

Data File : VU034862.D
Acq On : 26 Sep 2019 23:41
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

Quant Time: Sep 27 07:22:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 27 05:10:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	86370	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	82982	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	41203	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	31540	4.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.80%
7) Chloroethane-d5	1.67	69	26155	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.80%
11) 1,1-Dichloroethene-d2	2.26	63	59258	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.60%
20) 2-Butanone-d5	4.17	46	93320	55.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.48%
24) Chloroform-d	4.62	84	43052	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.20%
26) 1,2-Dichloroethane-d4	5.29	65	25798	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
32) Benzene-d6	5.31	84	96849	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
36) 1,2-Dichloropropane-d6	6.31	67	32965	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.40%
41) Toluene-d8	7.54	98	90767	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
43) trans-1,3-Dichloropropene-	7.83	79	11437	3.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.80%
46) 2-Hexanone-d5	8.30	63	68396	50.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.96%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	27193	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	11.84	152	31104	4.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	29102	4.449 ug/L	95
3) Chloromethane	1.32	50	32729	5.307 ug/L	100
5) Vinyl chloride	1.40	62	32253	4.992 ug/L	100
6) Bromomethane	1.62	94	20238	6.283 ug/L	91
8) Chloroethane	1.69	64	19491	5.175 ug/L	98
9) Trichlorofluoromethane	1.87	101	44443	5.190 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	25965	5.397 ug/L #	88
12) 1,1-Dichloroethene	2.27	96	22983	5.395 ug/L	91
13) Acetone	2.32	43	78194	59.907 ug/L	99
14) Carbon disulfide	2.46	76	53973	4.942 ug/L	98
15) Methyl Acetate	2.61	43	18779	5.895 ug/L	97
16) Methylene chloride	2.68	84	29564	5.217 ug/L	94
17) Methyl tert-butyl Ether	2.99	73	83382	5.590 ug/L	99
18) trans-1,2-Dichloroethene	2.96	96	23873	5.393 ug/L	95
19) 1,1-Dichloroethane	3.42	63	52410	4.850 ug/L	97
21) 2-Butanone	4.26	43	119077	63.371 ug/L	98
22) cis-1,2-Dichloroethene	4.20	96	27547	4.652 ug/L	100

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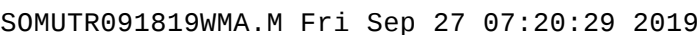
Quant Time: Sep 27 07:22:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091819WMA.M
Quant Title : TRACE VOA SOM01.0
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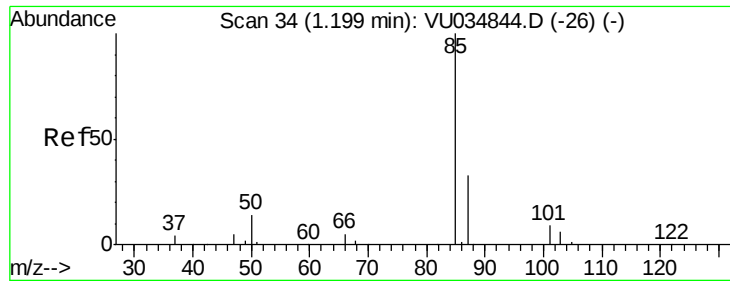
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.52	128	11449	5.246	ug/L #	86
25) Chloroform	4.65	83	55559	4.597	ug/L	96
27) 1,2-Dichloroethane	5.38	62	33991	4.888	ug/L	96
29) 1,1,1-Trichloroethane	4.89	97	39343	4.497	ug/L	98
30) Cyclohexane	4.96	56	42696	4.643	ug/L	96
31) Carbon tetrachloride	5.11	117	32474	4.562	ug/L	100
33) Benzene	5.37	78	107038	4.771	ug/L	100
34) Trichloroethene	6.16	95	27278	4.877	ug/L	97
35) Methylcyclohexane	6.39	83	39732	4.398	ug/L	99
37) 1,2-Dichloropropane	6.41	63	32795	4.734	ug/L	100
38) Bromodichloromethane	6.74	83	35871	4.327	ug/L	94
39) cis-1,3-Dichloropropene	7.25	75	43354	4.445	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	299457	57.354	ug/L	98
42) Toluene	7.61	91	114953	4.741	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	34381	4.345	ug/L	99
45) 1,1,2-Trichloroethane	8.04	97	21917	4.974	ug/L	95
47) Tetrachloroethene	8.21	164	19175	5.655	ug/L	94
48) 2-Hexanone	8.34	43	213191	60.755	ug/L	93
49) Dibromochloromethane	8.46	129	23745	4.595	ug/L	94
50) 1,2-Dibromoethane	8.57	107	20013	4.982	ug/L	94
51) Chlorobenzene	9.10	112	73911	4.863	ug/L	96
52) Ethylbenzene	9.23	91	130520	4.656	ug/L	99
53) m,p-Xylene	9.35	106	46842	4.712	ug/L	95
54) o-Xylene	9.76	106	47789	4.785	ug/L	98
55) Styrene	9.77	104	80482	4.852	ug/L	91
56) Isopropylbenzene	10.14	105	130474	4.703	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.44	83	32552	5.004	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	22945	5.070	ug/L	100
61) Bromoform	9.94	173	12925	4.749	ug/L #	96
62) 1,3-Dichlorobenzene	11.39	146	59574	4.925	ug/L	97
63) 1,4-Dichlorobenzene	11.48	146	59043	4.890	ug/L	94
65) 1,2-Dichlorobenzene	11.85	146	57950	4.895	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.63	75	4685	4.370	ug/L	93
67) 1,3,5-Trichlorobenzene	12.86	180	42083	5.323	ug/L	98
68) 1,2,4-trichlorobenzene	13.48	180	34977	5.548	ug/L	99
69) Naphthalene	13.72	128	71568	4.662	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	33251	5.631	ug/L	96

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

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#2

Dichlorodifluoromethane

Concen: 4.449 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034862.D

Acq: 26 Sep 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

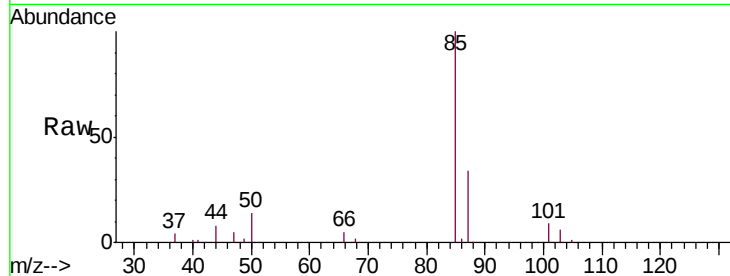
VSTD00523

Tgt Ion: 85 Resp: 29102

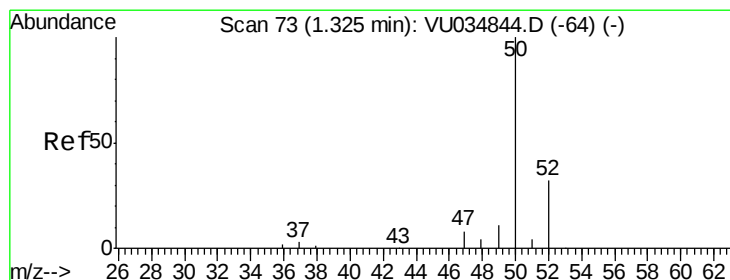
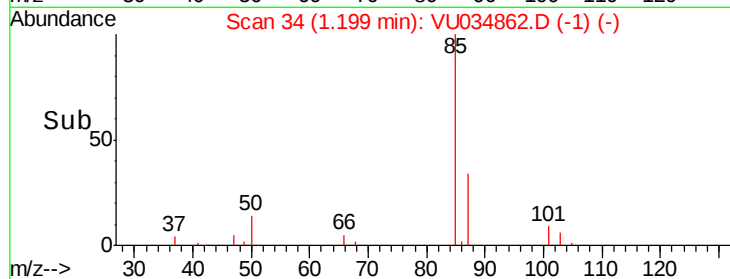
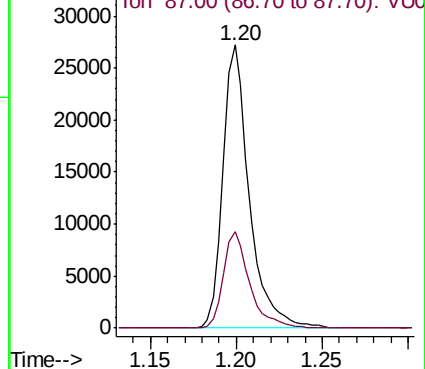
Ion Ratio Lower Upper

85 100

87 33.8 25.0 37.4



Abundance Ion 85.00 (84.70 to 85.70): VU034844.D (-26) (-)



#3

Chloromethane

Concen: 5.307 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034862.D

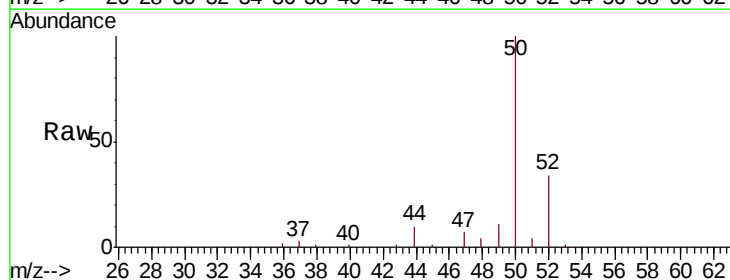
Acq: 26 Sep 2019 23:41

Tgt Ion: 50 Resp: 32729

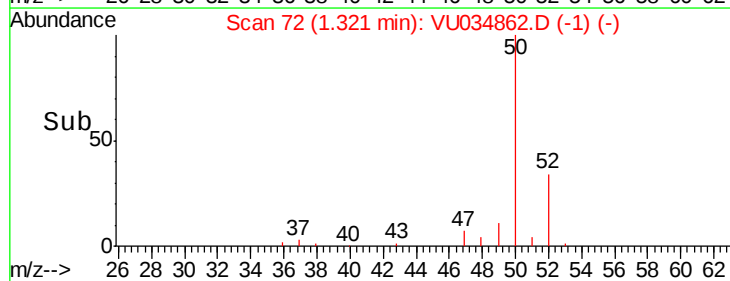
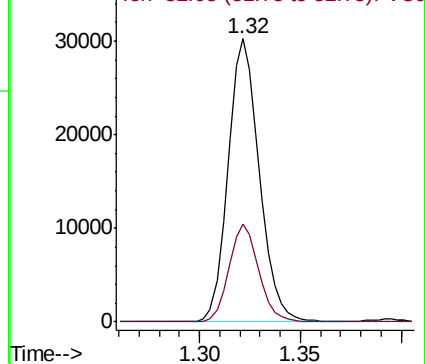
Ion Ratio Lower Upper

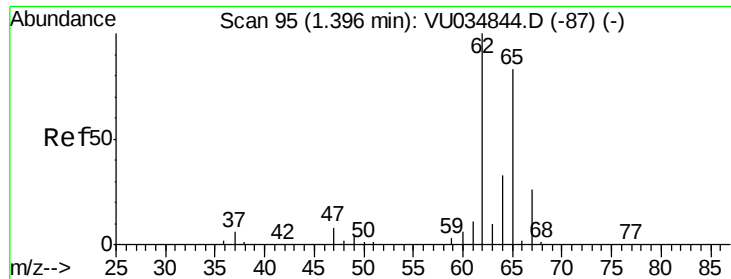
50 100

52 34.3 23.9 44.3



Abundance Ion 50.05 (49.75 to 50.75): VU034844.D (-64) (-)





#5

Vinyl chloride

Concen: 4.992 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034862.D

Acq: 26 Sep 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

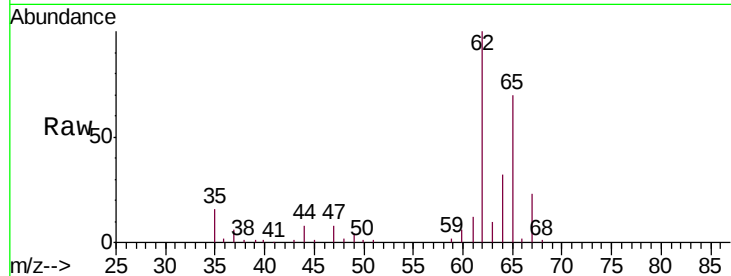
VSTD00523

Tgt Ion: 62 Resp: 32253

Ion Ratio Lower Upper

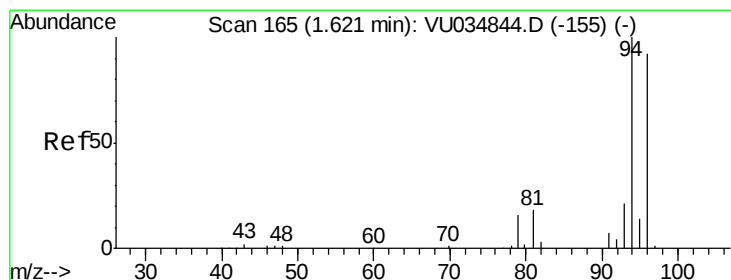
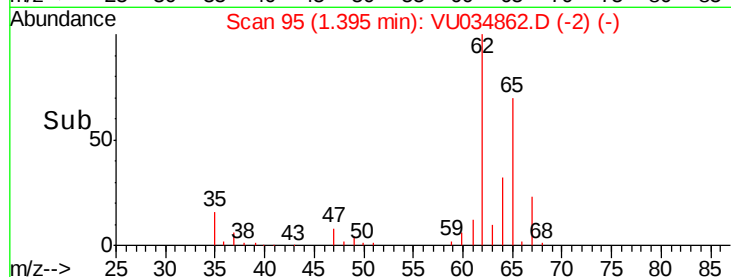
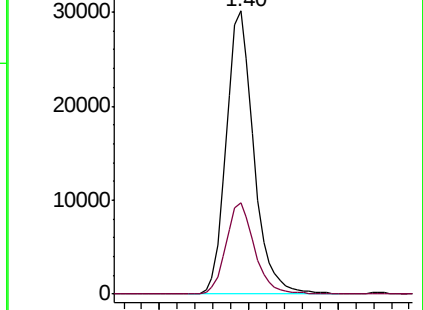
62 100

64 32.4 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU034844.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU034844.D (-87) (-)



#6

Bromomethane

Concen: 6.283 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU034862.D

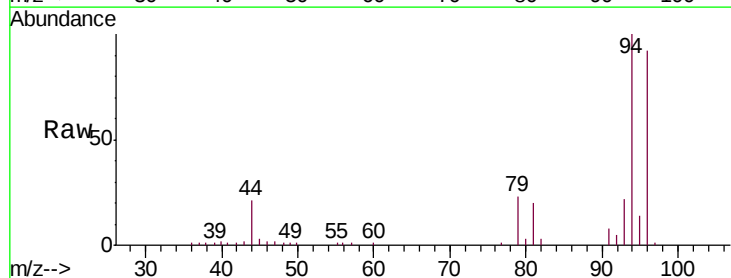
Acq: 26 Sep 2019 23:41

Tgt Ion: 94 Resp: 20238

Ion Ratio Lower Upper

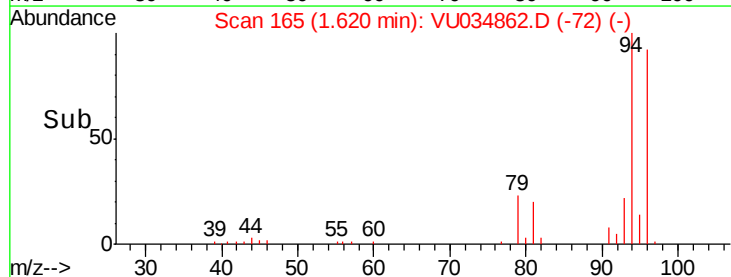
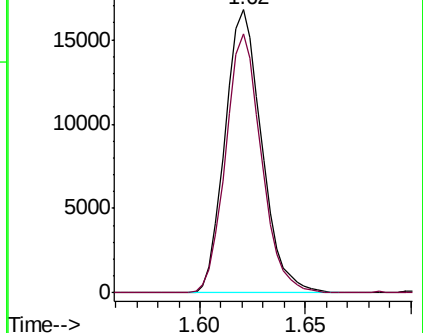
94 100

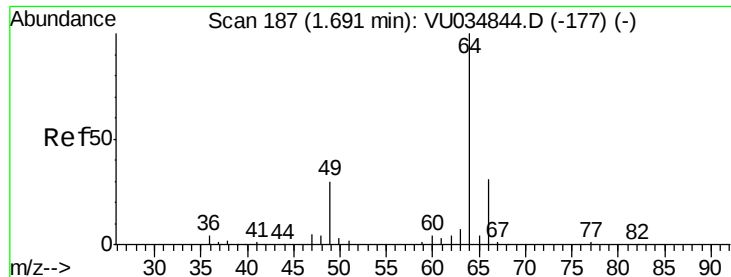
96 91.7 70.4 130.8



Abundance Ion 94.00 (93.70 to 94.70): VU034844.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU034844.D (-155) (-)





#8

Chloroethane

Concen: 5.175 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU034862.D

Acq: 26 Sep 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

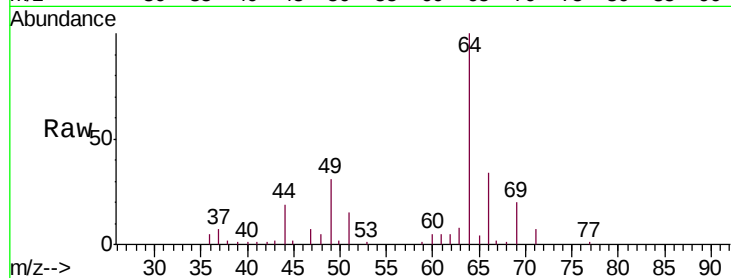
VSTD00523

Tgt Ion: 64 Resp: 19491

Ion Ratio Lower Upper

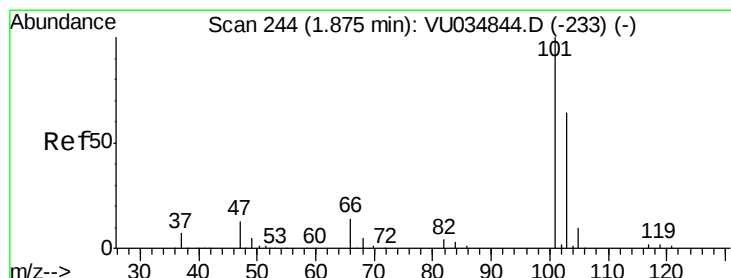
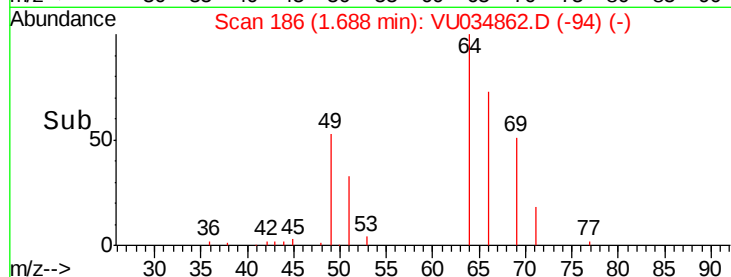
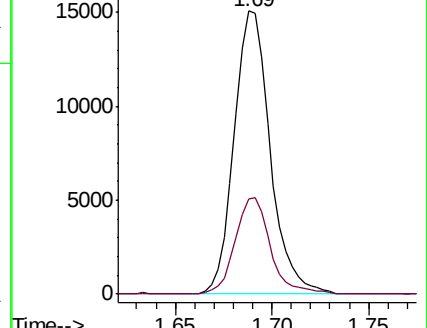
64 100

66 33.6 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VU034844.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU034844.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 5.190 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU034862.D

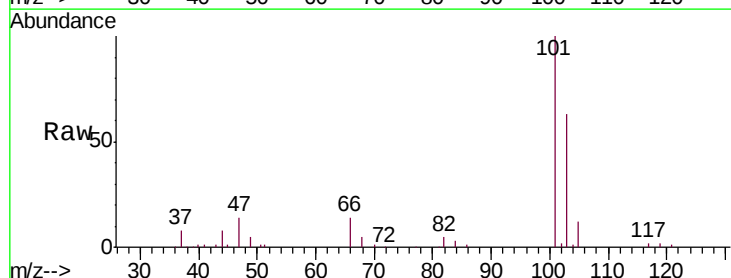
Acq: 26 Sep 2019 23:41

Tgt Ion: 101 Resp: 44443

Ion Ratio Lower Upper

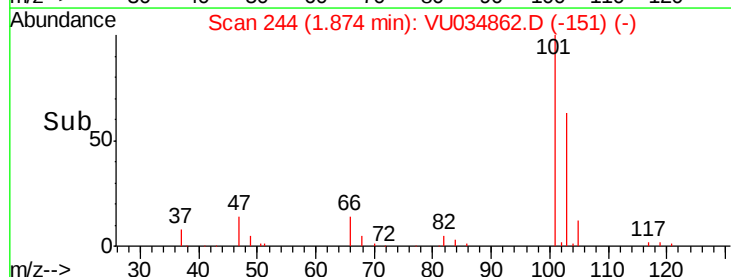
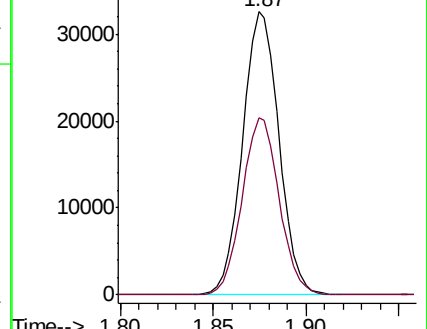
101 100

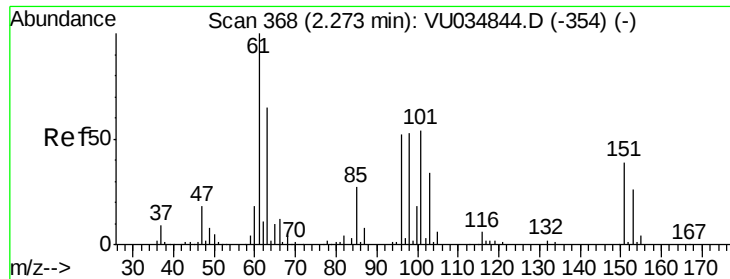
103 63.7 53.2 79.8



Abundance Ion 101.00 (100.70 to 101.70): VU034844.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU034844.D (-233) (-)





#10

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

Concen: 5.397 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034862.D

Acq: 26 Sep 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

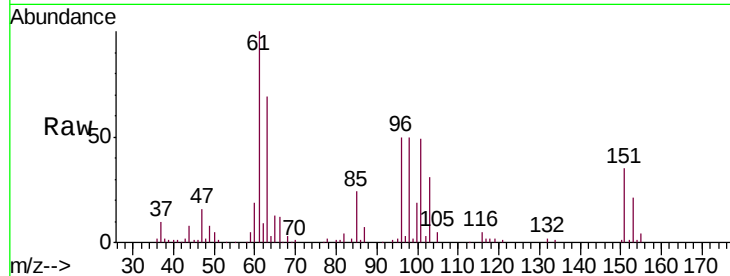
Tgt Ion:101 Resp: 25965

Ion Ratio Lower Upper

101 100

85 48.9 41.9 62.9

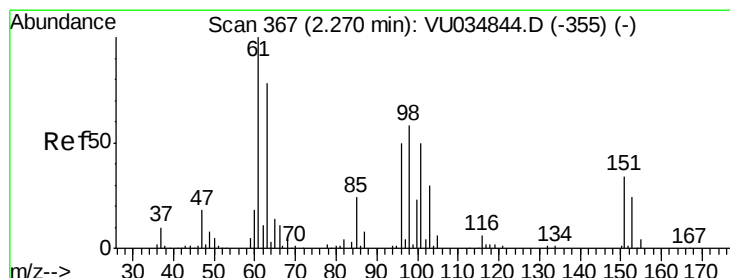
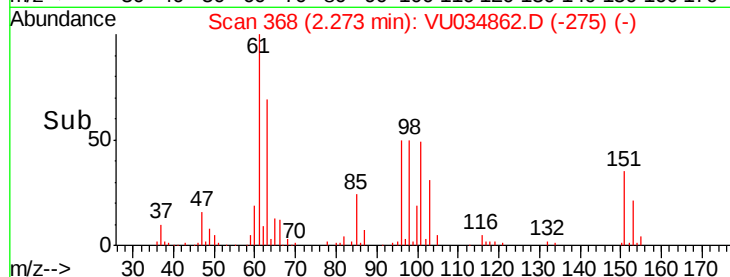
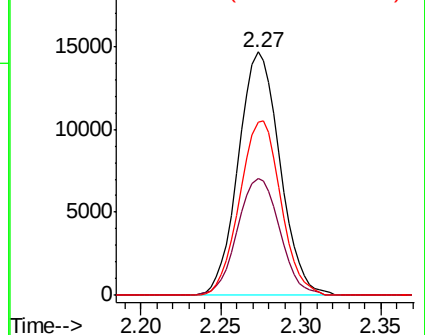
151 70.9 46.4 69.6#



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: 5.395 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034862.D

Acq: 26 Sep 2019 23:41

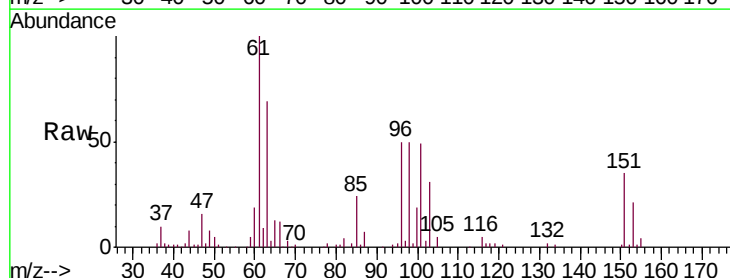
Tgt Ion: 96 Resp: 22983

Ion Ratio Lower Upper

96 100

61 200.9 144.4 268.2

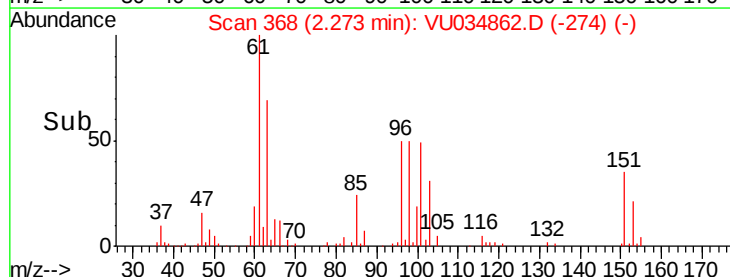
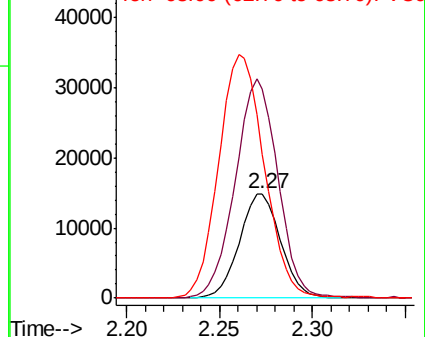
63 137.9 111.5 207.1

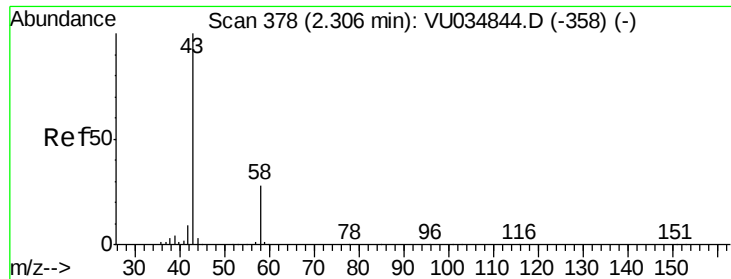


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 59.907 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VU034862.D

Acq: 26 Sep 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

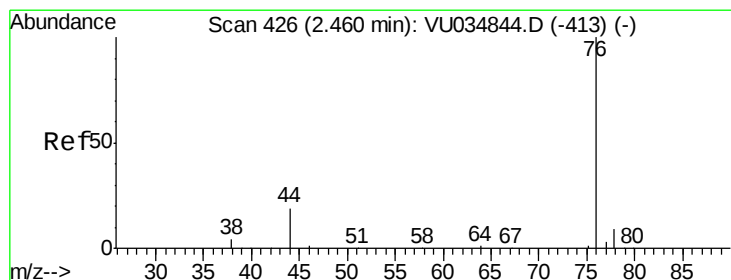
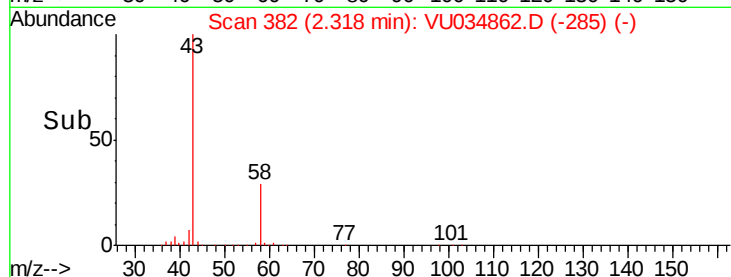
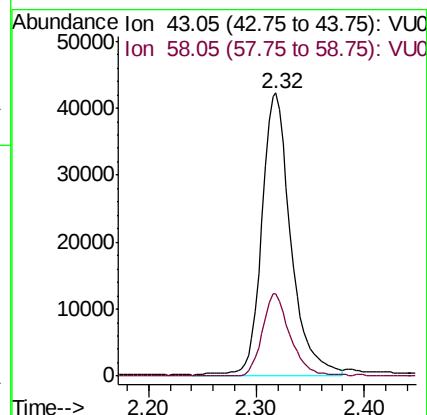
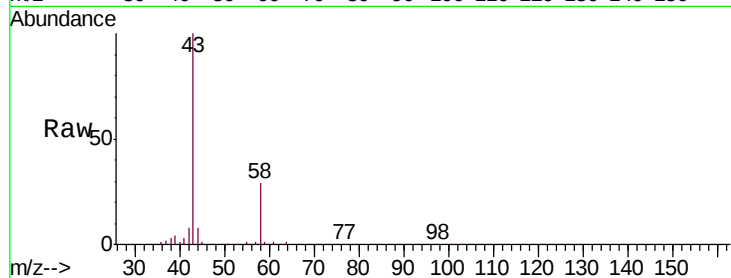
VSTD00523

Tgt Ion: 43 Resp: 78194

Ion Ratio Lower Upper

43 100

58 28.3 0.0 57.8



#14

Carbon disulfide

Concen: 4.942 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034862.D

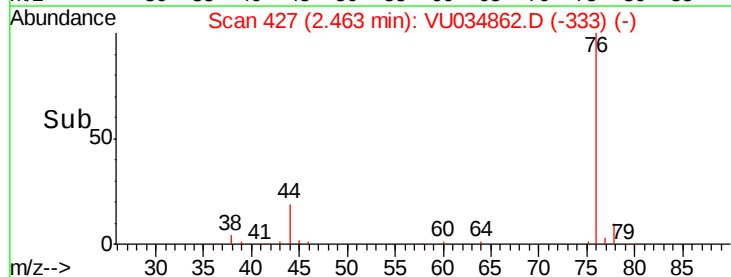
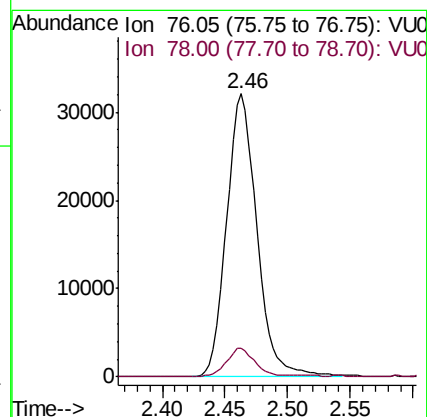
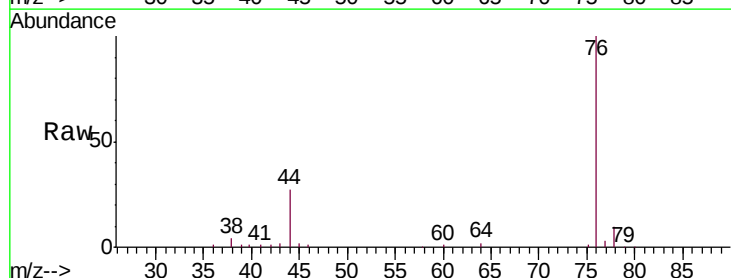
Acq: 26 Sep 2019 23:41

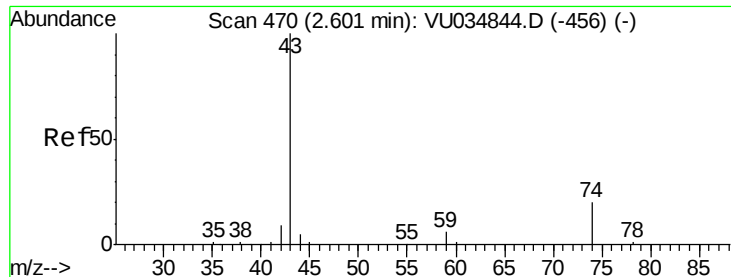
Tgt Ion: 76 Resp: 53973

Ion Ratio Lower Upper

76 100

78 10.2 7.7 11.5





#15

Methyl Acetate

Concen: 5.895 ug/L

RT: 2.61 min Scan# 472

Delta R.T. 0.01 min

Lab File: VU034862.D

Acq: 26 Sep 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

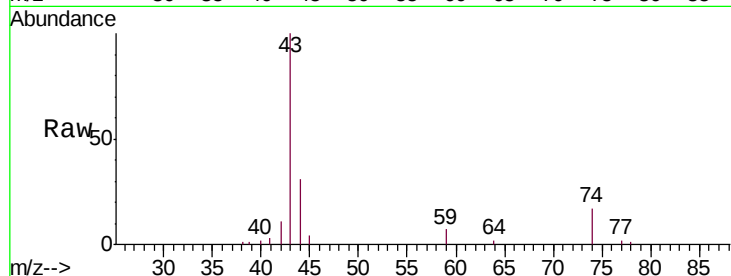
VSTD00523

Tgt Ion: 43 Resp: 18779

Ion Ratio Lower Upper

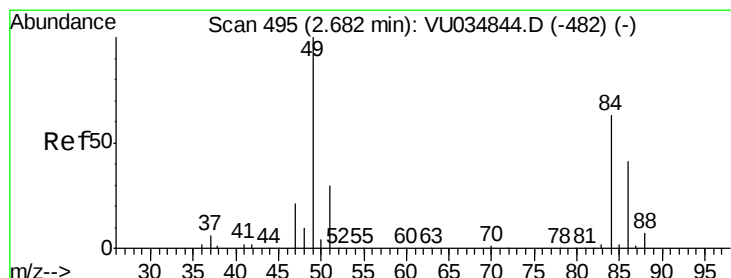
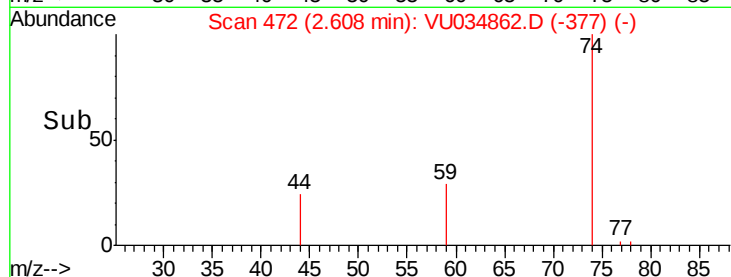
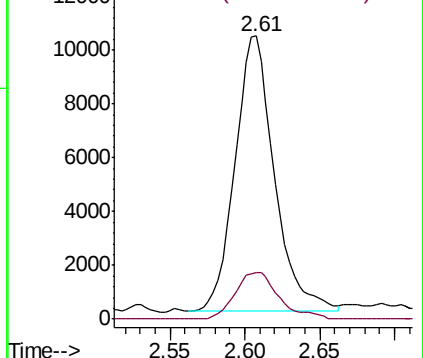
43 100

74 19.0 14.2 21.2



Abundance Ion 43.05 (42.75 to 43.75): VU034844.D (-456) (-)

Ion 74.05 (73.75 to 74.75): VU034844.D (-456) (-)



#16

Methylene chloride

Concen: 5.217 ug/L

RT: 2.68 min Scan# 495

Delta R.T. -0.00 min

Lab File: VU034862.D

Acq: 26 Sep 2019 23:41

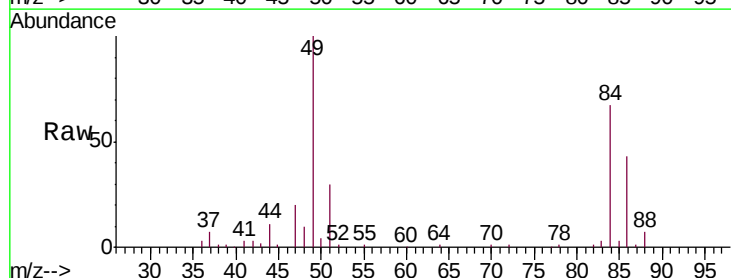
Tgt Ion: 84 Resp: 29564

Ion Ratio Lower Upper

84 100

86 63.8 43.0 80.0

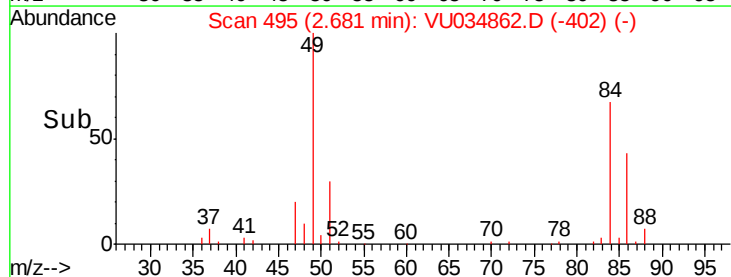
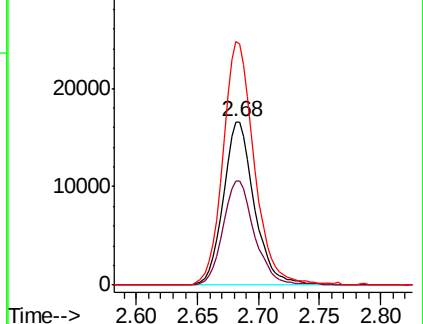
49 149.3 110.9 205.9

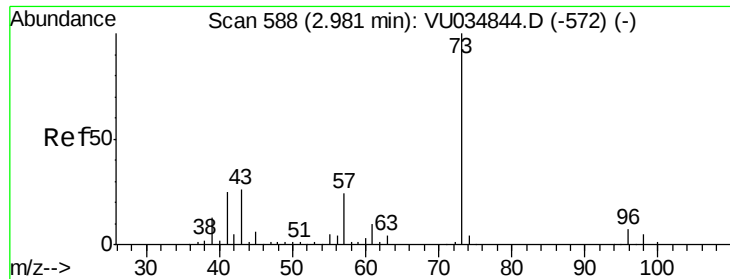


Abundance Ion 84.05 (83.75 to 84.75): VU034844.D (-482) (-)

Ion 86.00 (85.70 to 86.70): VU034844.D (-482) (-)

Ion 49.10 (48.80 to 49.80): VU034844.D (-482) (-)

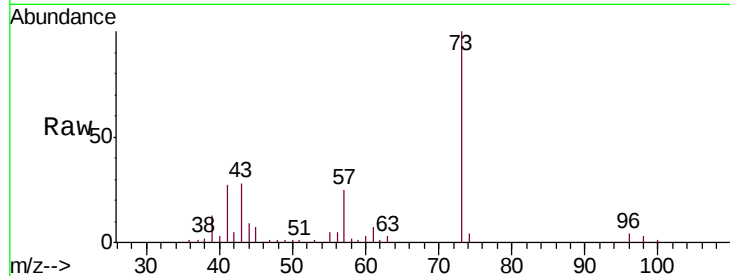




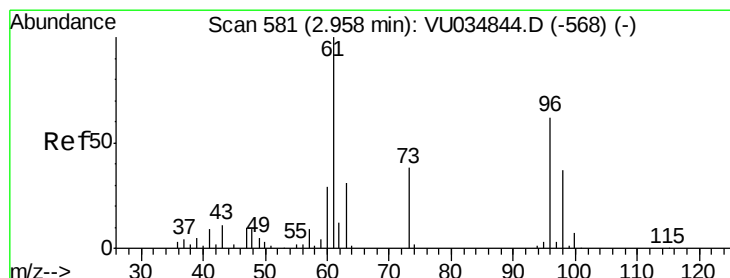
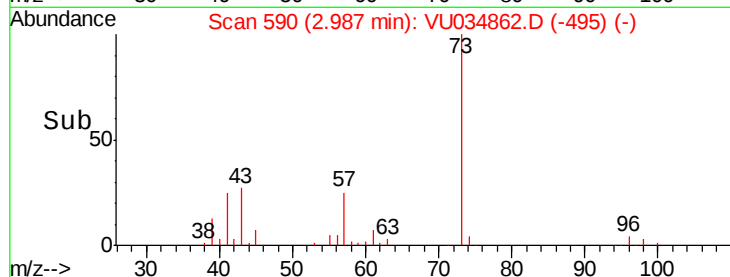
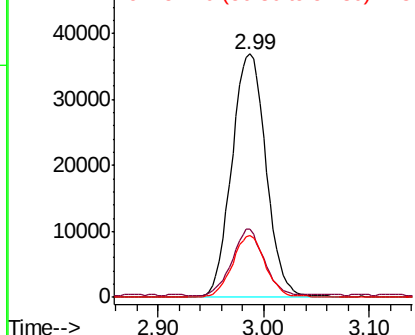
#17
Methyl tert-butyl Ether
Concen: 5.590 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.01 min
Lab File: VU034862.D
Acq: 26 Sep 2019 23:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

Tgt Ion: 73 Resp: 83382
Ion Ratio Lower Upper
73 100
43 25.5 20.3 30.5
57 24.3 18.9 28.3

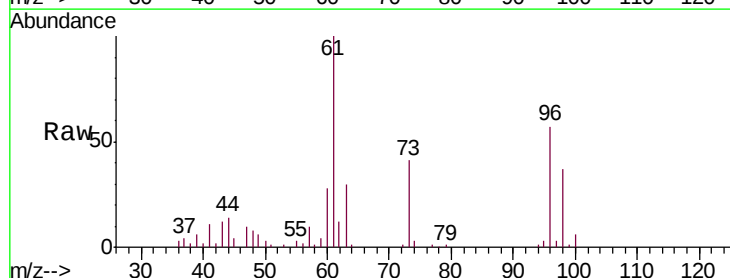


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

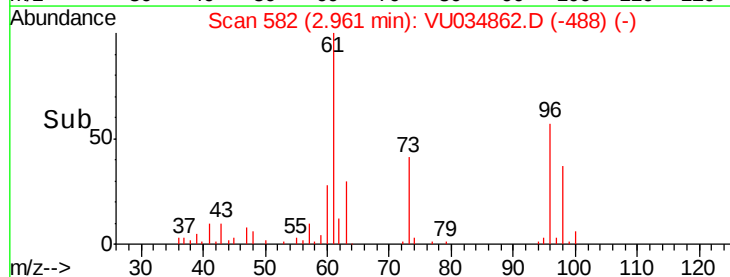
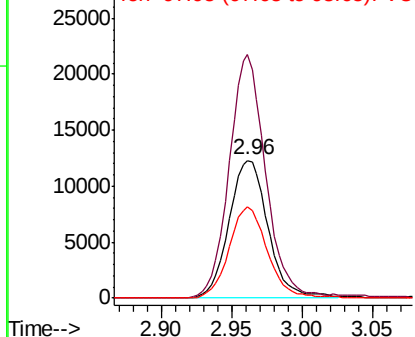


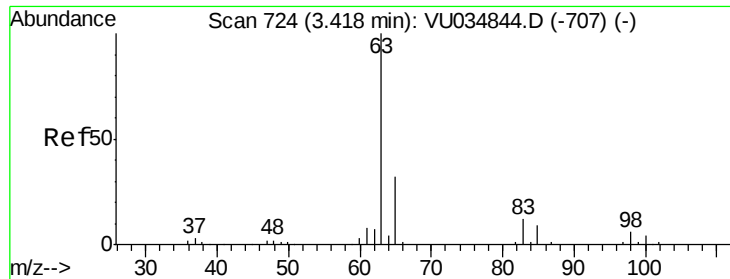
#18
trans-1,2-Dichloroethene
Concen: 5.393 ug/L
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU034862.D
Acq: 26 Sep 2019 23:41

Tgt Ion: 96 Resp: 23873
Ion Ratio Lower Upper
96 100
61 176.7 118.2 219.6
98 66.2 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

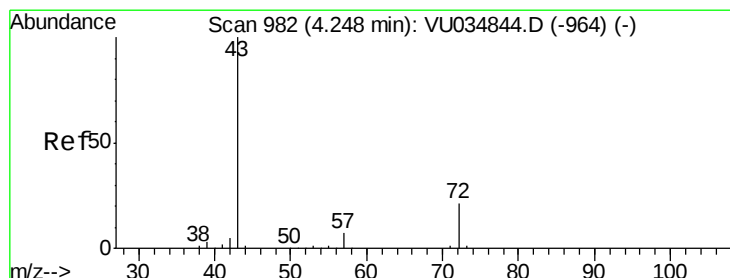
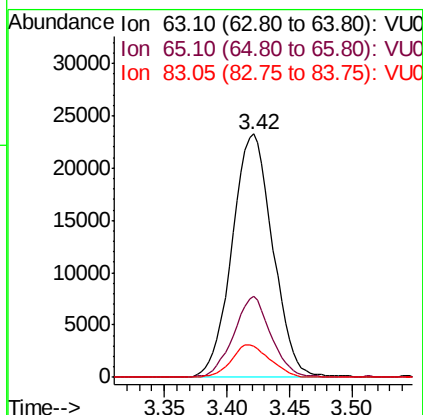
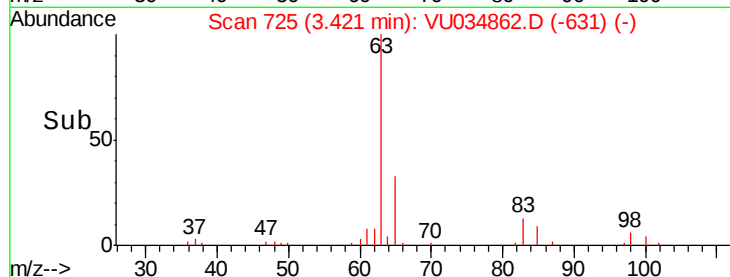
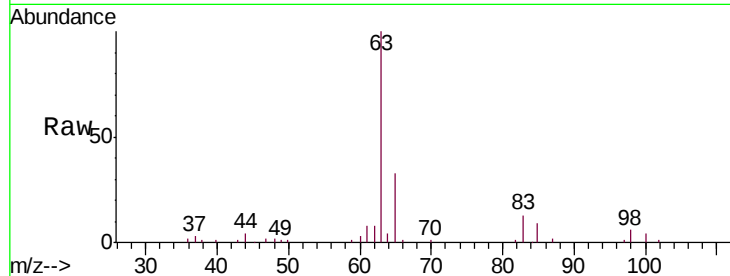




#19
 1,1-Dichloroethane
 Concen: 4.850 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU034862.D
 Acq: 26 Sep 2019 23:41

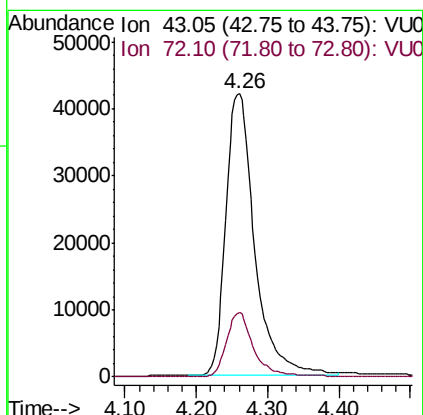
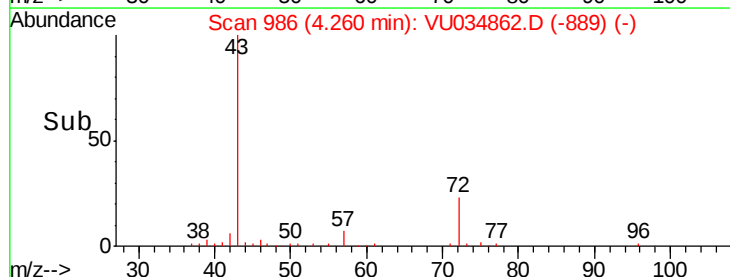
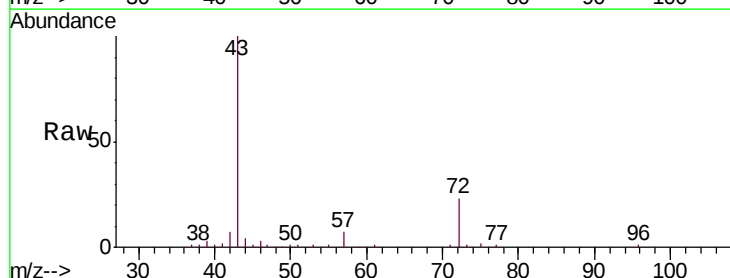
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

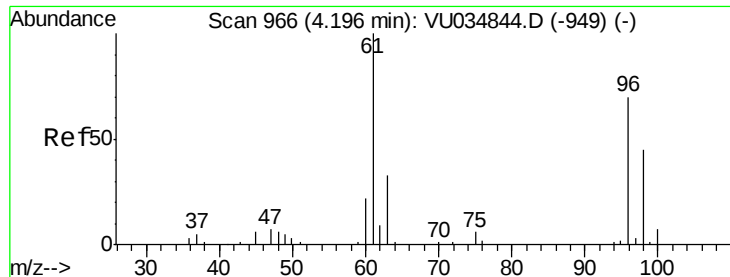
Tgt Ion: 63 Resp: 52410
 Ion Ratio Lower Upper
 63 100
 65 33.4 21.9 40.7
 83 12.8 9.4 17.6



#21
 2-Butanone
 Concen: 63.371 ug/L
 RT: 4.26 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VU034862.D
 Acq: 26 Sep 2019 23:41

Tgt Ion: 43 Resp: 119077
 Ion Ratio Lower Upper
 43 100
 72 20.7 10.8 32.3





#22

cis-1,2-Dichloroethene

Concen: 4.652 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU034862.D

Acq: 26 Sep 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

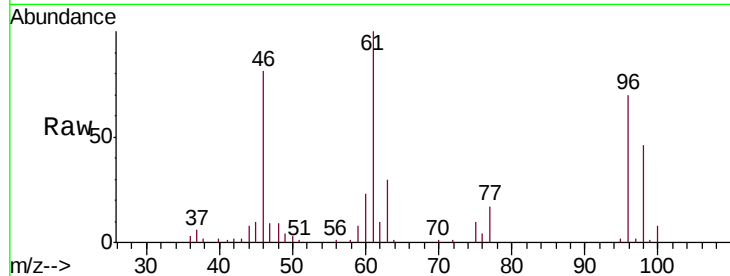
Tgt Ion: 96 Resp: 27547

Ion Ratio Lower Upper

96 100

61 142.5 100.0 185.8

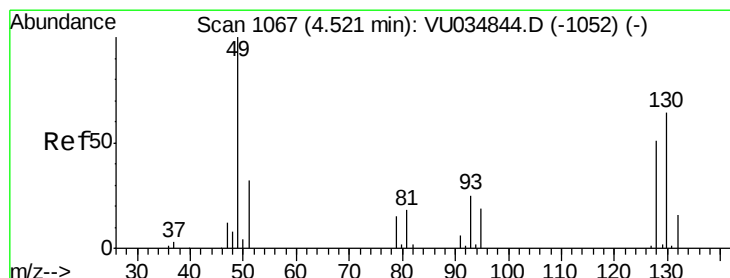
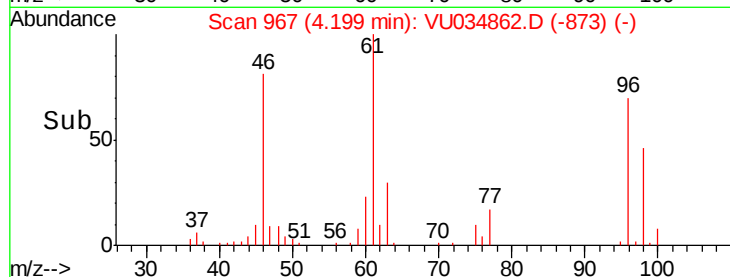
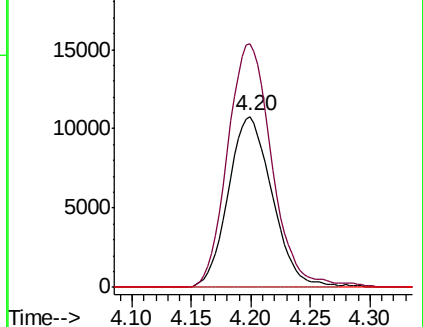
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU034862.D (-967) (-)

Ion 61.05 (60.75 to 61.75): VU034862.D (-967) (-)

Ion 68.15 (67.85 to 68.85): VU034862.D (-967) (-)



#23

Bromochloromethane

Concen: 5.246 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU034862.D

Acq: 26 Sep 2019 23:41

Tgt Ion: 128 Resp: 11449

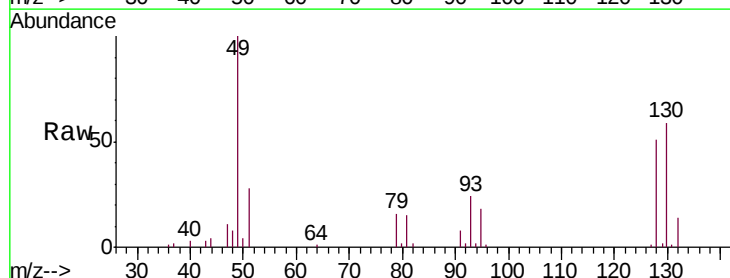
Ion Ratio Lower Upper

128 100

49 194.3 149.9 278.3

130 113.9 91.3 169.6

51 55.1 55.7 83.5#

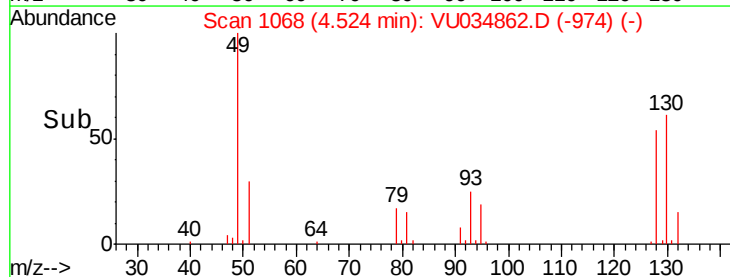
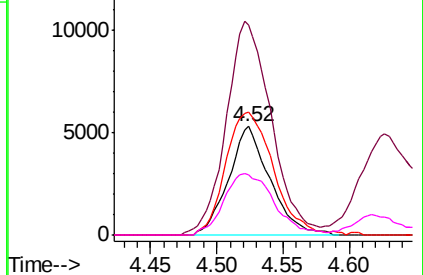


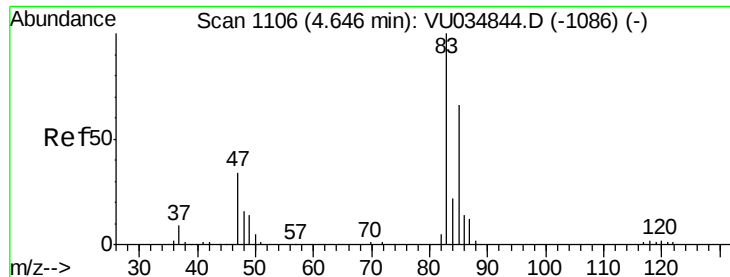
Abundance Ion 127.90 (127.60 to 128.60): VU034862.D (-1068) (-)

Ion 49.10 (48.80 to 49.80): VU034862.D (-1068) (-)

Ion 129.95 (129.65 to 130.65): VU034862.D (-1068) (-)

Ion 51.05 (50.75 to 51.75): VU034862.D (-1068) (-)

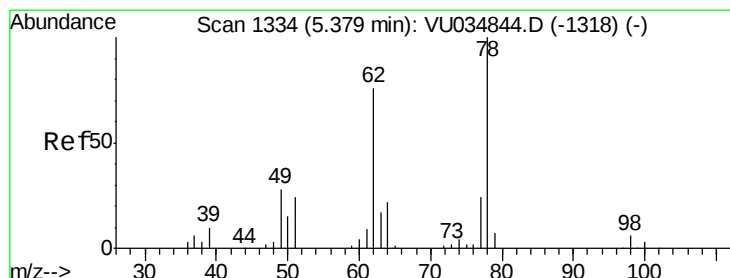
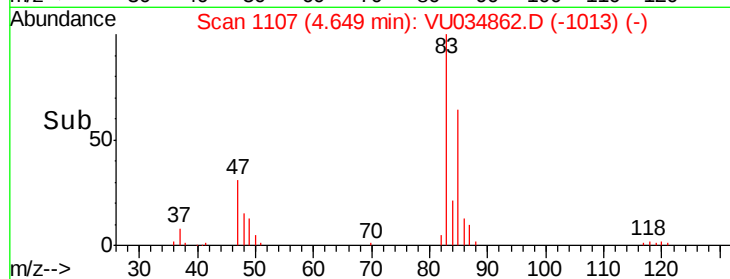
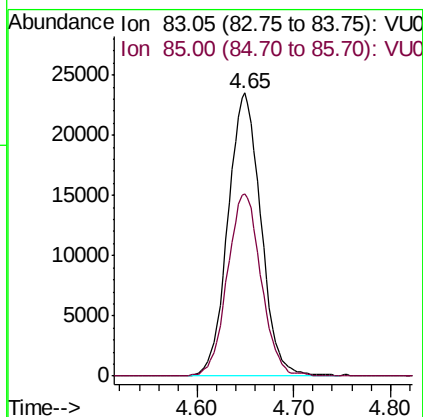
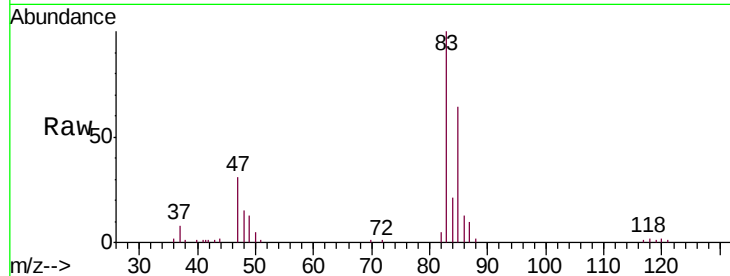




#25
Chloroform
Concen: 4.597 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034862.D
Acq: 26 Sep 2019 23:41

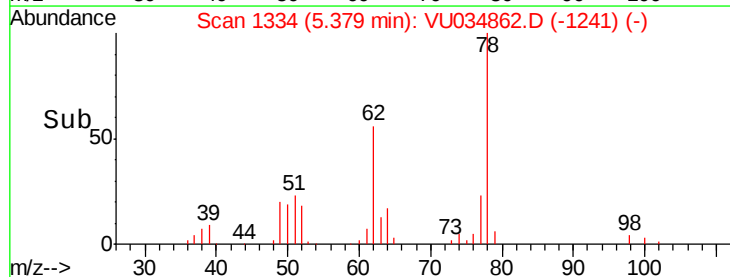
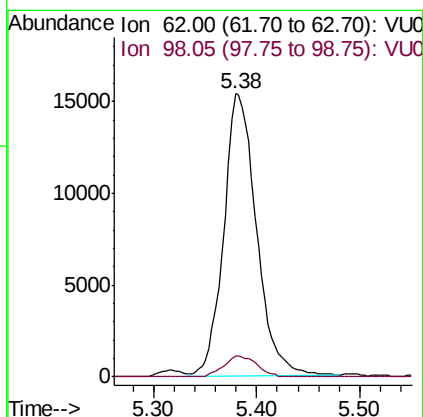
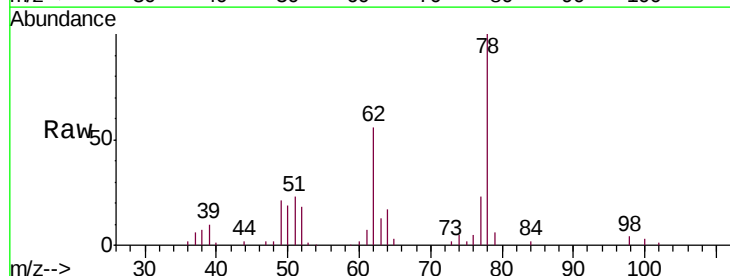
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

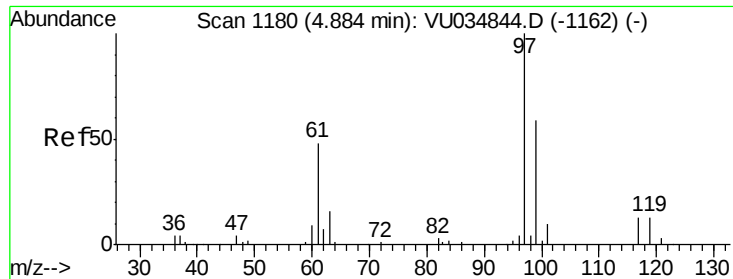
Tgt Ion: 83 Resp: 55559
Ion Ratio Lower Upper
83 100
85 64.2 42.8 79.4



#27
1,2-Dichloroethane
Concen: 4.888 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU034862.D
Acq: 26 Sep 2019 23:41

Tgt Ion: 62 Resp: 33991
Ion Ratio Lower Upper
62 100
98 7.4 7.0 10.6

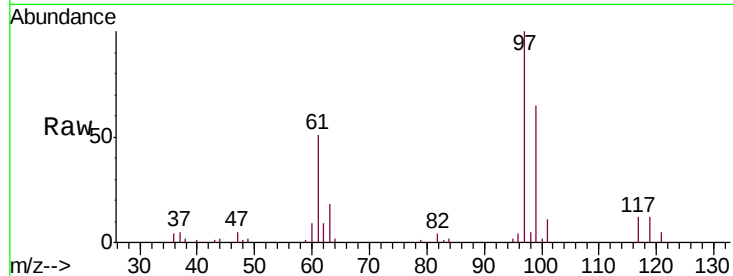




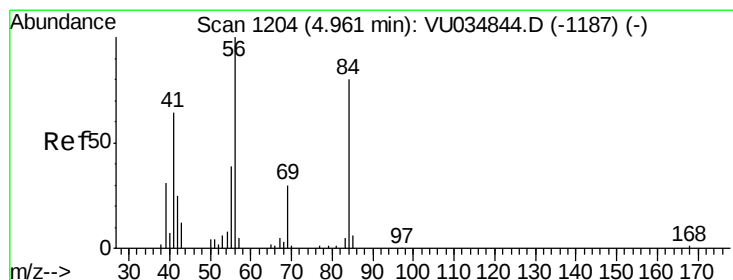
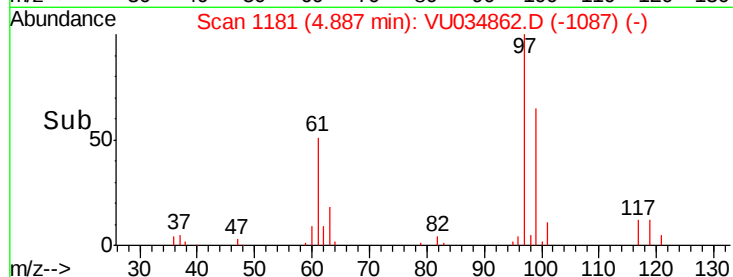
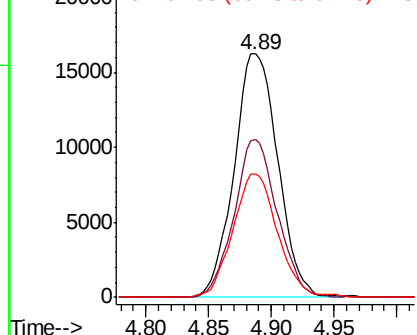
#29
1,1,1-Trichloroethane
Concen: 4.497 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU034862.D
Acq: 26 Sep 2019 23:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

Tgt Ion: 97 Resp: 39343
Ion Ratio Lower Upper
97 100
99 63.8 50.0 75.0
61 51.8 39.8 59.6

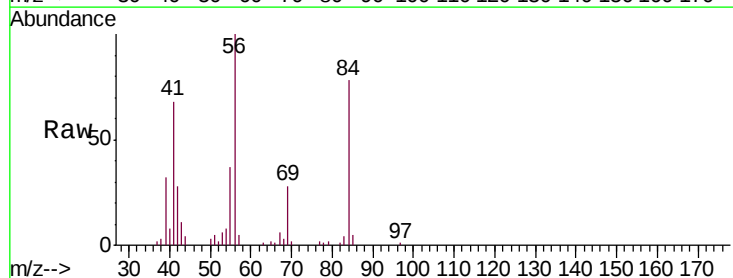


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

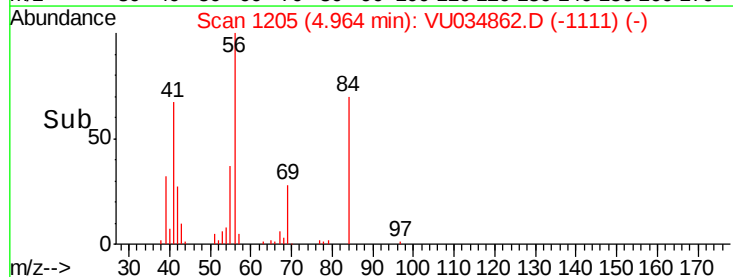
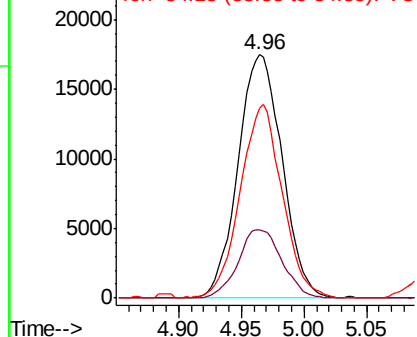


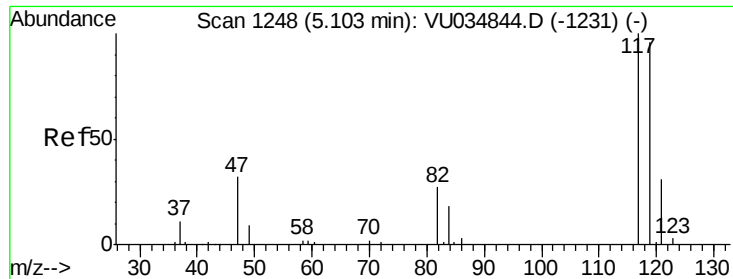
#30
Cyclohexane
Concen: 4.643 ug/L
RT: 4.96 min Scan# 1205
Delta R.T. 0.00 min
Lab File: VU034862.D
Acq: 26 Sep 2019 23:41

Tgt Ion: 56 Resp: 42696
Ion Ratio Lower Upper
56 100
69 27.9 21.4 32.2
84 76.2 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: 4.562 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU034862.D

Acq: 26 Sep 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

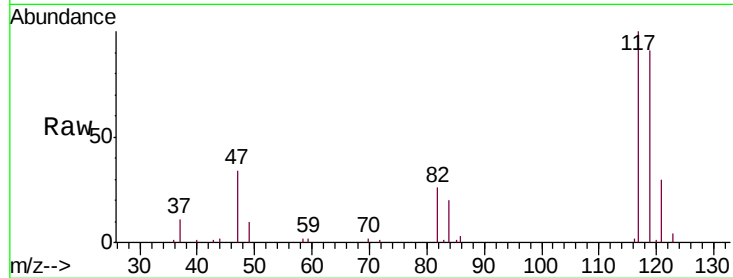
VSTD00523

Tgt Ion:117 Resp: 32474

Ion Ratio Lower Upper

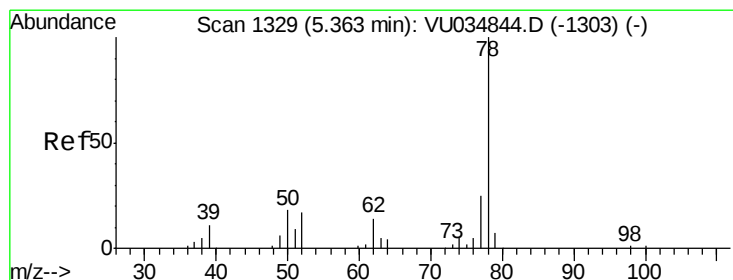
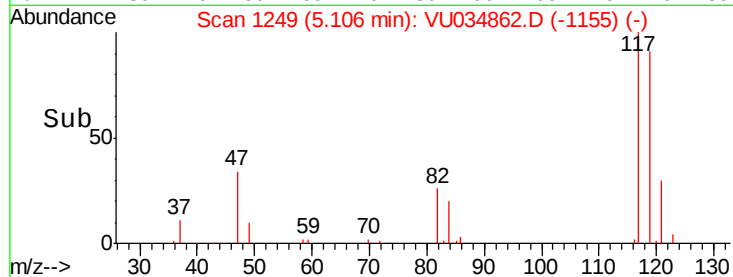
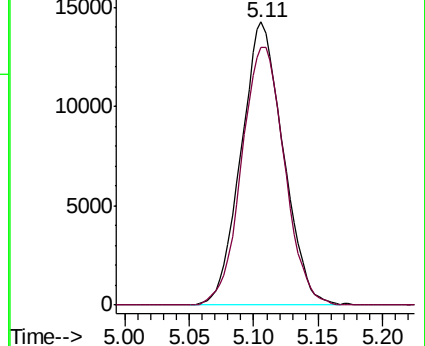
117 100

119 92.6 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: 4.771 ug/L

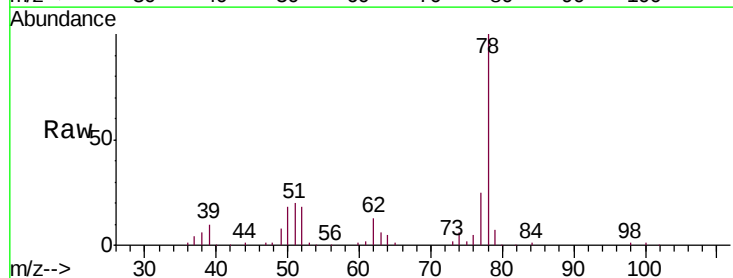
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

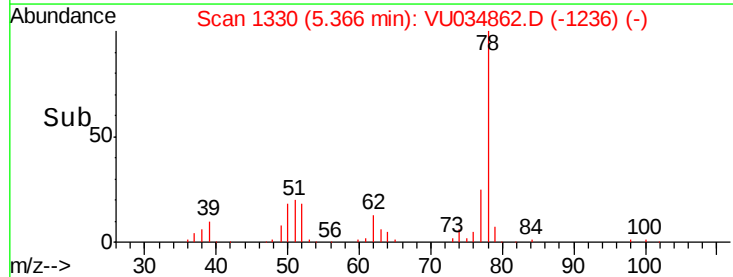
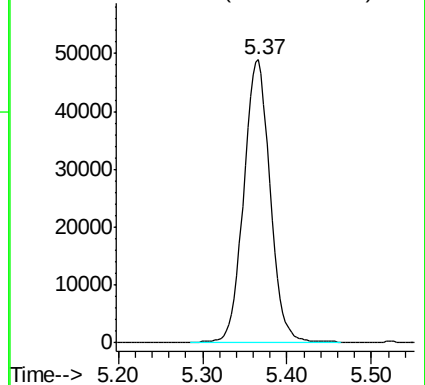
Lab File: VU034862.D

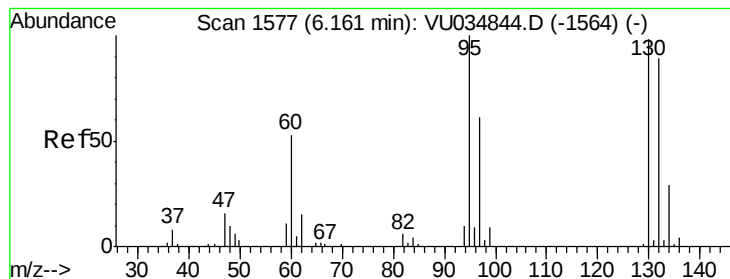
Acq: 26 Sep 2019 23:41

Tgt Ion: 78 Resp: 107038



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.877 ug/L

RT: 6.16 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VU034862.D

Acq: 26 Sep 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

Tgt Ion: 95 Resp: 27278

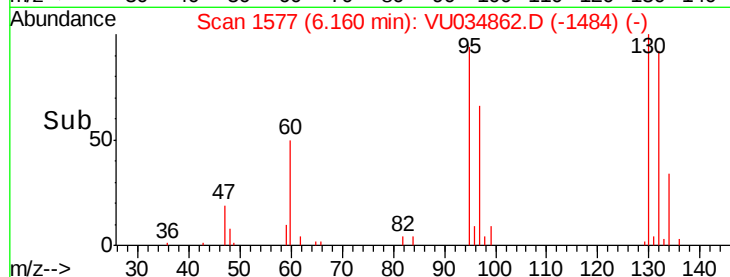
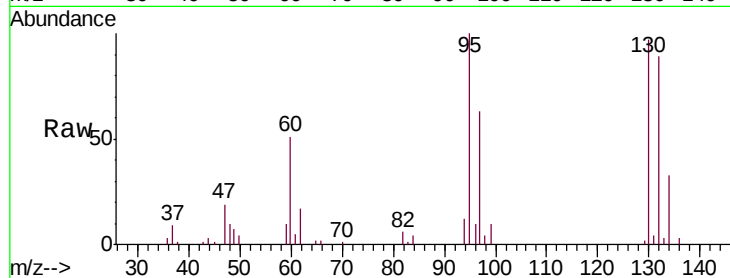
Ion Ratio Lower Upper

95 100

97 63.5 45.2 84.0

132 89.4 60.9 113.1

130 96.9 64.3 119.3

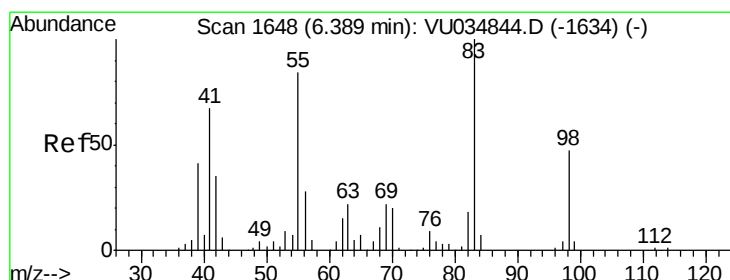
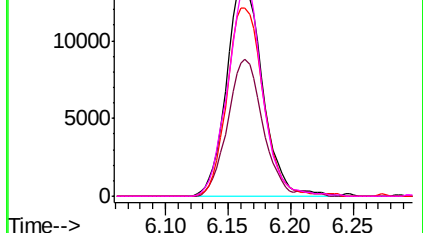


Abundance Ion 95.00 (94.70 to 95.70): VU034862.D (-1484) (-)

Ion 96.95 (96.65 to 97.65): VU034862.D (-1484) (-)

Ion 131.95 (131.65 to 132.65): VU034862.D (-1484) (-)

Ion 129.95 (129.65 to 130.65): VU034862.D (-1484) (-)



#35

Methylcyclohexane

Concen: 4.398 ug/L

RT: 6.39 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU034862.D

Acq: 26 Sep 2019 23:41

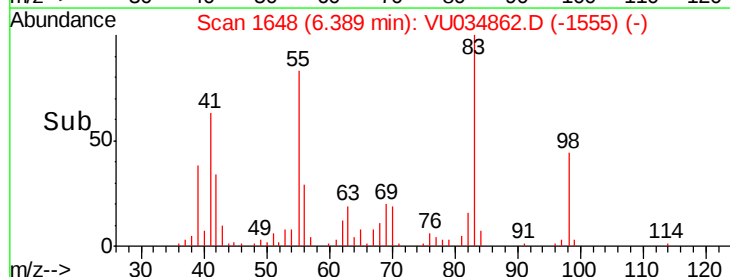
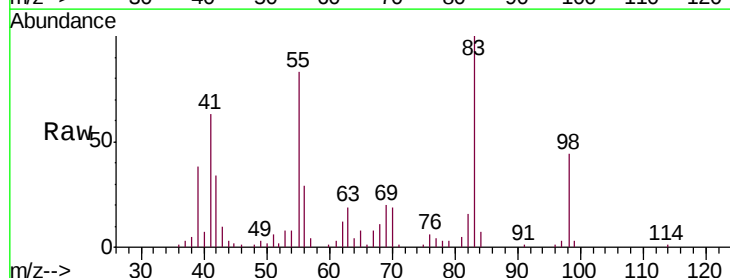
Tgt Ion: 83 Resp: 39732

Ion Ratio Lower Upper

83 100

55 84.4 66.8 100.2

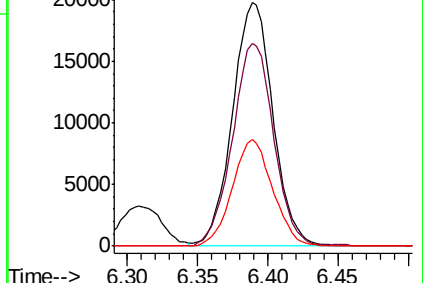
98 43.3 35.4 53.0

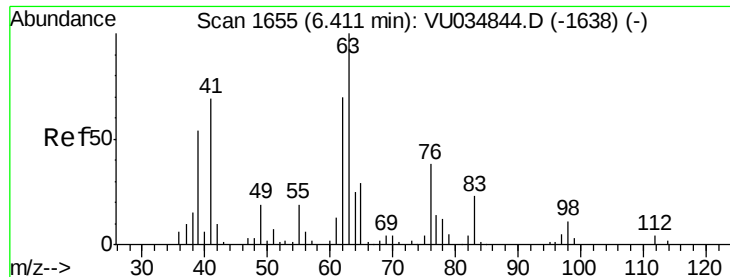


Abundance Ion 83.15 (82.85 to 83.85): VU034862.D (-1555) (-)

Ion 55.10 (54.80 to 55.80): VU034862.D (-1555) (-)

Ion 98.15 (97.85 to 98.85): VU034862.D (-1555) (-)





#37

1,2-Dichloropropane

Concen: 4.734 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU034862.D

Acq: 26 Sep 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

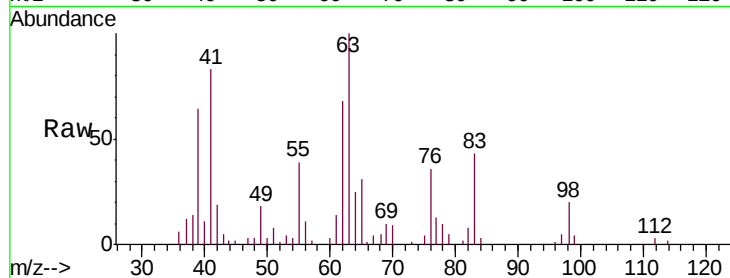
VSTD00523

Tgt Ion: 63 Resp: 32795

Ion Ratio Lower Upper

63 100

112 2.9 2.2 3.2



Abundance Ion 63.10 (62.80 to 63.80): VU034844.D (-1638) (-)

Ion 112.10 (111.80 to 112.80): VU034844.D (-1638) (-)

6.41

15000

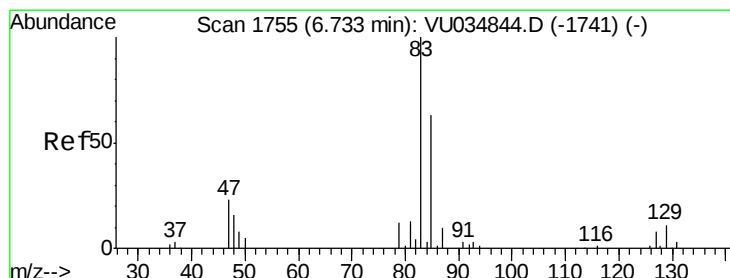
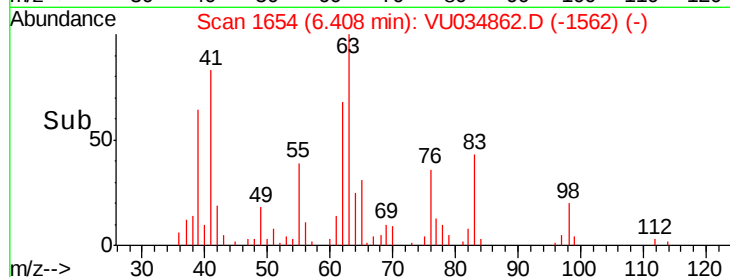
10000

5000

0

6.35 6.40 6.45 6.50

Time-->



#38

Bromodichloromethane

Concen: 4.327 ug/L

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034862.D

Acq: 26 Sep 2019 23:41

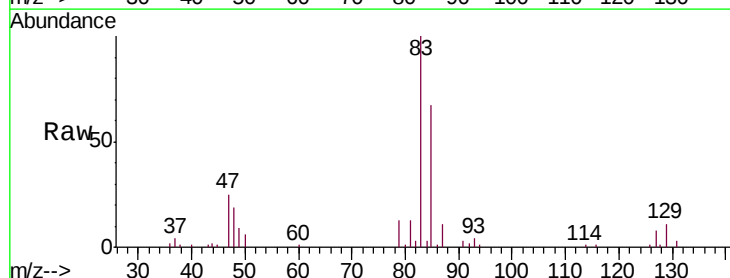
Tgt Ion: 83 Resp: 35871

Ion Ratio Lower Upper

83 100

85 66.7 43.4 80.6

127 8.3 6.2 9.2



Abundance Ion 82.95 (82.65 to 83.65): VU034844.D (-1741) (-)

Ion 85.00 (84.70 to 85.70): VU034844.D (-1741) (-)

Ion 126.90 (126.60 to 127.60): VU034844.D (-1741) (-)

6.74

25000

20000

15000

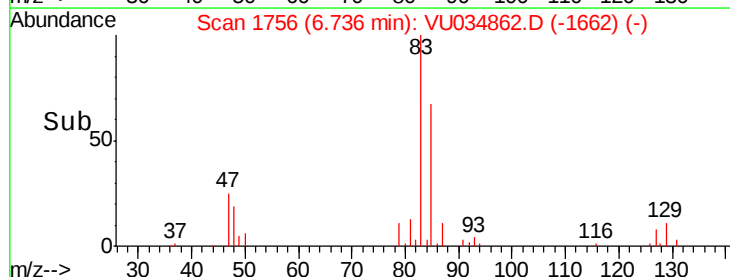
10000

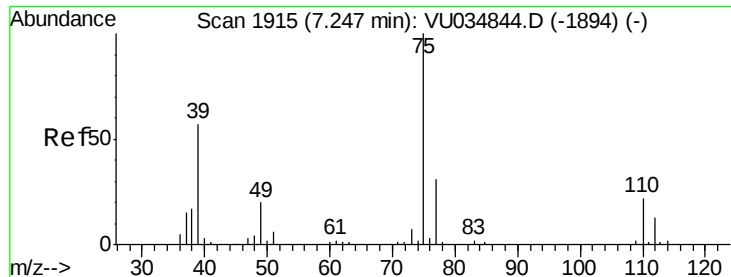
5000

0

6.65 6.70 6.75 6.80 6.85

Time-->

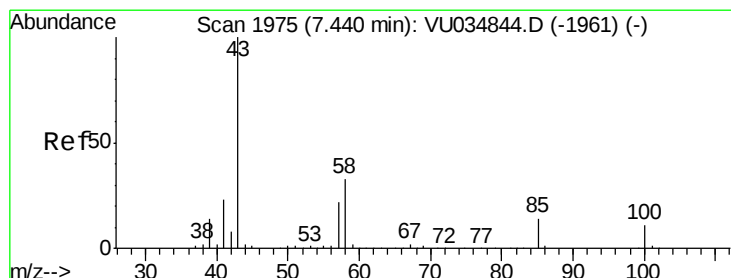
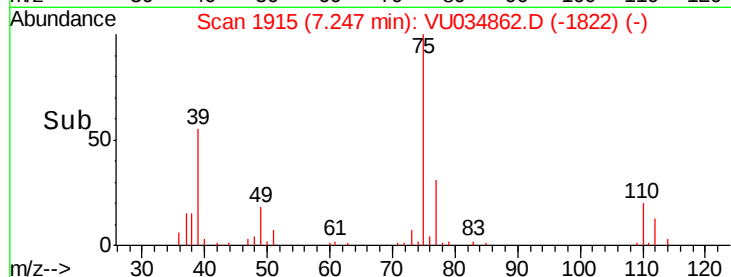
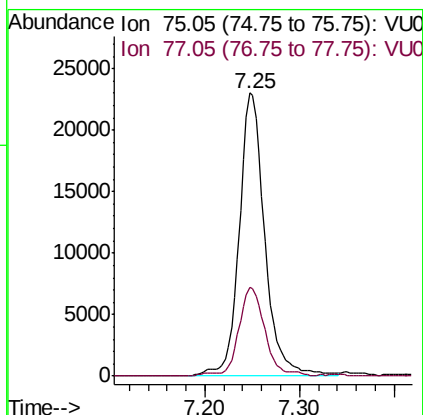
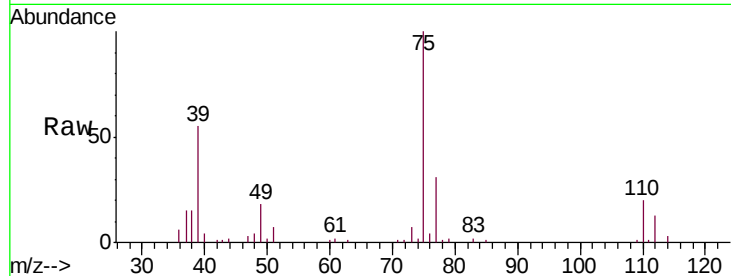




#39
 cis-1,3-Dichloropropene
 Concen: 4.445 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU034862.D
 Acq: 26 Sep 2019 23:41

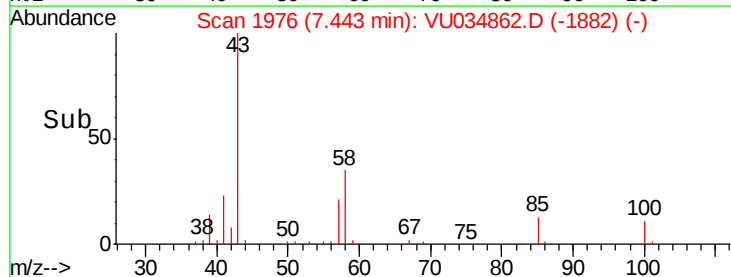
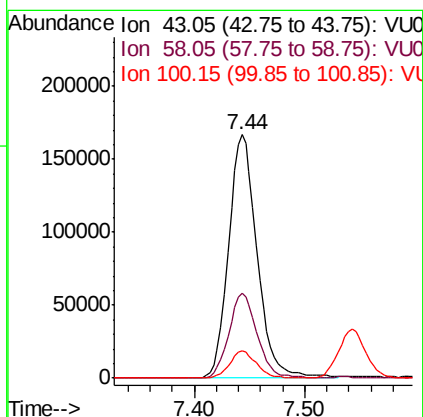
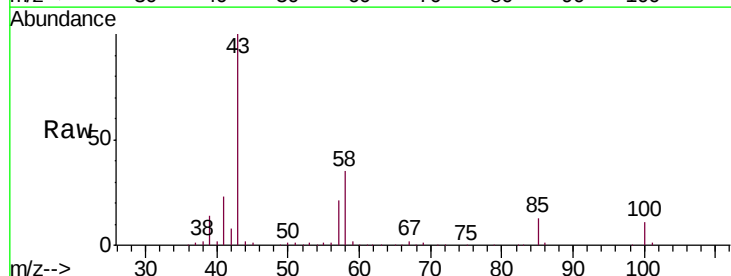
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

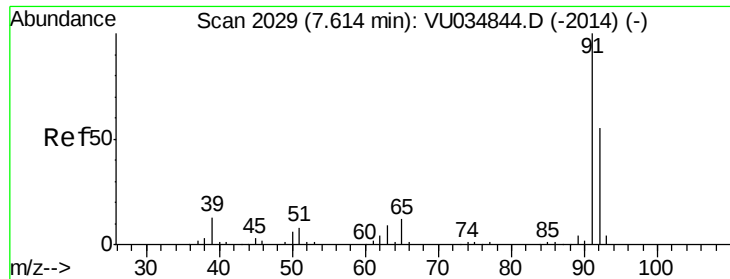
Tgt Ion: 75 Resp: 43354
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 57.354 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VU034862.D
 Acq: 26 Sep 2019 23:41

Tgt Ion: 43 Resp: 299457
 Ion Ratio Lower Upper
 43 100
 58 34.6 28.6 42.8
 100 10.7 8.9 13.3





#42

Toluene

Concen: 4.741 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034862.D

Acq: 26 Sep 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

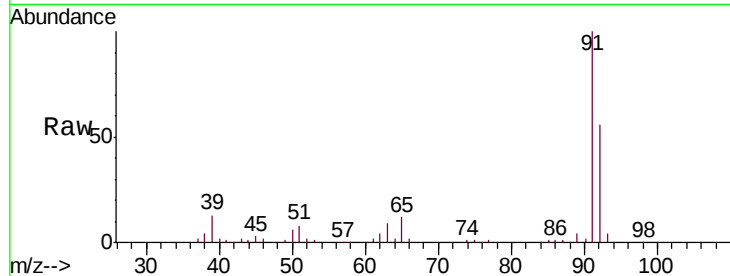
VSTD00523

Tgt Ion: 91 Resp: 114953

Ion Ratio Lower Upper

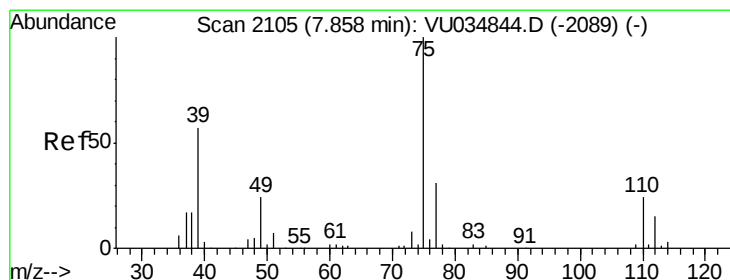
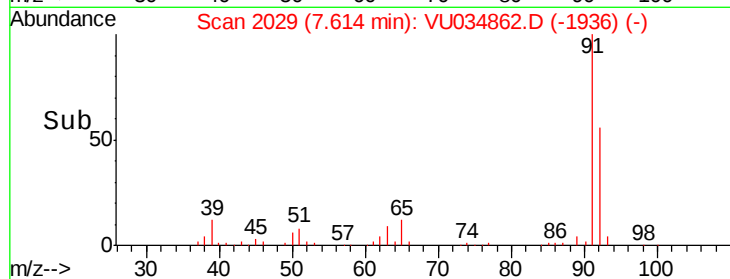
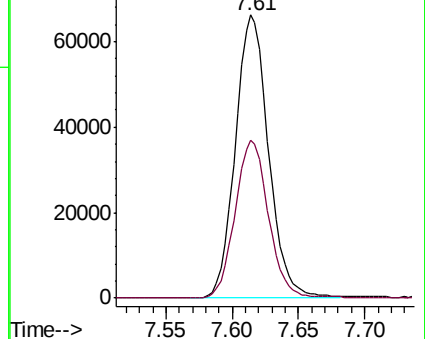
91 100

92 55.8 39.6 73.6



Abundance Ion 91.15 (90.85 to 91.85): VU034844.D (-2014) (-)

Ion 92.15 (91.85 to 92.85): VU034844.D (-2014) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.345 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034862.D

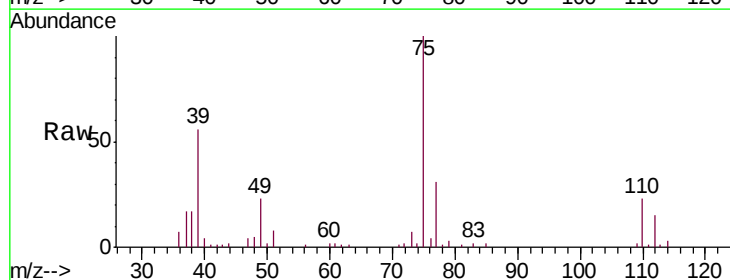
Acq: 26 Sep 2019 23:41

Tgt Ion: 75 Resp: 34381

Ion Ratio Lower Upper

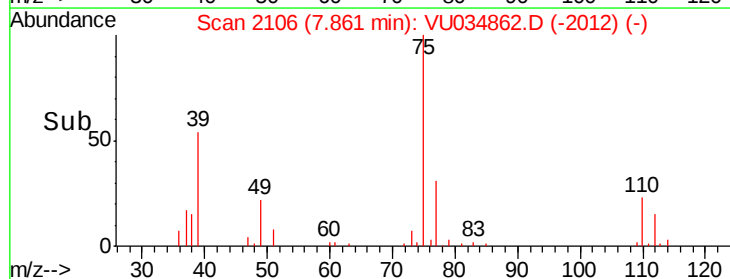
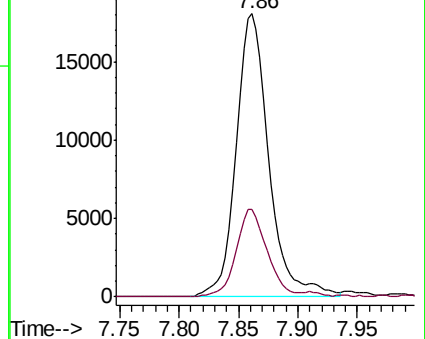
75 100

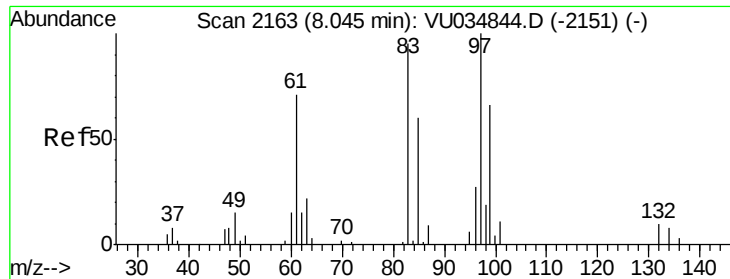
77 30.9 21.1 39.3



Abundance Ion 75.05 (74.75 to 75.75): VU034844.D (-2089) (-)

Ion 77.05 (76.75 to 77.75): VU034844.D (-2089) (-)

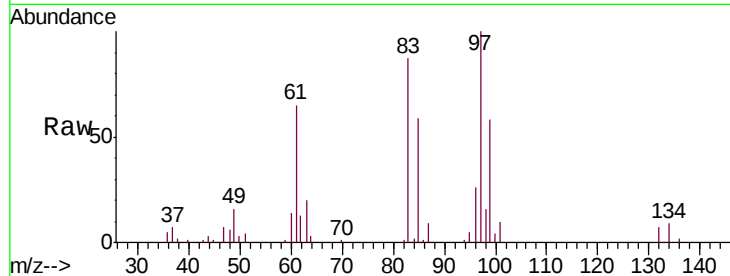




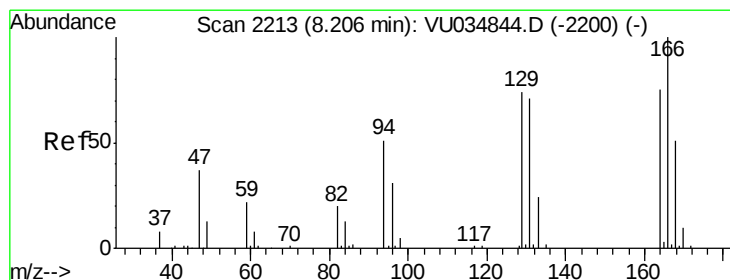
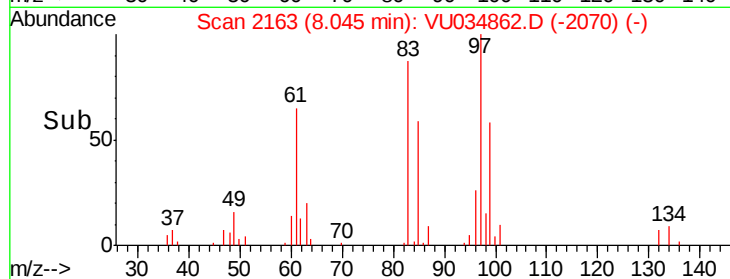
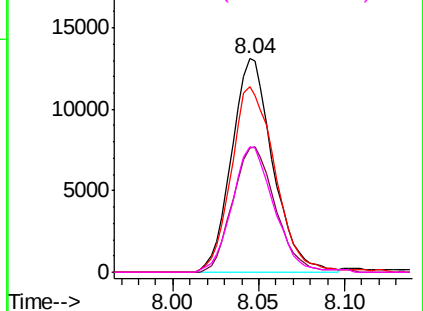
#45
 1,1,2-Trichloroethane
 Concen: 4.974 ug/L
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034862.D
 Acq: 26 Sep 2019 23:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Tgt Ion:	97	Resp:	21917
Ion	Ratio	Lower	Upper
97	100		
99	58.3	42.5	78.9
83	87.2	65.9	122.5
85	58.9	43.5	80.9

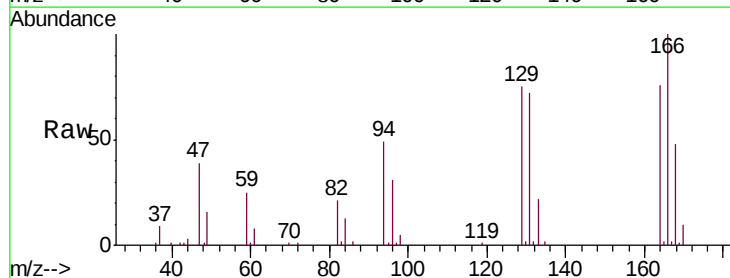


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

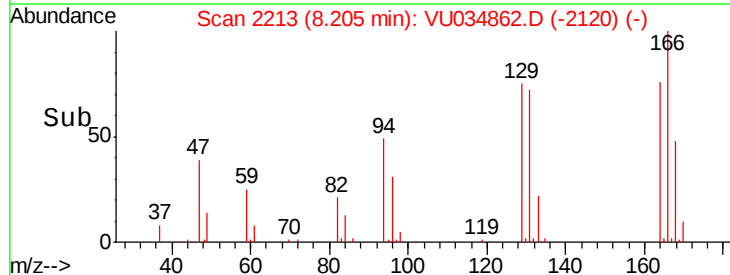
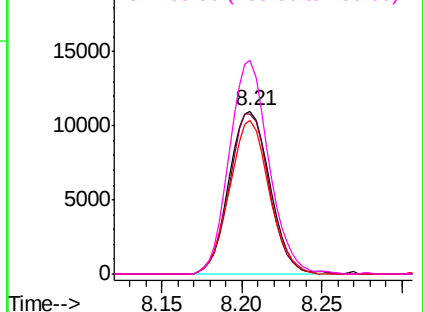


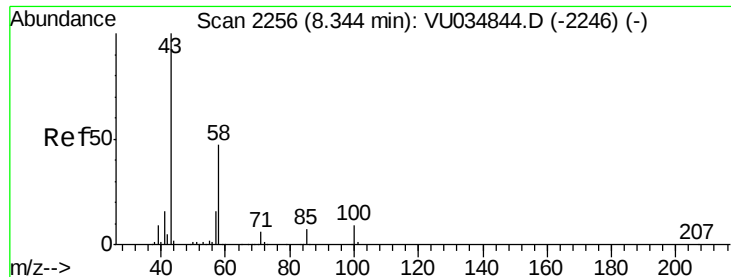
#47
 Tetrachloroethene
 Concen: 5.655 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU034862.D
 Acq: 26 Sep 2019 23:41

Tgt Ion:	164	Resp:	19175
Ion	Ratio	Lower	Upper
164	100		
129	98.5	73.6	136.8
131	93.8	73.4	136.4
166	130.9	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

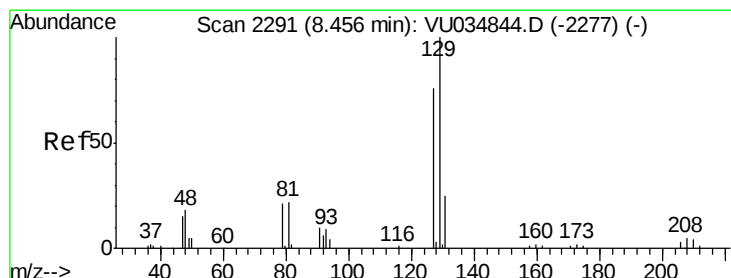
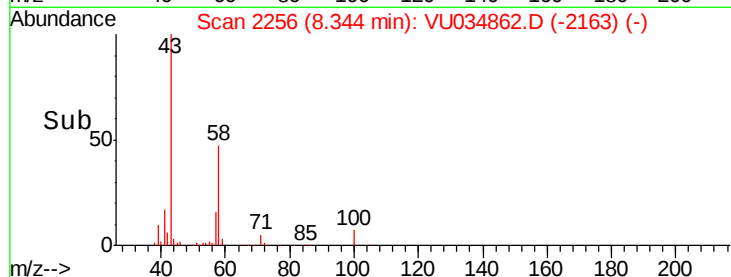
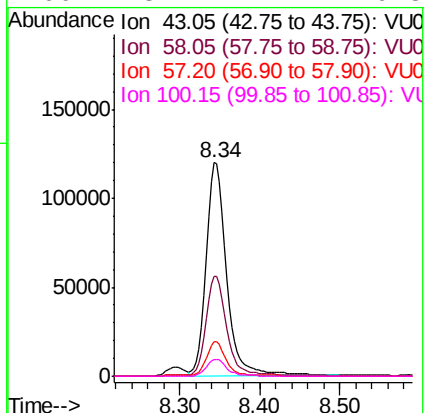
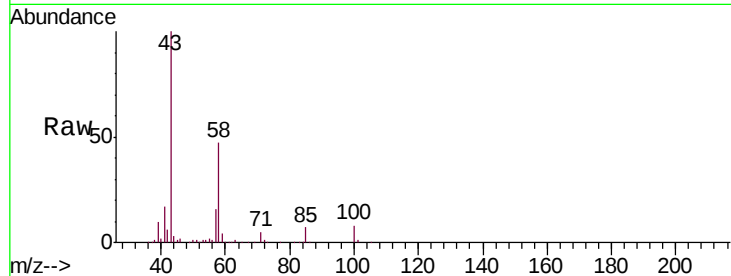




#48
2-Hexanone
Concen: 60.755 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU034862.D
Acq: 26 Sep 2019 23:41

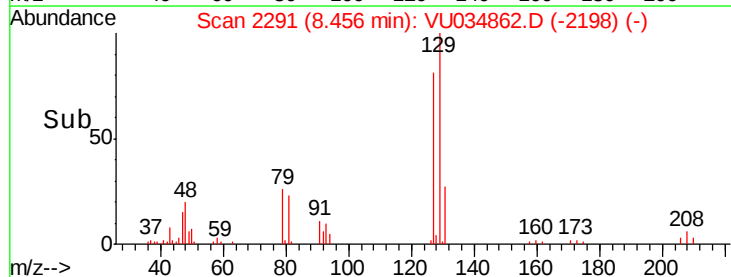
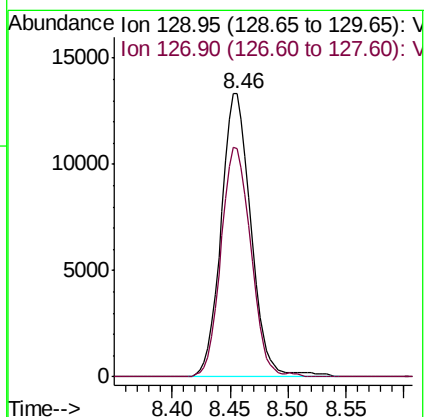
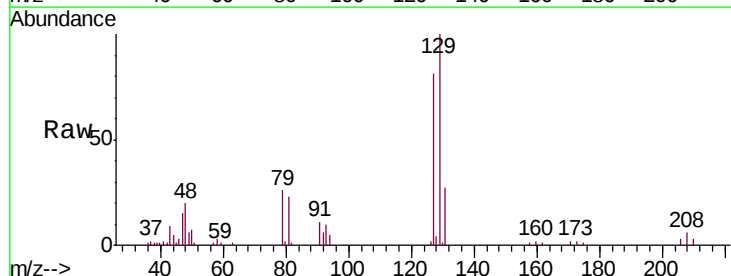
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

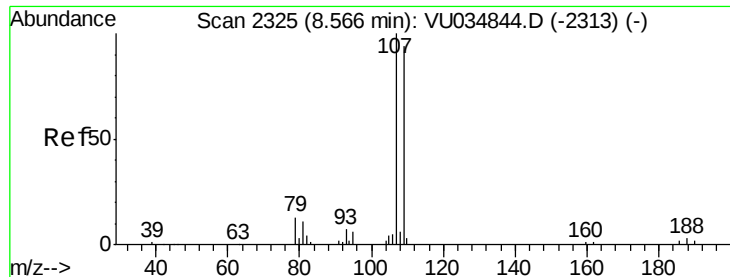
Tgt Ion:	43	Resp:	213191
Ion	Ratio	Lower	Upper
43	100		
58	45.4	41.2	61.8
57	14.9	13.3	19.9
100	8.2	7.2	10.8



#49
Dibromochloromethane
Concen: 4.595 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034862.D
Acq: 26 Sep 2019 23:41

Tgt Ion:	129	Resp:	23745
Ion	Ratio	Lower	Upper
129	100		
127	80.6	53.0	98.4

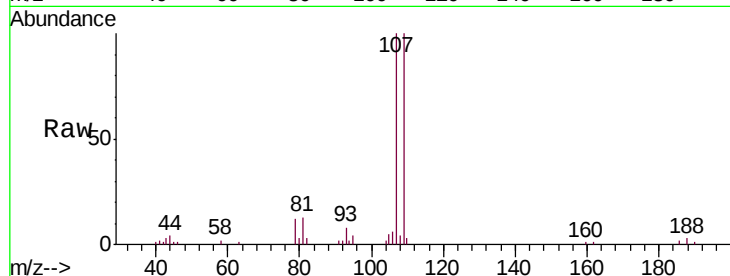




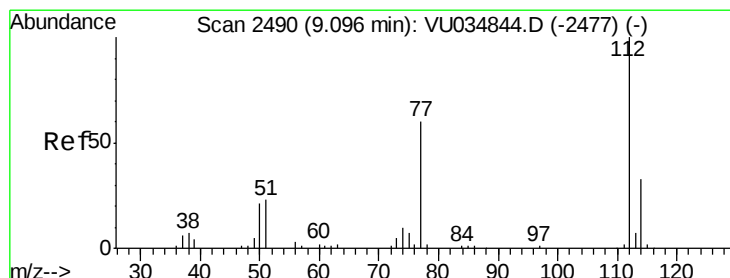
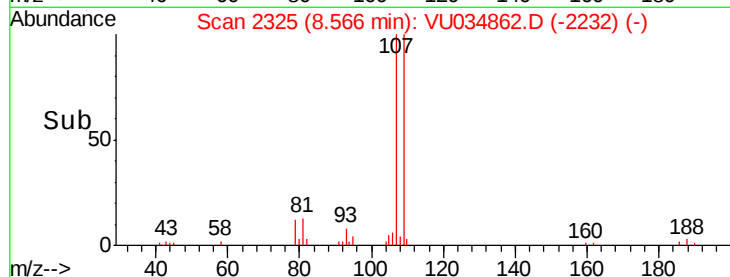
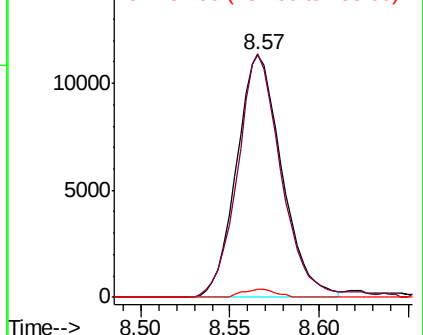
#50
1,2-Dibromoethane
Concen: 4.982 ug/L
RT: 8.57 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU034862.D
Acq: 26 Sep 2019 23:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

Tgt Ion:107 Resp: 20013
Ion Ratio Lower Upper
107 100
109 100.2 66.3 123.1
188 3.4 2.9 4.3

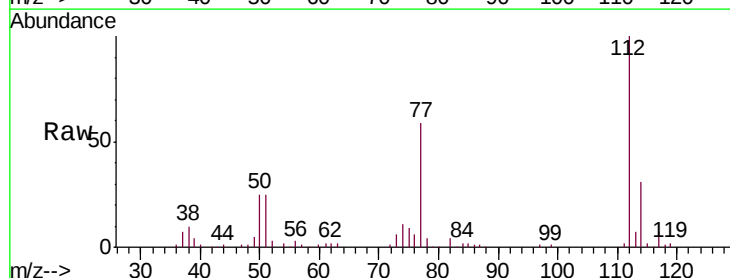


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

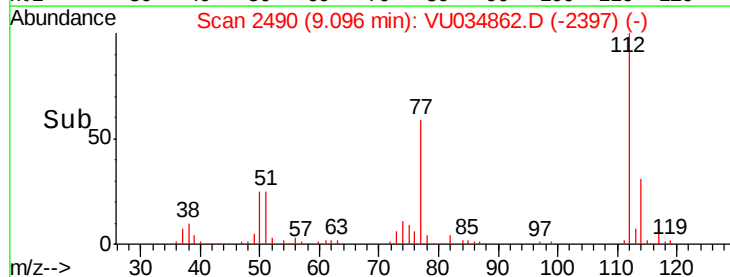
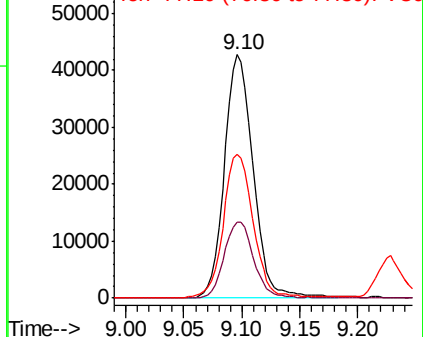


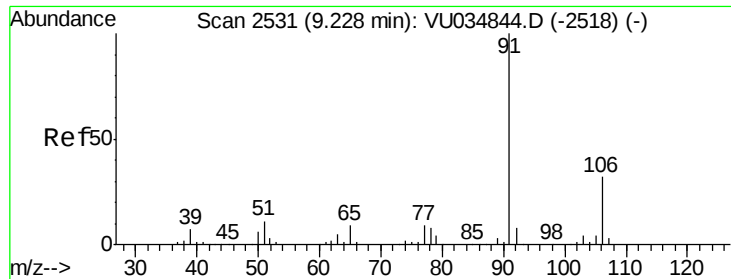
#51
Chlorobenzene
Concen: 4.863 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034862.D
Acq: 26 Sep 2019 23:41

Tgt Ion:112 Resp: 73911
Ion Ratio Lower Upper
112 100
114 31.3 22.5 41.7
77 59.3 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: 4.656 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034862.D

Acq: 26 Sep 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

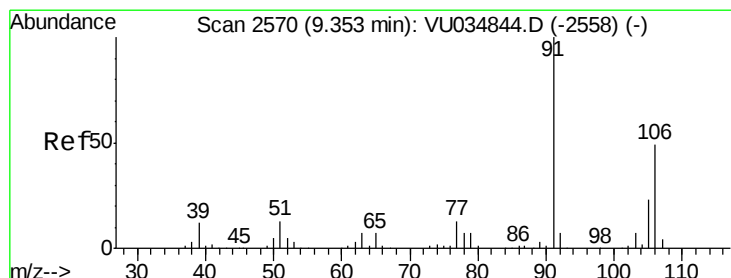
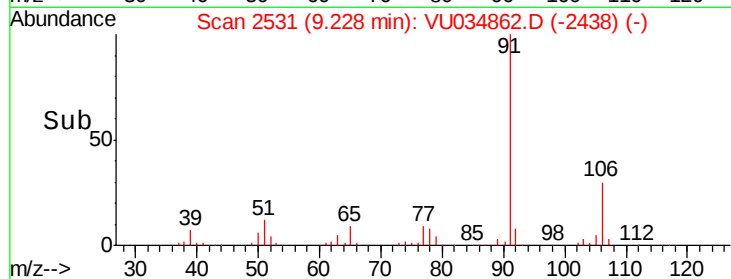
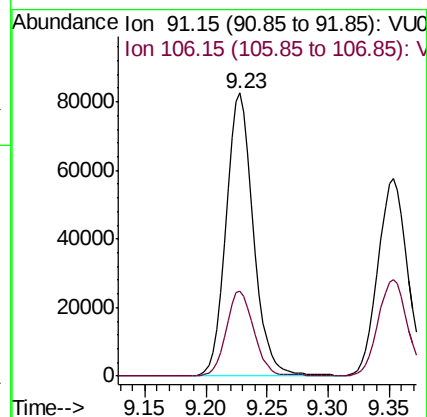
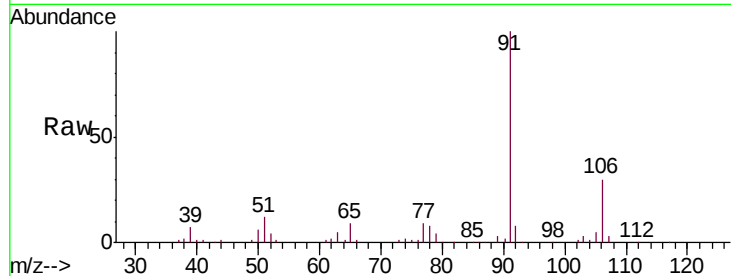
VSTD00523

Tgt Ion: 91 Resp: 130520

Ion Ratio Lower Upper

91 100

106 30.2 20.9 38.7



#53

m,p-Xylene

Concen: 4.712 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034862.D

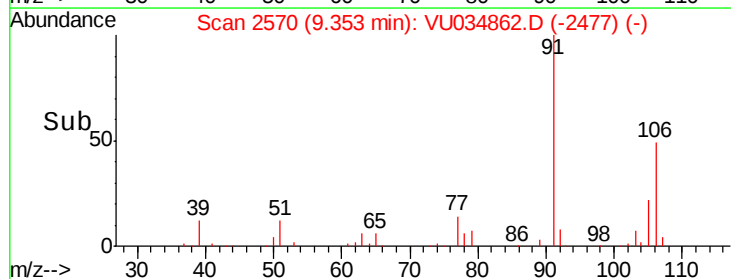
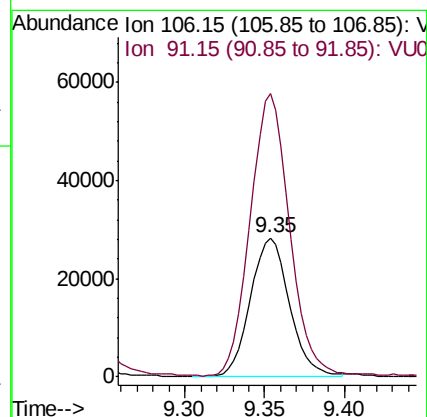
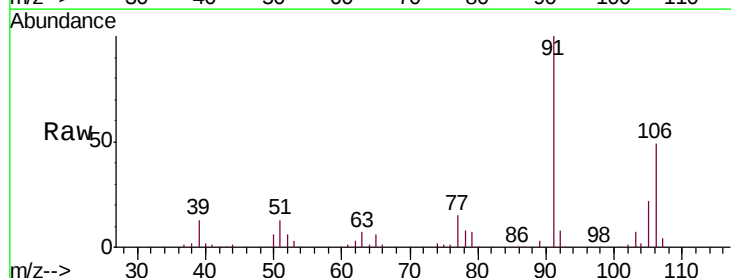
Acq: 26 Sep 2019 23:41

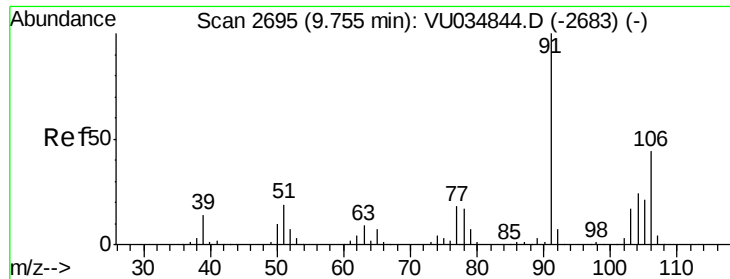
Tgt Ion: 106 Resp: 46842

Ion Ratio Lower Upper

106 100

91 203.8 147.8 274.4

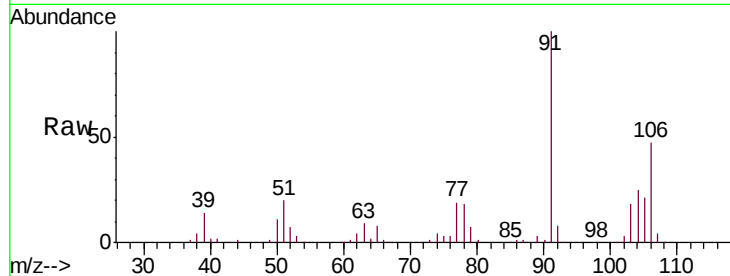




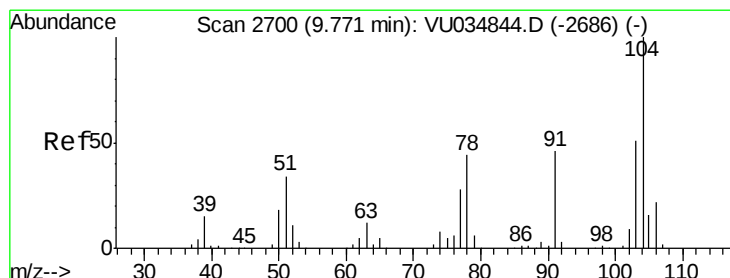
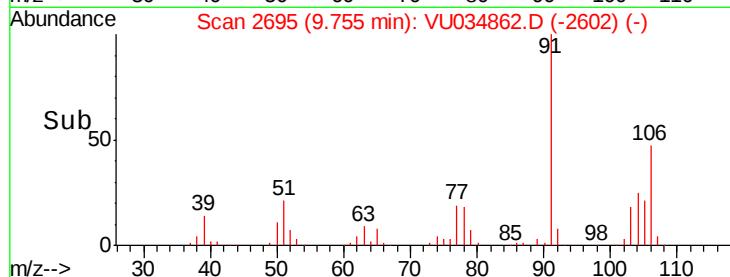
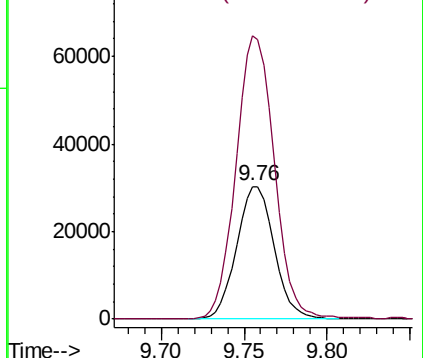
#54
o-Xylene
Concen: 4.785 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. -0.00 min
Lab File: VU034862.D
Acq: 26 Sep 2019 23:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

Tgt Ion:106 Resp: 47789
Ion Ratio Lower Upper
106 100
91 213.4 151.9 282.1

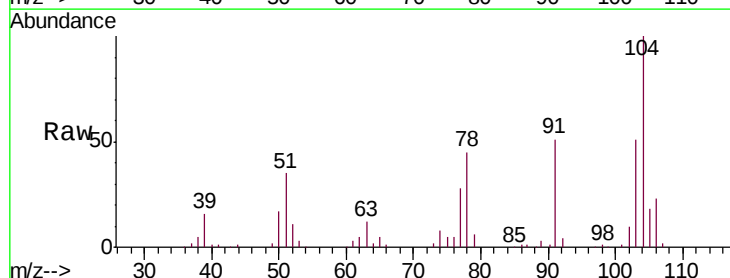


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

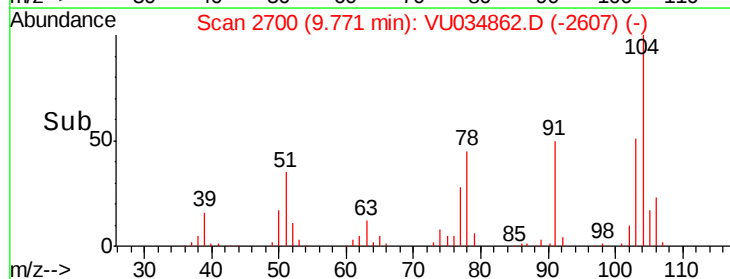
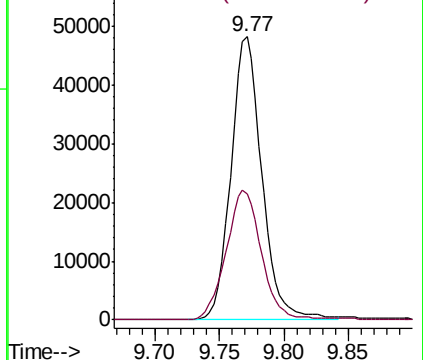


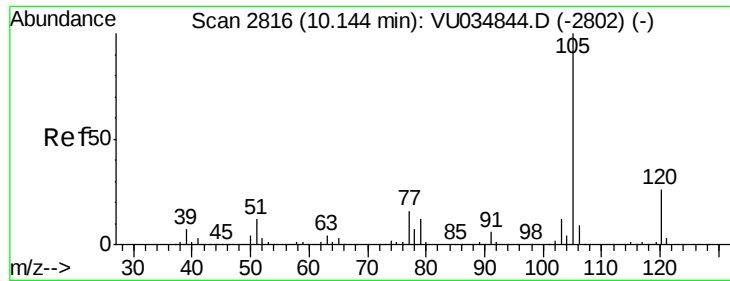
#55
Styrene
Concen: 4.852 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034862.D
Acq: 26 Sep 2019 23:41

Tgt Ion:104 Resp: 80482
Ion Ratio Lower Upper
104 100
78 44.7 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: 4.703 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034862.D

Acq: 26 Sep 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

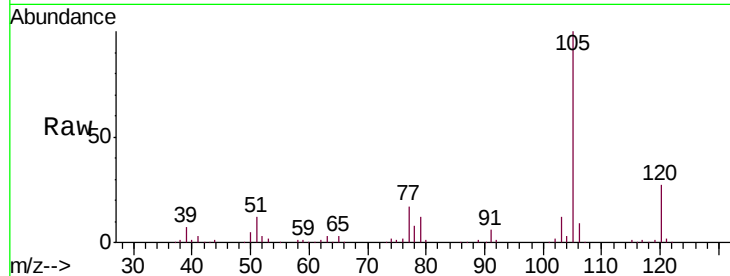
Tgt Ion: 105 Resp: 130474

Ion Ratio Lower Upper

105 100

120 26.8 19.8 29.6

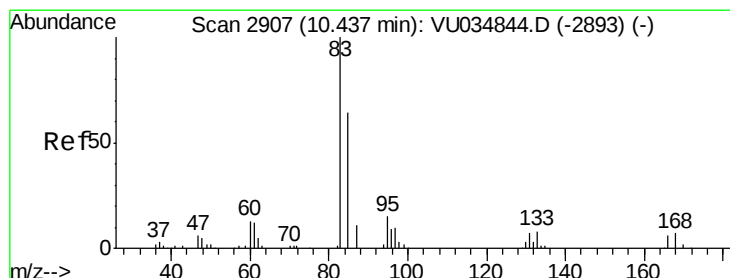
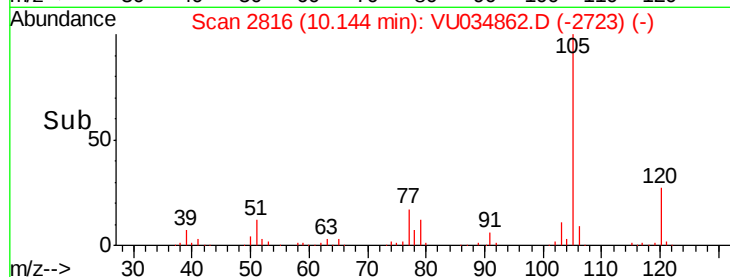
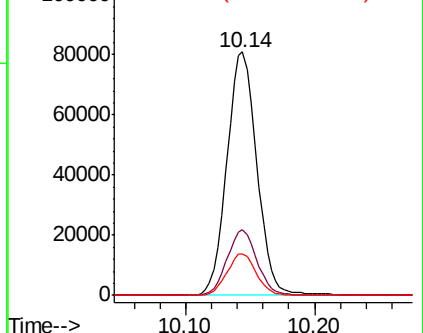
77 16.8 13.9 20.9



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: 5.004 ug/L

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034862.D

Acq: 26 Sep 2019 23:41

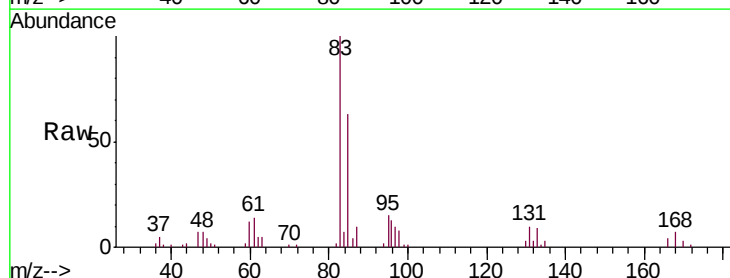
Tgt Ion: 83 Resp: 32552

Ion Ratio Lower Upper

83 100

85 63.2 44.4 82.4

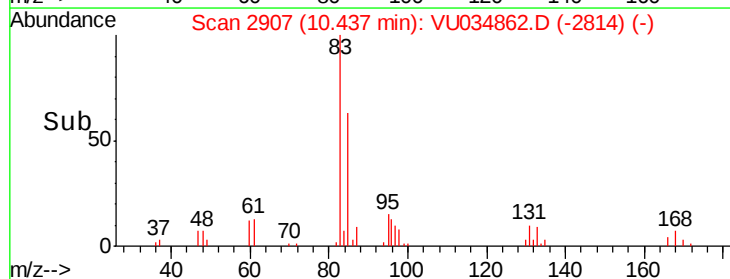
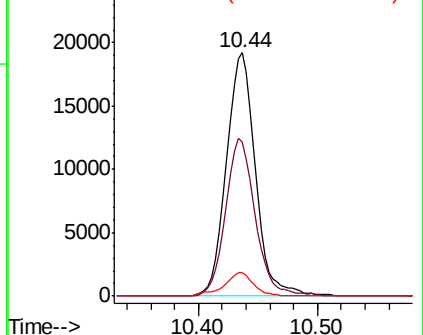
131 9.7 6.7 10.1

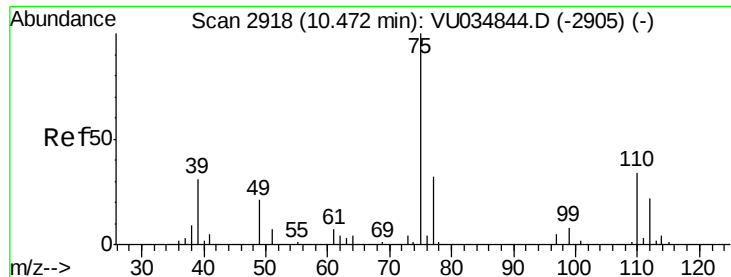


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.070 ug/L

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034862.D

Acq: 26 Sep 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

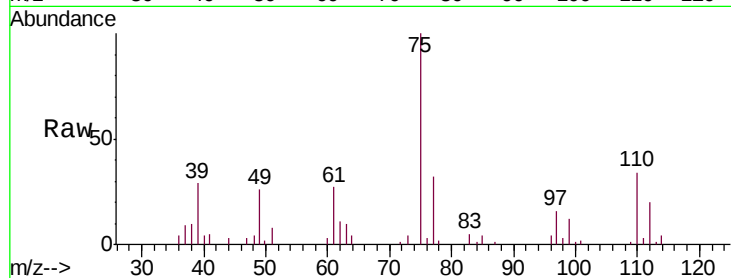
VSTD00523

Tgt Ion: 75 Resp: 22945

Ion Ratio Lower Upper

75 100

77 32.4 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU034844.D (-2905) (-)

Ion 77.00 (76.70 to 77.70): VU034844.D (-2905) (-)

10.47

15000

10000

5000

0

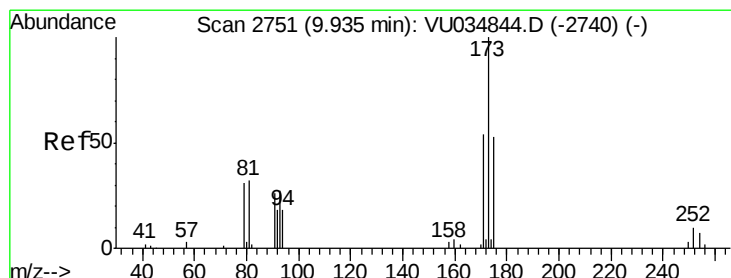
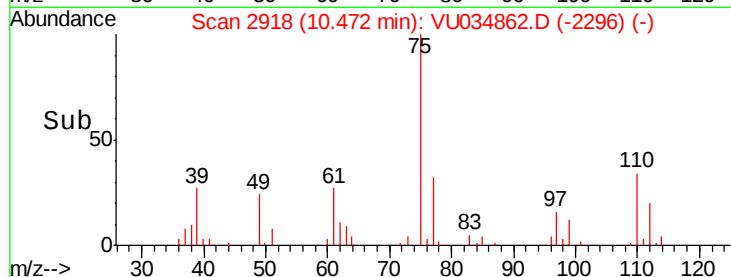
Time-->

10.40

10.45

10.50

10.55



#61

Bromoform

Concen: 4.749 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034862.D

Acq: 26 Sep 2019 23:41

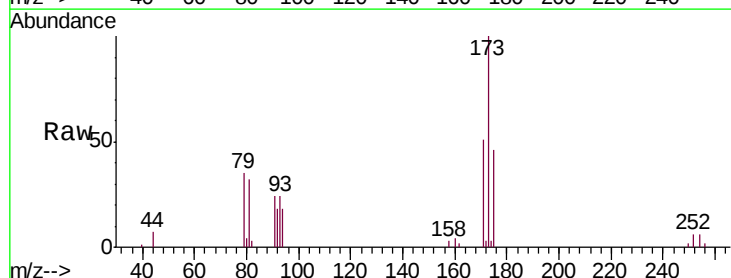
Tgt Ion: 173 Resp: 12925

Ion Ratio Lower Upper

173 100

175 47.0 40.0 60.0

254 5.9 3.5 5.3#



Abundance Ion 172.90 (172.60 to 173.60): VU034844.D (-2740) (-)

Ion 174.90 (174.60 to 175.60): VU034844.D (-2740) (-)

Ion 253.75 (253.45 to 254.45): VU034844.D (-2740) (-)

9.94

10000

8000

6000

4000

2000

0

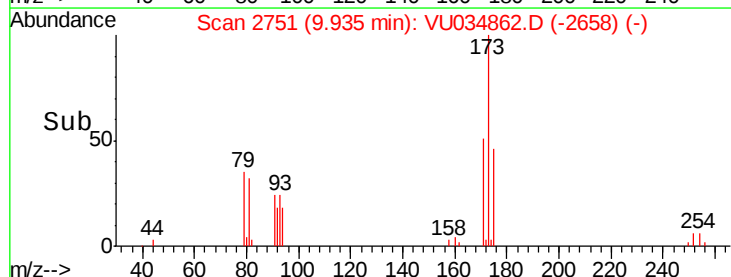
Time-->

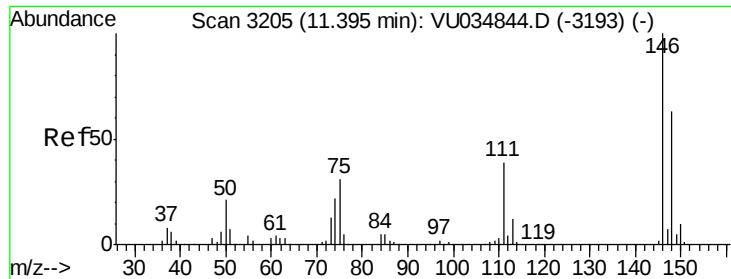
9.90

9.95

10.00

10.05





#62

1,3-Dichlorobenzene

Concen: 4.925 ug/L

RT: 11.39 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VU034862.D

Acq: 26 Sep 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

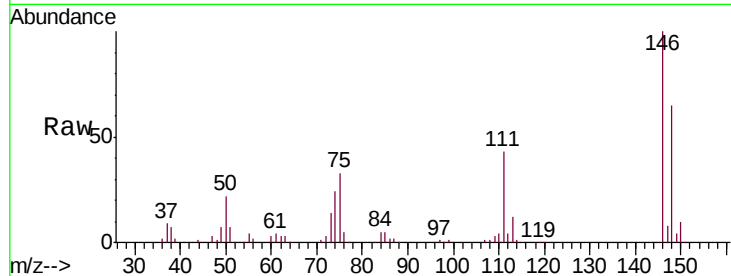
Tgt Ion:146 Resp: 59574

Ion Ratio Lower Upper

146 100

111 42.6 32.8 61.0

148 65.5 45.9 85.3

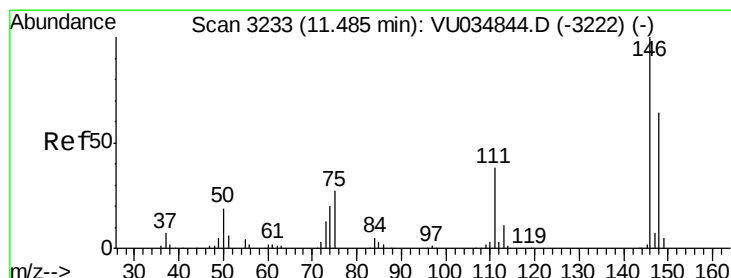
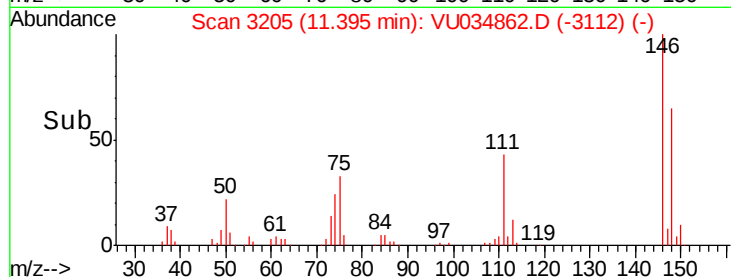
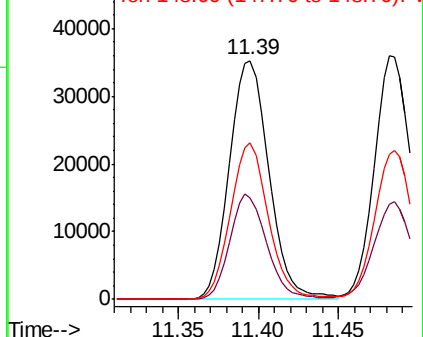


Abundance

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: 4.890 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. -0.00 min

Lab File: VU034862.D

Acq: 26 Sep 2019 23:41

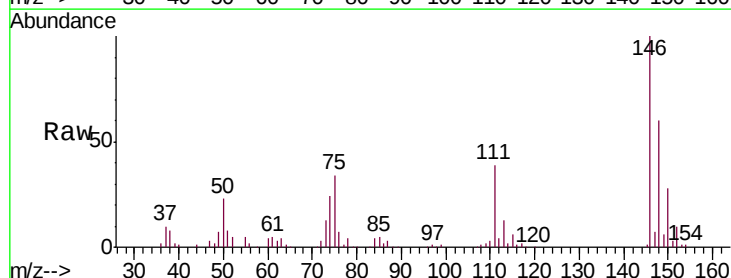
Tgt Ion:146 Resp: 59043

Ion Ratio Lower Upper

146 100

111 39.2 30.2 56.2

148 59.7 45.4 84.4

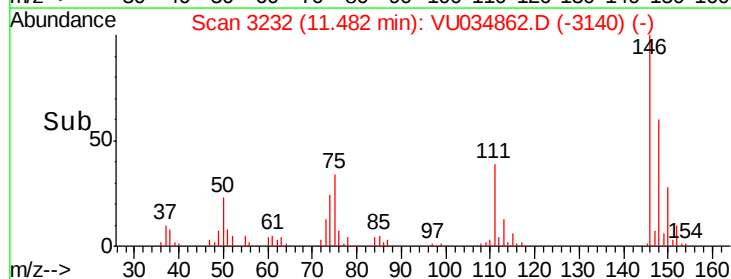
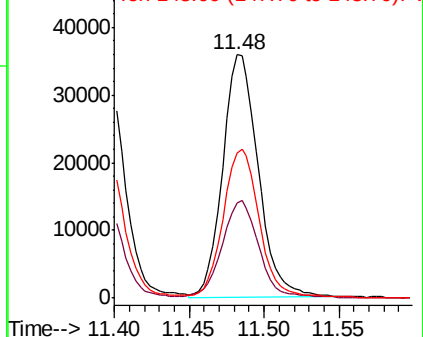


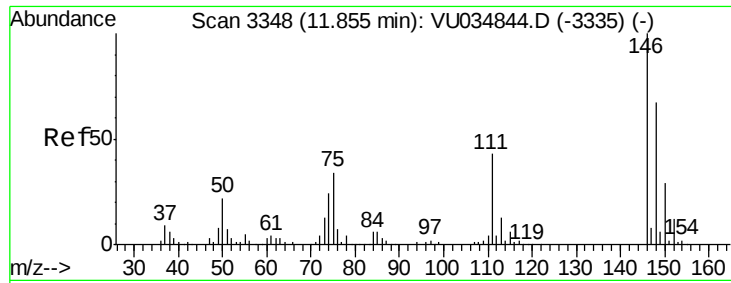
Abundance

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

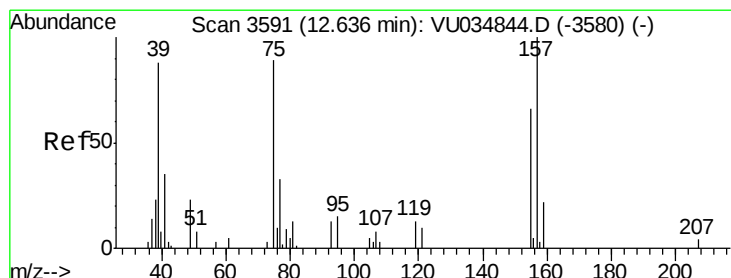
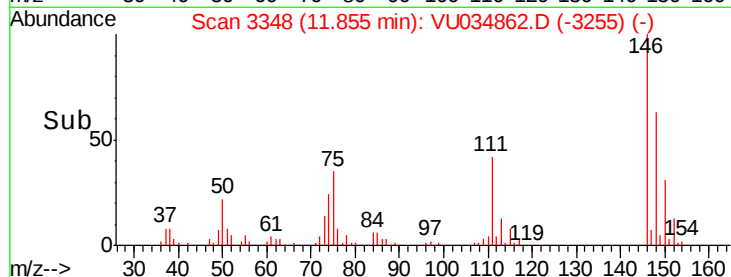
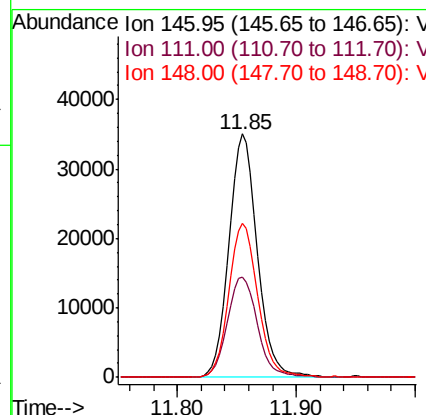
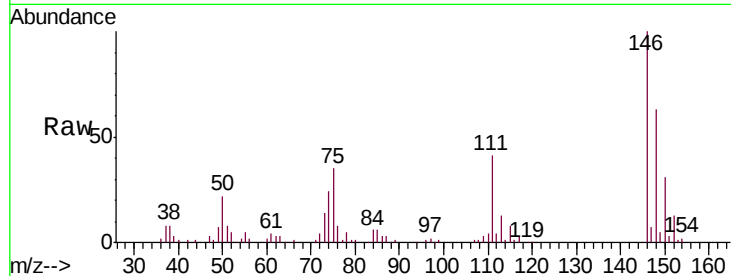




#65
 1,2-Dichlorobenzene
 Concen: 4.895 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034862.D
 Acq: 26 Sep 2019 23:41

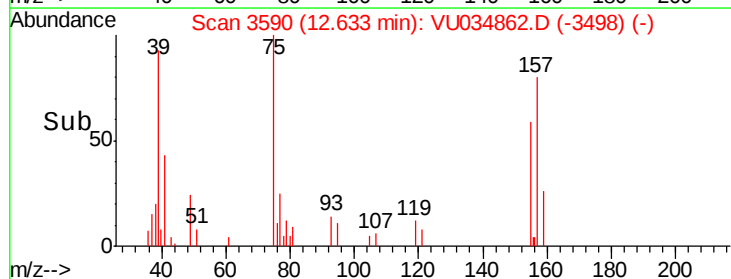
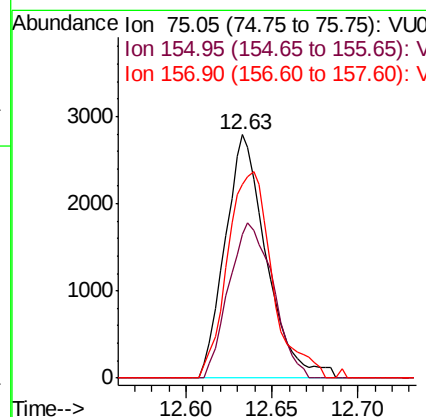
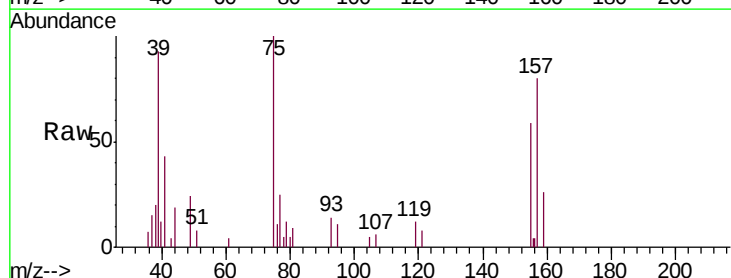
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

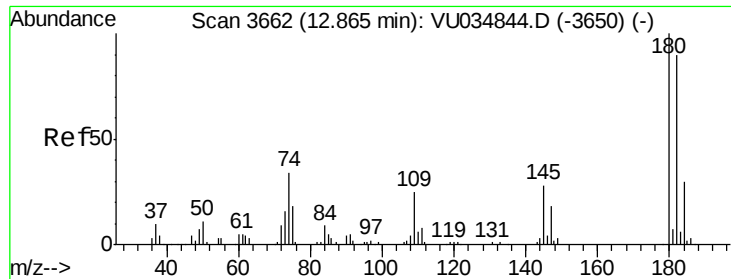
Tgt Ion:146 Resp: 57950
 Ion Ratio Lower Upper
 146 100
 111 41.3 37.1 55.7
 148 63.5 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.370 ug/L
 RT: 12.63 min Scan# 3590
 Delta R.T. -0.00 min
 Lab File: VU034862.D
 Acq: 26 Sep 2019 23:41

Tgt Ion: 75 Resp: 4685
 Ion Ratio Lower Upper
 75 100
 155 58.9 49.1 73.7
 157 79.5 70.8 106.2

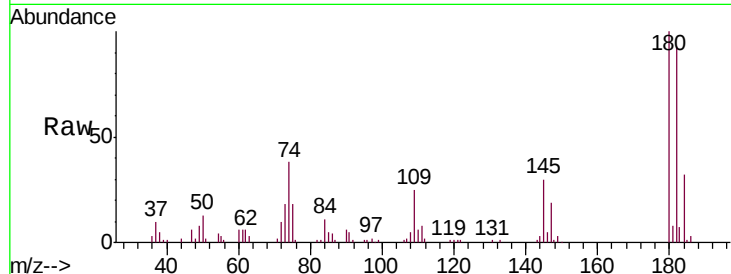




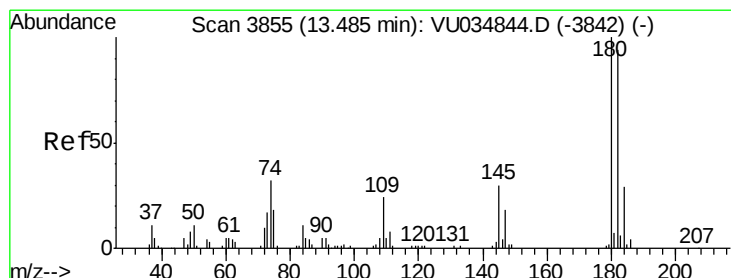
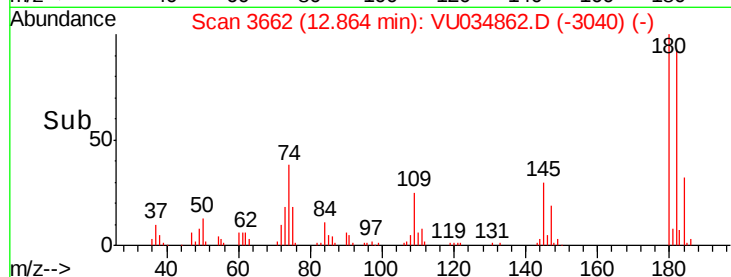
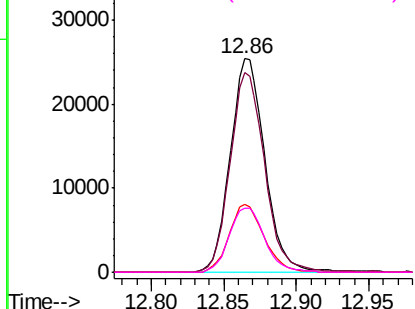
#67
 1,3,5-Trichlorobenzene
 Concen: 5.323 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VU034862.D
 Acq: 26 Sep 2019 23:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Tgt Ion:180 Resp: 42083
 Ion Ratio Lower Upper
 180 100
 182 93.5 74.5 111.7
 184 31.9 23.4 35.2
 145 30.8 27.0 40.4

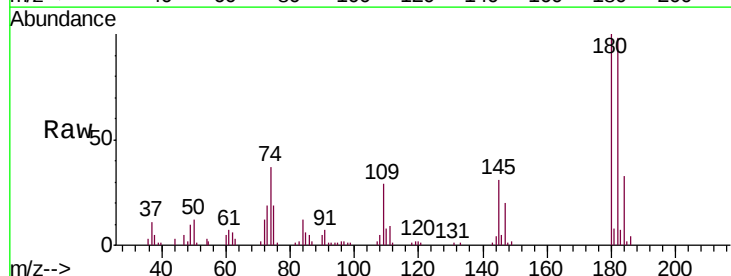


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

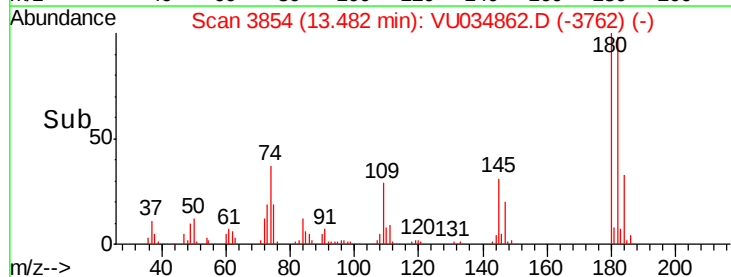
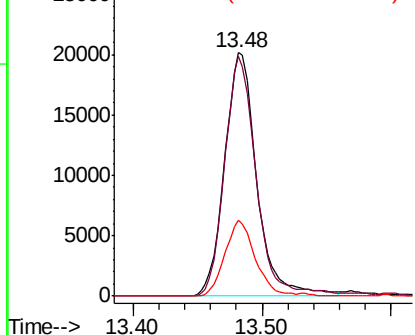


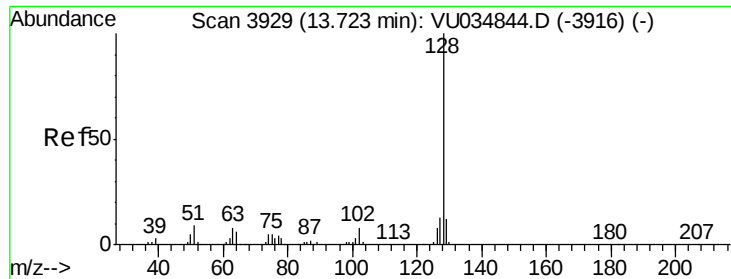
#68
 1,2,4-trichlorobenzene
 Concen: 5.548 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034862.D
 Acq: 26 Sep 2019 23:41

Tgt Ion:180 Resp: 34977
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.9 115.3
 145 29.6 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: 4.662 ug/L

RT: 13.72 min Scan# 3929

Delta R.T. -0.00 min

Lab File: VU034862.D

Acq: 26 Sep 2019 23:41

Instrument :

MSVOA_U

ClientSampled :

VSTD00523

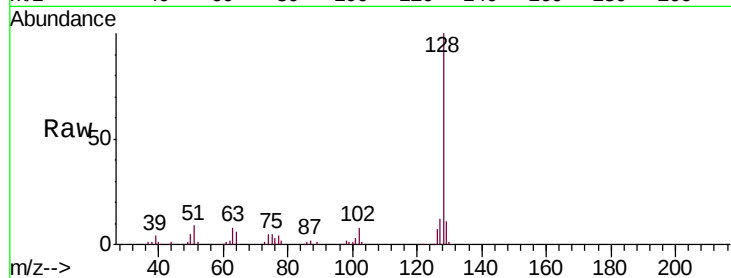
Tgt Ion:128 Resp: 71568

Ion Ratio Lower Upper

128 100

129 11.2 9.2 13.8

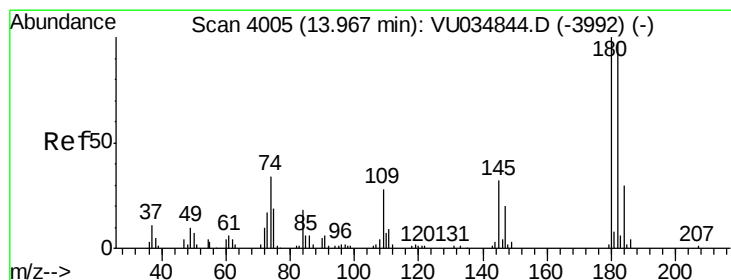
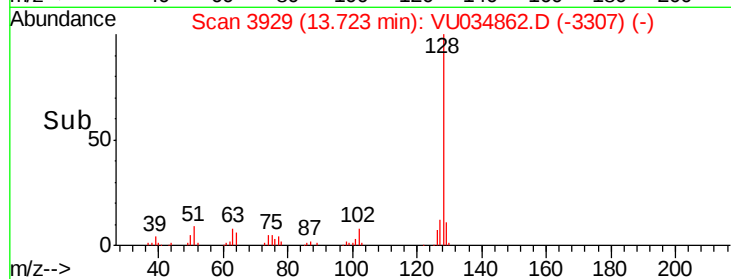
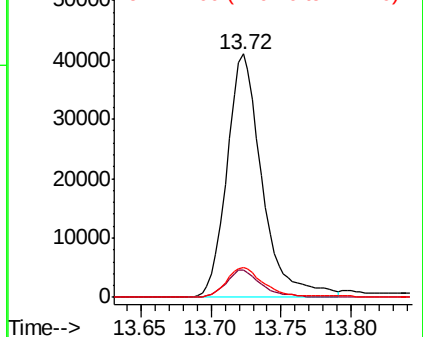
127 13.1 10.7 16.1



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: 5.631 ug/L

RT: 13.97 min Scan# 4005

Delta R.T. -0.00 min

Lab File: VU034862.D

Acq: 26 Sep 2019 23:41

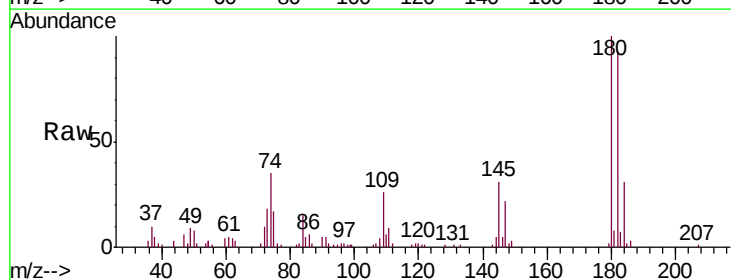
Tgt Ion:180 Resp: 33251

Ion Ratio Lower Upper

180 100

182 94.1 76.6 114.8

145 30.7 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

