

Data File : VU034864.D
Acq On : 27 Sep 2019 10:23
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Quant Time: Sep 28 00:04:03 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	82190	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	79288	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	39428	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	30281	4.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.60%
7) Chloroethane-d5	1.67	69	24953	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	2.26	63	55986	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.00%
20) 2-Butanone-d5	4.17	46	80357	49.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.98%
24) Chloroform-d	4.62	84	42660	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
26) 1,2-Dichloroethane-d4	5.29	65	24703	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
32) Benzene-d6	5.32	84	92947	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.31	67	31216	4.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.60%
41) Toluene-d8	7.54	98	89402	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	7.83	79	10881	3.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.60%
46) 2-Hexanone-d5	8.30	63	56140	43.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.58%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	24178	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.40%
64) 1,2-Dichlorobenzene-d4	11.84	152	30354	4.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	29216	4.694 ug/L	95
3) Chloromethane	1.32	50	32095	5.469 ug/L	96
5) Vinyl chloride	1.40	62	32113	5.223 ug/L	98
6) Bromomethane	1.62	94	18210	5.941 ug/L	93
8) Chloroethane	1.69	64	19662	5.486 ug/L	98
9) Trichlorofluoromethane	1.87	101	43765	5.371 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	26018	5.683 ug/L	89
12) 1,1-Dichloroethene	2.27	96	22872	5.642 ug/L	84
13) Acetone	2.32	43	69677	56.097 ug/L	99
14) Carbon disulfide	2.46	76	50423	4.852 ug/L	98
15) Methyl Acetate	2.61	43	16450	5.426 ug/L	97
16) Methylene chloride	2.68	84	27006	5.008 ug/L	96
17) Methyl tert-butyl Ether	2.98	73	76520	5.391 ug/L	99
18) trans-1,2-Dichloroethene	2.96	96	22309	5.296 ug/L	98
19) 1,1-Dichloroethane	3.42	63	50559	4.917 ug/L	99
21) 2-Butanone	4.26	43	104458	58.419 ug/L	100
22) cis-1,2-Dichloroethene	4.20	96	27034	4.798 ug/L	99

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ClientSampleId :
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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	10728	5.165	ug/L	98
25) Chloroform	4.65	83	53581	4.658	ug/L	93
27) 1,2-Dichloroethane	5.38	62	33214	5.019	ug/L #	93
29) 1,1,1-Trichloroethane	4.89	97	38267	4.578	ug/L	98
30) Cyclohexane	4.96	56	40982	4.664	ug/L	97
31) Carbon tetrachloride	5.11	117	31401	4.616	ug/L	100
33) Benzene	5.36	78	101745	4.746	ug/L	100
34) Trichloroethene	6.16	95	25635	4.797	ug/L	93
35) Methylcyclohexane	6.39	83	39770	4.608	ug/L	99
37) 1,2-Dichloropropane	6.41	63	30358	4.586	ug/L #	98
38) Bromodichloromethane	6.74	83	34186	4.316	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	42177	4.526	ug/L	94
40) 4-Methyl-2-pentanone	7.44	43	258914	51.899	ug/L	98
42) Toluene	7.61	91	115032	4.965	ug/L	94
44) trans-1,3-Dichloropropene	7.86	75	31487	4.165	ug/L	95
45) 1,1,2-Trichloroethane	8.04	97	20556	4.883	ug/L	97
47) Tetrachloroethene	8.21	164	18625	5.749	ug/L	94
48) 2-Hexanone	8.34	43	175675	52.396	ug/L	95
49) Dibromochloromethane	8.45	129	21734	4.402	ug/L	96
50) 1,2-Dibromoethane	8.57	107	19071	4.968	ug/L	96
51) Chlorobenzene	9.10	112	72416	4.986	ug/L	97
52) Ethylbenzene	9.23	91	128093	4.782	ug/L	99
53) m,p-Xylene	9.35	106	45671	4.808	ug/L	99
54) o-Xylene	9.76	106	46769	4.901	ug/L	99
55) Styrene	9.77	104	78606	4.959	ug/L	96
56) Isopropylbenzene	10.14	105	126222	4.761	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.43	83	28621	4.605	ug/L	97
59) 1,2,3-Trichloropropane	10.47	75	20300	4.695	ug/L	99
61) Bromoform	9.94	173	11601	4.455	ug/L	97
62) 1,3-Dichlorobenzene	11.40	146	55715	4.814	ug/L	93
63) 1,4-Dichlorobenzene	11.49	146	57768	4.999	ug/L	91
65) 1,2-Dichlorobenzene	11.85	146	53844	4.753	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.64	75	3759	3.664	ug/L	93
67) 1,3,5-Trichlorobenzene	12.86	180	41388	5.471	ug/L	97
68) 1,2,4-trichlorobenzene	13.48	180	31198	5.172	ug/L	98
69) Naphthalene	13.72	128	57073	3.885	ug/L	98
70) 1,2,3-Trichlorobenzene	13.97	180	29503	5.221	ug/L	98

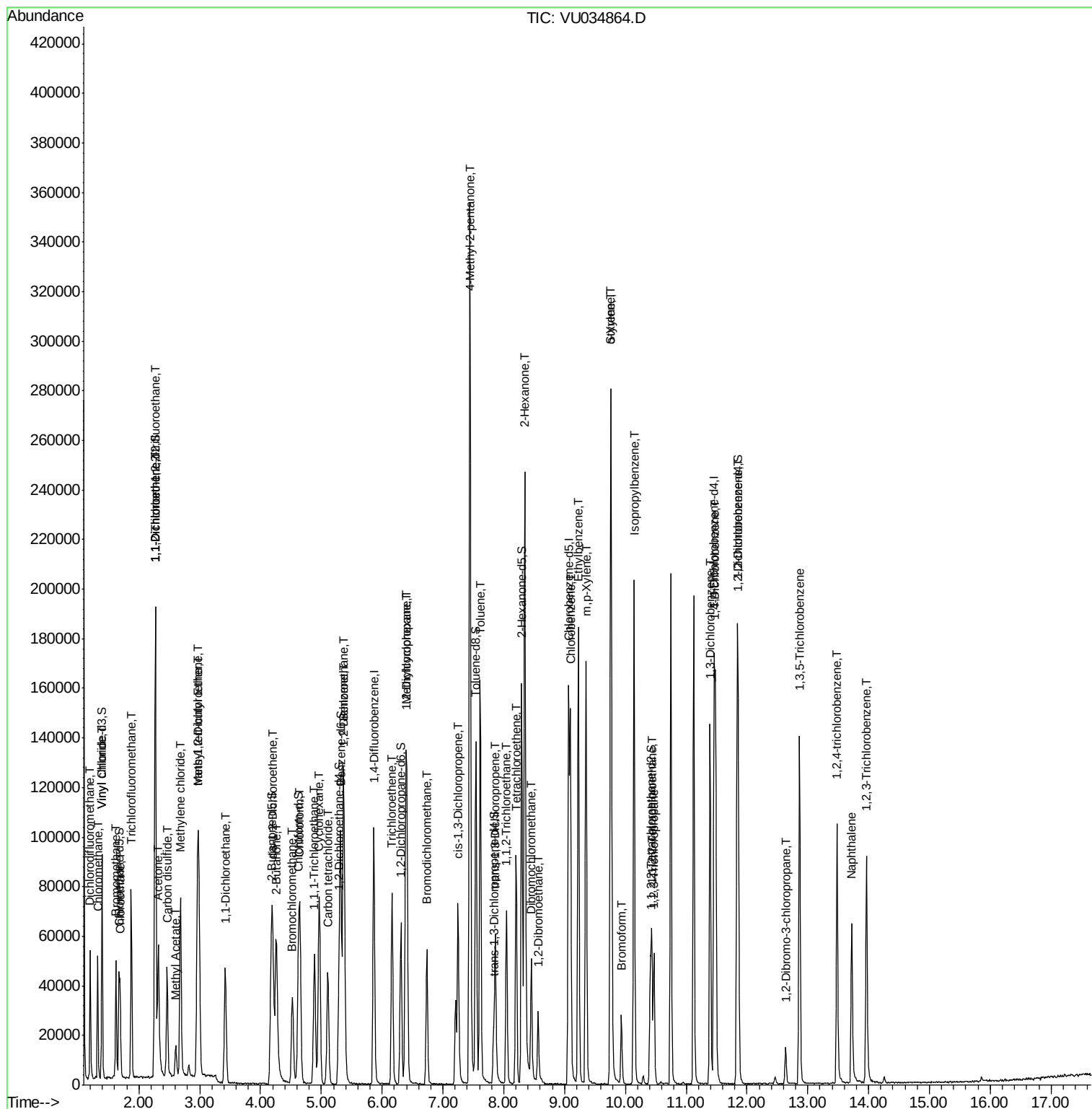
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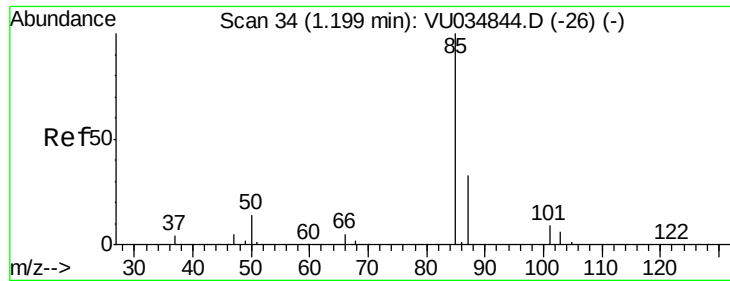
Data File : VU034864.D

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#2

Dichlorodifluoromethane

Concen: 4.694 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034864.D

Acq: 27 Sep 2019 10:23

Instrument :

MSVOA_U

ClientSampleId :

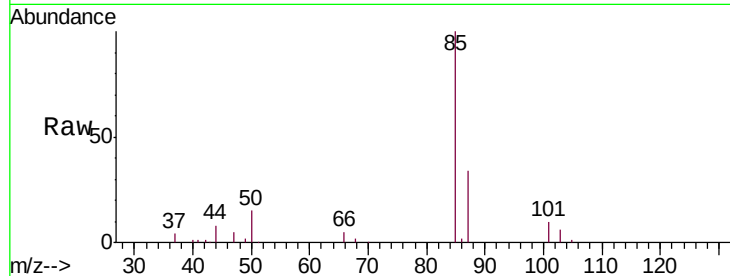
VSTD00524

Tgt Ion: 85 Resp: 29216

Ion Ratio Lower Upper

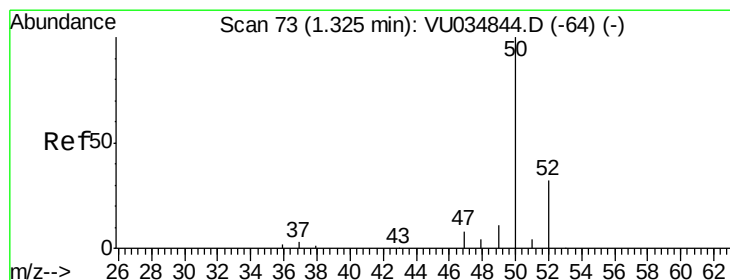
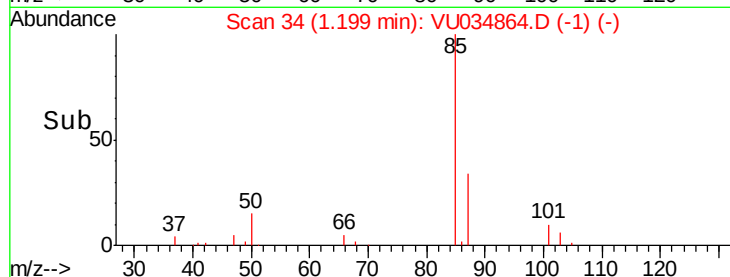
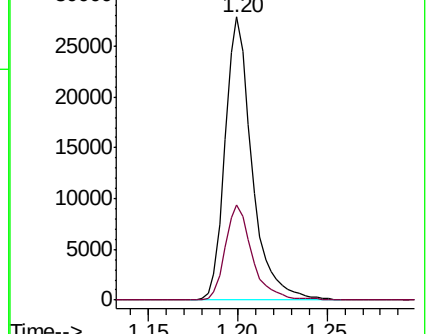
85 100

87 33.9 25.0 37.4



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

Ion 87.00 (86.70 to 87.70): VU034844.D (-26) (-)



#3

Chloromethane

Concen: 5.469 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034864.D

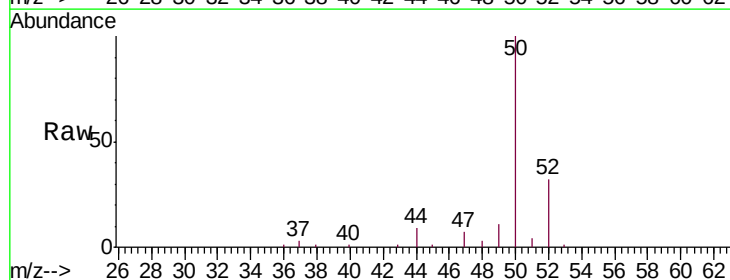
Acq: 27 Sep 2019 10:23

Tgt Ion: 50 Resp: 32095

Ion Ratio Lower Upper

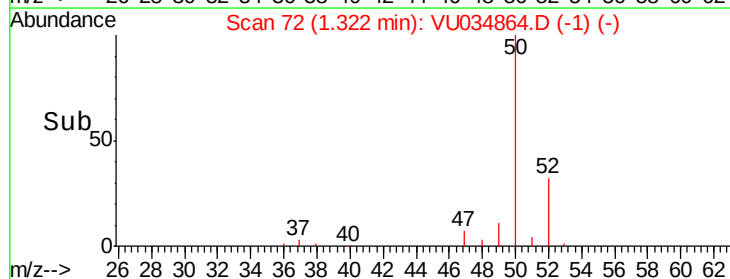
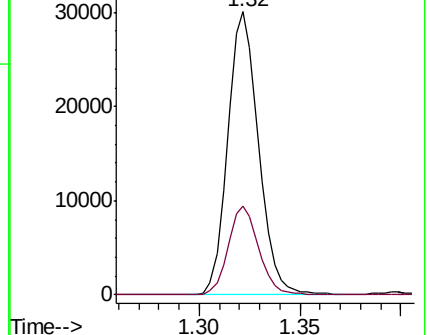
50 100

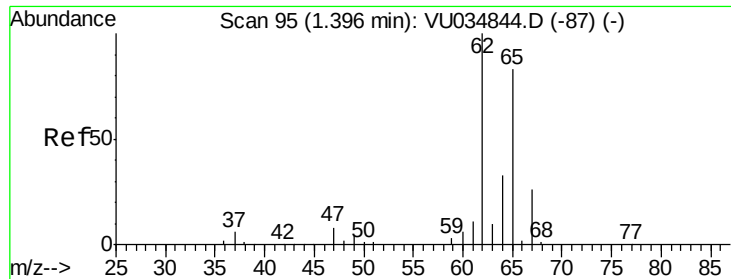
52 31.5 23.9 44.3



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

Ion 52.05 (51.75 to 52.75): VU034844.D (-64) (-)





#5

Vinyl chloride

Concen: 5.223 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034864.D

Acq: 27 Sep 2019 10:23

Instrument :

MSVOA_U

ClientSampleId :

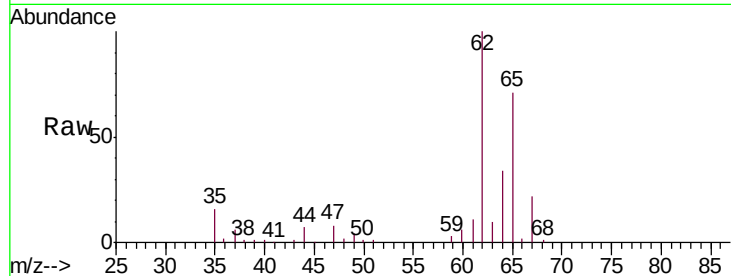
VSTD00524

Tgt Ion: 62 Resp: 32113

Ion Ratio Lower Upper

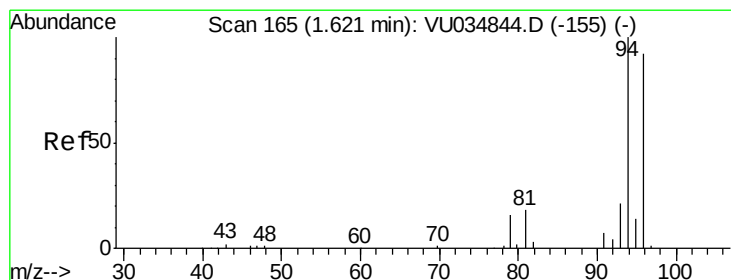
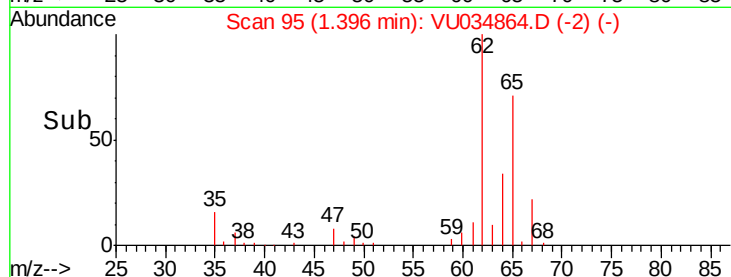
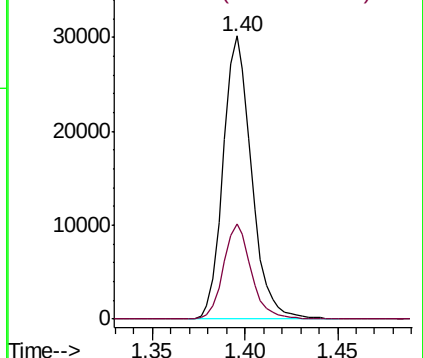
62 100

64 33.7 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU034864.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU034864.D (-87) (-)



#6

Bromomethane

Concen: 5.941 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU034864.D

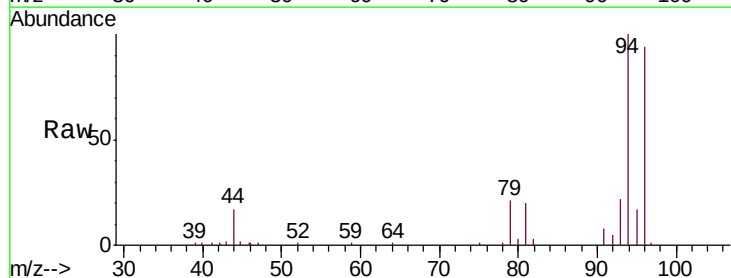
Acq: 27 Sep 2019 10:23

Tgt Ion: 94 Resp: 18210

Ion Ratio Lower Upper

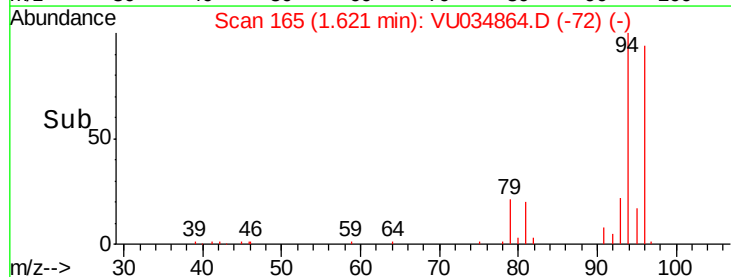
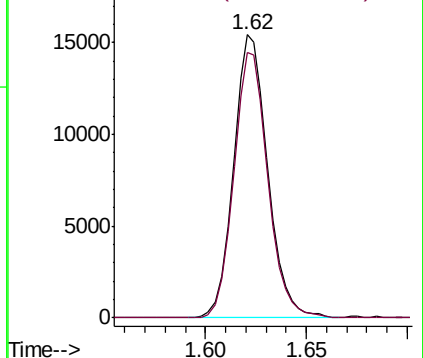
94 100

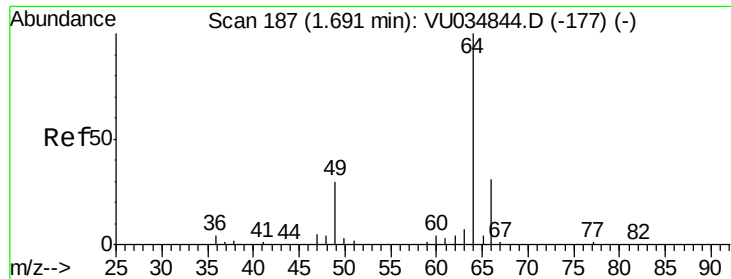
96 93.7 70.4 130.8



Abundance Ion 94.00 (93.70 to 94.70): VU034864.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU034864.D (-155) (-)

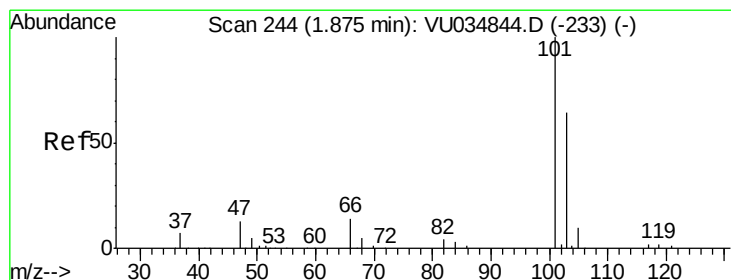
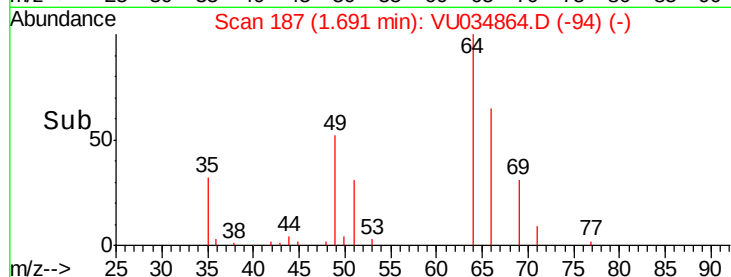
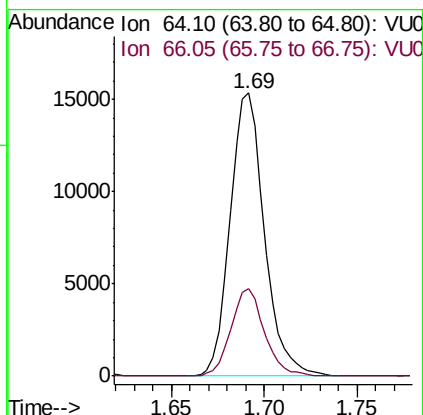
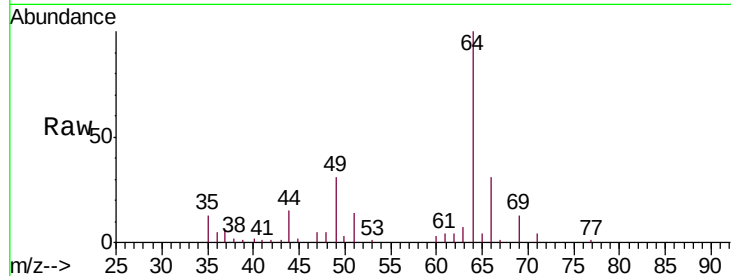




#8
Chloroethane
Concen: 5.486 ug/L
RT: 1.69 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU034864.D
Acq: 27 Sep 2019 10:23

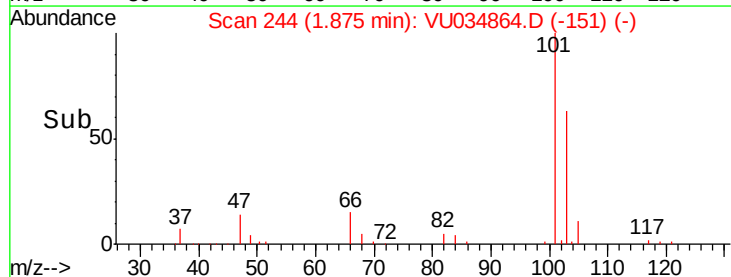
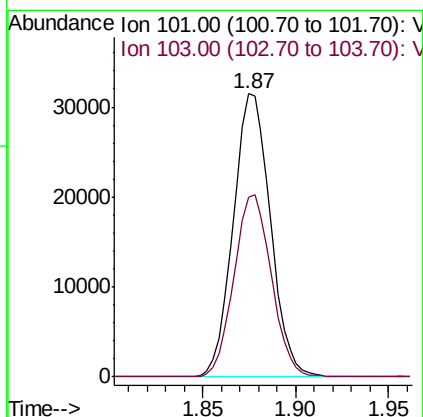
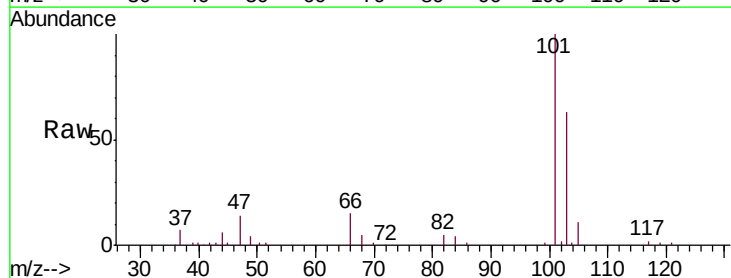
Instrument :
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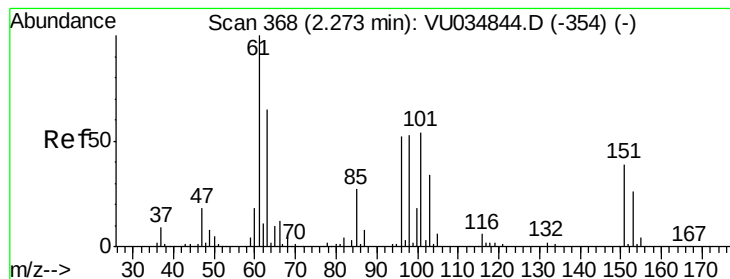
Tgt Ion: 64 Resp: 19662
Ion Ratio Lower Upper
64 100
66 31.0 22.6 42.0



#9
Trichlorofluoromethane
Concen: 5.371 ug/L
RT: 1.87 min Scan# 244
Delta R.T. -0.00 min
Lab File: VU034864.D
Acq: 27 Sep 2019 10:23

Tgt Ion: 101 Resp: 43765
Ion Ratio Lower Upper
101 100
103 64.7 53.2 79.8





#10

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

Concen: 5.683 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034864.D

Acq: 27 Sep 2019 10:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

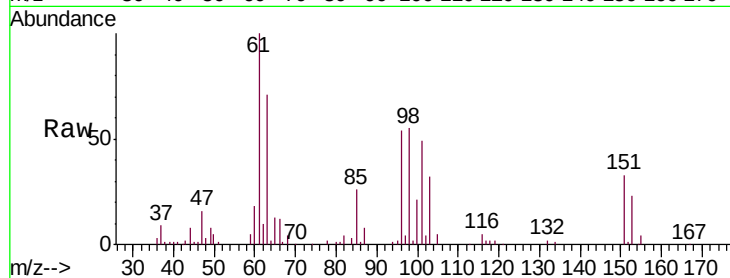
Tgt Ion:101 Resp: 26018

Ion Ratio Lower Upper

101 100

85 48.6 41.9 62.9

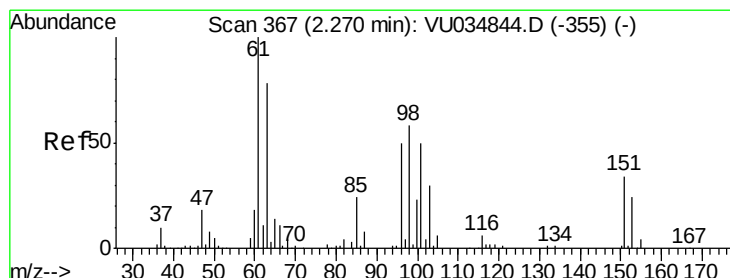
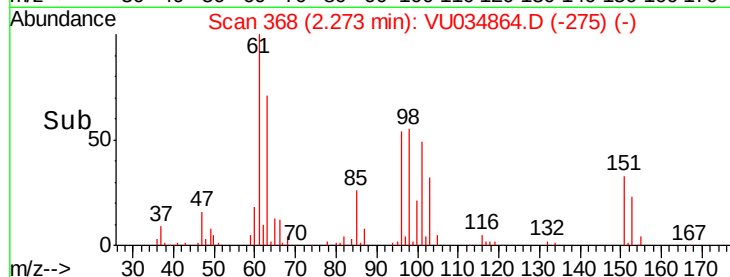
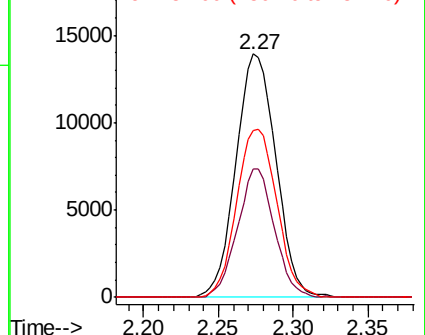
151 69.3 46.4 69.6



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: 5.642 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034864.D

Acq: 27 Sep 2019 10:23

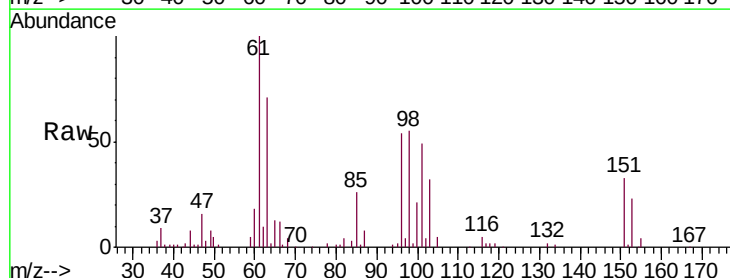
Tgt Ion: 96 Resp: 22872

Ion Ratio Lower Upper

96 100

61 186.7 144.4 268.2

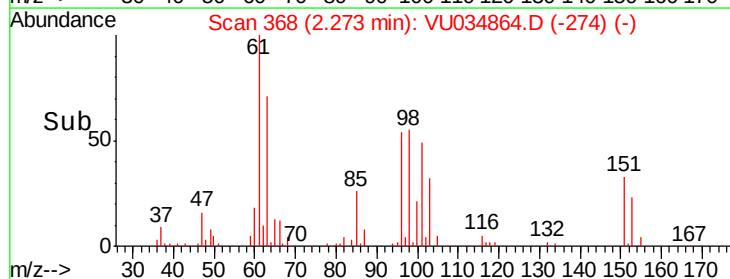
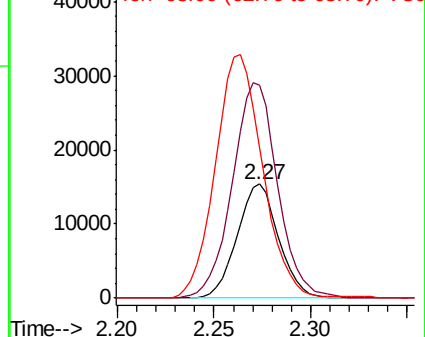
63 132.4 111.5 207.1

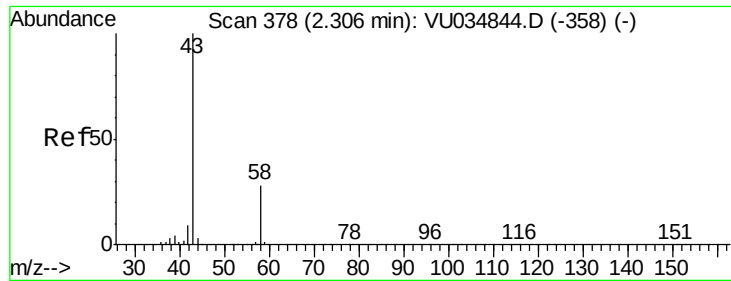


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 56.097 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VU034864.D

Acq: 27 Sep 2019 10:23

Instrument :

MSVOA_U

ClientSampleId :

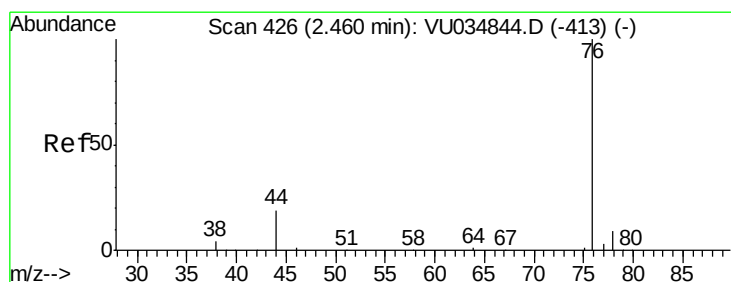
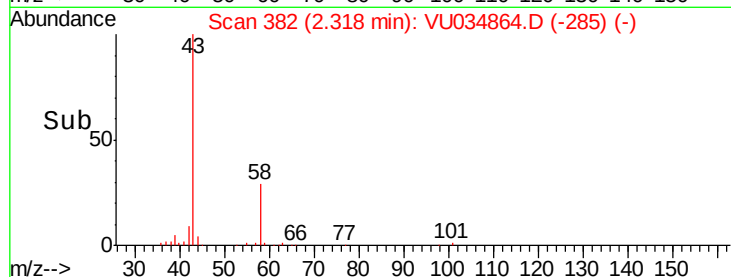
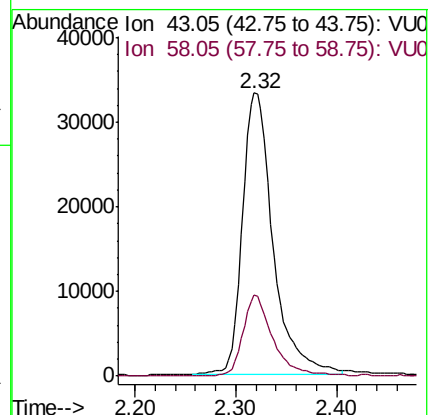
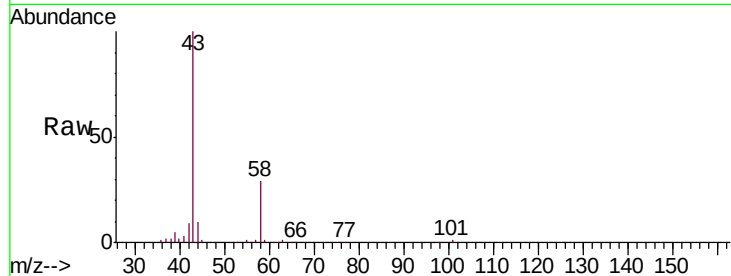
VSTD00524

Tgt Ion: 43 Resp: 69677

Ion Ratio Lower Upper

43 100

58 28.4 0.0 57.8



#14

Carbon disulfide

Concen: 4.852 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034864.D

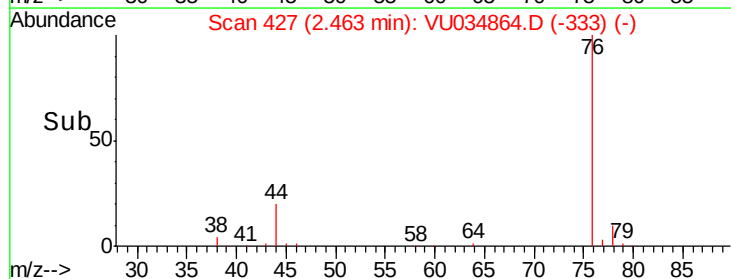
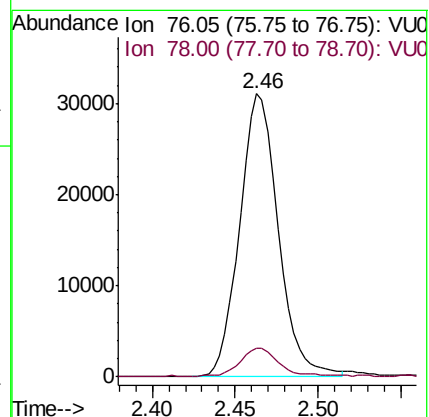
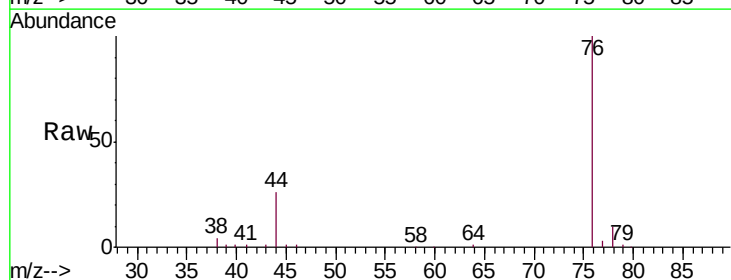
Acq: 27 Sep 2019 10:23

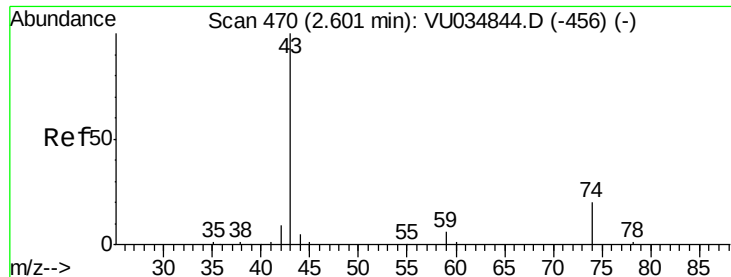
Tgt Ion: 76 Resp: 50423

Ion Ratio Lower Upper

76 100

78 10.3 7.7 11.5





#15

Methyl Acetate

Concen: 5.426 ug/L

RT: 2.61 min Scan# 472

Delta R.T. 0.01 min

Lab File: VU034864.D

Acq: 27 Sep 2019 10:23

Instrument :

MSVOA_U

ClientSampleId :

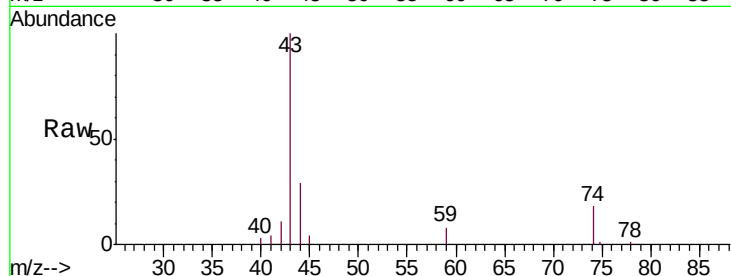
VSTD00524

Tgt Ion: 43 Resp: 16450

Ion Ratio Lower Upper

43 100

74 18.8 14.2 21.2



Abundance Ion 43.05 (42.75 to 43.75): VU034864.D (-456) (-)

Ion 74.05 (73.75 to 74.75): VU034864.D (-456) (-)

2.61

10000

8000

6000

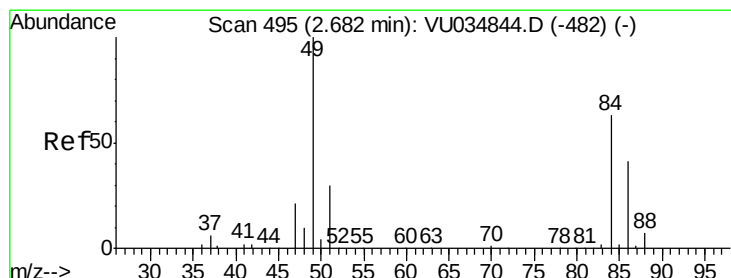
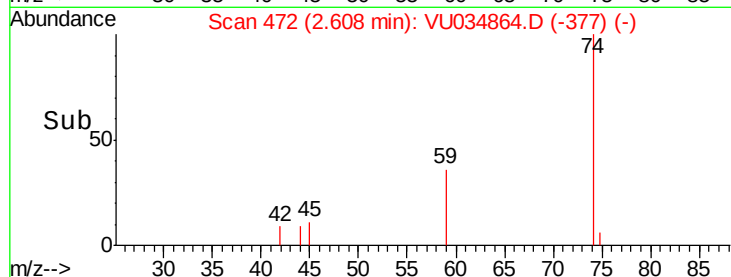
4000

2000

0

Time-->

2.55 2.60 2.65 2.70



#16

Methylene chloride

Concen: 5.008 ug/L

RT: 2.68 min Scan# 495

Delta R.T. -0.00 min

Lab File: VU034864.D

Acq: 27 Sep 2019 10:23

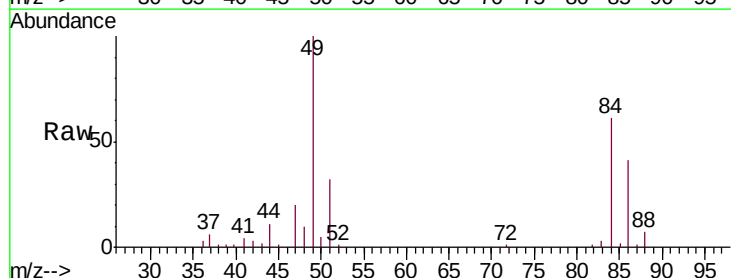
Tgt Ion: 84 Resp: 27006

Ion Ratio Lower Upper

84 100

86 66.4 43.0 80.0

49 163.3 110.9 205.9



Abundance Ion 84.05 (83.75 to 84.75): VU034864.D (-482) (-)

Ion 86.00 (85.70 to 86.70): VU034864.D (-482) (-)

Ion 49.10 (48.80 to 49.80): VU034864.D (-482) (-)

2.68

30000

25000

20000

15000

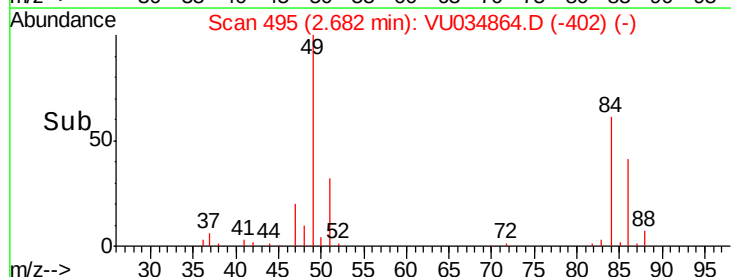
10000

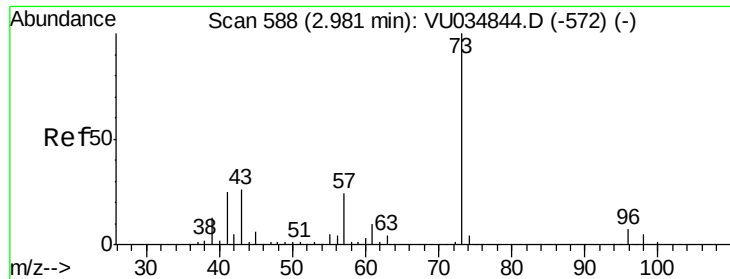
5000

0

Time-->

2.60 2.65 2.70 2.75

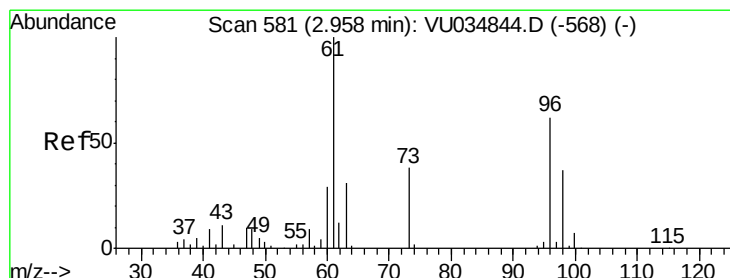
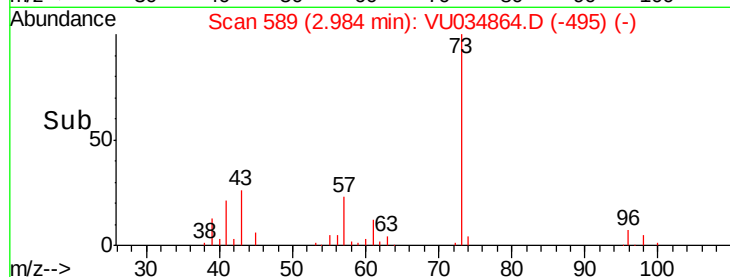
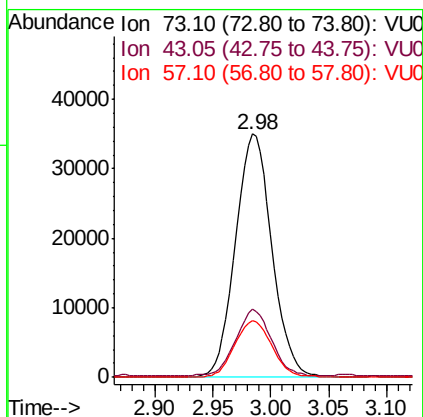
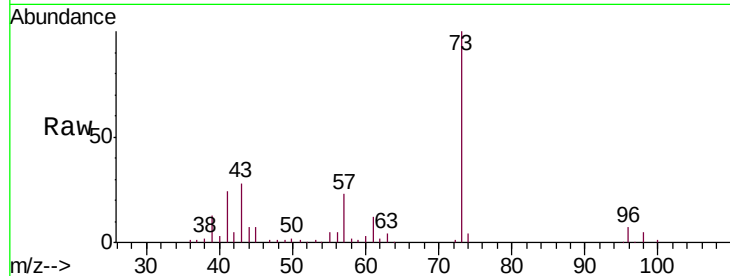




#17
Methyl tert-butyl Ether
Concen: 5.391 ug/L
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034864.D
Acq: 27 Sep 2019 10:23

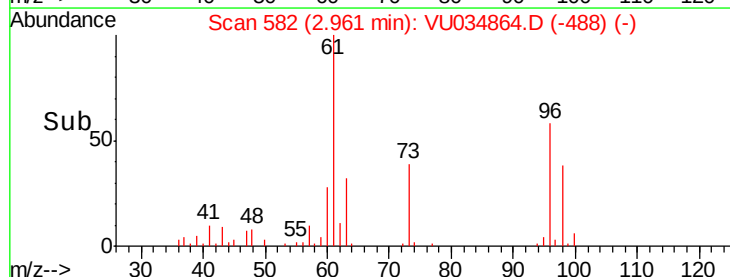
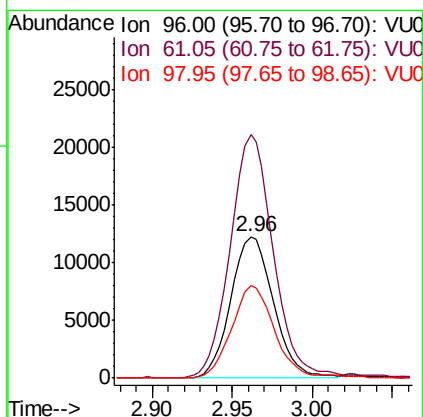
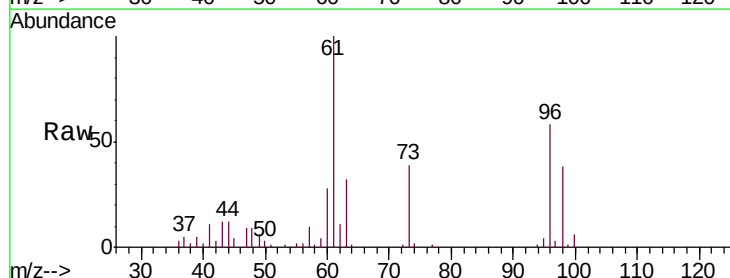
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

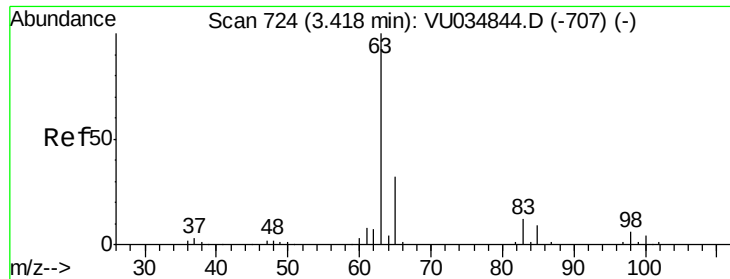
Tgt Ion: 73 Resp: 76520
Ion Ratio Lower Upper
73 100
43 26.5 20.3 30.5
57 23.8 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 5.296 ug/L
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU034864.D
Acq: 27 Sep 2019 10:23

Tgt Ion: 96 Resp: 22309
Ion Ratio Lower Upper
96 100
61 171.8 118.2 219.6
98 65.6 44.8 83.2

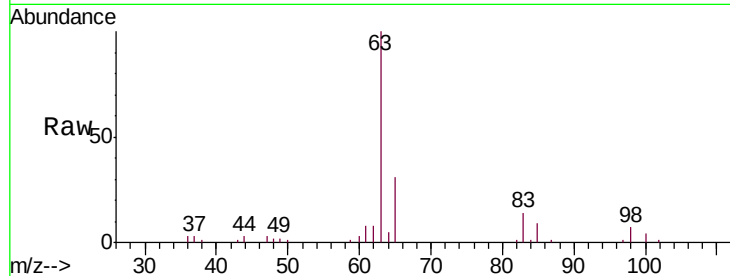




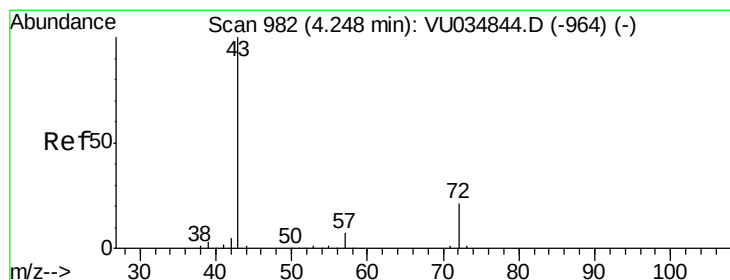
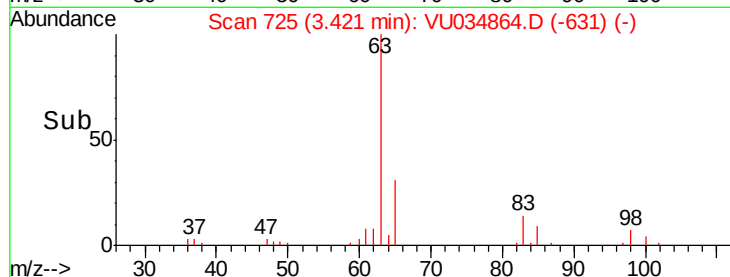
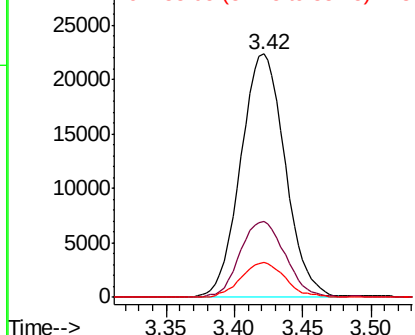
#19
 1,1-Dichloroethane
 Concen: 4.917 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU034864.D
 Acq: 27 Sep 2019 10:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tgt Ion: 63 Resp: 50559
 Ion Ratio Lower Upper
 63 100
 65 31.0 21.9 40.7
 83 14.1 9.4 17.6

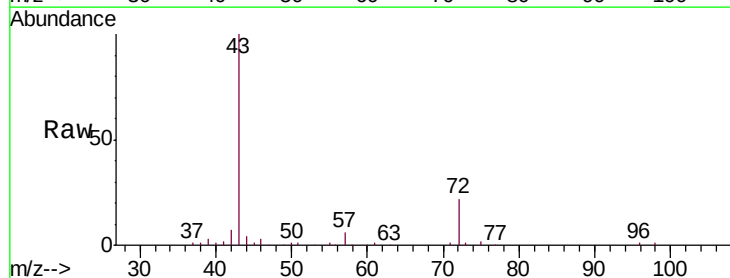


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

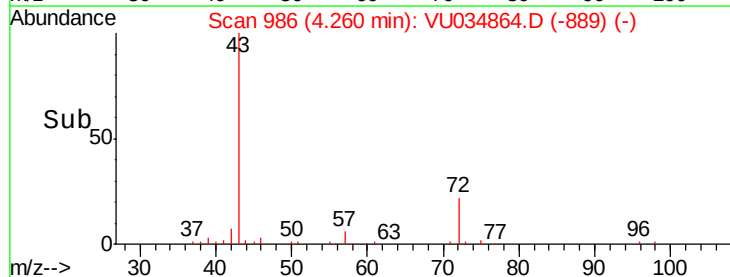
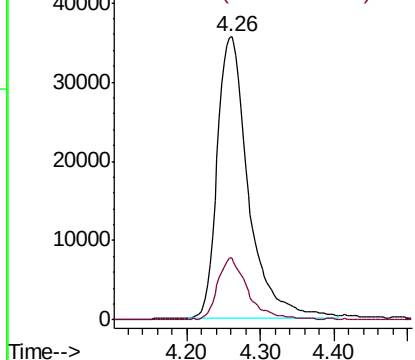


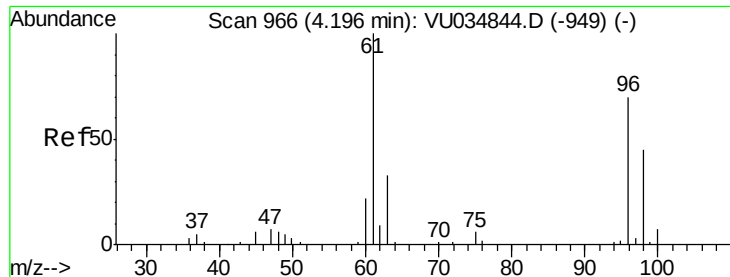
#21
 2-Butanone
 Concen: 58.419 ug/L
 RT: 4.26 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VU034864.D
 Acq: 27 Sep 2019 10:23

Tgt Ion: 43 Resp: 104458
 Ion Ratio Lower Upper
 43 100
 72 21.5 10.8 32.3



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





#22

cis-1,2-Dichloroethene

Concen: 4.798 ug/L

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU034864.D

Acq: 27 Sep 2019 10:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

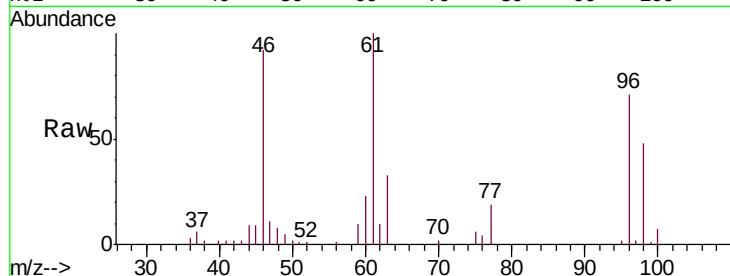
Tgt Ion: 96 Resp: 27034

Ion Ratio Lower Upper

96 100

61 141.8 100.0 185.8

68 0.0 0.0 0.0

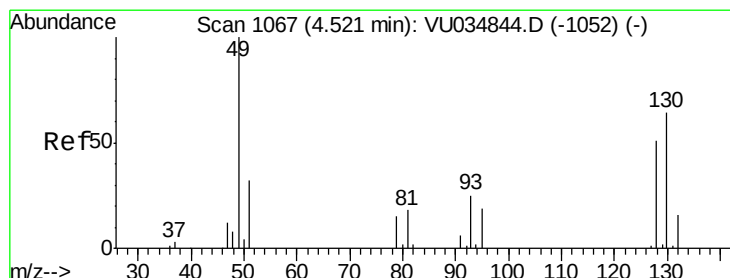
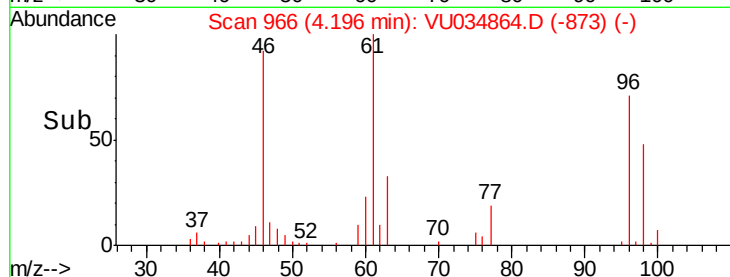
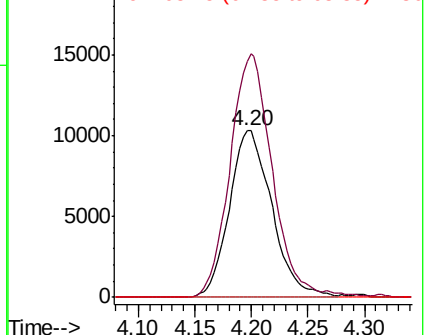


Abundance

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: 5.165 ug/L

RT: 4.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU034864.D

Acq: 27 Sep 2019 10:23

Tgt Ion: 128 Resp: 10728

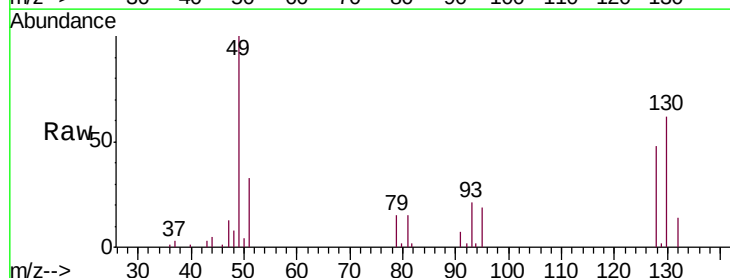
Ion Ratio Lower Upper

128 100

49 210.2 149.9 278.3

130 130.1 91.3 169.6

51 68.8 55.7 83.5



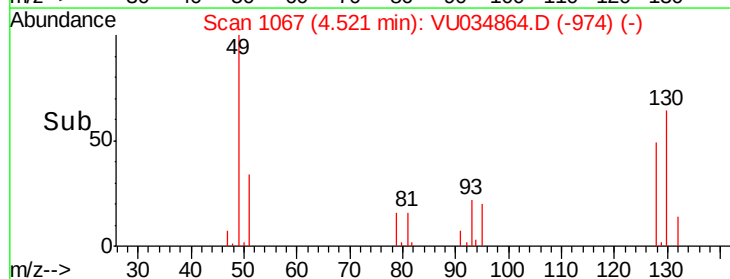
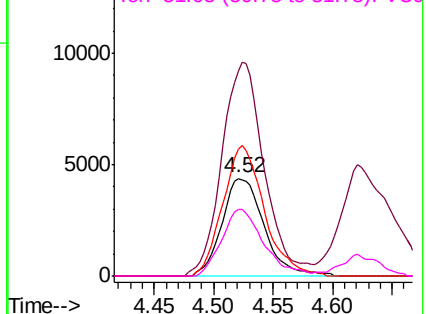
Abundance

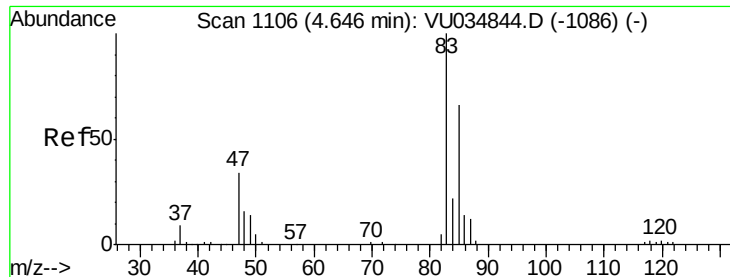
Ion 127.90 (127.60 to 128.60): V

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

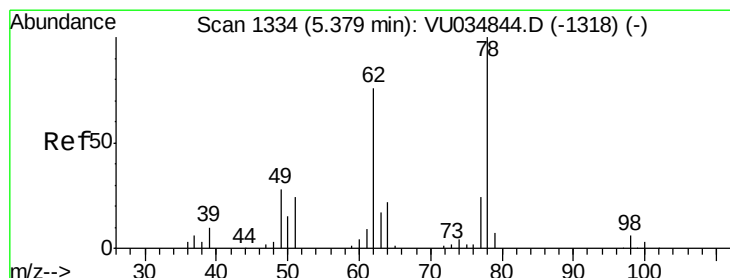
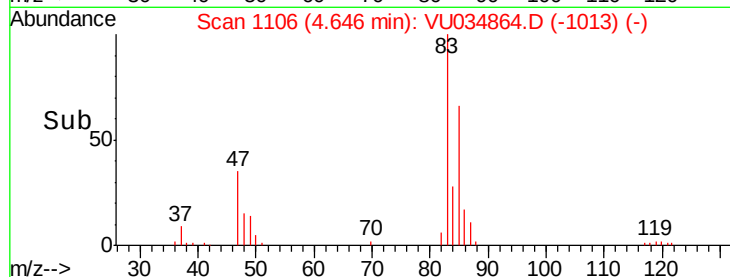
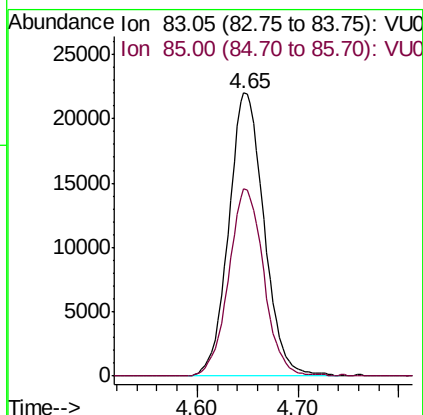
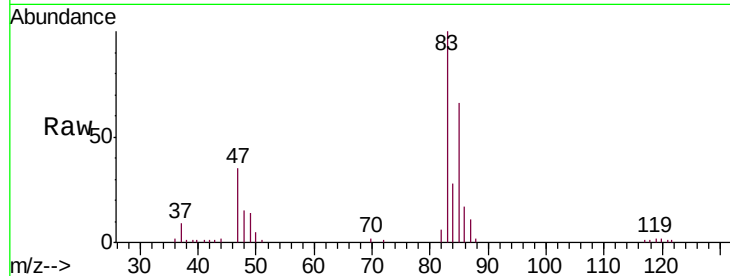




#25
Chloroform
Concen: 4.658 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU034864.D
Acq: 27 Sep 2019 10:23

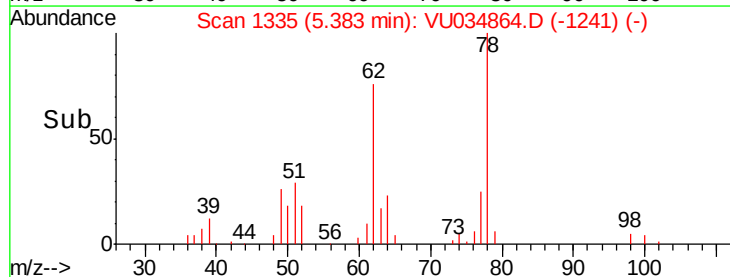
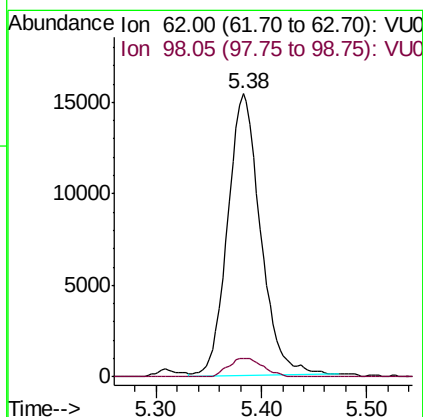
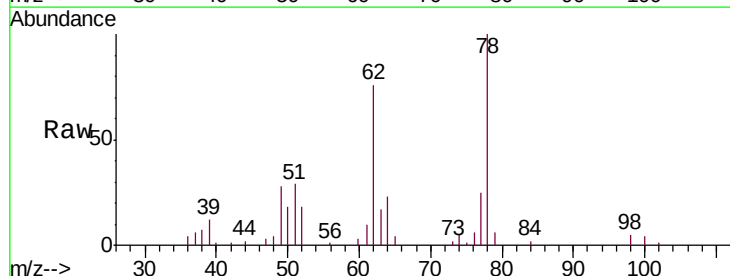
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

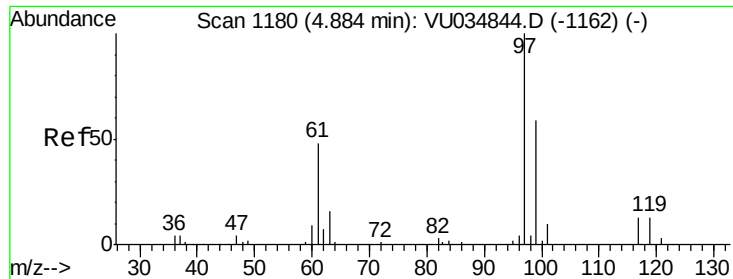
Tgt Ion: 83 Resp: 53581
Ion Ratio Lower Upper
83 100
85 66.2 42.8 79.4



#27
1,2-Dichloroethane
Concen: 5.019 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034864.D
Acq: 27 Sep 2019 10:23

Tgt Ion: 62 Resp: 33214
Ion Ratio Lower Upper
62 100
98 6.4 7.0 10.6#

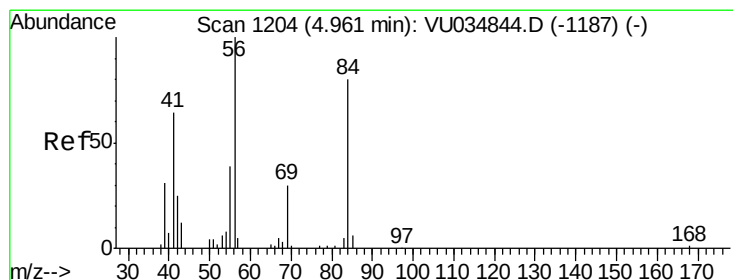
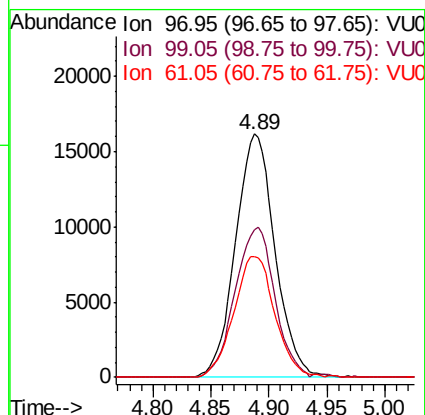
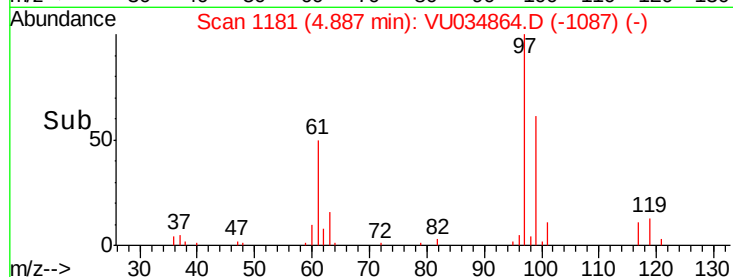
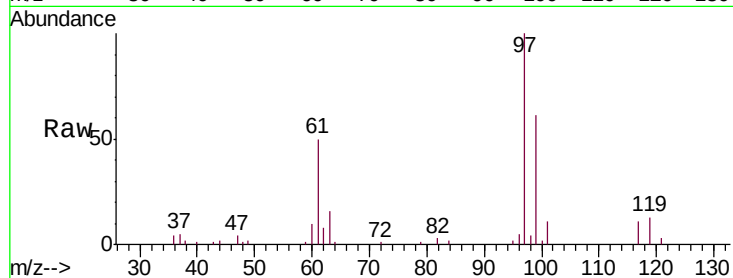




#29
1,1,1-Trichloroethane
Concen: 4.578 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU034864.D
Acq: 27 Sep 2019 10:23

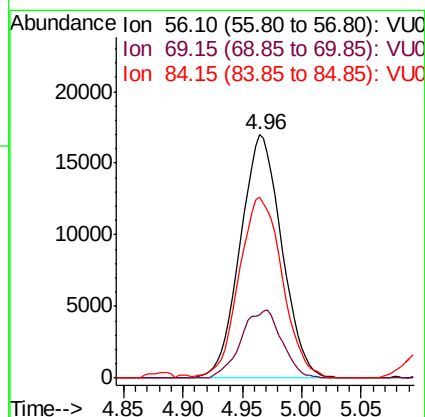
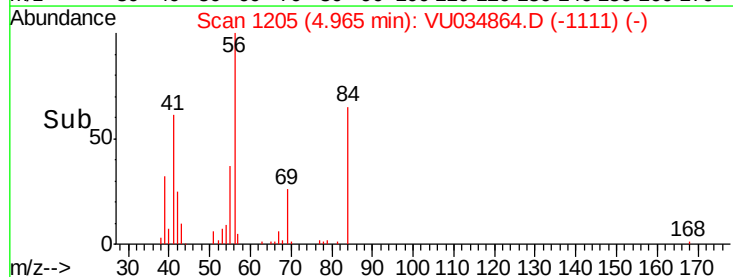
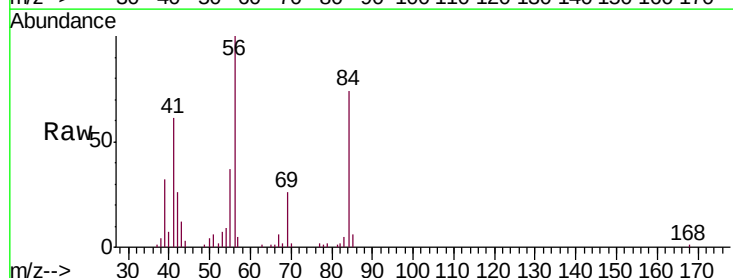
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

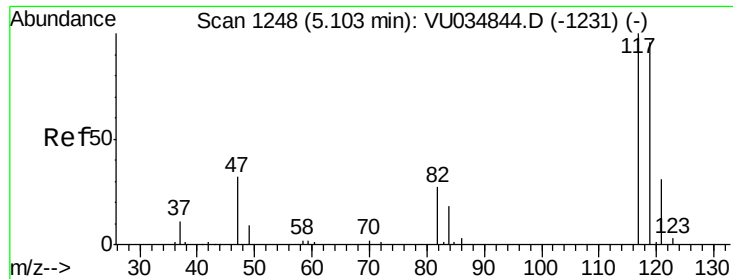
Tgt Ion: 97 Resp: 38267
Ion Ratio Lower Upper
97 100
99 62.1 50.0 75.0
61 51.7 39.8 59.6



#30
Cyclohexane
Concen: 4.664 ug/L
RT: 4.96 min Scan# 1205
Delta R.T. 0.00 min
Lab File: VU034864.D
Acq: 27 Sep 2019 10:23

Tgt Ion: 56 Resp: 40982
Ion Ratio Lower Upper
56 100
69 27.5 21.4 32.2
84 77.6 64.2 96.2





#31

Carbon tetrachloride

Concen: 4.616 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU034864.D

Acq: 27 Sep 2019 10:23

Instrument :

MSVOA_U

ClientSampleId :

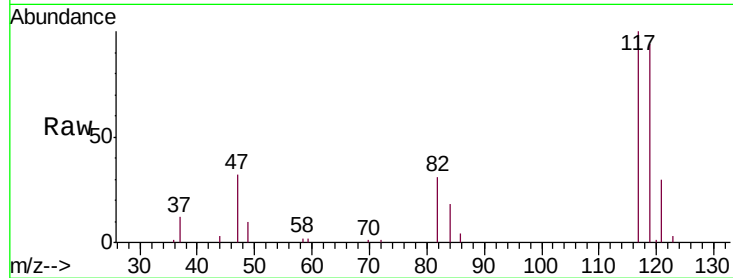
VSTD00524

Tgt Ion:117 Resp: 31401

Ion Ratio Lower Upper

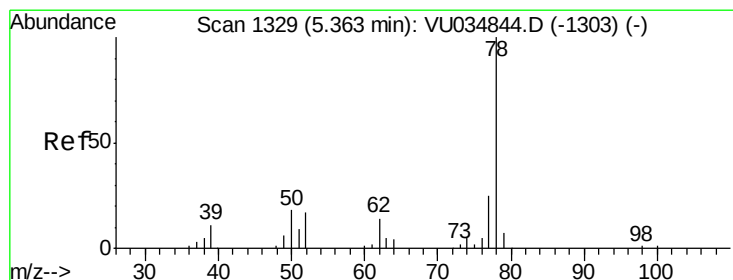
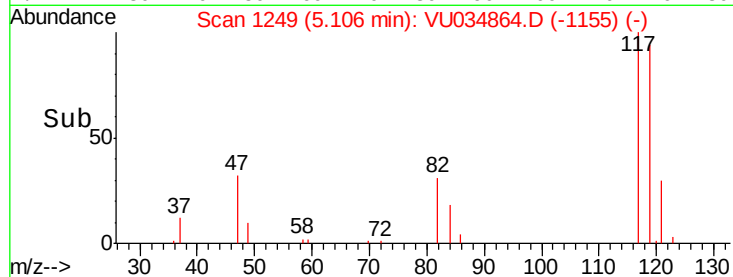
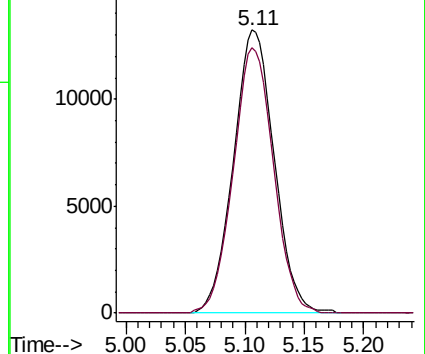
117 100

119 92.5 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: 4.746 ug/L

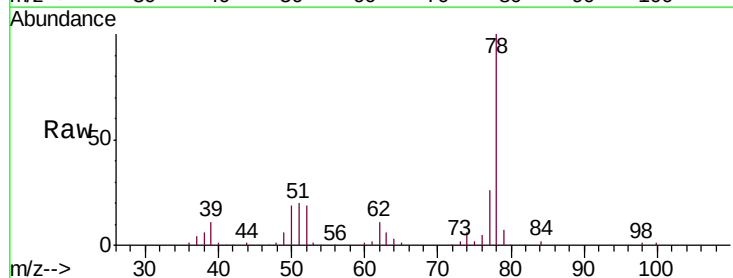
RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

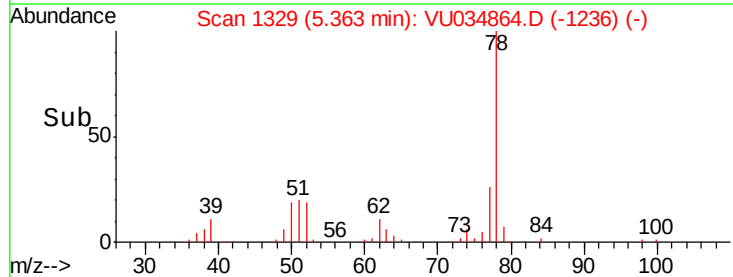
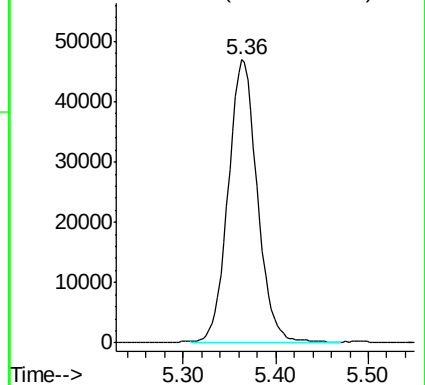
Lab File: VU034864.D

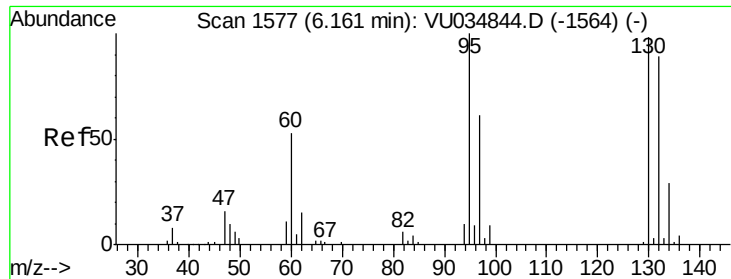
Acq: 27 Sep 2019 10:23

Tgt Ion: 78 Resp: 101745



Abundance Ion 78.10 (77.80 to 78.80): VU0

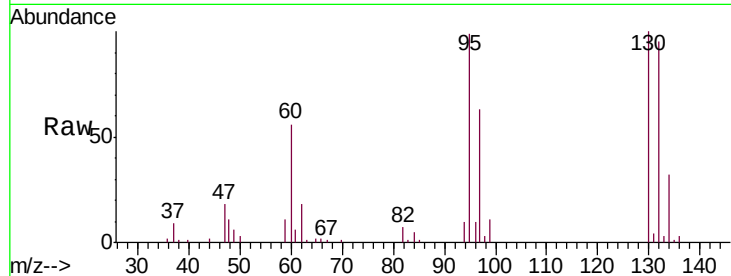




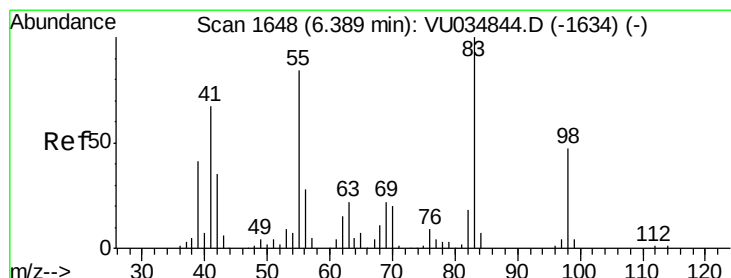
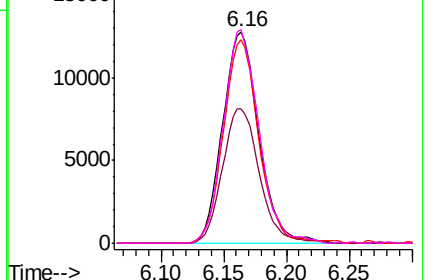
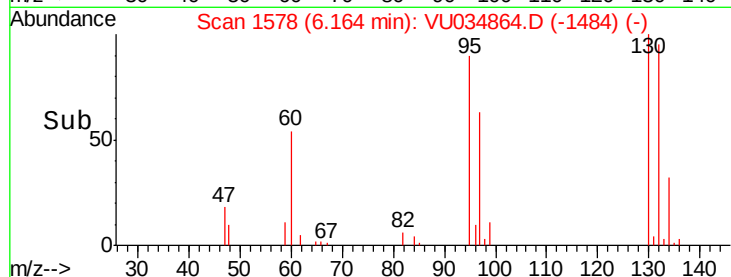
#34
 Trichloroethene
 Concen: 4.797 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU034864.D
 Acq: 27 Sep 2019 10:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tgt Ion: 95 Resp: 25635
 Ion Ratio Lower Upper
 95 100
 97 63.8 45.2 84.0
 132 96.0 60.9 113.1
 130 100.9 64.3 119.3

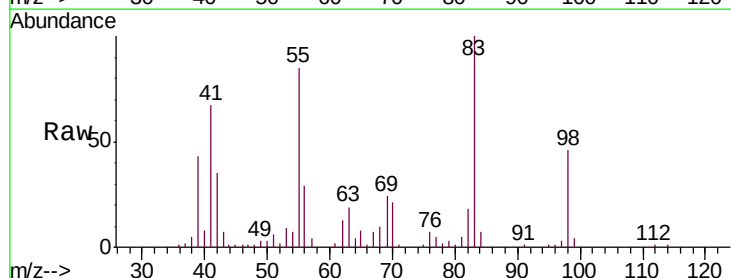


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

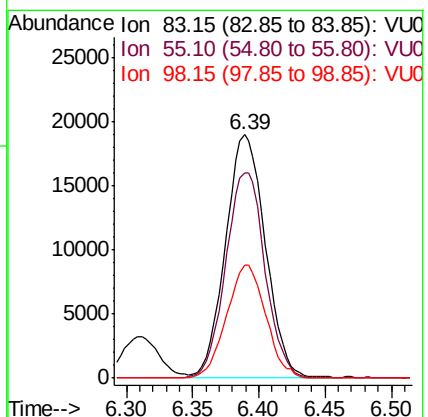
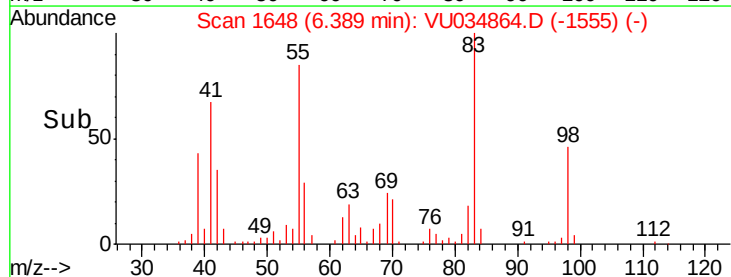


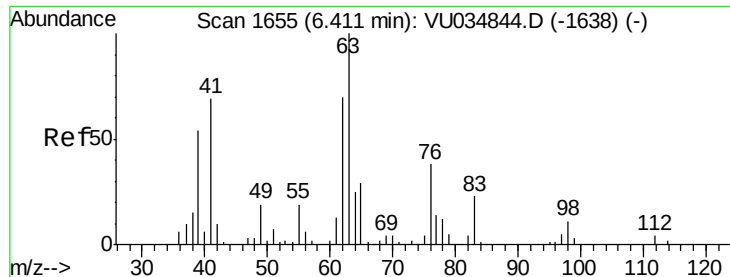
#35
 Methylcyclohexane
 Concen: 4.608 ug/L
 RT: 6.39 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU034864.D
 Acq: 27 Sep 2019 10:23

Tgt Ion: 83 Resp: 39770
 Ion Ratio Lower Upper
 83 100
 55 83.1 66.8 100.2
 98 45.4 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

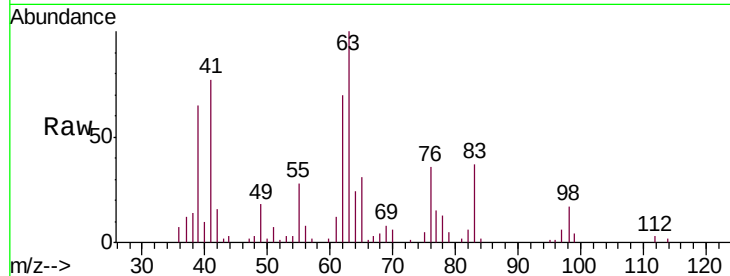




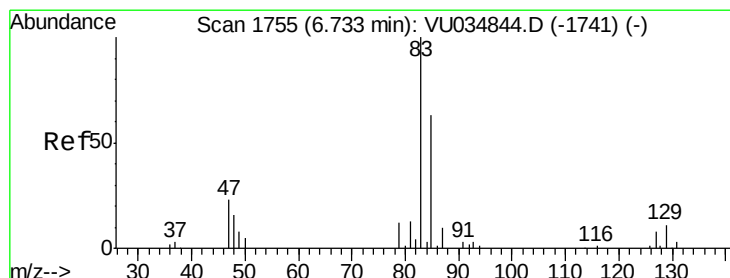
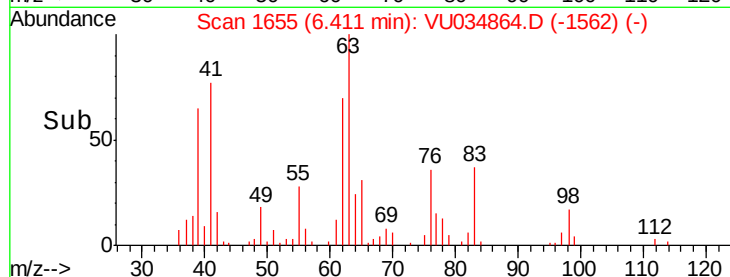
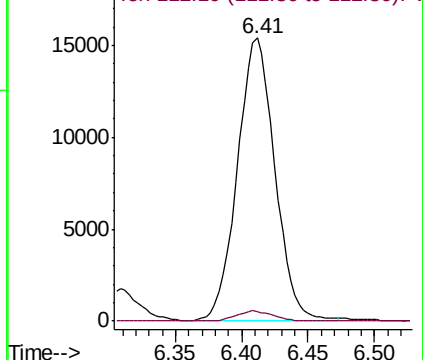
#37
 1,2-Dichloropropane
 Concen: 4.586 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU034864.D
 Acq: 27 Sep 2019 10:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tgt Ion: 63 Resp: 30358
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.2 3.2#

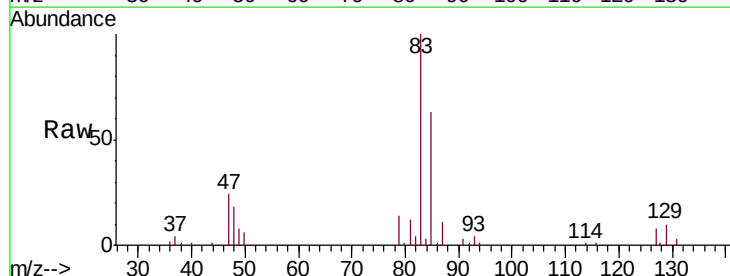


Abundance Ion 63.10 (62.80 to 63.80): VU034864.D (-1638) (-)
 Ion 112.10 (111.80 to 112.80): VU034864.D (-1638) (-)

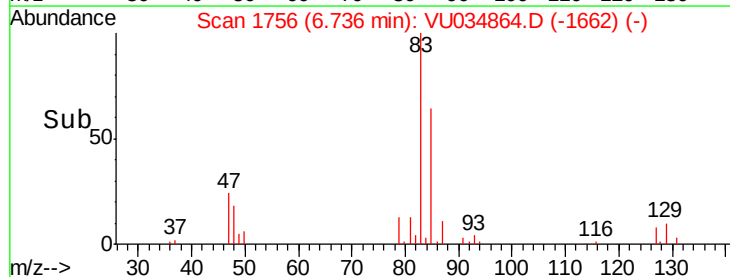
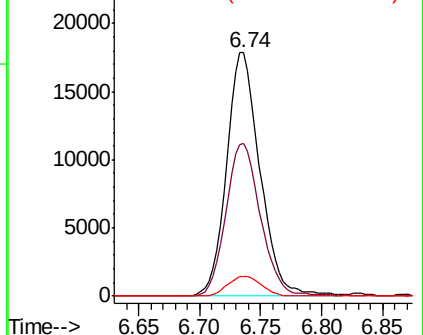


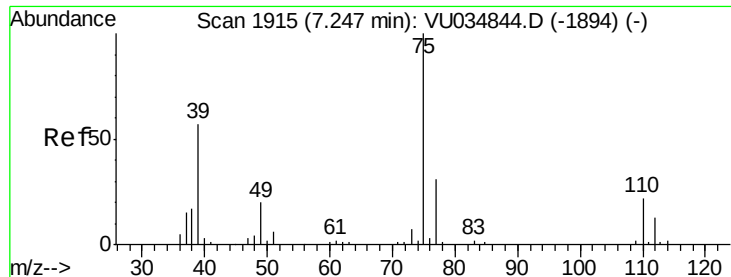
#38
 Bromodichloromethane
 Concen: 4.316 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU034864.D
 Acq: 27 Sep 2019 10:23

Tgt Ion: 83 Resp: 34186
 Ion Ratio Lower Upper
 83 100
 85 62.6 43.4 80.6
 127 8.2 6.2 9.2



Abundance Ion 82.95 (82.65 to 83.65): VU034864.D (-1741) (-)
 Ion 85.00 (84.70 to 85.70): VU034864.D (-1741) (-)
 Ion 126.90 (126.60 to 127.60): VU034864.D (-1741) (-)

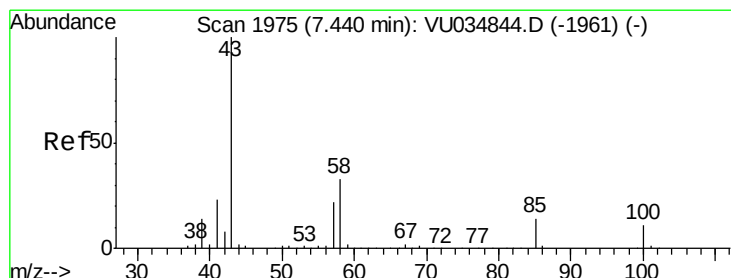
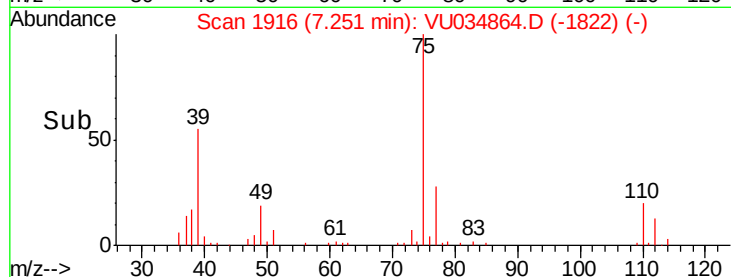
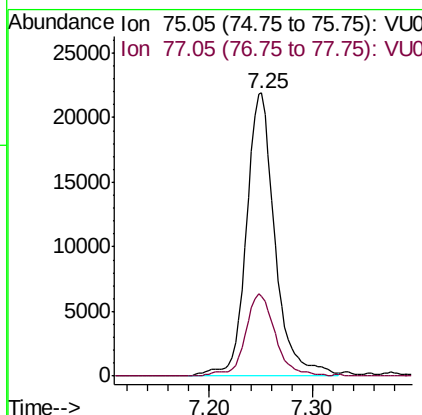
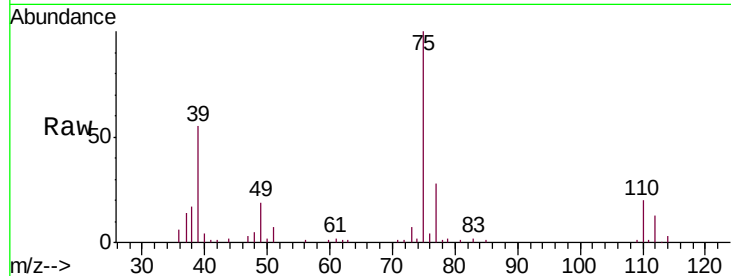




#39
 cis-1,3-Dichloropropene
 Concen: 4.526 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU034864.D
 Acq: 27 Sep 2019 10:23

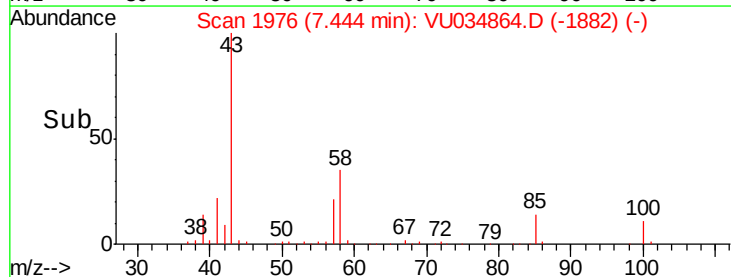
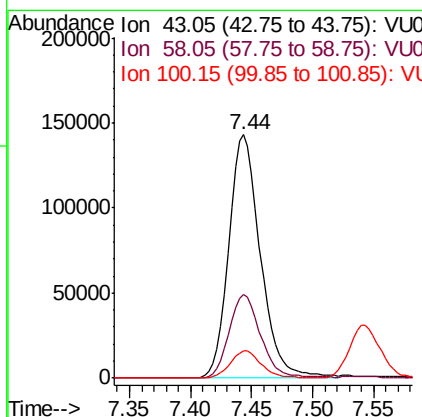
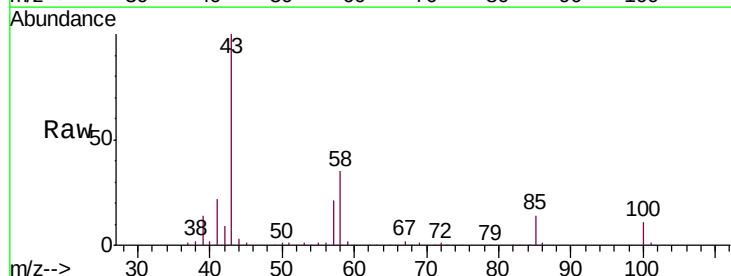
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

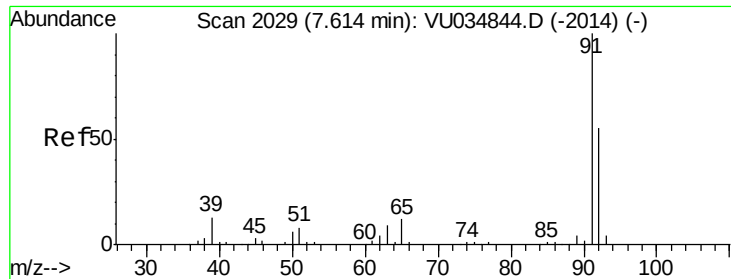
Tgt Ion: 75 Resp: 42177
 Ion Ratio Lower Upper
 75 100
 77 28.4 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 51.899 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VU034864.D
 Acq: 27 Sep 2019 10:23

Tgt Ion: 43 Resp: 258914
 Ion Ratio Lower Upper
 43 100
 58 34.4 28.6 42.8
 100 11.1 8.9 13.3





#42

Toluene

Concen: 4.965 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034864.D

Acq: 27 Sep 2019 10:23

Instrument :

MSVOA_U

ClientSampleId :

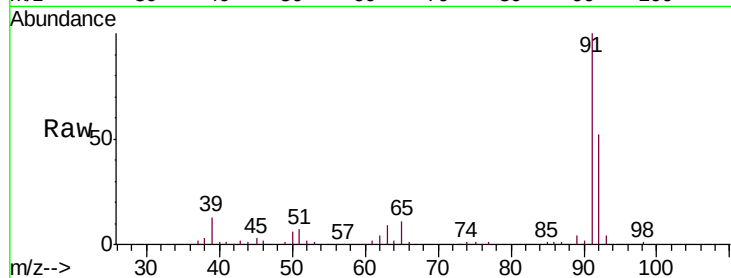
VSTD00524

Tgt Ion: 91 Resp: 115032

Ion Ratio Lower Upper

91 100

92 52.3 39.6 73.6



Abundance Ion 91.15 (90.85 to 91.85): VU034864.D (-2014) (-)

Ion 92.15 (91.85 to 92.85): VU034864.D (-2014) (-)

7.61

60000

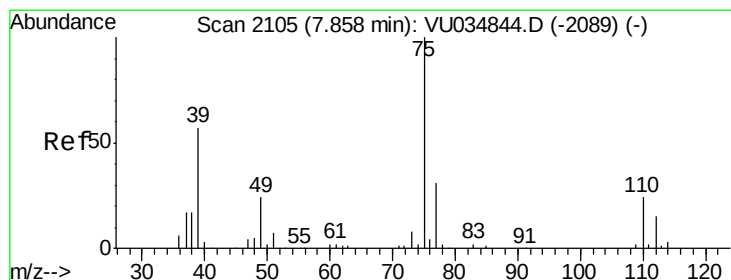
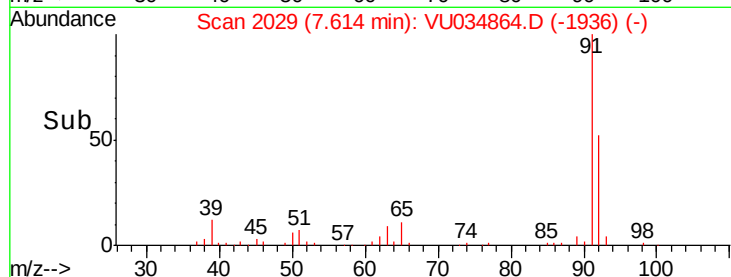
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.165 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034864.D

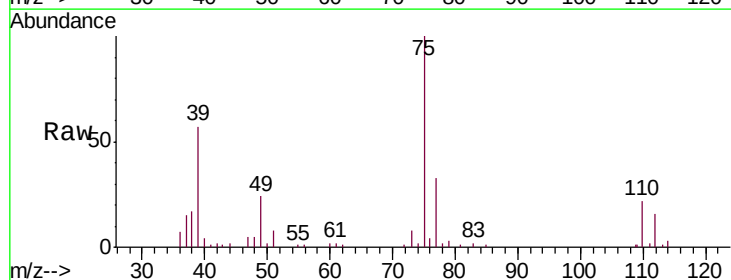
Acq: 27 Sep 2019 10:23

Tgt Ion: 75 Resp: 31487

Ion Ratio Lower Upper

75 100

77 32.9 21.1 39.3



Abundance Ion 75.05 (74.75 to 75.75): VU034864.D (-2089) (-)

Ion 77.05 (76.75 to 77.75): VU034864.D (-2089) (-)

7.86

20000

15000

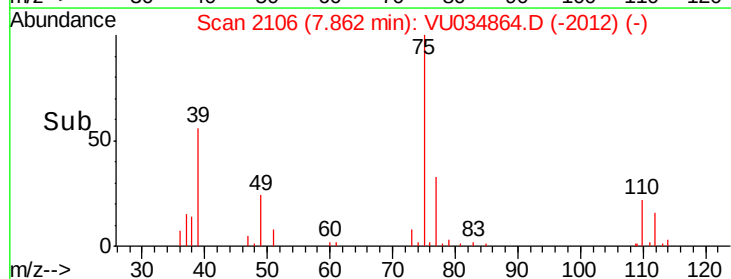
10000

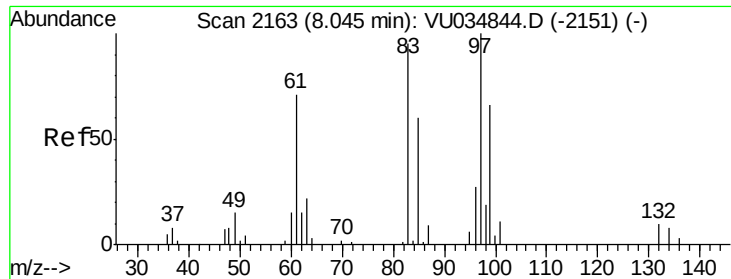
5000

0

7.80 7.85 7.90

Time-->

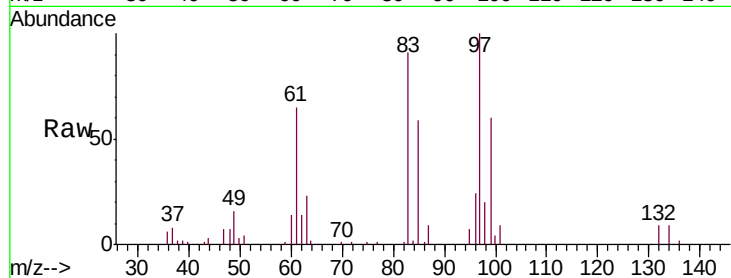




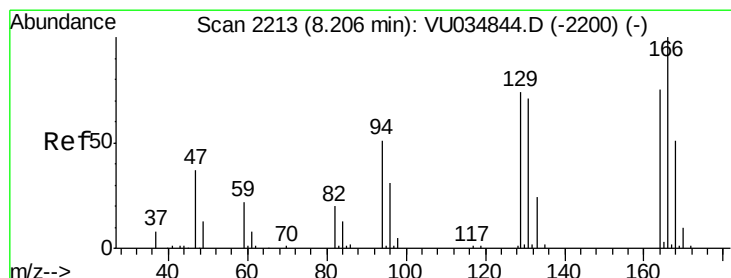
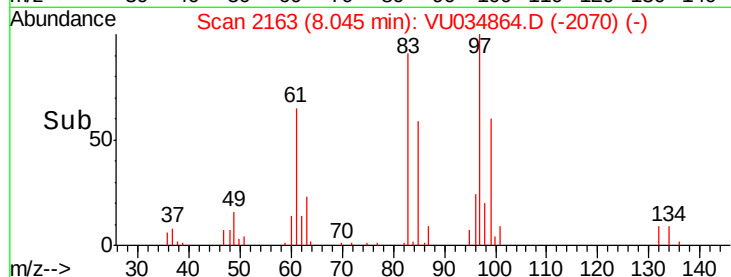
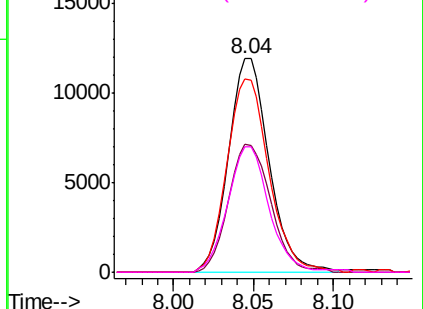
#45
 1,1,2-Trichloroethane
 Concen: 4.883 ug/L
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034864.D
 Acq: 27 Sep 2019 10:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tgt Ion:	97	Resp:	20556
Ion	Ratio	Lower	Upper
97	100		
99	59.8	42.5	78.9
83	90.6	65.9	122.5
85	58.9	43.5	80.9

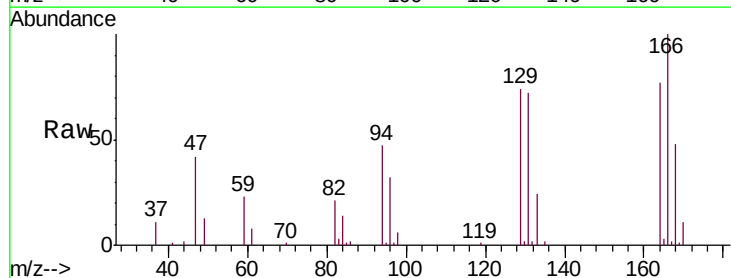


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

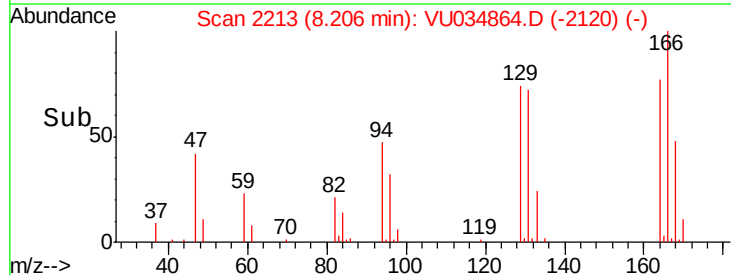
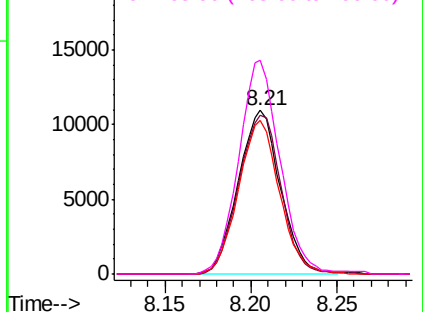


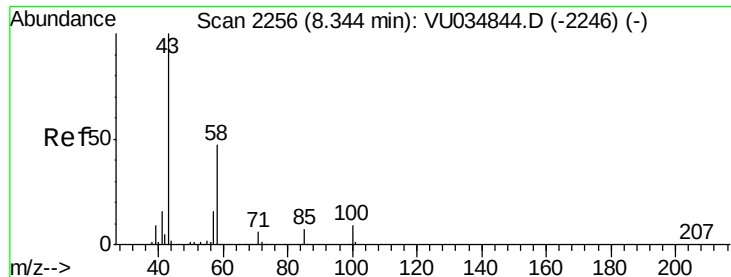
#47
 Tetrachloroethene
 Concen: 5.749 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU034864.D
 Acq: 27 Sep 2019 10:23

Tgt Ion:	164	Resp:	18625
Ion	Ratio	Lower	Upper
164	100		
129	97.1	73.6	136.8
131	94.1	73.4	136.4
166	130.7	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

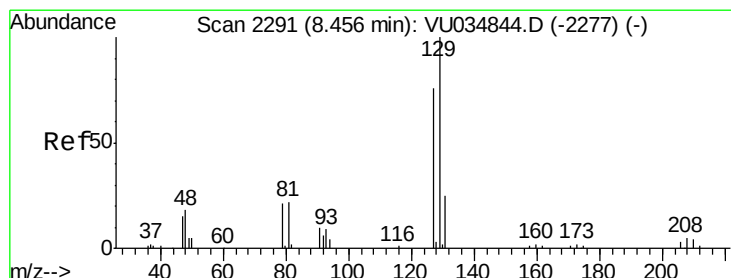
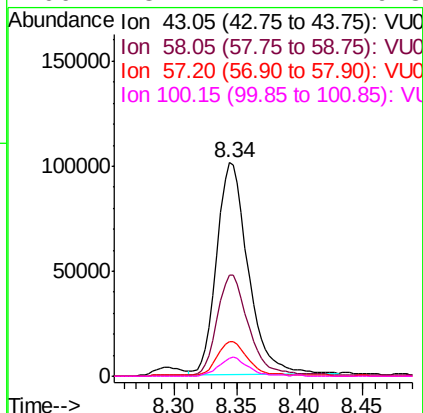
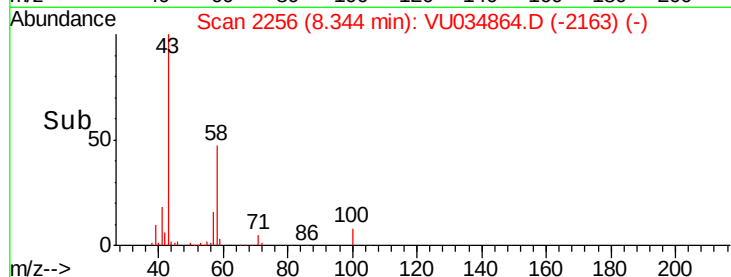
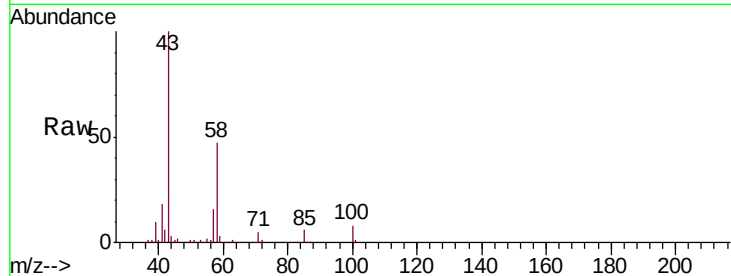




#48
2-Hexanone
Concen: 52.396 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU034864.D
Acq: 27 Sep 2019 10:23

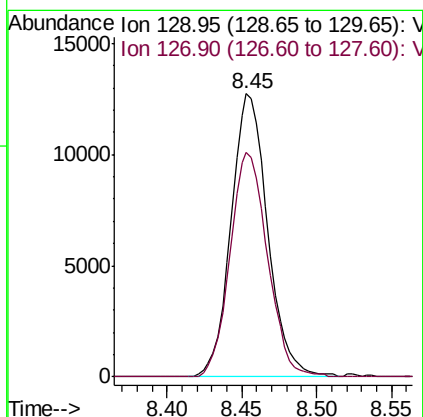
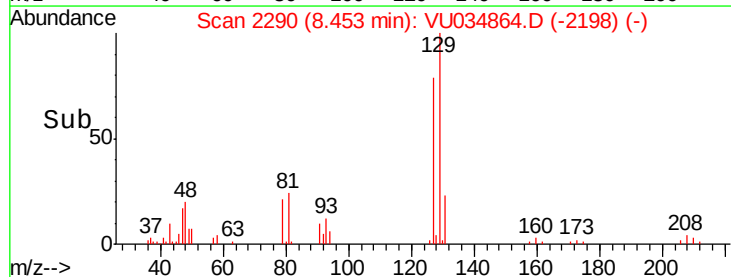
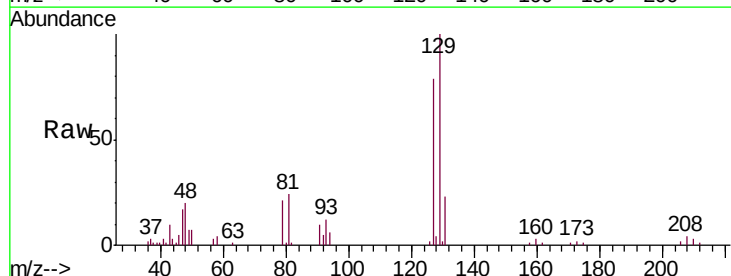
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

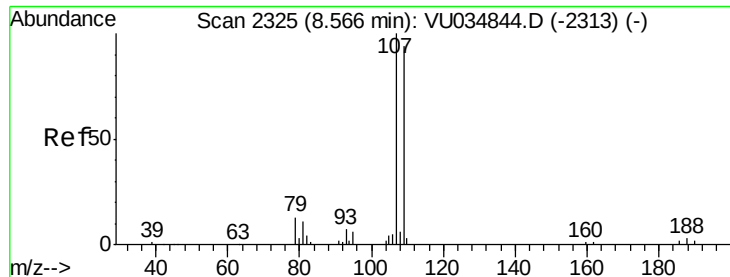
Tgt Ion:	43	Resp:	175675
Ion	Ratio	Lower	Upper
43	100		
58	47.1	41.2	61.8
57	15.8	13.3	19.9
100	8.4	7.2	10.8



#49
Dibromochloromethane
Concen: 4.402 ug/L
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034864.D
Acq: 27 Sep 2019 10:23

Tgt Ion:	129	Resp:	21734
Ion	Ratio	Lower	Upper
129	100		
127	79.4	53.0	98.4

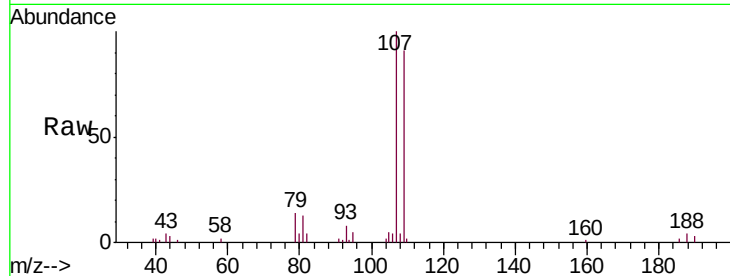




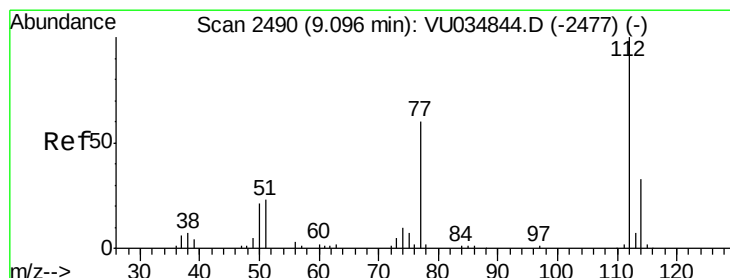
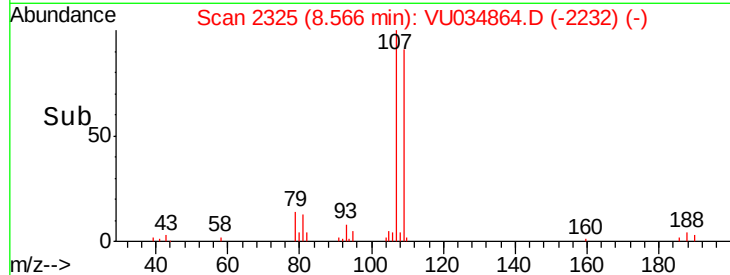
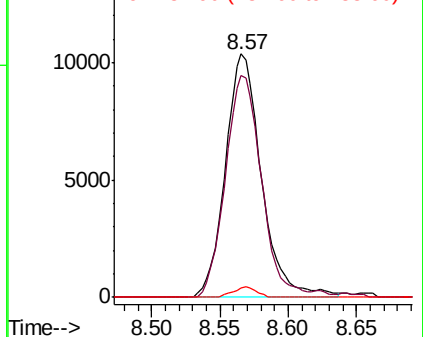
#50
 1,2-Dibromoethane
 Concen: 4.968 ug/L
 RT: 8.57 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU034864.D
 Acq: 27 Sep 2019 10:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tgt Ion:107 Resp: 19071
 Ion Ratio Lower Upper
 107 100
 109 90.9 66.3 123.1
 188 3.9 2.9 4.3

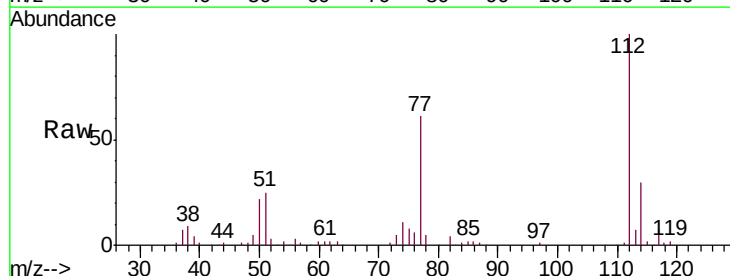


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

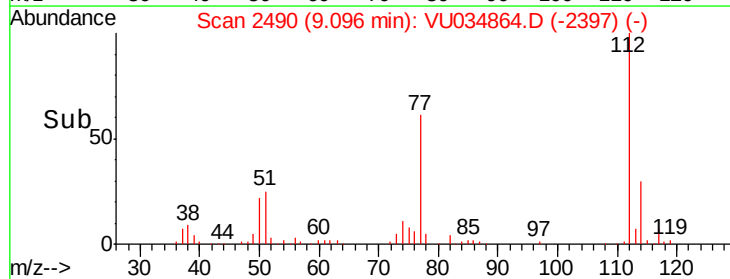
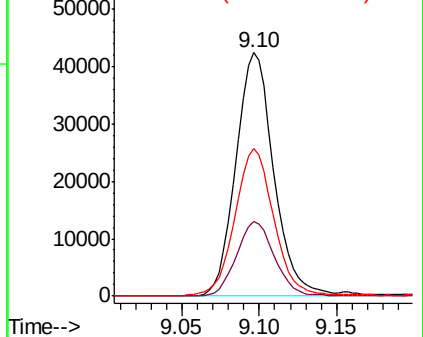


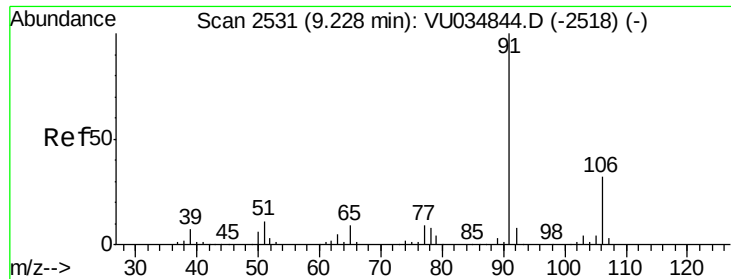
#51
 Chlorobenzene
 Concen: 4.986 ug/L
 RT: 9.10 min Scan# 2490
 Delta R.T. -0.00 min
 Lab File: VU034864.D
 Acq: 27 Sep 2019 10:23

Tgt Ion:112 Resp: 72416
 Ion Ratio Lower Upper
 112 100
 114 30.5 22.5 41.7
 77 60.5 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: 4.782 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034864.D

Acq: 27 Sep 2019 10:23

Instrument :

MSVOA_U

ClientSampleId :

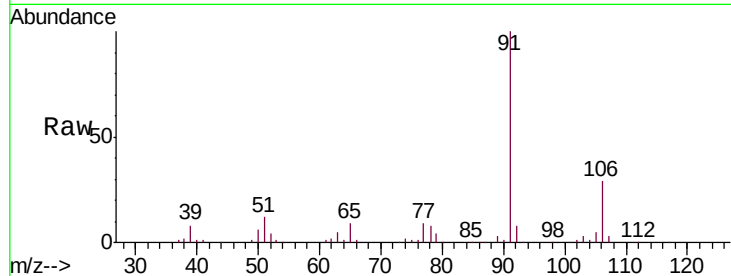
VSTD00524

Tgt Ion: 91 Resp: 128093

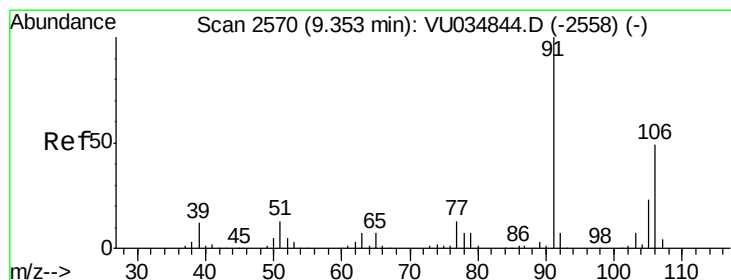
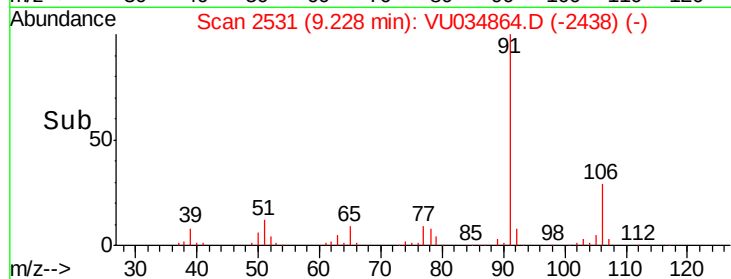
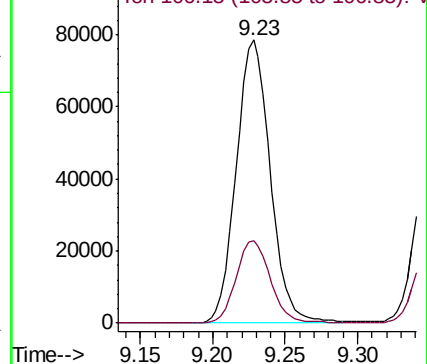
Ion Ratio Lower Upper

91 100

106 29.2 20.9 38.7



Abundance Ion 91.15 (90.85 to 91.85): VU034864.D (-2518) (-)



#53

m,p-Xylene

Concen: 4.808 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034864.D

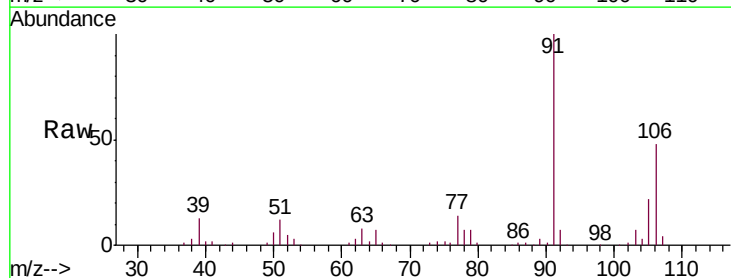
Acq: 27 Sep 2019 10:23

Tgt Ion: 106 Resp: 45671

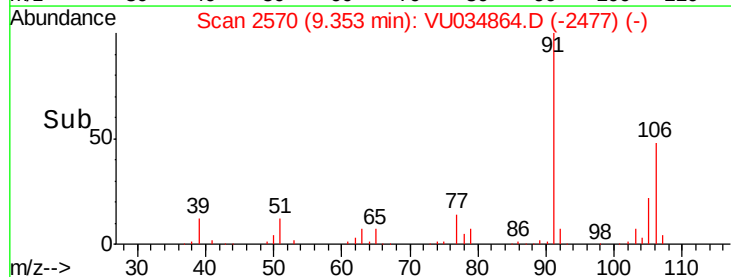
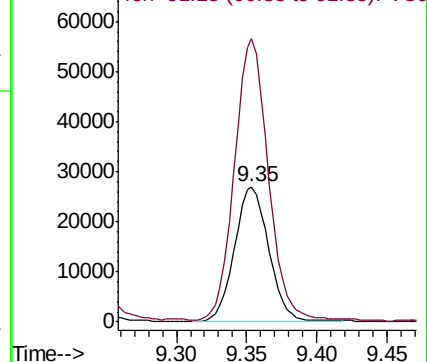
Ion Ratio Lower Upper

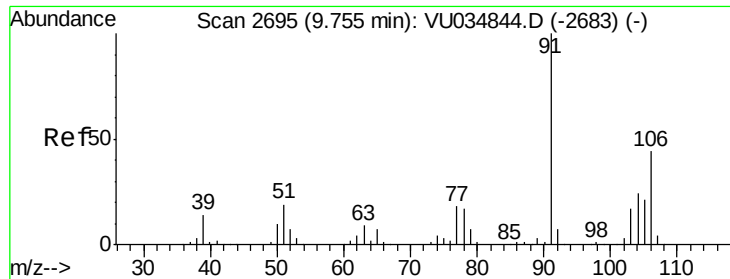
106 100

91 209.1 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): VU034864.D (-2558) (-)

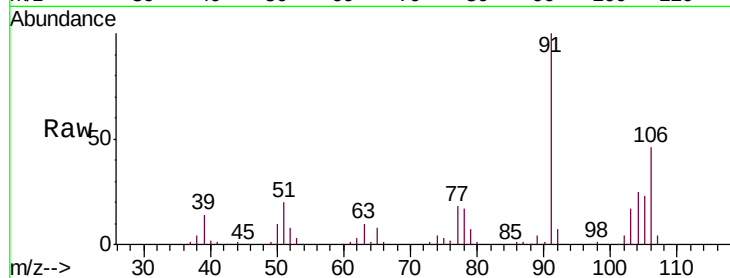




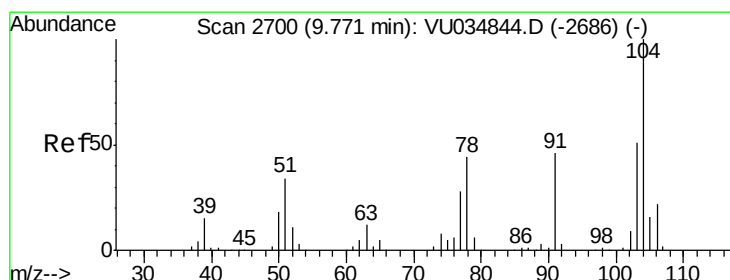
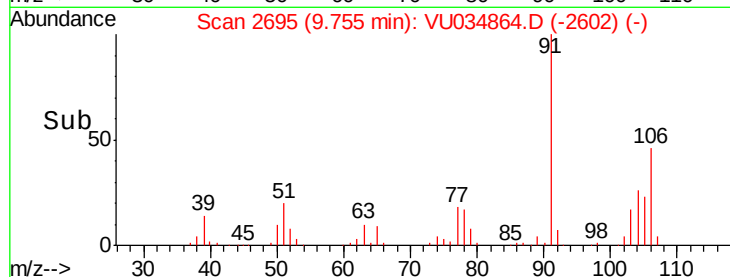
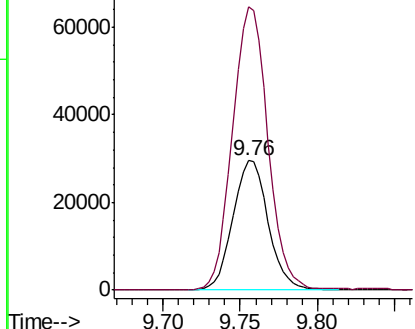
#54
o-Xylene
Concen: 4.901 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. -0.00 min
Lab File: VU034864.D
Acq: 27 Sep 2019 10:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tgt Ion:106 Resp: 46769
Ion Ratio Lower Upper
106 100
91 218.8 151.9 282.1

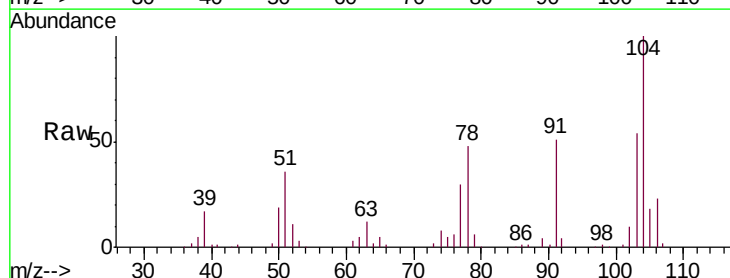


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

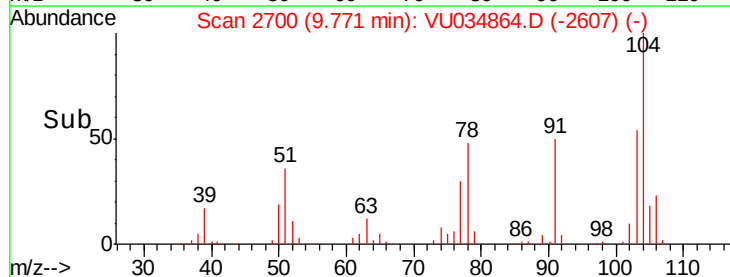
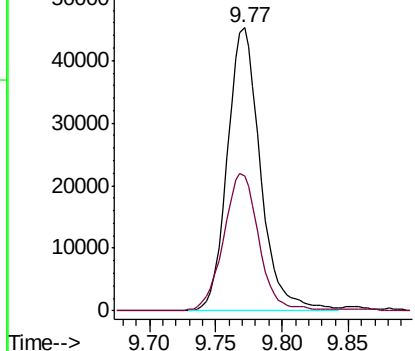


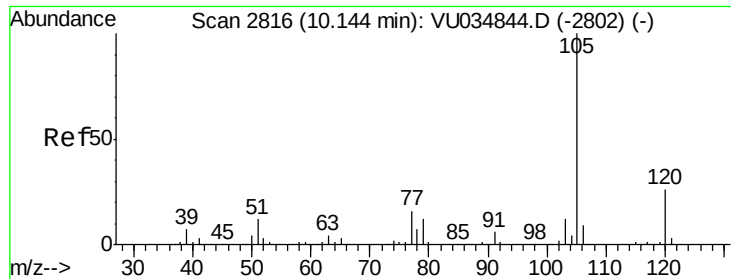
#55
Styrene
Concen: 4.959 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034864.D
Acq: 27 Sep 2019 10:23

Tgt Ion:104 Resp: 78606
Ion Ratio Lower Upper
104 100
78 47.8 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: 4.761 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034864.D

Acq: 27 Sep 2019 10:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

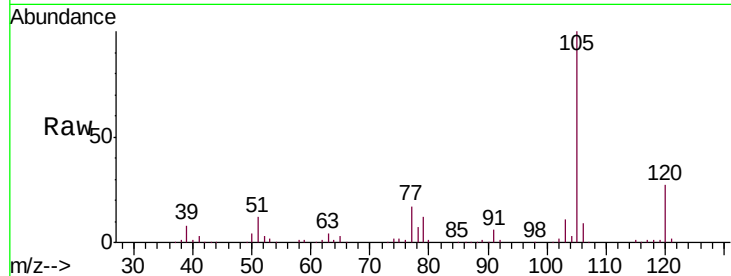
Tgt Ion: 105 Resp: 126222

Ion Ratio Lower Upper

105 100

120 26.5 19.8 29.6

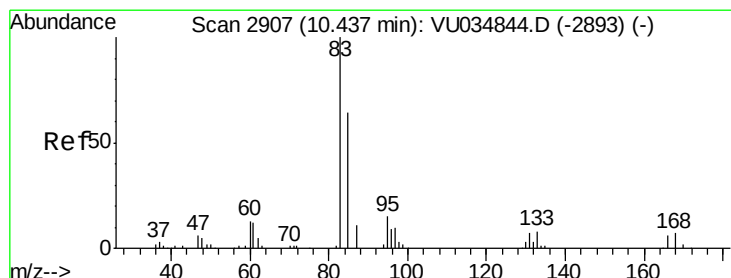
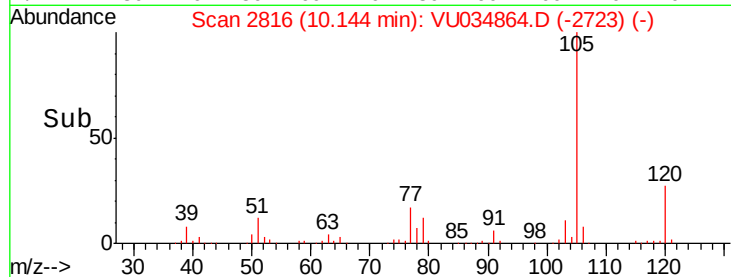
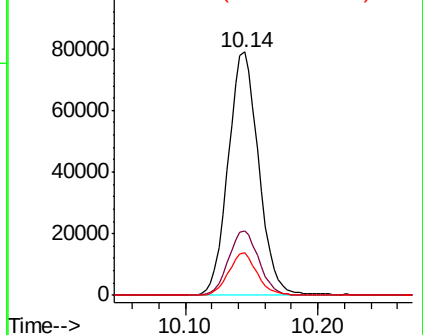
77 16.6 13.9 20.9



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: 4.605 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034864.D

Acq: 27 Sep 2019 10:23

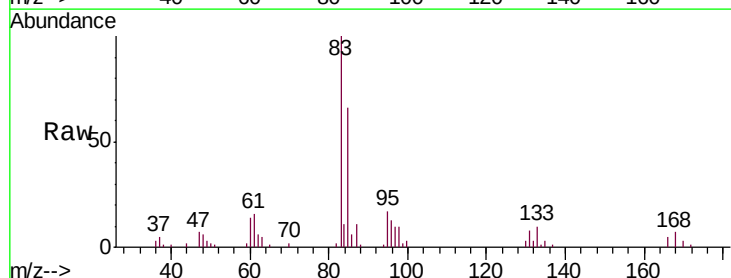
Tgt Ion: 83 Resp: 28621

Ion Ratio Lower Upper

83 100

85 65.8 44.4 82.4

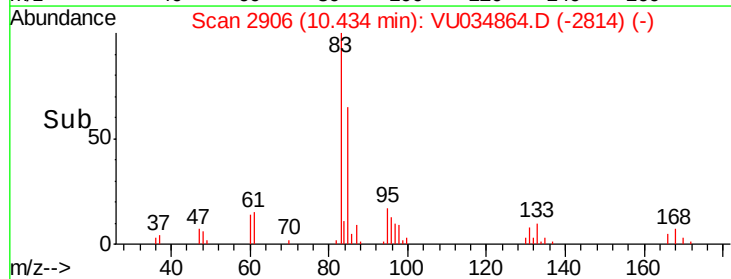
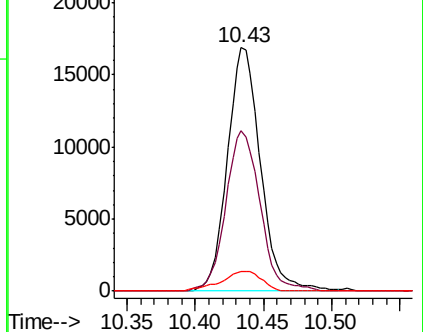
131 8.1 6.7 10.1

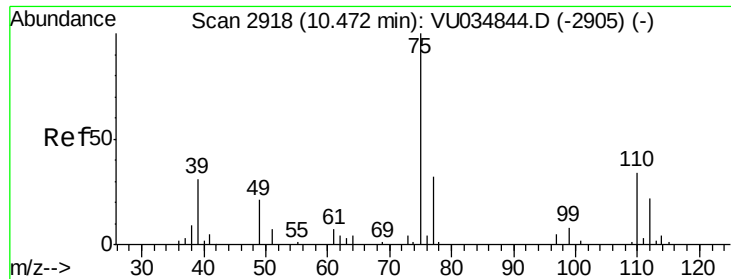


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

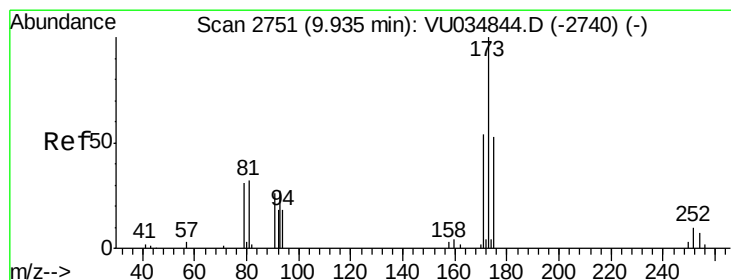
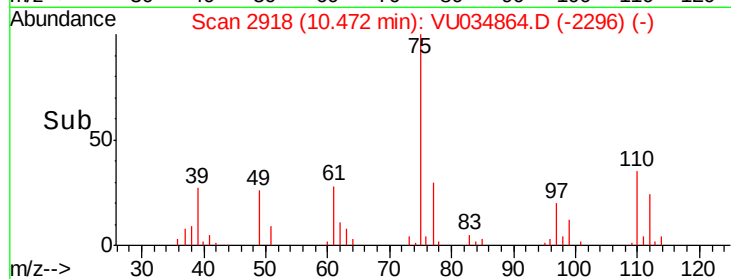
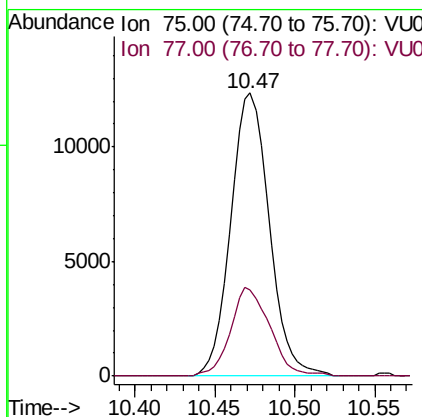
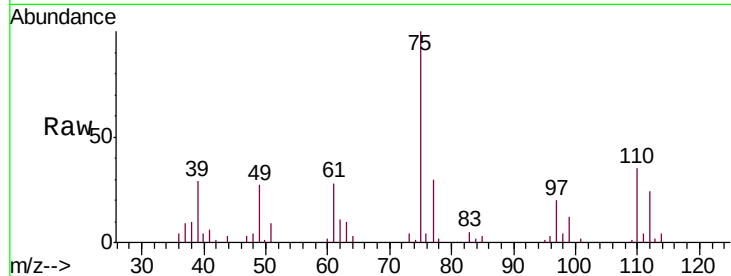




#59
 1,2,3-Trichloropropane
 Concen: 4.695 ug/L
 RT: 10.47 min Scan# 2918
 Delta R.T. -0.00 min
 Lab File: VU034864.D
 Acq: 27 Sep 2019 10:23

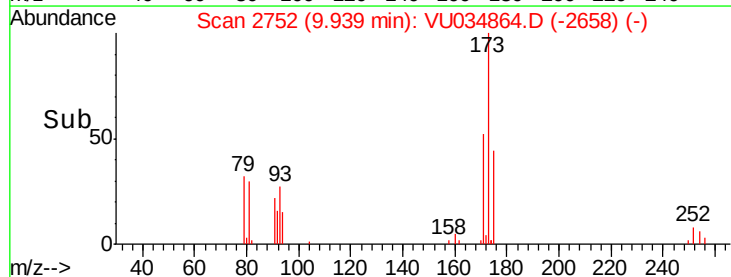
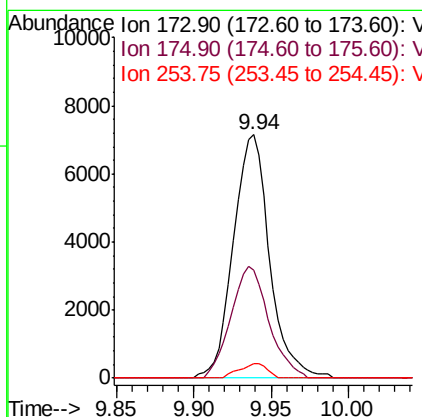
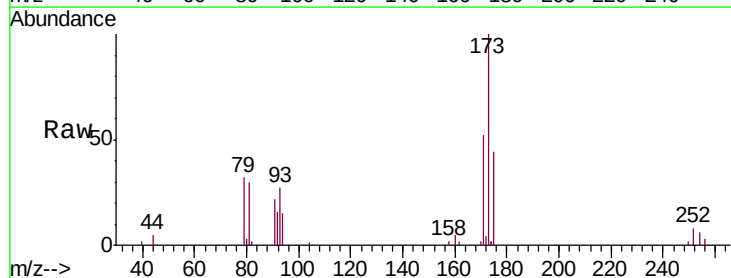
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

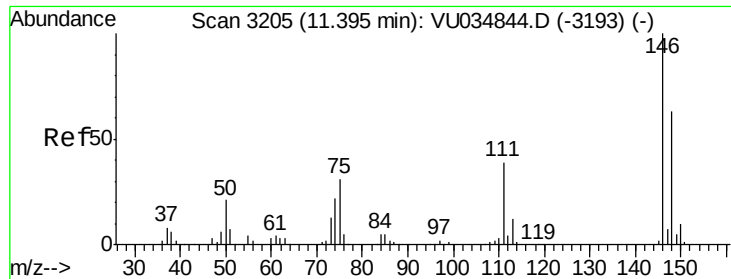
Tgt Ion: 75 Resp: 20300
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.0 39.0



#61
 Bromoform
 Concen: 4.455 ug/L
 RT: 9.94 min Scan# 2752
 Delta R.T. 0.00 min
 Lab File: VU034864.D
 Acq: 27 Sep 2019 10:23

Tgt Ion: 173 Resp: 11601
 Ion Ratio Lower Upper
 173 100
 175 47.9 40.0 60.0
 254 4.5 3.5 5.3

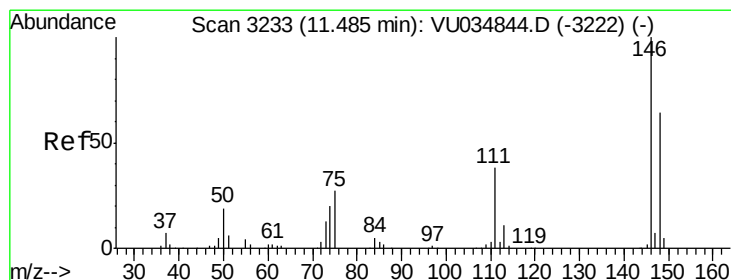
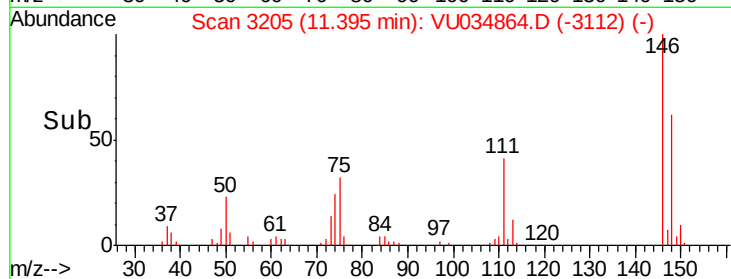
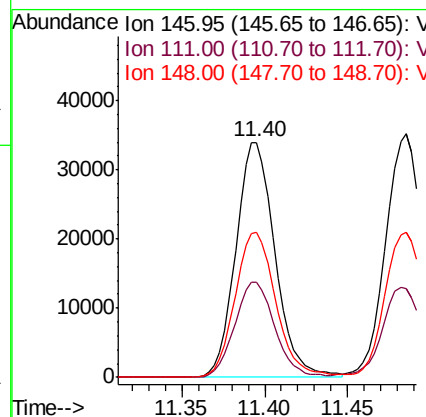
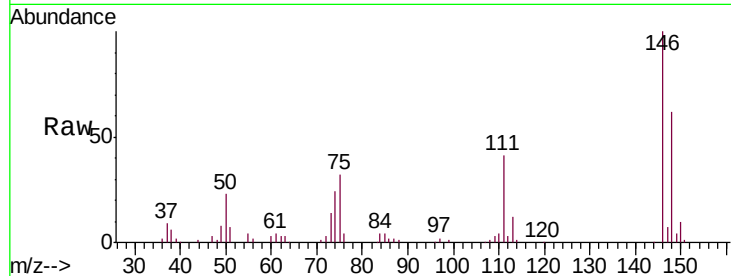




#62
 1,3-Dichlorobenzene
 Concen: 4.814 ug/L
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034864.D
 Acq: 27 Sep 2019 10:23

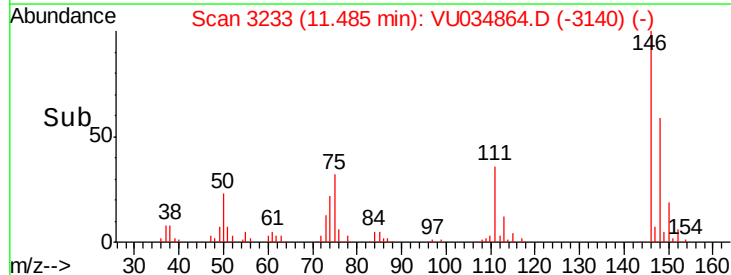
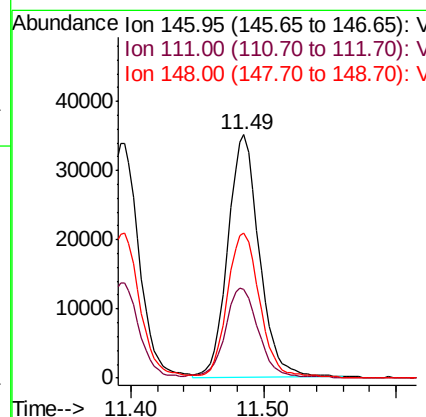
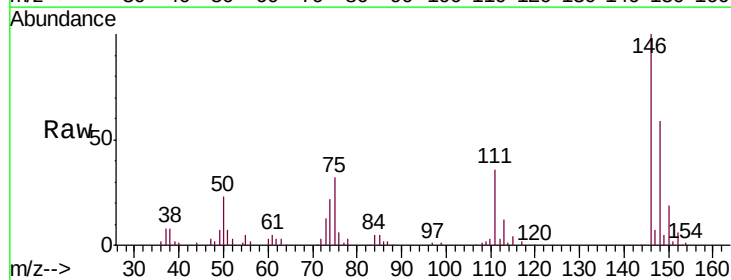
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

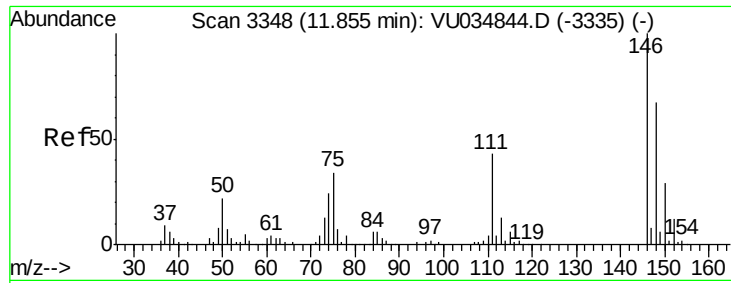
Tgt Ion:146 Resp: 55715
 Ion Ratio Lower Upper
 146 100
 111 40.6 32.8 61.0
 148 61.9 45.9 85.3



#63
 1,4-Dichlorobenzene
 Concen: 4.999 ug/L
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034864.D
 Acq: 27 Sep 2019 10:23

Tgt Ion:146 Resp: 57768
 Ion Ratio Lower Upper
 146 100
 111 36.2 30.2 56.2
 148 59.5 45.4 84.4

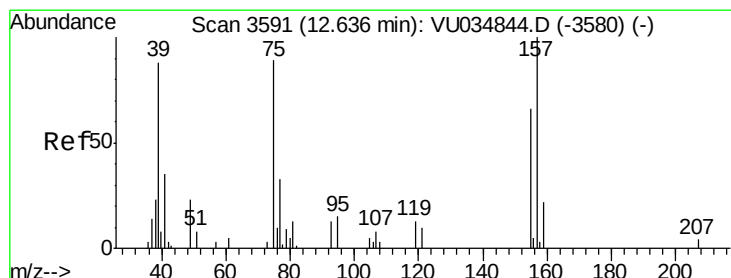
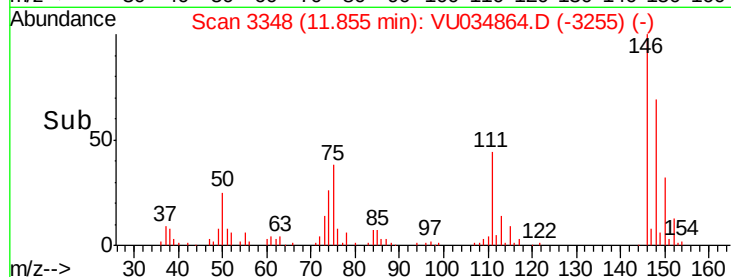
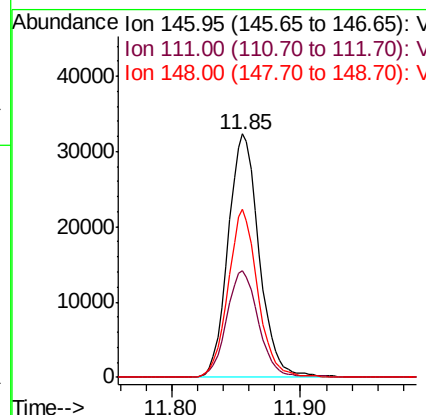
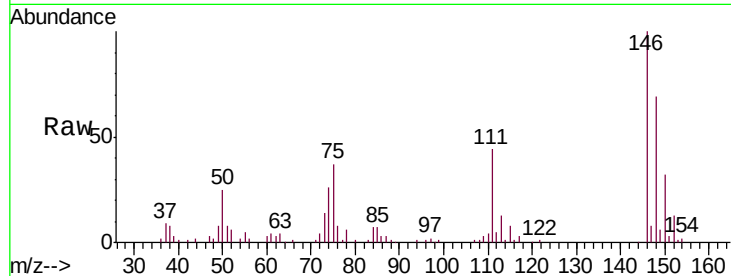




#65
 1,2-Dichlorobenzene
 Concen: 4.753 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034864.D
 Acq: 27 Sep 2019 10:23

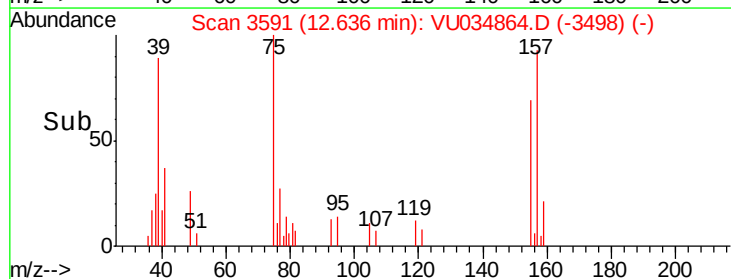
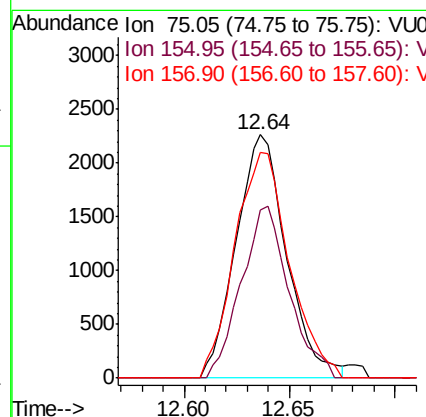
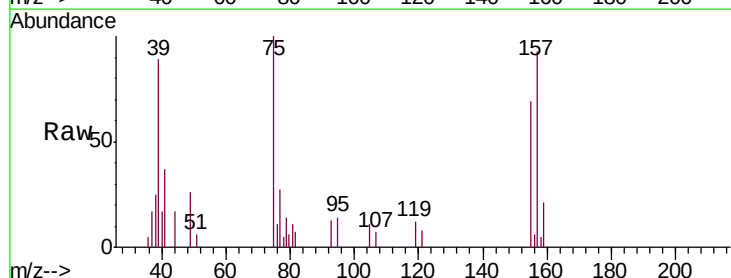
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

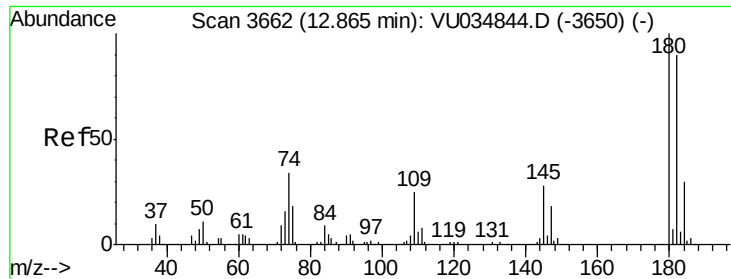
Tgt Ion: 146 Resp: 53844
 Ion Ratio Lower Upper
 146 100
 111 43.6 37.1 55.7
 148 68.9 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.664 ug/L
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VU034864.D
 Acq: 27 Sep 2019 10:23

Tgt Ion: 75 Resp: 3759
 Ion Ratio Lower Upper
 75 100
 155 68.9 49.1 73.7
 157 92.6 70.8 106.2

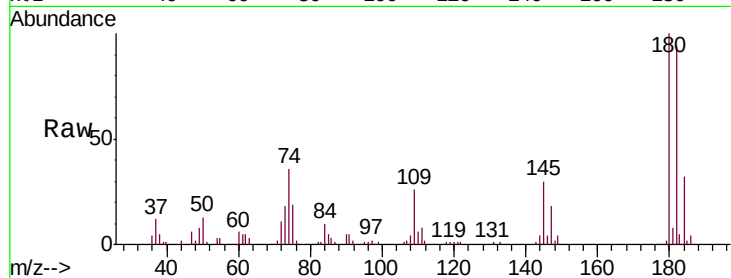




#67
 1,3,5-Trichlorobenzene
 Concen: 5.471 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VU034864.D
 Acq: 27 Sep 2019 10:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	74.5	111.7
184	30.2	23.4	35.2
145	29.4	27.0	40.4



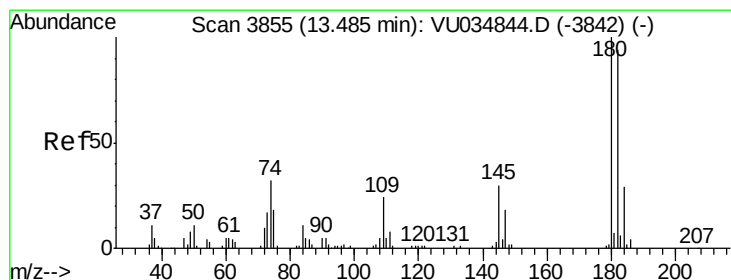
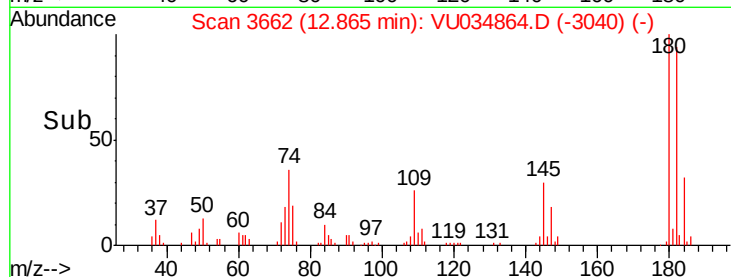
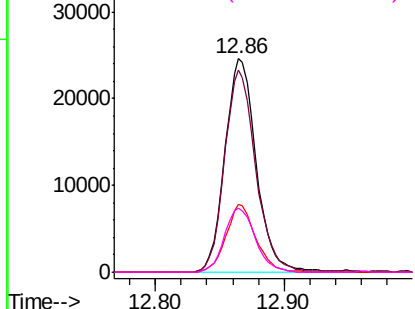
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

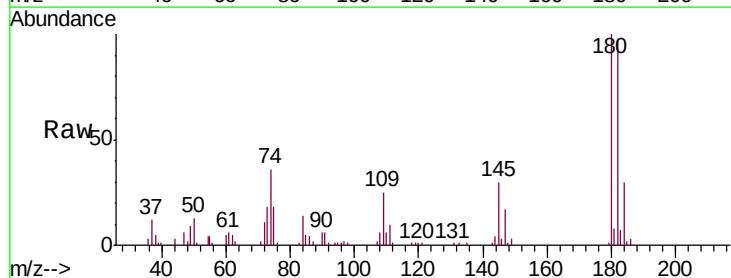
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.172 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034864.D
 Acq: 27 Sep 2019 10:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.9	115.3
145	30.0	26.2	39.4

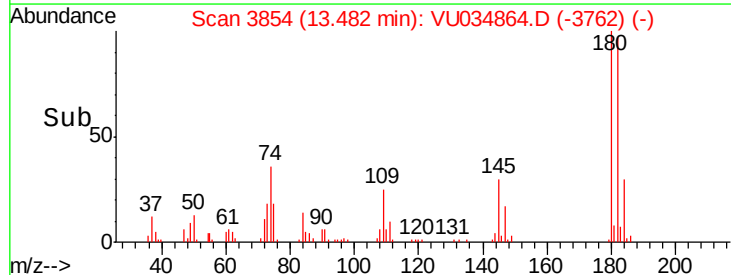
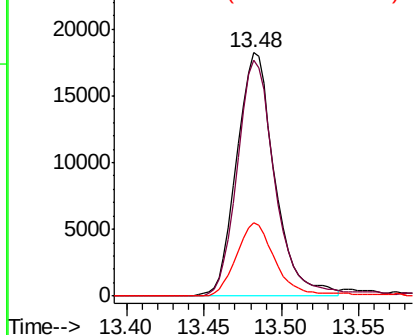


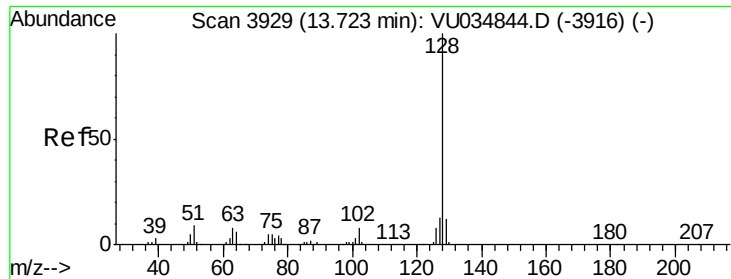
Abundance

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: 3.885 ug/L

RT: 13.72 min Scan# 3929

Delta R.T. -0.00 min

Lab File: VU034864.D

Acq: 27 Sep 2019 10:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

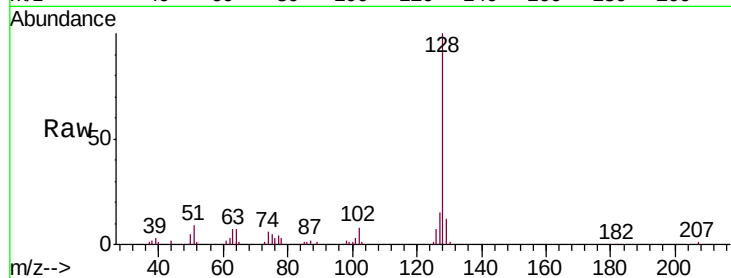
Tgt Ion:128 Resp: 57073

Ion Ratio Lower Upper

128 100

129 10.2 9.2 13.8

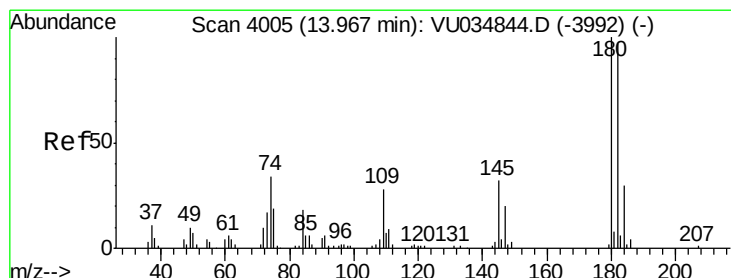
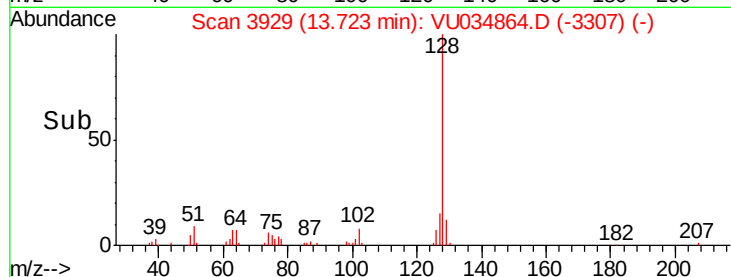
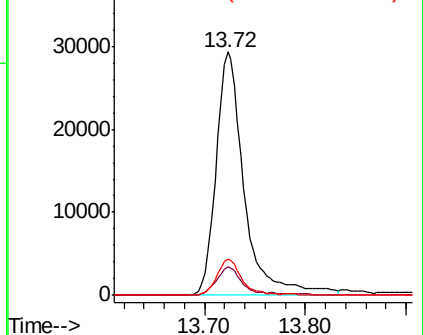
127 12.9 10.7 16.1



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: 5.221 ug/L

RT: 13.97 min Scan# 4005

Delta R.T. -0.00 min

Lab File: VU034864.D

Acq: 27 Sep 2019 10:23

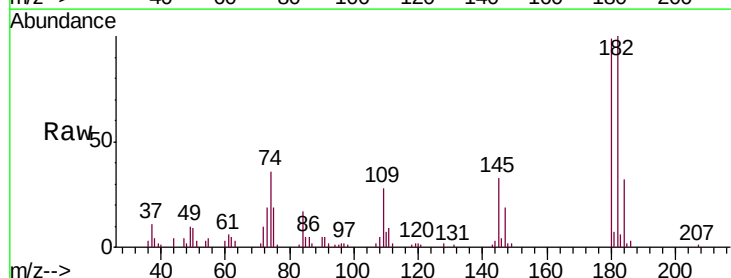
Tgt Ion:180 Resp: 29503

Ion Ratio Lower Upper

180 100

182 96.0 76.6 114.8

145 32.0 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

