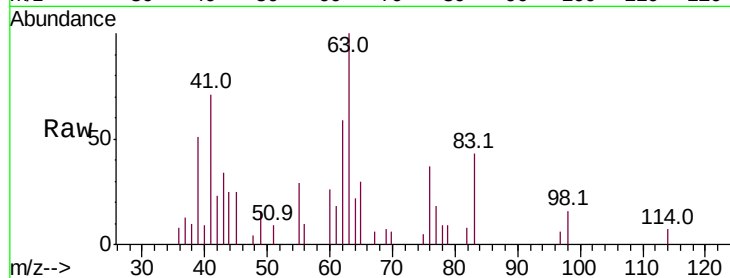
VSTD0.503

Tot Ion: 63 Resp: 5636

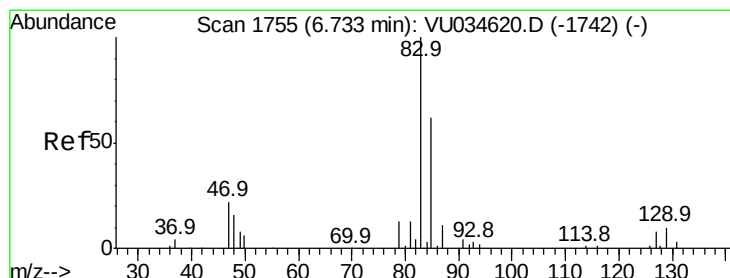
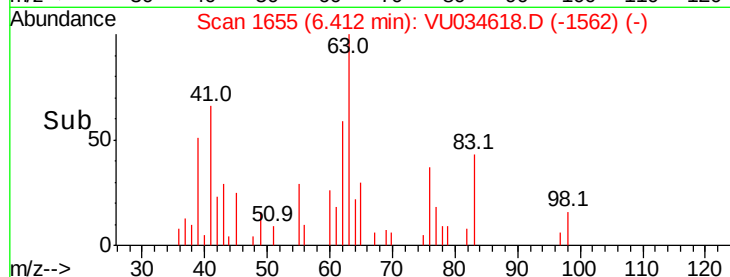
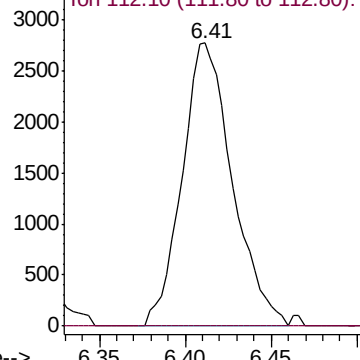
Ion Ratio Lower Upper

63 100

112 0.0 2.2 3.2#



Abundance Ion 63.10 (62.80 to 63.80): VU034618.D (-1652) (-)



#38

Bromodichloromethane

Concen: 0.467 ug/L

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034618.D

Acq: 17 Sep 2019 16:24

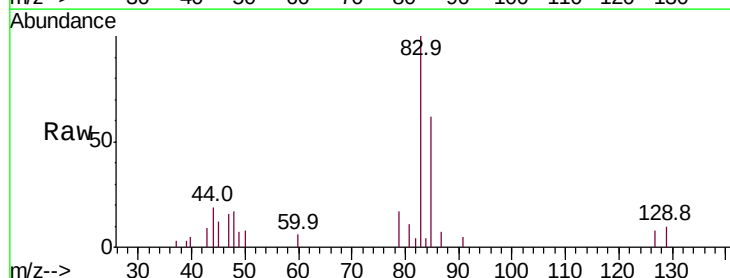
Tgt Ion: 83 Resp: 6487

Ion Ratio Lower Upper

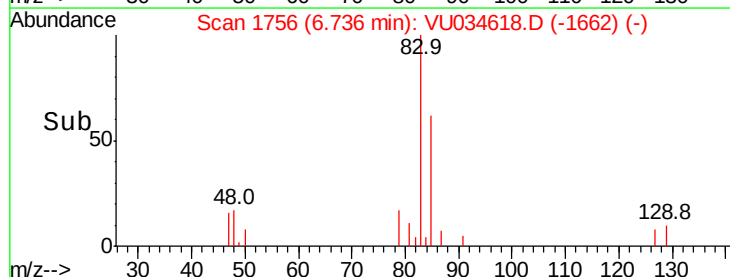
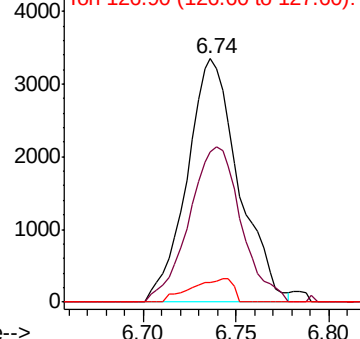
83 100

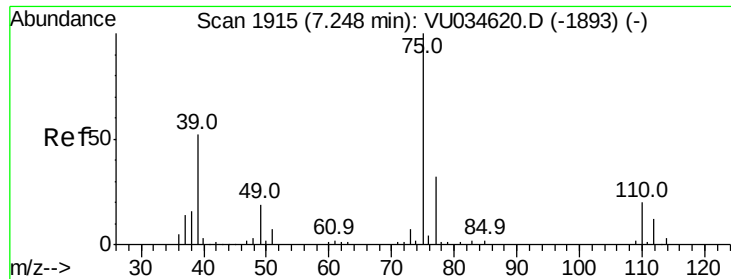
85 61.7 43.4 80.6

127 8.2 6.2 9.2



Abundance Ion 82.95 (82.65 to 83.65): VU034618.D (-1662) (-)

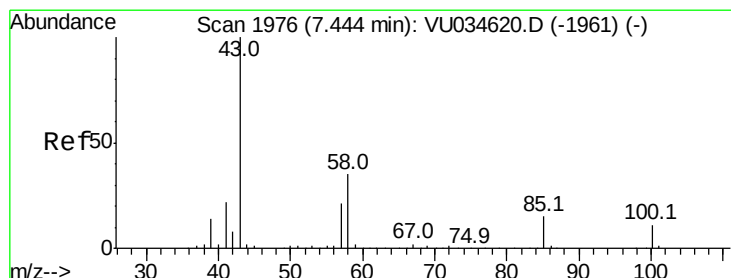
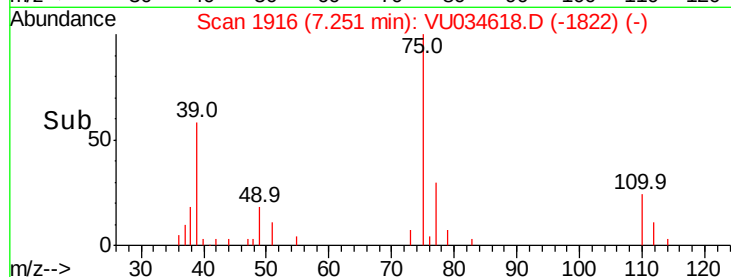
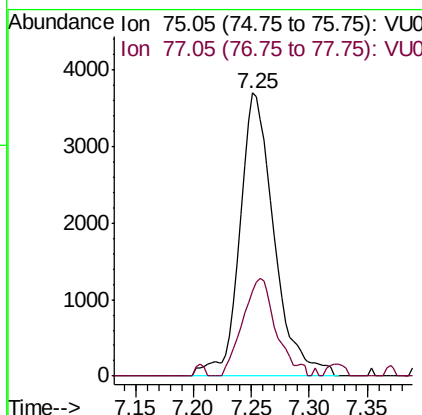
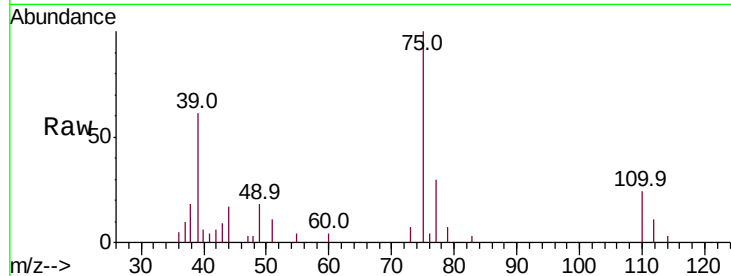




#39
 cis-1,3-Dichloropropene
 Concen: 0.461 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU034618.D
 Acq: 17 Sep 2019 16:24

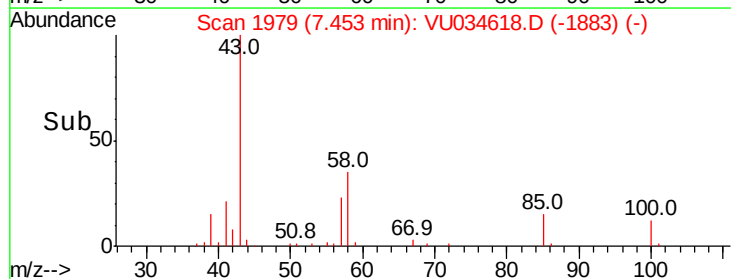
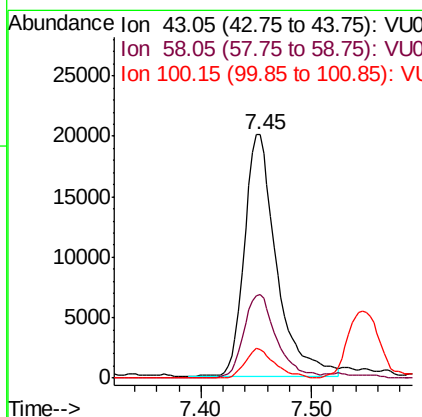
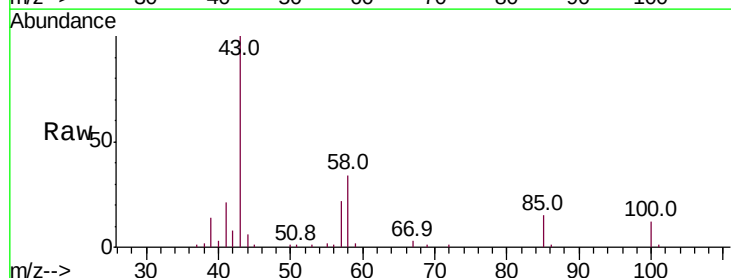
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

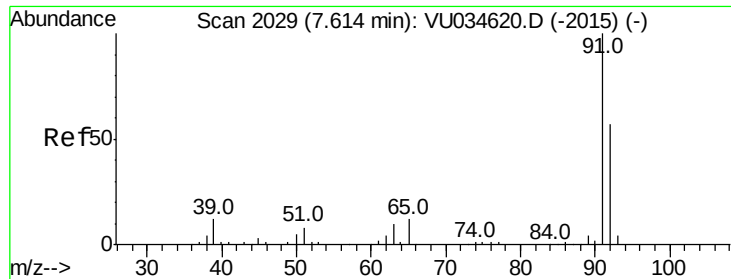
Tot Ion: 75 Resp: 7619
 Ion Ratio Lower Upper
 75 100
 77 30.0 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 4.433 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.01 min
 Lab File: VU034618.D
 Acq: 17 Sep 2019 16:24

Tgt Ion: 43 Resp: 40162
 Ion Ratio Lower Upper
 43 100
 58 35.3 28.6 42.8
 100 11.3 8.9 13.3





#42

Toluene

Concen: 0.480 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034618.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

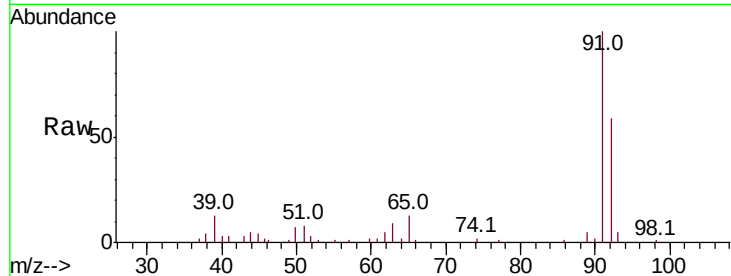
VSTD0.503

Tot Ion: 91 Resp: 19177

Ion Ratio Lower Upper

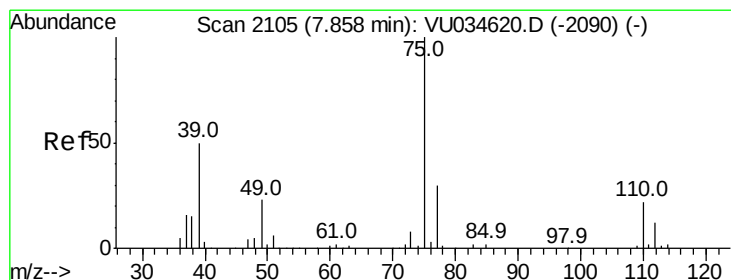
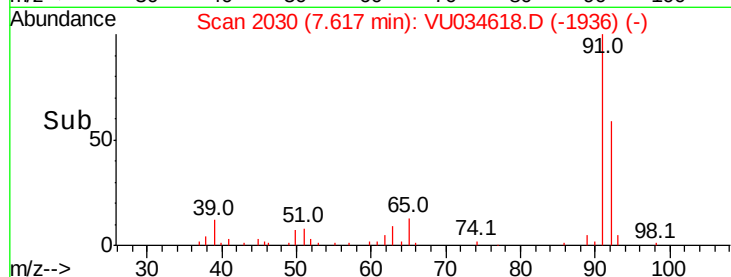
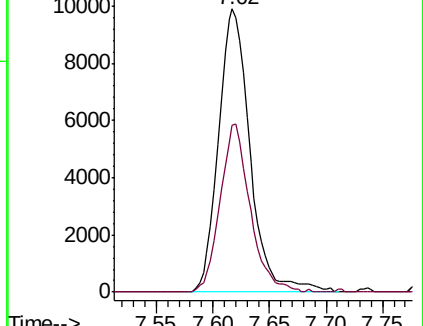
91 100

92 59.1 39.6 73.6



Abundance Ion 91.15 (90.85 to 91.85): VU034618.D (-2030) (-)

Ion 92.15 (91.85 to 92.85): VU034618.D (-2030) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.452 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.01 min

Lab File: VU034618.D

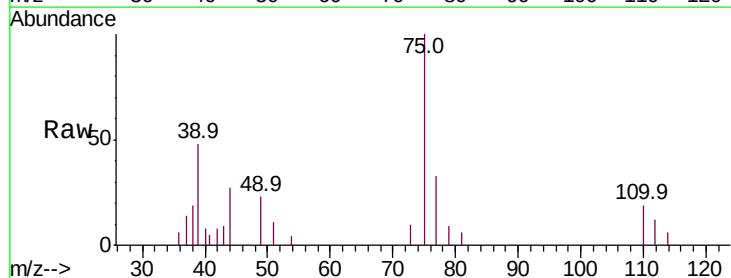
Acq: 17 Sep 2019 16:24

Tgt Ion: 75 Resp: 6202

Ion Ratio Lower Upper

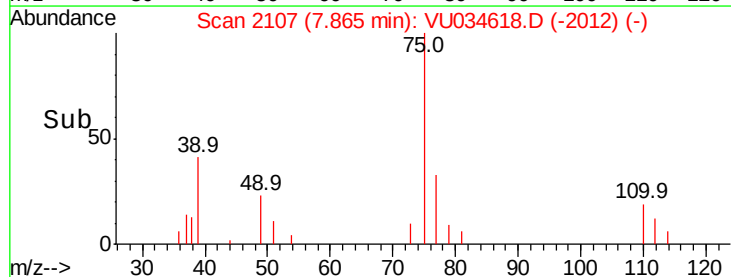
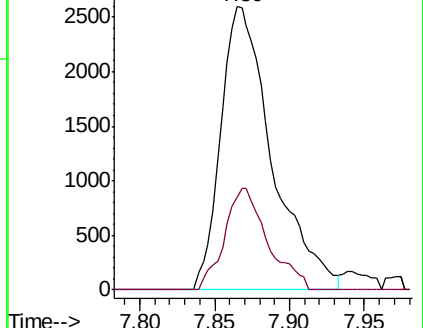
75 100

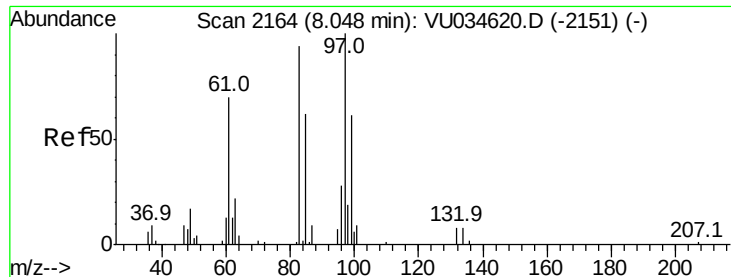
77 33.0 21.1 39.3



Abundance Ion 75.05 (74.75 to 75.75): VU034618.D (-2107) (-)

Ion 77.05 (76.75 to 77.75): VU034618.D (-2107) (-)





#45

1,1,2-Trichloroethane

Concen: 0.441 ug/L

RT: 8.05 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VU034618.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

Tot Ion: 97 Resp: 3445

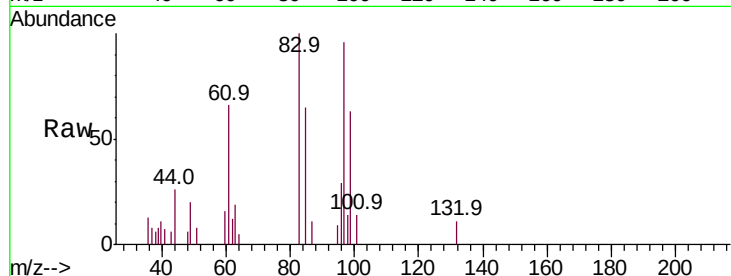
Ion Ratio Lower Upper

97 100

99 65.2 42.5 78.9

83 103.7 65.9 122.5

85 67.6 43.5 80.9

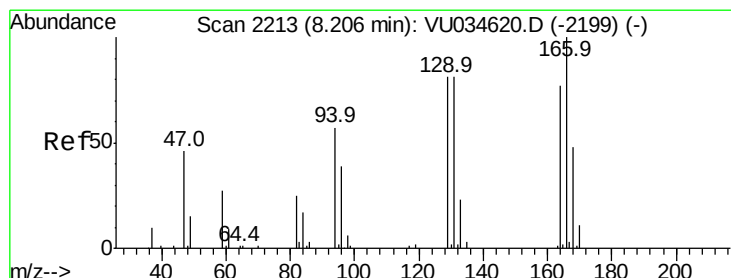
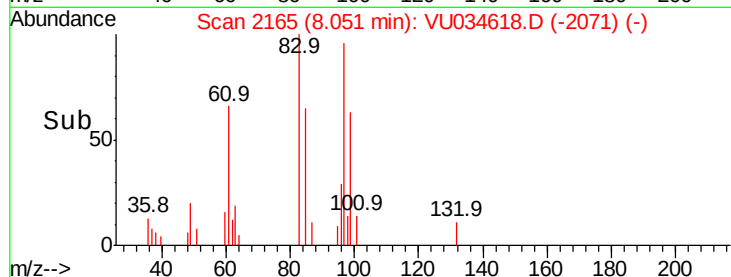
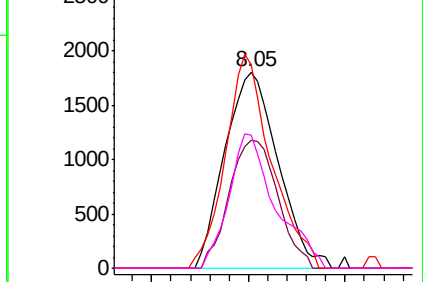


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 0.459 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU034618.D

Acq: 17 Sep 2019 16:24

Tgt Ion: 164 Resp: 2636

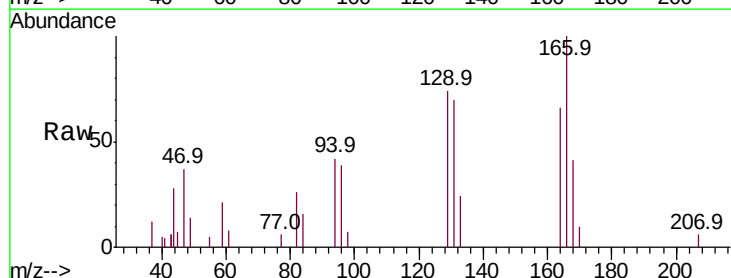
Ion Ratio Lower Upper

164 100

129 112.0 73.6 136.8

131 106.0 73.4 136.4

166 152.3 90.6 168.3

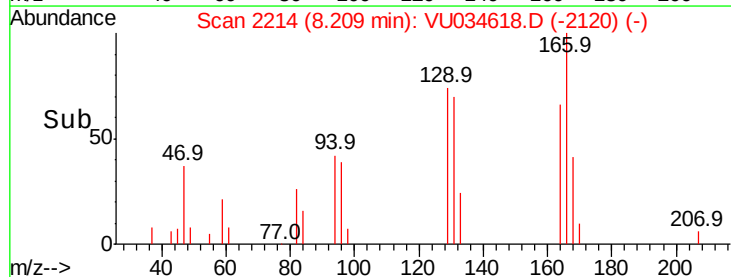
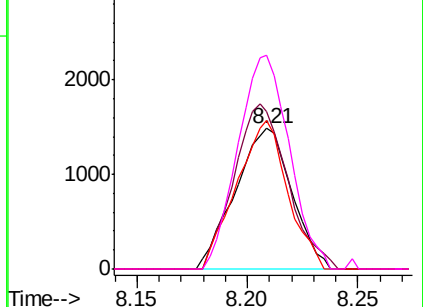


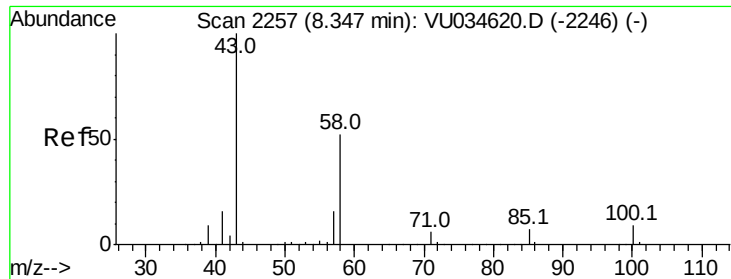
Abundance Ion 163.90 (163.60 to 164.60): V

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

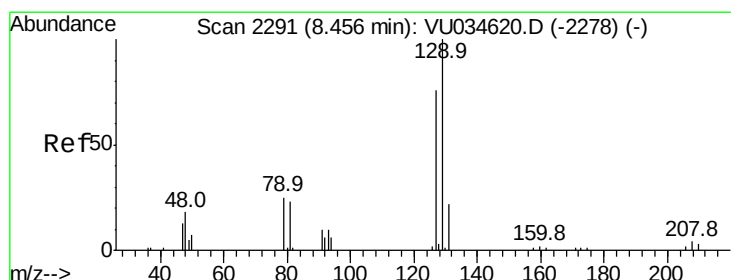
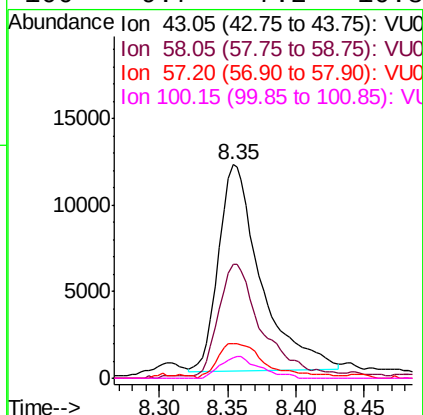
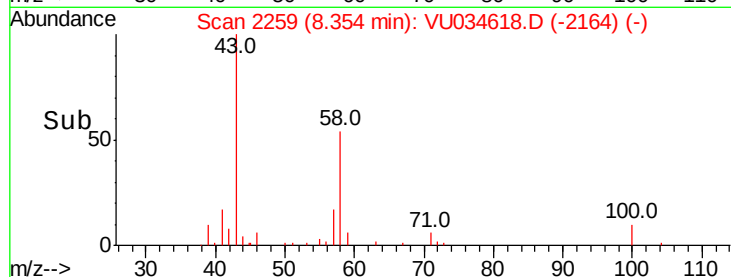
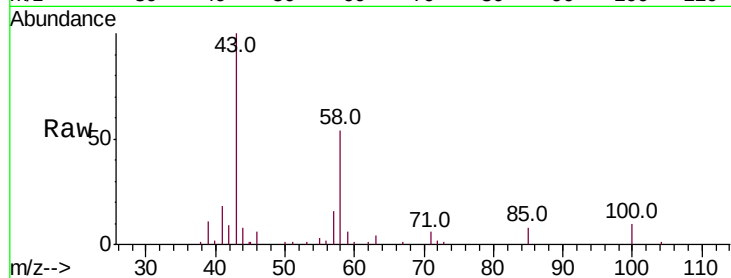




#48
2-Hexanone
Concen: 4.188 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. 0.01 min
Lab File: VU034618.D
Acq: 17 Sep 2019 16:24

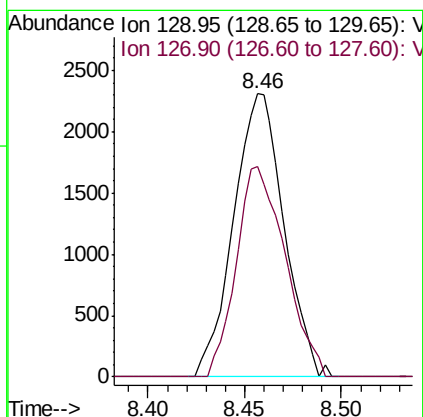
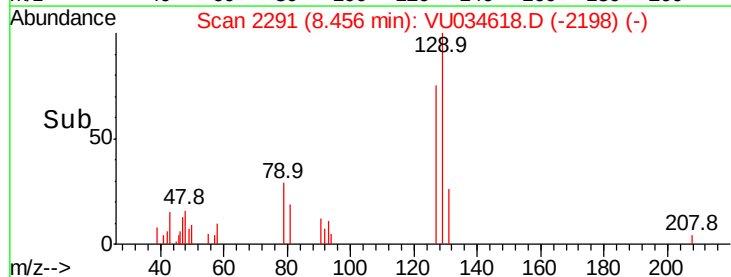
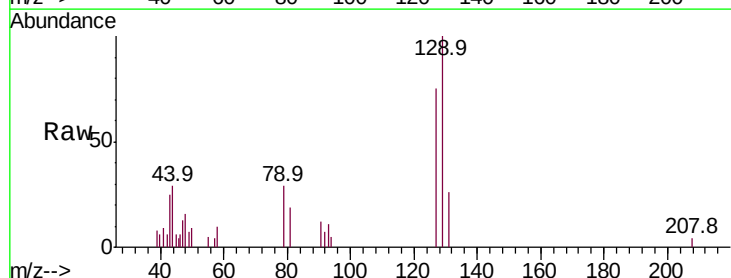
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

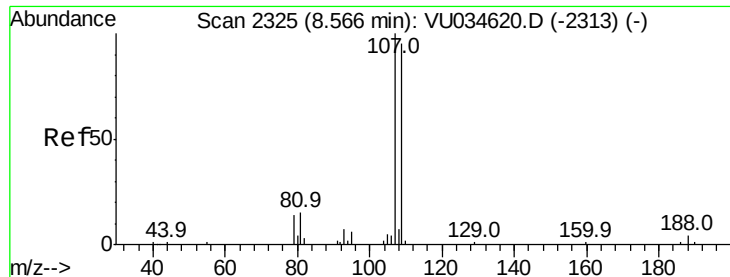
Tot Ion: 43 Resp: 25655
Ion Ratio Lower Upper
43 100
58 54.2 41.2 61.8
57 18.8 13.3 19.9
100 9.7 7.2 10.8



#49
Dibromochloromethane
Concen: 0.444 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034618.D
Acq: 17 Sep 2019 16:24

Tgt Ion: 129 Resp: 4173
Ion Ratio Lower Upper
129 100
127 74.5 53.0 98.4





#50

1,2-Dibromoethane

Concen: 0.432 ug/L

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU034618.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

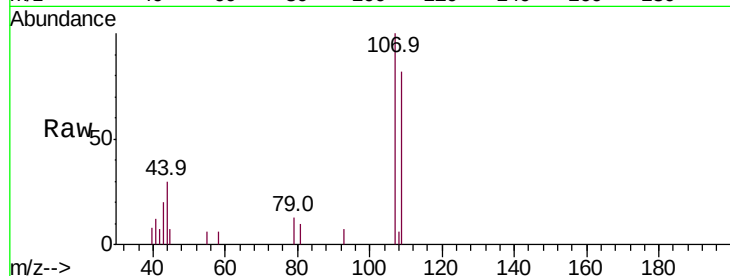
Tot Ion:107 Resp: 3175

Ion Ratio Lower Upper

107 100

109 81.7 66.3 123.1

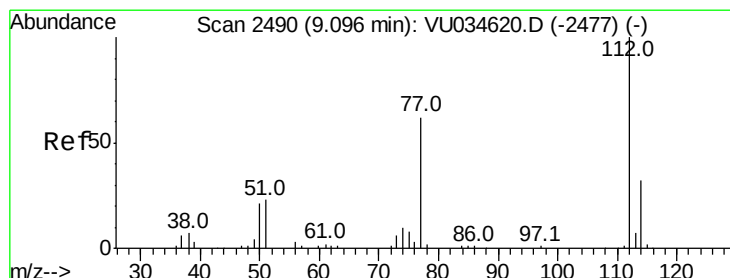
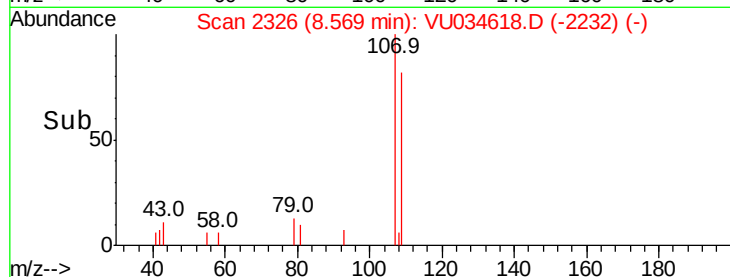
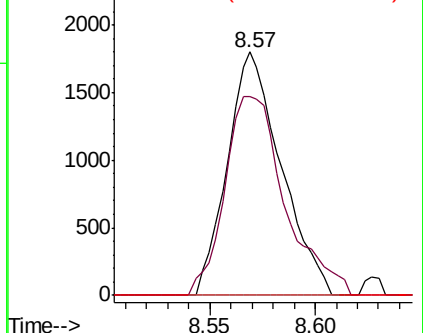
188 0.0 2.9 4.3#



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 0.478 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034618.D

Acq: 17 Sep 2019 16:24

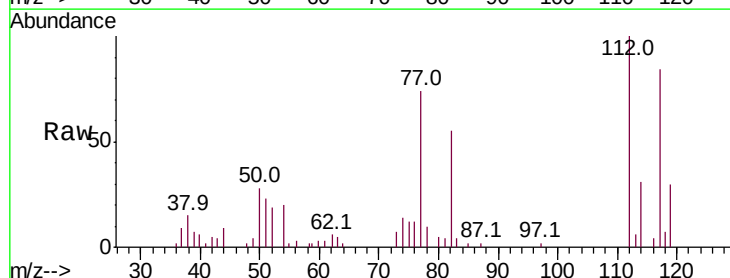
Tgt Ion:112 Resp: 12345

Ion Ratio Lower Upper

112 100

114 30.6 22.5 41.7

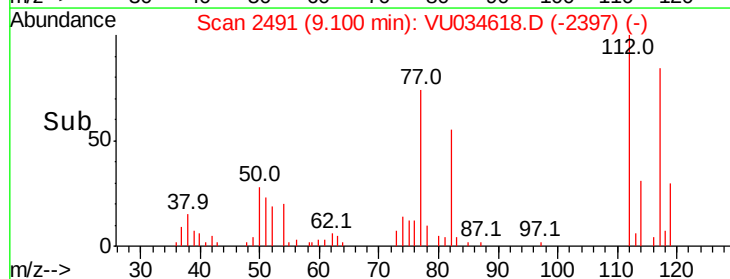
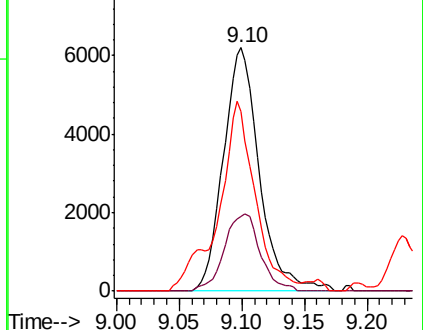
77 73.5 50.3 75.5

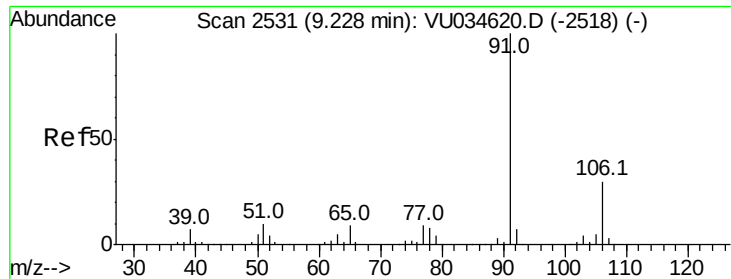


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 0.487 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034618.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

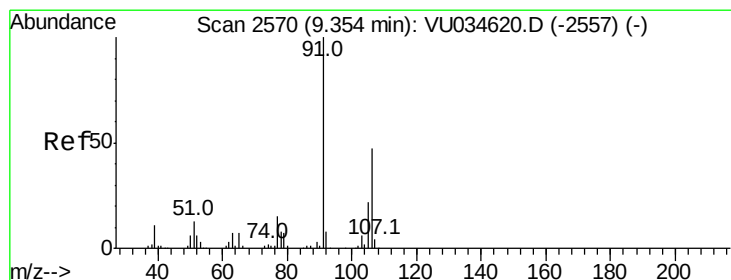
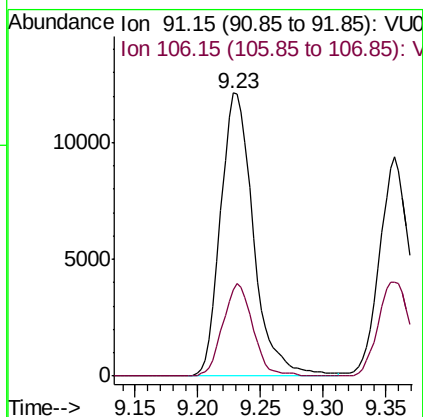
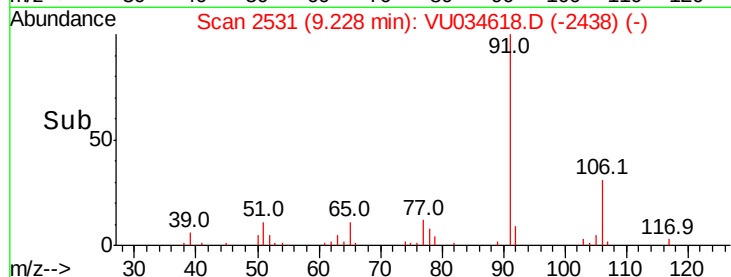
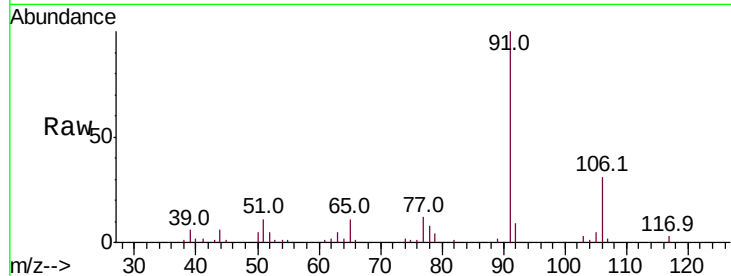
VSTD0.503

Tot Ion: 91 Resp: 22129

Ion Ratio Lower Upper

91 100

106 30.6 20.9 38.7



#53

m,p-Xylene

Concen: 0.483 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034618.D

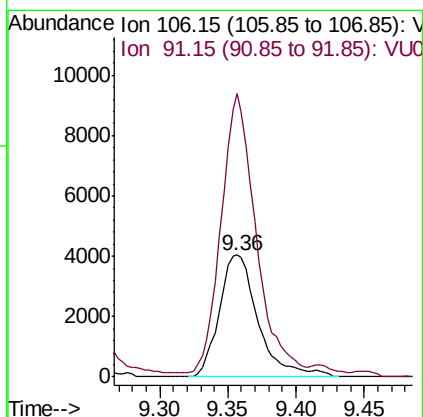
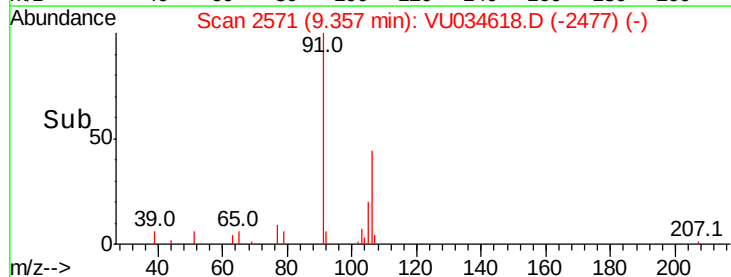
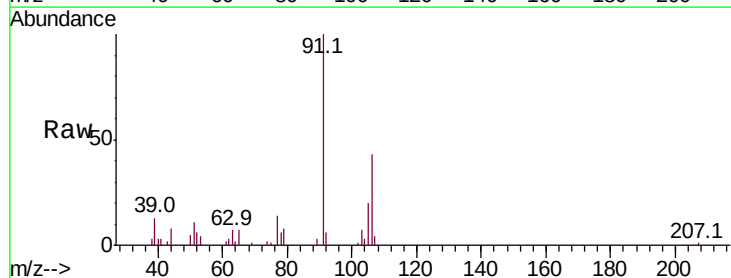
Acq: 17 Sep 2019 16:24

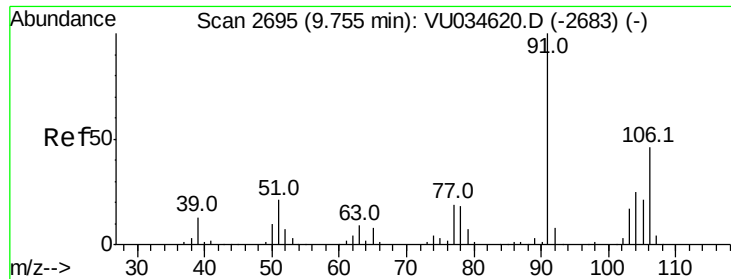
Tgt Ion: 106 Resp: 8005

Ion Ratio Lower Upper

106 100

91 232.1 147.8 274.4

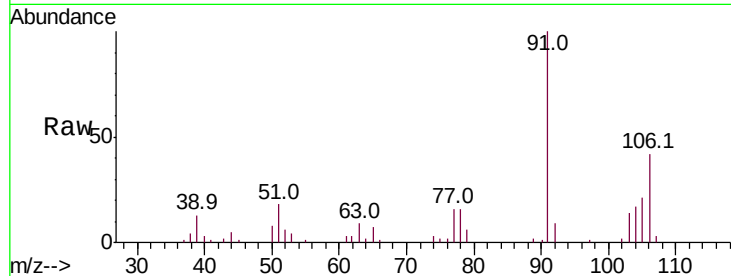




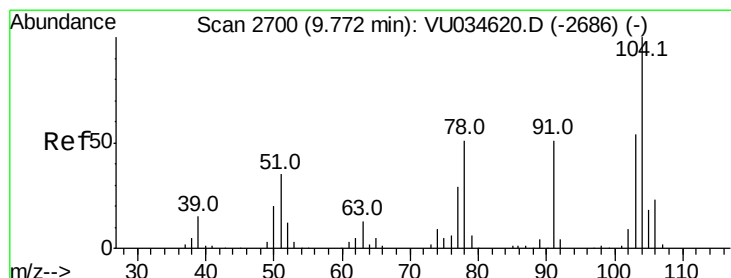
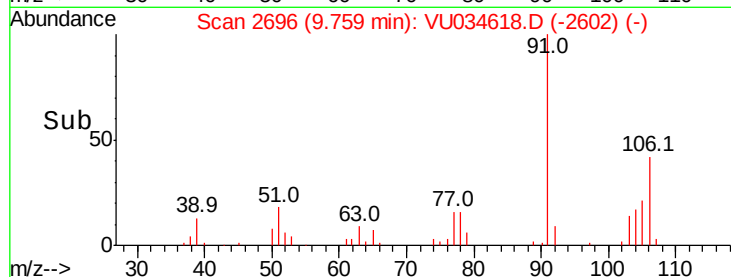
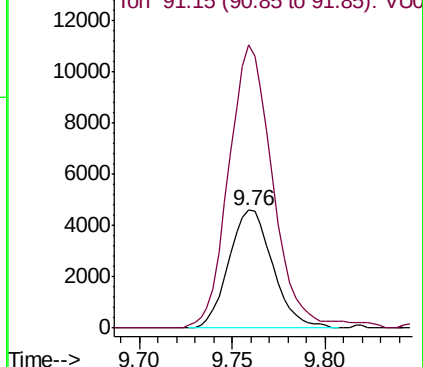
#54
o-Xylene
Concen: 0.449 ug/L
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034618.D
Acq: 17 Sep 2019 16:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

Tot Ion:106 Resp: 7616
Ion Ratio Lower Upper
106 100
91 240.0 151.9 282.1

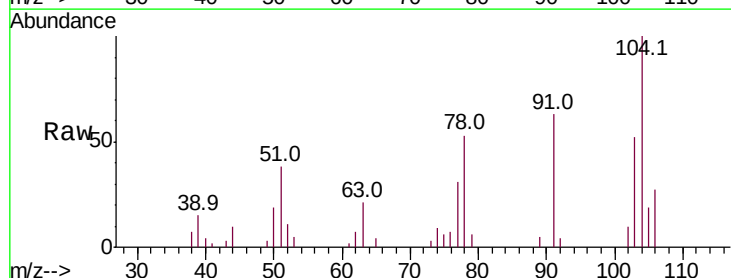


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

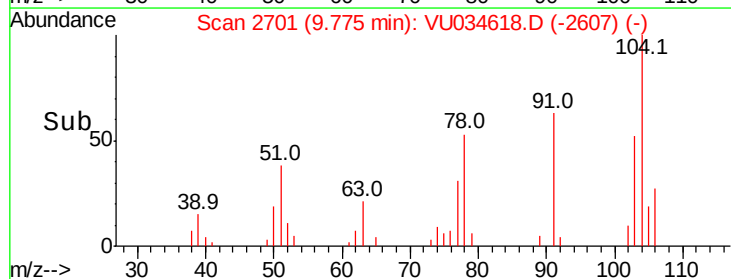
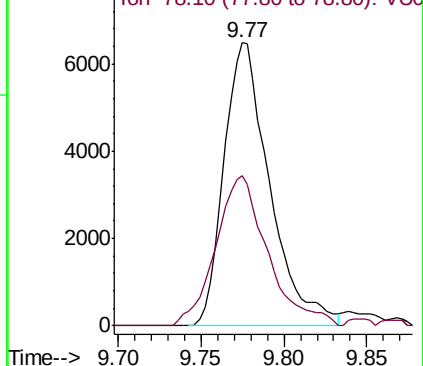


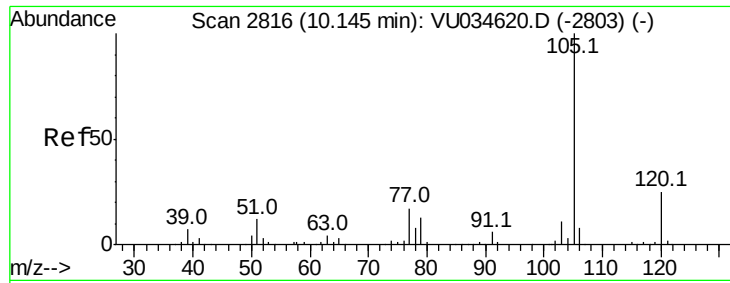
#55
Styrene
Concen: 0.432 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034618.D
Acq: 17 Sep 2019 16:24

Tgt Ion:104 Resp: 12446
Ion Ratio Lower Upper
104 100
78 52.9 35.4 65.8



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





#56

Isopropylbenzene

Concen: 0.509 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034618.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

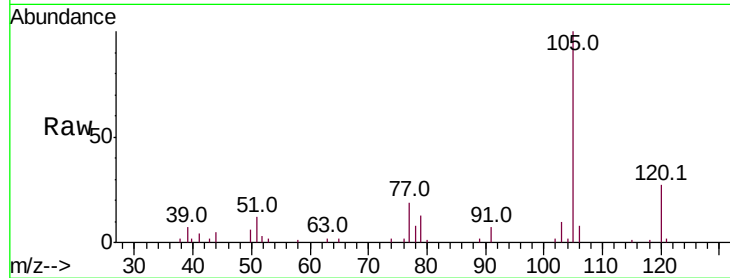
Tot Ion:105 Resp: 22481

Ion Ratio Lower Upper

105 100

120 24.9 19.8 29.6

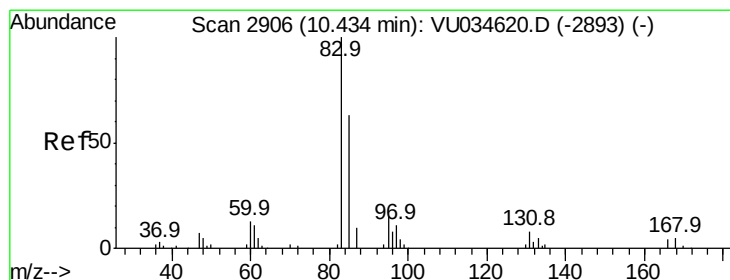
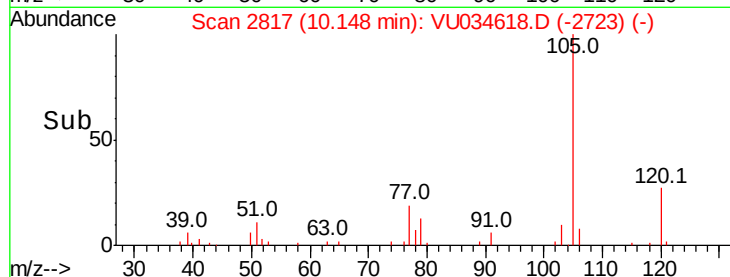
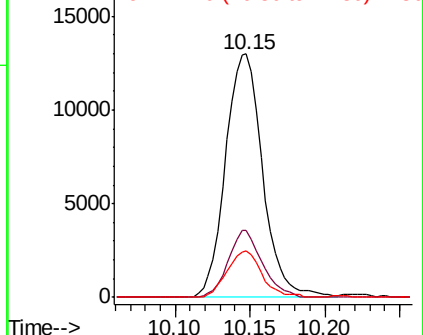
77 17.8 13.9 20.9



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: 0.438 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.01 min

Lab File: VU034618.D

Acq: 17 Sep 2019 16:24

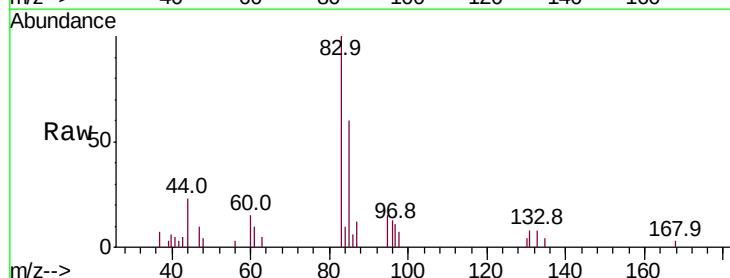
Tgt Ion: 83 Resp: 5040

Ion Ratio Lower Upper

83 100

85 60.2 44.4 82.4

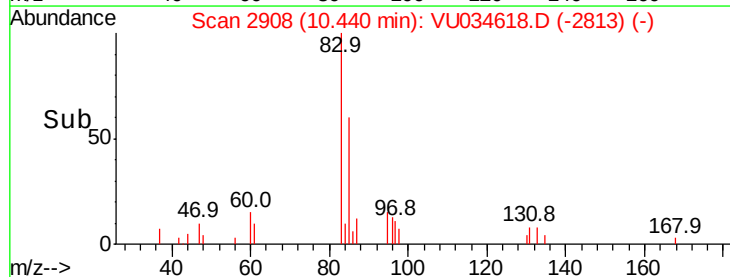
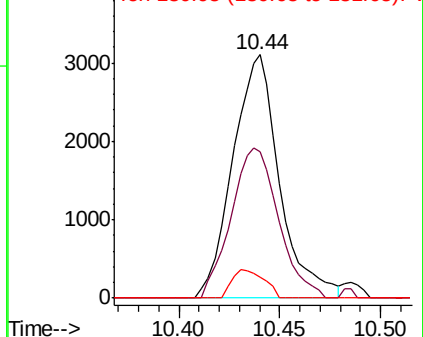
131 8.5 6.7 10.1

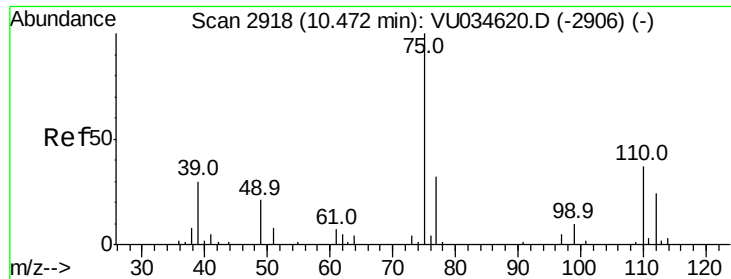


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V

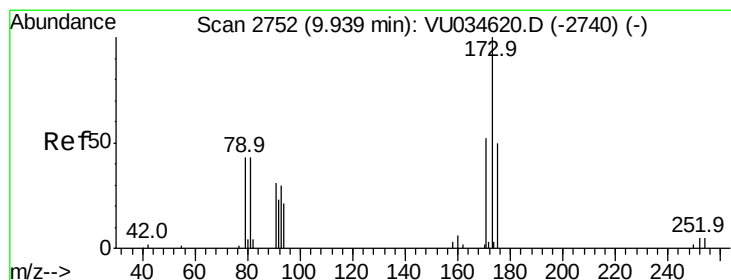
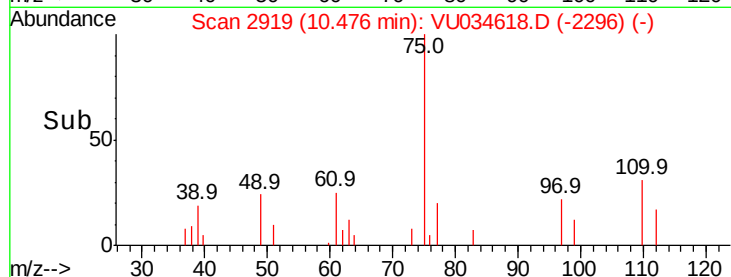
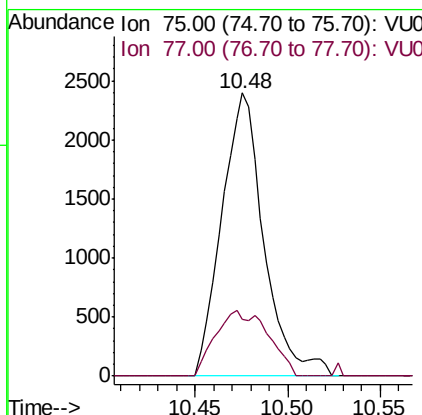
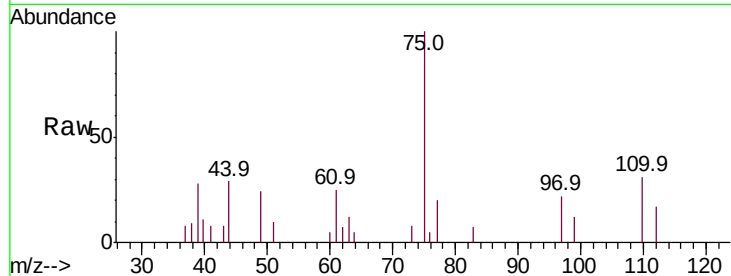




#59
 1,2,3-Trichloropropane
 Concen: 0.481 ug/L
 RT: 10.48 min Scan# 2919
 Delta R.T. 0.00 min
 Lab File: VU034618.D
 Acq: 17 Sep 2019 16:24

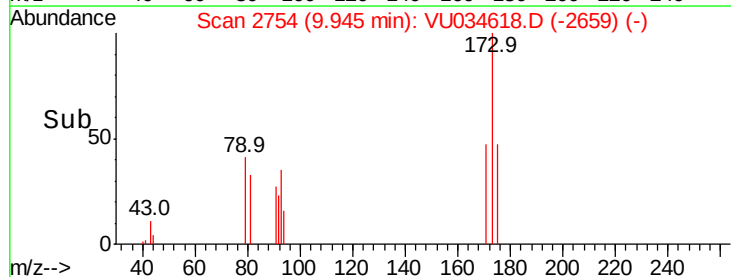
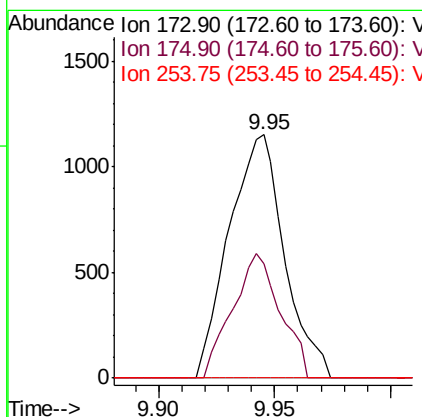
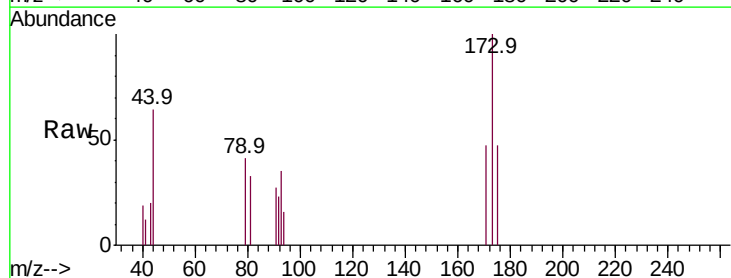
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

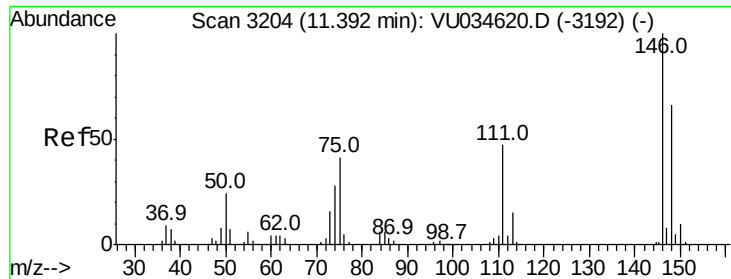
Tot Ion: 75 Resp: 3778
 Ion Ratio Lower Upper
 75 100
 77 29.0 26.0 39.0



#61
 Bromoform
 Concen: 0.389 ug/L
 RT: 9.95 min Scan# 2754
 Delta R.T. 0.01 min
 Lab File: VU034618.D
 Acq: 17 Sep 2019 16:24

Tgt Ion: 173 Resp: 1909
 Ion Ratio Lower Upper
 173 100
 175 44.3 40.0 60.0
 254 0.0 3.5 5.3#

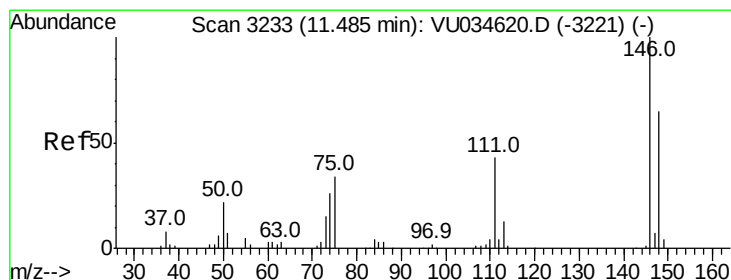
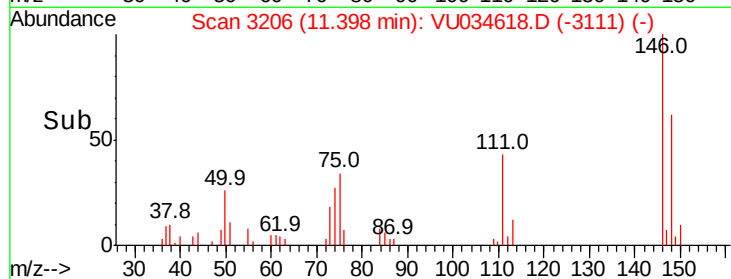
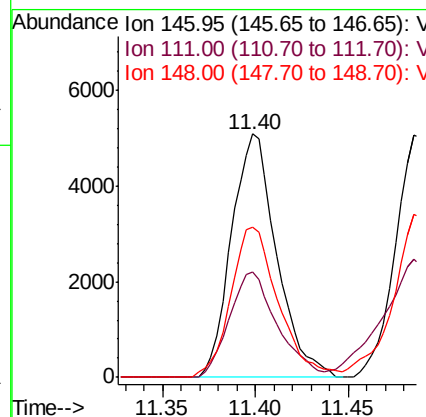
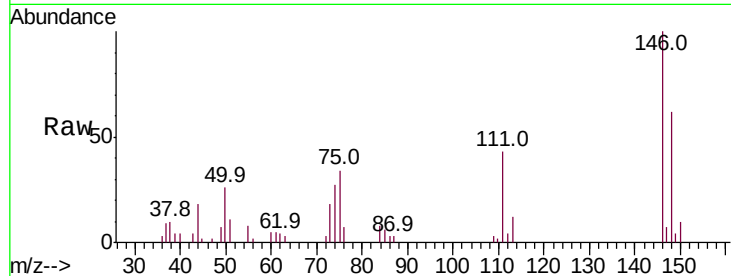




#62
 1,3-Dichlorobenzene
 Concen: 0.447 ug/L
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.01 min
 Lab File: VU034618.D
 Acq: 17 Sep 2019 16:24

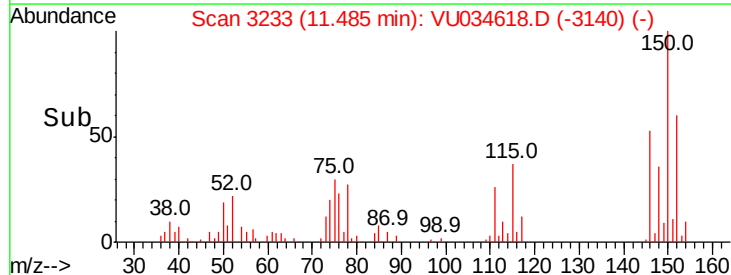
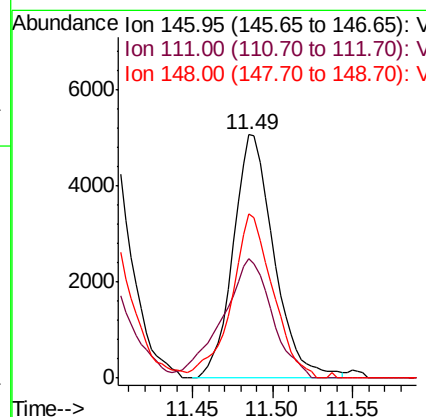
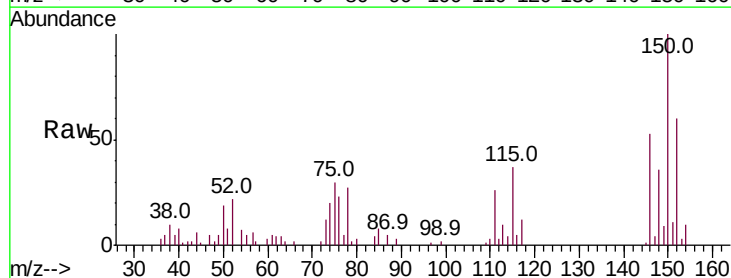
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

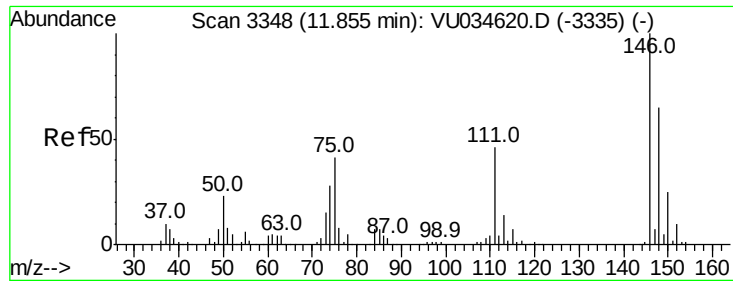
Tot Ion:146 Resp: 8587
 Ion Ratio Lower Upper
 146 100
 111 43.1 32.8 61.0
 148 61.8 45.9 85.3



#63
 1,4-Dichlorobenzene
 Concen: 0.459 ug/L
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034618.D
 Acq: 17 Sep 2019 16:24

Tgt Ion:146 Resp: 8805
 Ion Ratio Lower Upper
 146 100
 111 48.9 30.2 56.2
 148 67.5 45.4 84.4





#65

1,2-Dichlorobenzene

Concen: 0.467 ug/L

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU034618.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

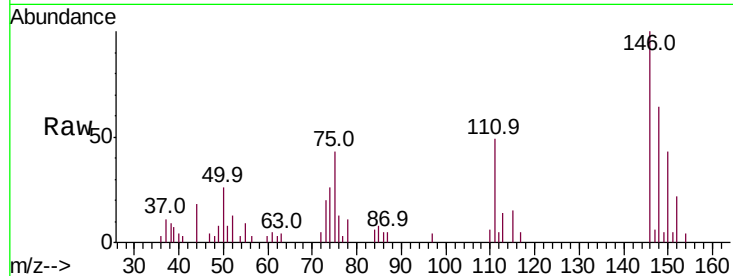
Tot Ion:146 Resp: 8563

Ion Ratio Lower Upper

146 100

111 49.0 37.1 55.7

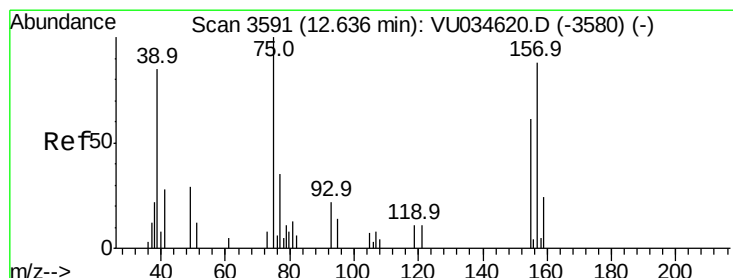
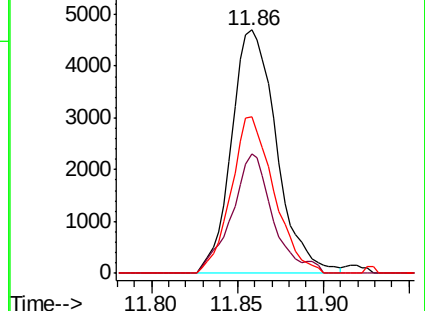
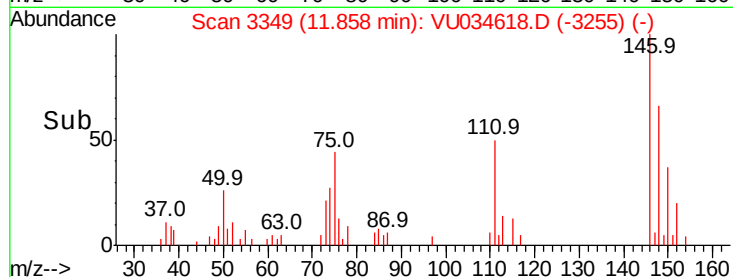
148 64.3 51.8 77.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.373 ug/L

RT: 12.64 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VU034618.D

Acq: 17 Sep 2019 16:24

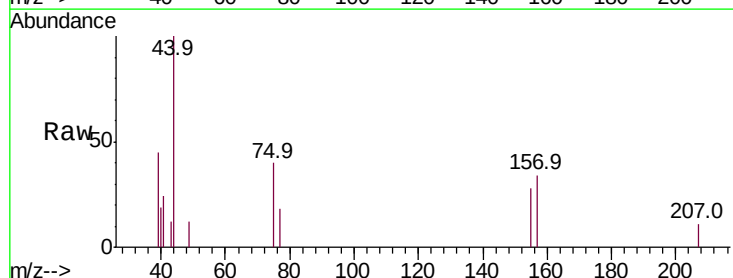
Tgt Ion: 75 Resp: 683

Ion Ratio Lower Upper

75 100

155 70.2 49.1 73.7

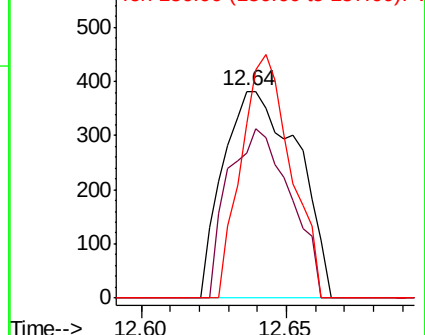
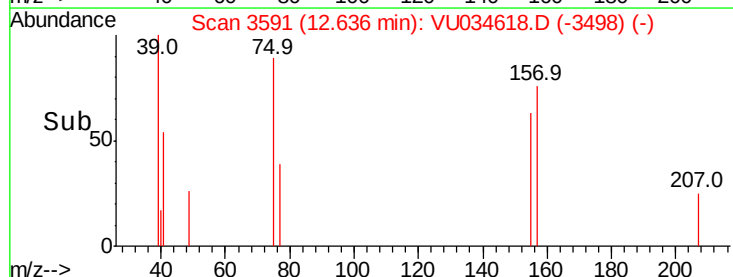
157 84.6 70.8 106.2

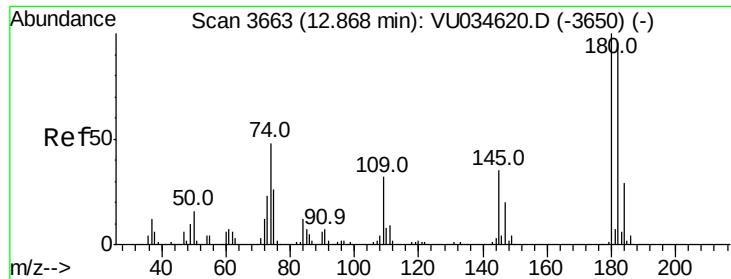


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

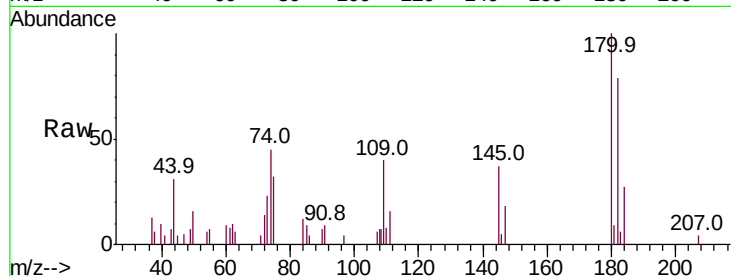




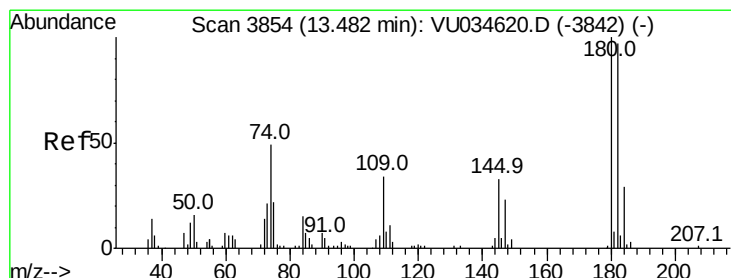
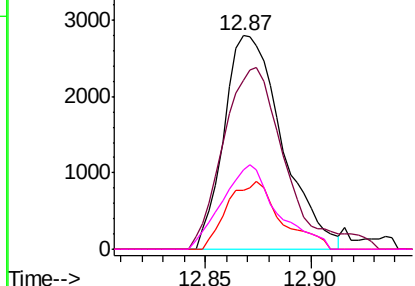
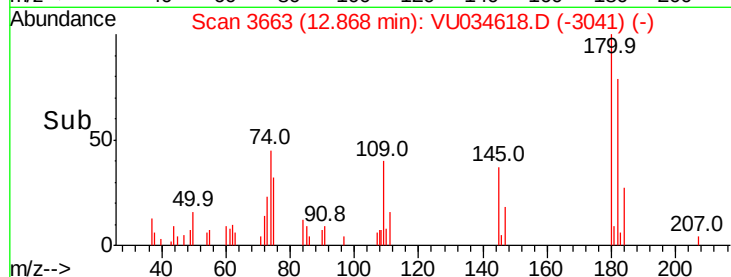
#67
 1,3,5-Trichlorobenzene
 Concen: 0.415 ug/L
 RT: 12.87 min Scan# 3663
 Delta R.T. -0.00 min
 Lab File: VU034618.D
 Acq: 17 Sep 2019 16:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tot Ion:180 Resp: 5351
 Ion Ratio Lower Upper
 180 100
 182 90.6 74.5 111.7
 184 29.2 23.4 35.2
 145 37.2 27.0 40.4

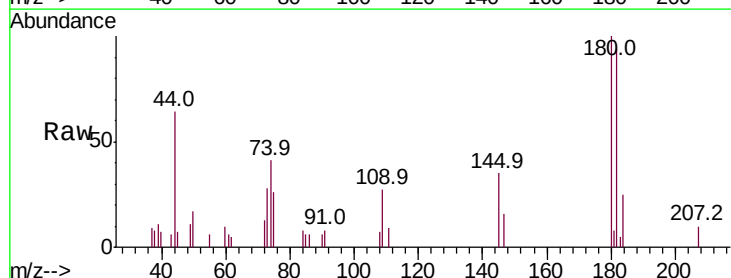


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

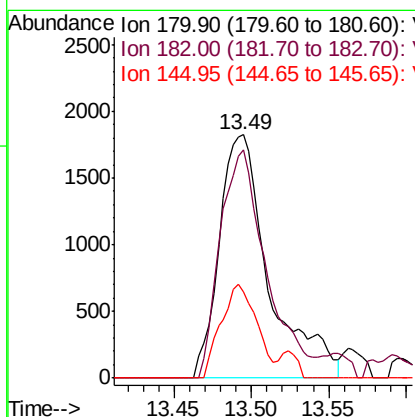
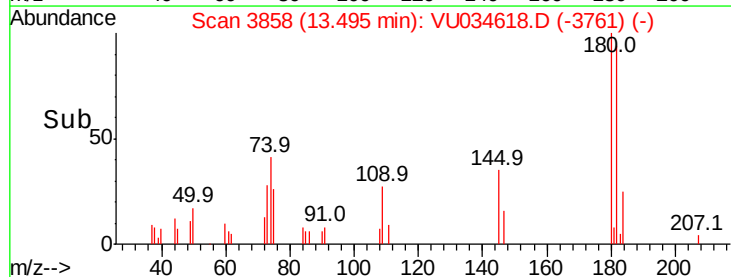


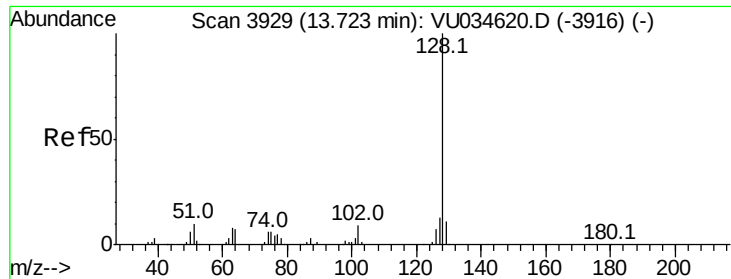
#68
 1,2,4-trichlorobenzene
 Concen: 0.395 ug/L
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.01 min
 Lab File: VU034618.D
 Acq: 17 Sep 2019 16:24

Tgt Ion:180 Resp: 4076
 Ion Ratio Lower Upper
 180 100
 182 86.6 76.9 115.3
 145 27.6 26.2 39.4



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: 0.374 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. 0.01 min

Lab File: VU034618.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

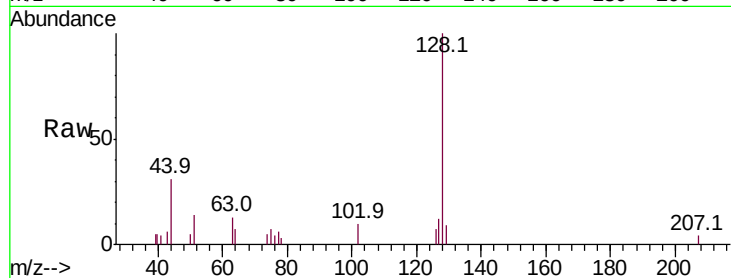
Tot Ion:128 Resp: 8554

Ion Ratio Lower Upper

128 100

129 8.4 9.2 13.8#

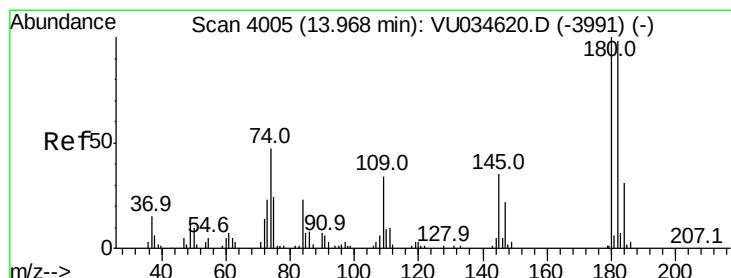
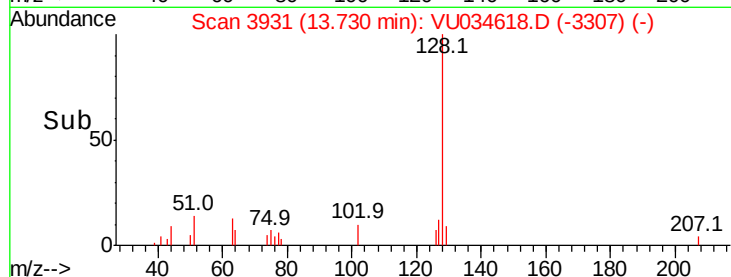
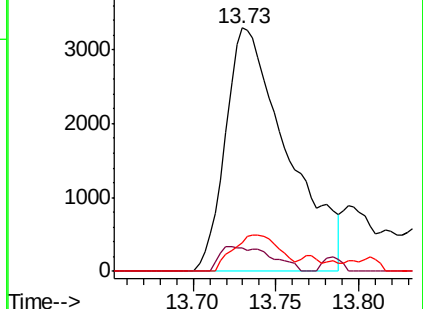
127 11.2 10.7 16.1



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: 0.368 ug/L

RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU034618.D

Acq: 17 Sep 2019 16:24

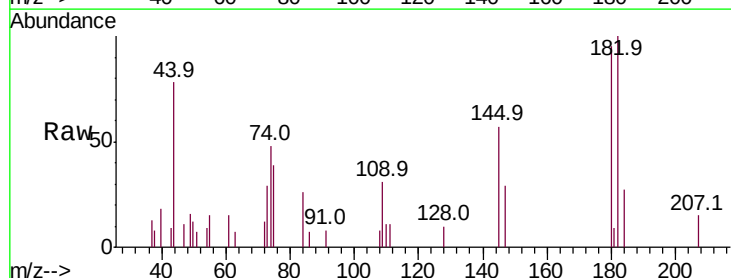
Tgt Ion:180 Resp: 3645

Ion Ratio Lower Upper

180 100

182 97.2 76.6 114.8

145 43.6 28.9 43.3#



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

