

Data File : VU034552.D
Acq On : 15 Sep 2019 09:13
Operator : JC/SP
Sample : VSTD01005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

Quant Time: Sep 16 02:08:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 16 02:04:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	203636	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	191219	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	92563	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	134251	7.89	ug/L	0.00
7) Chloroethane-d5	1.67	69	108455	7.74	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	212443	6.62	ug/L	0.00
20) 2-Butanone-d5	4.17	46	433147	101.25	ug/L	0.00
24) Chloroform-d	4.62	84	260785	8.76	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	135329	8.50	ug/L	0.00
32) Benzene-d6	5.31	84	530727	9.98	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	175930	10.24	ug/L	0.00
41) Toluene-d8	7.54	98	491280	10.57	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	78302	11.86	ug/L	0.00
46) 2-Hexanone-d5	8.29	63	349873	127.29	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	143002	10.12	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	164230	9.57	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	85912	4.100 ug/L	98
3) Chloromethane	1.32	50	126399	5.847 ug/L	98
5) Vinyl chloride	1.40	62	115218	5.171 ug/L	99
6) Bromomethane	1.62	94	55852	5.335 ug/L	98
8) Chloroethane	1.69	64	71762	5.125 ug/L	98
9) Trichlorofluoromethane	1.87	101	131250	5.223 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	66980	4.742 ug/L	96
12) 1,1-Dichloroethene	2.27	96	74404	5.275 ug/L	98
13) Acetone	2.32	43	258241	80.410 ug/L	97
14) Carbon disulfide	2.46	76	199112	4.100 ug/L	97
15) Methyl Acetate	2.60	43	58491	6.791 ug/L	98
16) Methylene chloride	2.68	84	102753	5.995 ug/L	96
17) Methyl tert-butyl Ether	2.98	73	310579	7.976 ug/L	99
18) trans-1,2-Dichloroethene	2.96	96	86586	5.619 ug/L	94
19) 1,1-Dichloroethane	3.42	63	237390	7.588 ug/L	99
21) 2-Butanone	4.25	43	446952	95.012 ug/L	98
22) cis-1,2-Dichloroethene	4.20	96	134674	8.063 ug/L	# 95
23) Bromochloromethane	4.52	128	55470	7.431 ug/L	91
25) Chloroform	4.65	83	238570	7.290 ug/L	99
27) 1,2-Dichloroethane	5.38	62	145466	7.562 ug/L	100
29) 1,1,1-Trichloroethane	4.89	97	173516	7.761 ug/L	99
30) Cyclohexane	4.96	56	131176	6.094 ug/L	98
31) Carbon tetrachloride	5.11	117	138505	7.121 ug/L	100
33) Benzene	5.36	78	498562	8.597 ug/L	100
34) Trichloroethene	6.16	95	124158	8.259 ug/L	96
35) Methylcyclohexane	6.39	83	127969	6.017 ug/L	97
37) 1,2-Dichloropropane	6.41	63	145719	9.016 ug/L	100
38) Bromodichloromethane	6.73	83	184781	9.310 ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	224856	10.312 ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	1116034	110.360 ug/L	100

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.61	91	530134	9.060	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	180914	10.229	ug/L	97
45) 1,1,2-Trichloroethane	8.04	97	101235	9.248	ug/L	98
47) Tetrachloroethene	8.21	164	74889	6.628	ug/L	97
48) 2-Hexanone	8.34	43	777700	110.882	ug/L	98
49) Dibromochloromethane	8.46	129	125746	9.649	ug/L	93
50) 1,2-Dibromoethane	8.57	107	93210	8.975	ug/L	98
51) Chlorobenzene	9.10	112	347273	8.975	ug/L	97
52) Ethylbenzene	9.23	91	605341	9.703	ug/L	98
53) m,p-Xylene	9.35	106	219086	9.448	ug/L	97
54) o-Xylene	9.76	106	221411	10.012	ug/L	98
55) Styrene	9.77	104	396059	10.425	ug/L	96
56) Isopropylbenzene	10.14	105	572439	9.770	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.43	83	141802	9.703	ug/L	97
59) 1,2,3-Trichloropropane	10.47	75	94844	9.159	ug/L	96
61) Bromoform	9.94	173	68568	9.813	ug/L	96
62) 1,3-Dichlorobenzene	11.39	146	269586	9.388	ug/L	98
63) 1,4-Dichlorobenzene	11.48	146	269787	9.079	ug/L	100
65) 1,2-Dichlorobenzene	11.85	146	258612	9.327	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.63	75	23545	10.420	ug/L	99
67) 1,3,5-Trichlorobenzene	12.86	180	191636	8.696	ug/L	99
68) 1,2,4-trichlorobenzene	13.48	180	168627	10.095	ug/L	99
69) Naphthalene	13.72	128	375578	13.455	ug/L	99
70) 1,2,3-Trichlorobenzene	13.96	180	155009	9.665	ug/L	97

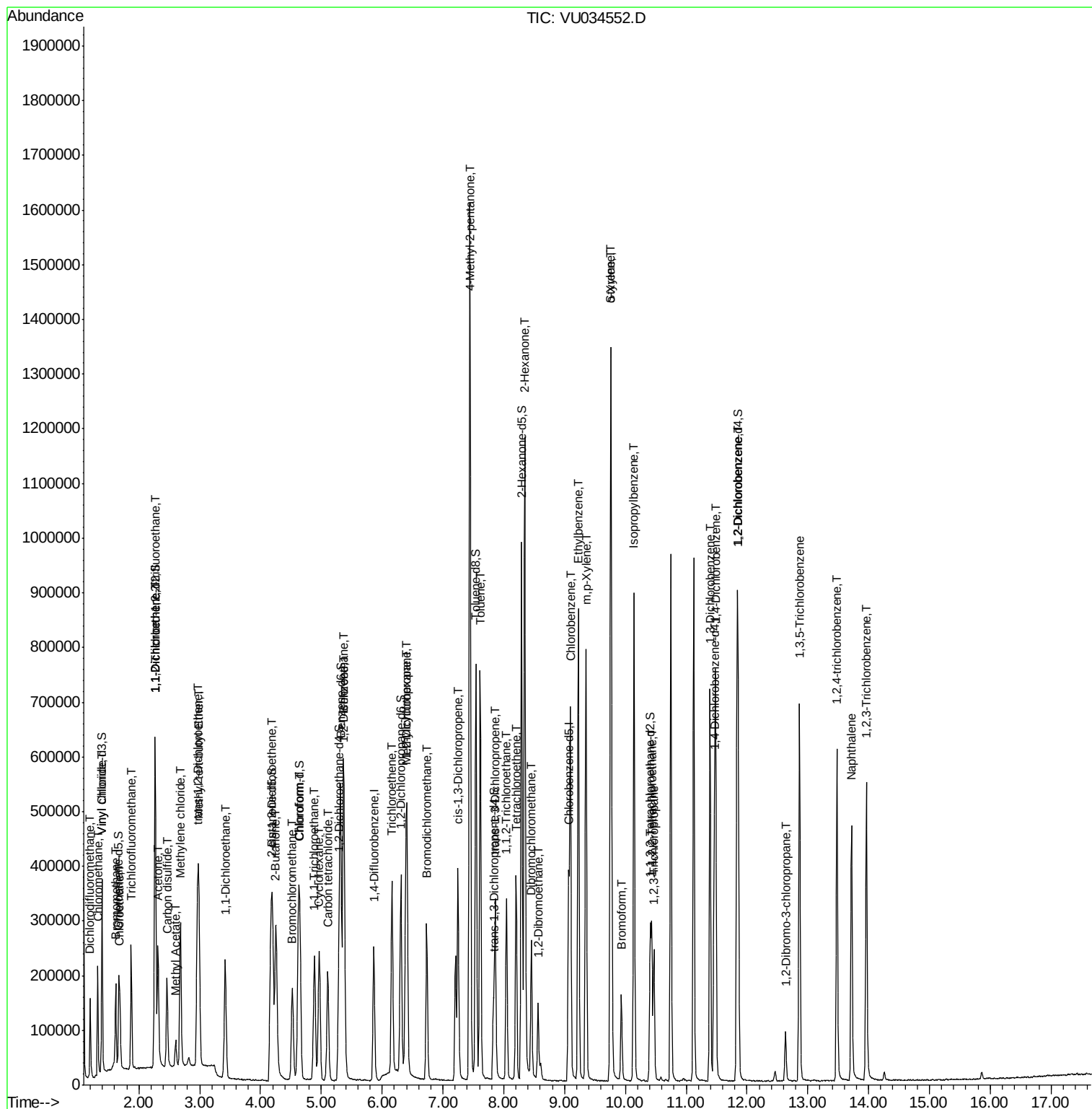
(#) = qualifier out of range (m) = manual integration (+) = signals summed

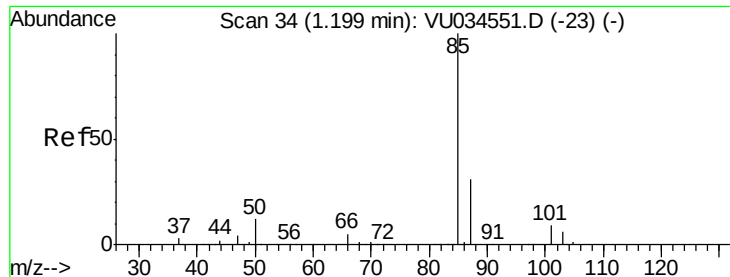
Data File : VU034552.D

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Sample       : VSTD01005
Misc         : 25.0mL/MSV0A_U/WATER
ALS Vial     : 6      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

Quant Time: Sep 16 02:08:33 2019
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#2

Dichlorodifluoromethane

Concen: 4.100 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034552.D

Acq: 15 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

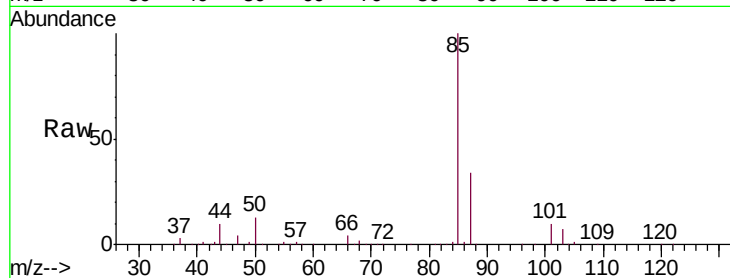
VSTD01005

Tgt Ion: 85 Resp: 85912

Ion Ratio Lower Upper

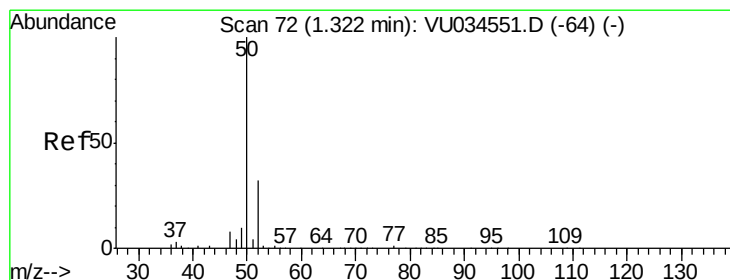
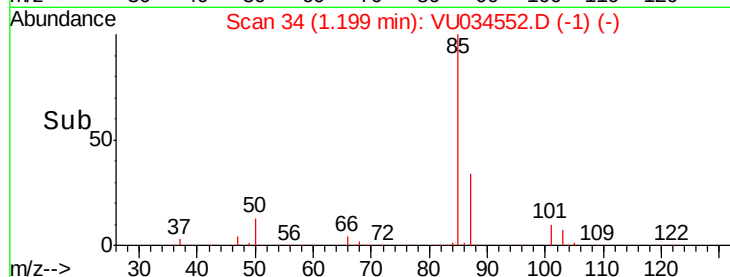
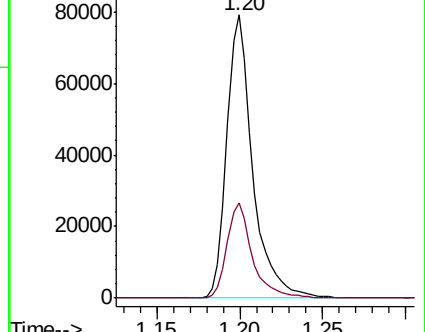
85 100

87 32.9 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU034551.D (-23) (-)

Ion 87.00 (86.70 to 87.70): VU034551.D (-23) (-)



#3

Chloromethane

Concen: 5.847 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034552.D

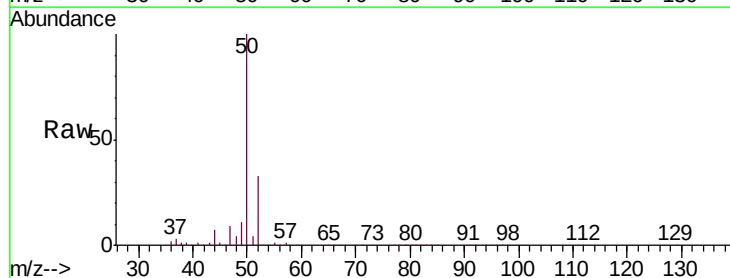
Acq: 15 Sep 2019 09:13

Tgt Ion: 50 Resp: 126399

Ion Ratio Lower Upper

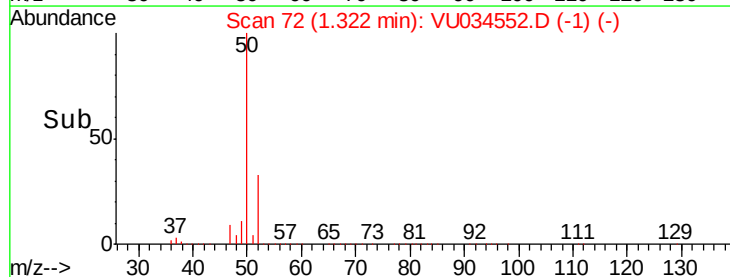
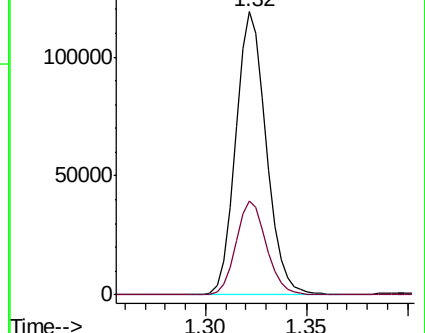
50 100

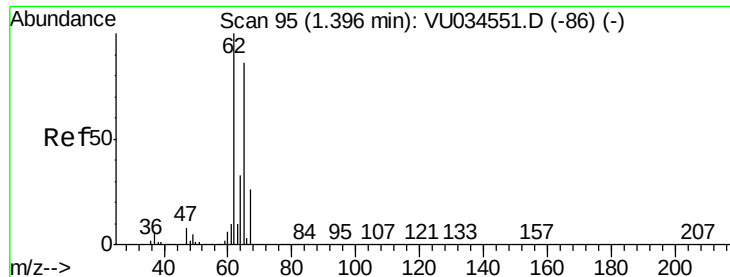
52 33.3 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU034551.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU034551.D (-64) (-)





#5

Vinyl chloride

Concen: 5.171 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034552.D

Acq: 15 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

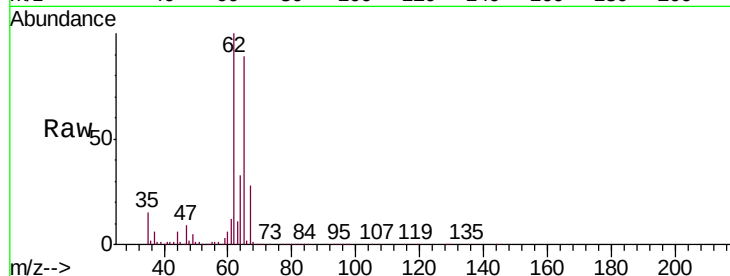
VSTD01005

Tgt Ion: 62 Resp: 115218

Ion Ratio Lower Upper

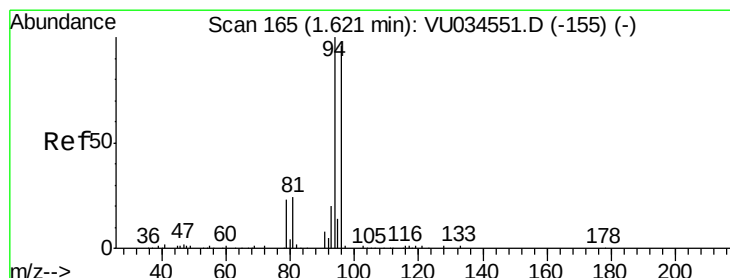
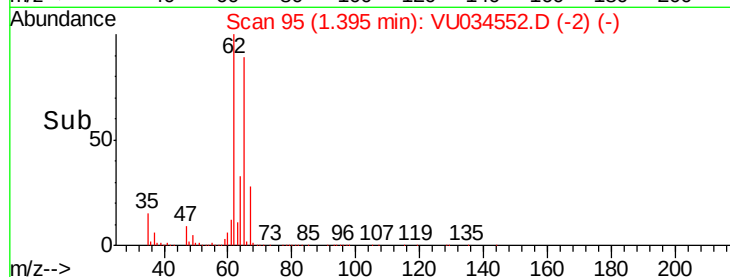
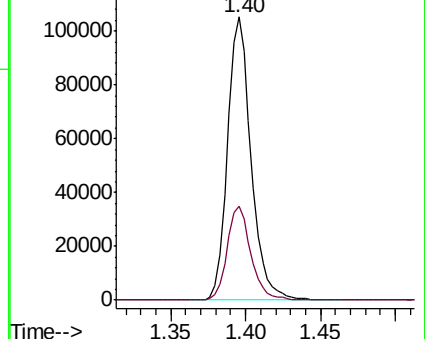
62 100

64 33.3 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU034551.D (-86) (-)

Ion 64.10 (63.80 to 64.80): VU034551.D (-86) (-)



#6

Bromomethane

Concen: 5.335 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU034552.D

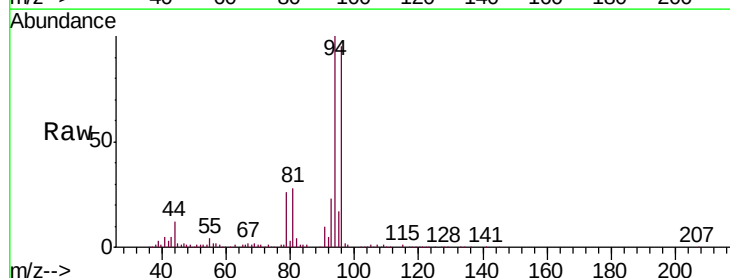
Acq: 15 Sep 2019 09:13

Tgt Ion: 94 Resp: 55852

Ion Ratio Lower Upper

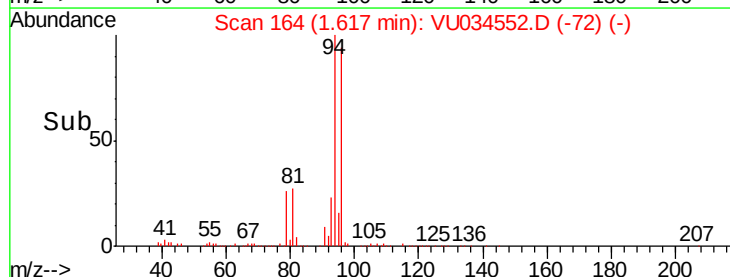
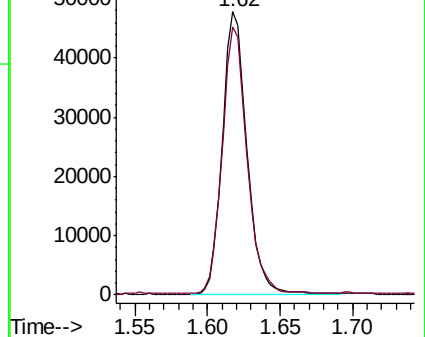
94 100

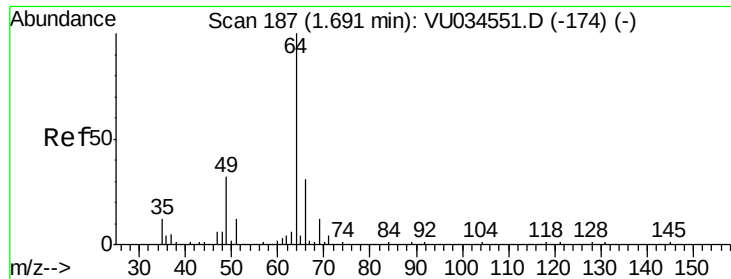
96 94.5 67.3 124.9



Abundance Ion 94.00 (93.70 to 94.70): VU034551.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU034551.D (-155) (-)





#8

Chloroethane

Concen: 5.125 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU034552.D

Acq: 15 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

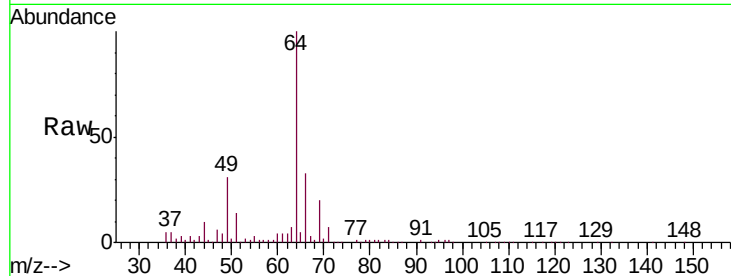
VSTD01005

Tgt Ion: 64 Resp: 71762

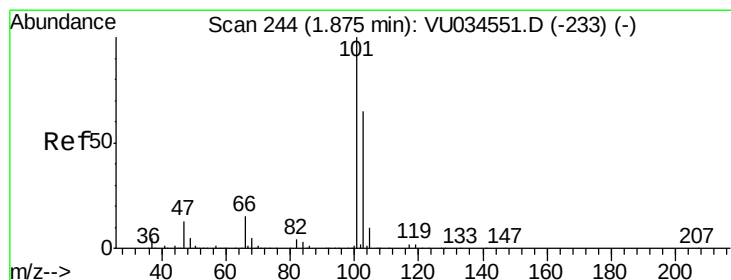
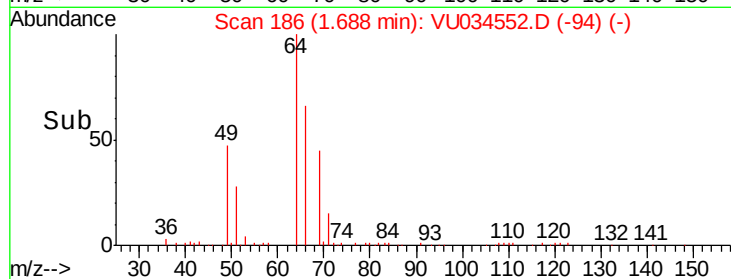
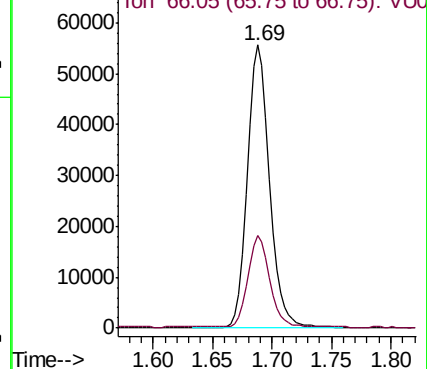
Ion Ratio Lower Upper

64 100

66 32.6 22.1 41.1



Abundance Ion 64.10 (63.80 to 64.80): VU034551.D (-174) (-)



#9

Trichlorofluoromethane

Concen: 5.223 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU034552.D

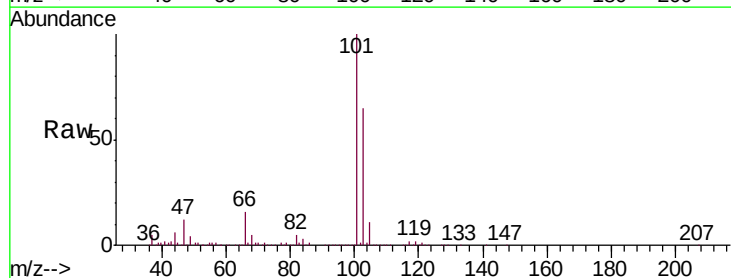
Acq: 15 Sep 2019 09:13

Tgt Ion: 101 Resp: 131250

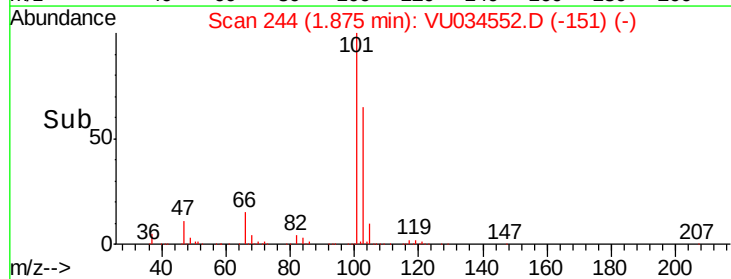
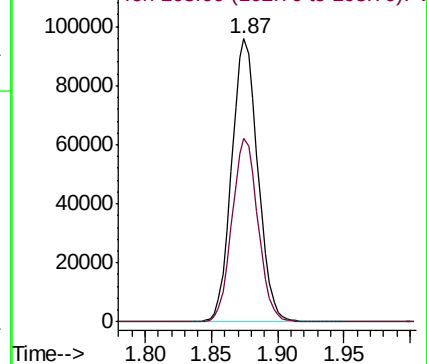
Ion Ratio Lower Upper

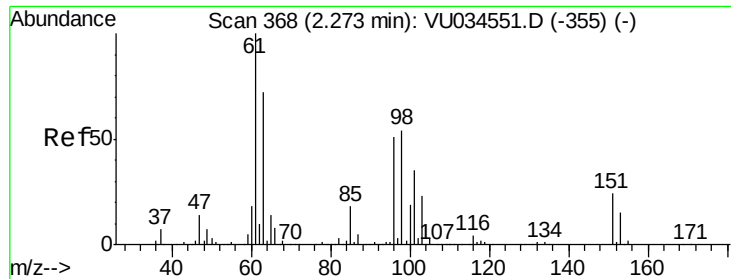
101 100

103 64.7 52.4 78.6



Abundance Ion 101.00 (100.70 to 101.70): VU034551.D (-233) (-)





#10

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

Concen: 4.742 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034552.D

Acq: 15 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

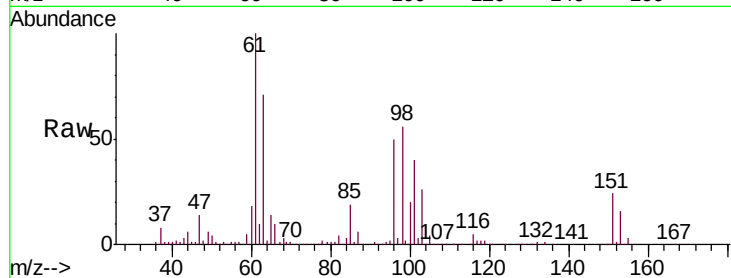
Tgt Ion: 101 Resp: 66980

Ion Ratio Lower Upper

101 100

85 47.9 39.8 59.6

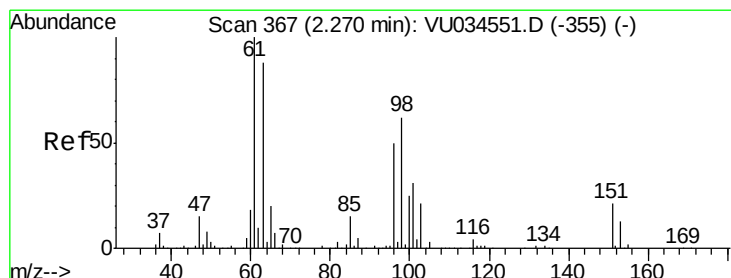
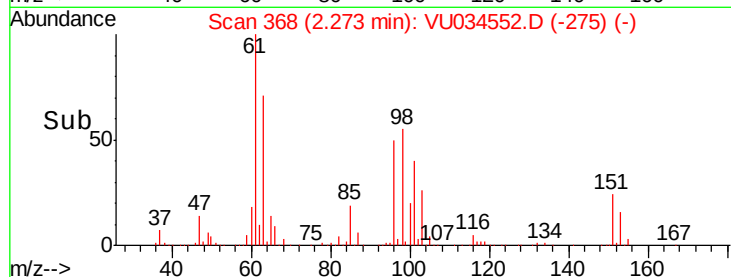
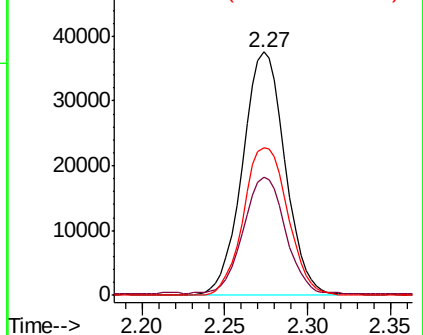
151 63.4 54.4 81.6



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: 5.275 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034552.D

Acq: 15 Sep 2019 09:13

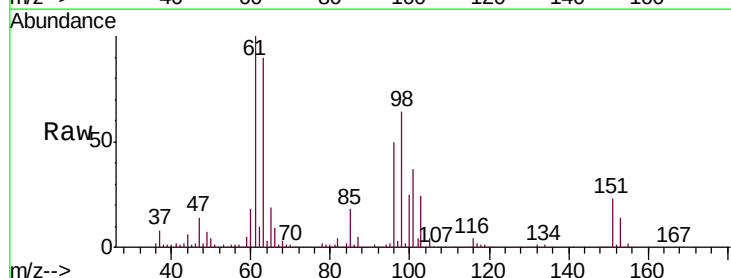
Tgt Ion: 96 Resp: 74404

Ion Ratio Lower Upper

96 100

61 201.3 139.0 258.2

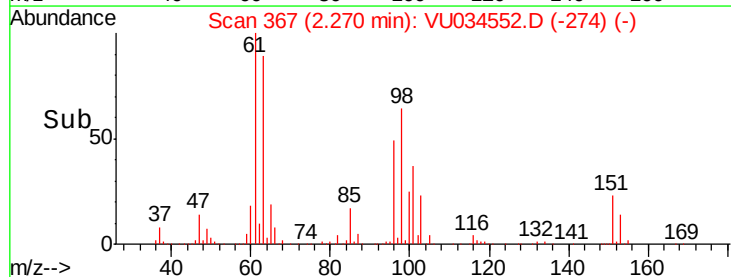
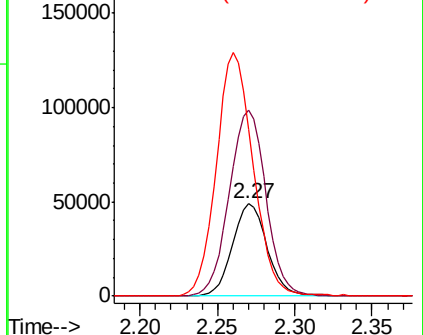
63 180.3 125.0 232.2

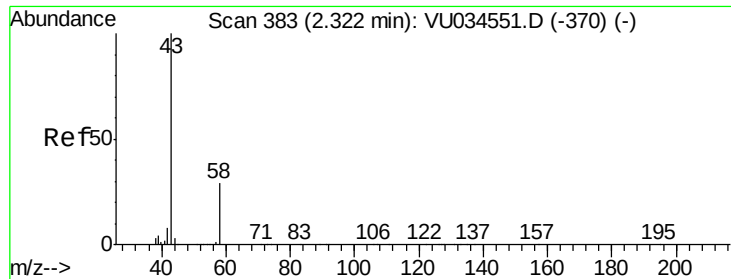


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 80.410 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.01 min

Lab File: VU034552.D

Acq: 15 Sep 2019 09:13

Instrument :

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ClientSampleId :

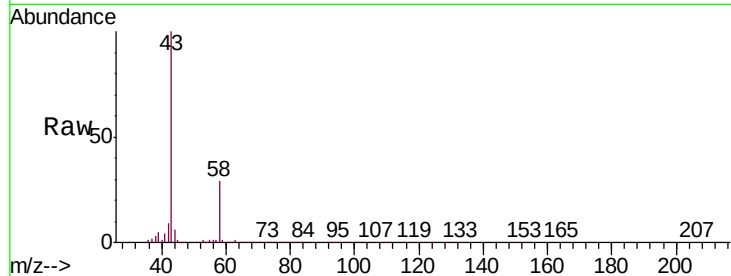
VSTD01005

Tgt Ion: 43 Resp: 258241

Ion Ratio Lower Upper

43 100

58 27.9 0.0 59.4



Abundance Ion 43.05 (42.75 to 43.75): VU034551.D (-370) (-)

Ion 58.05 (57.75 to 58.75): VU034551.D (-370) (-)

2.32

150000

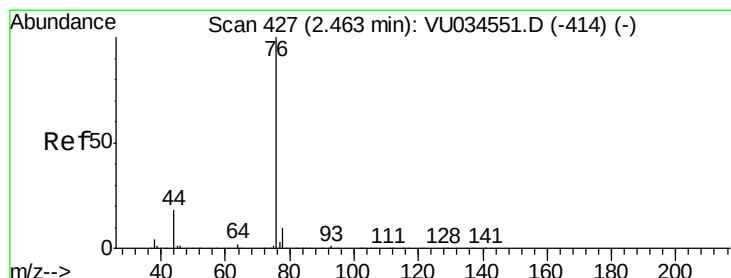
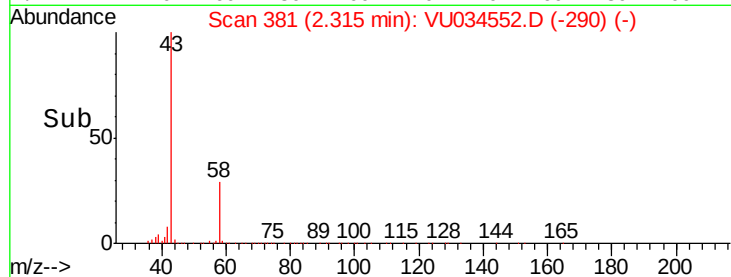
100000

50000

0

2.20 2.30 2.40

Time-->



#14

Carbon disulfide

Concen: 4.100 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU034552.D

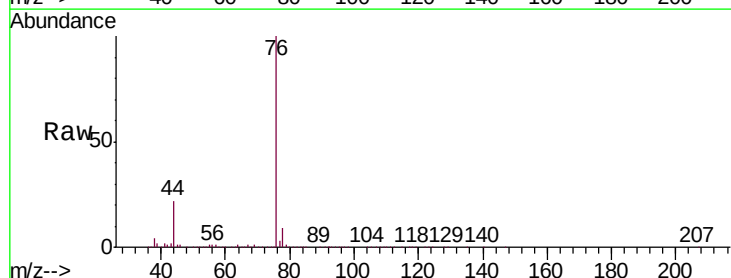
Acq: 15 Sep 2019 09:13

Tgt Ion: 76 Resp: 199112

Ion Ratio Lower Upper

76 100

78 9.5 8.4 12.6



Abundance Ion 76.05 (75.75 to 76.75): VU034551.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU034551.D (-414) (-)

2.46

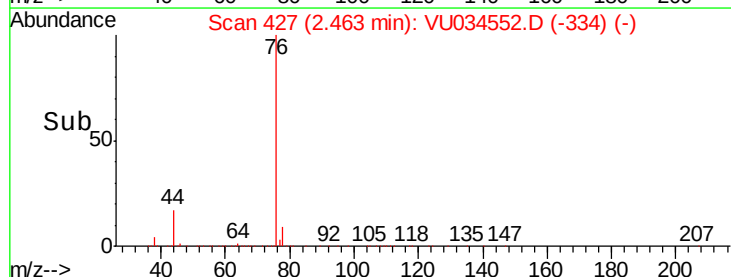
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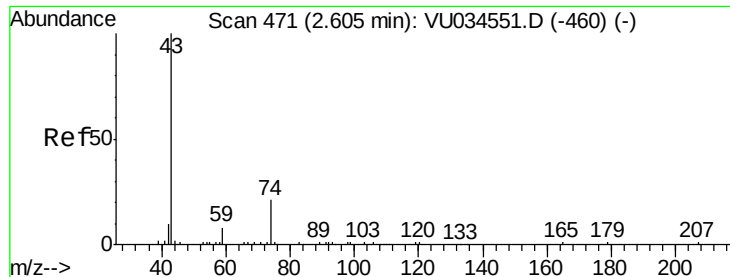
50000

0

2.40 2.50 2.60

Time-->

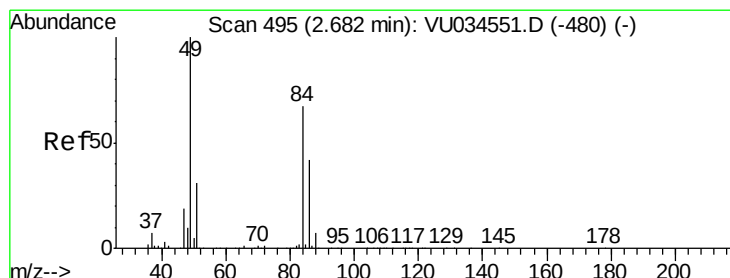
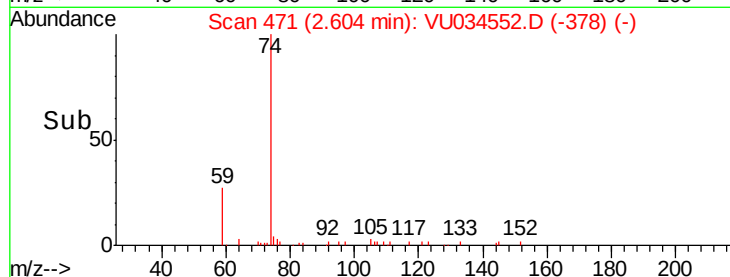
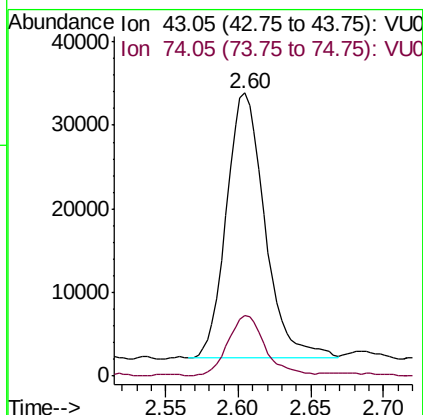
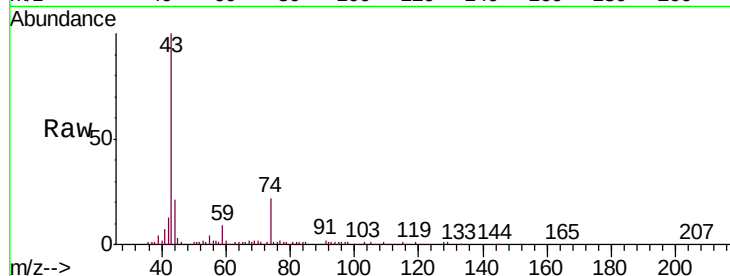




#15
Methyl Acetate
Concen: 6.791 ug/L
RT: 2.60 min Scan# 471
Delta R.T. -0.00 min
Lab File: VU034552.D
Acq: 15 Sep 2019 09:13

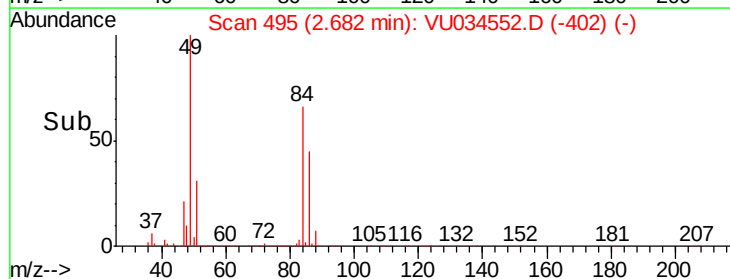
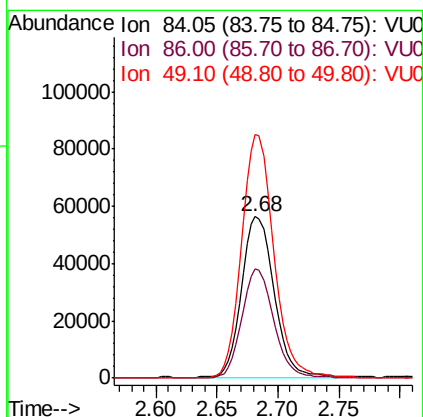
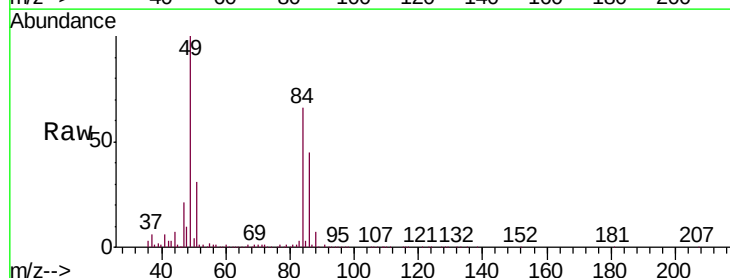
Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

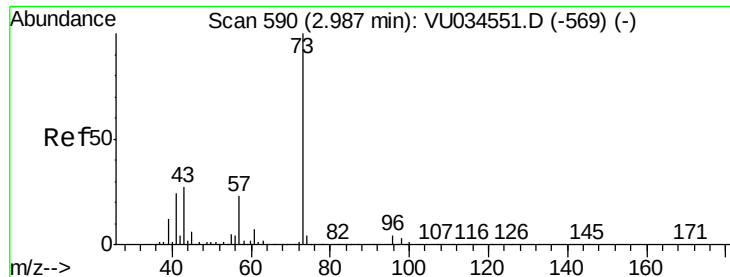
Tgt Ion: 43 Resp: 58491
Ion Ratio Lower Upper
43 100
74 22.3 17.3 25.9



#16
Methylene chloride
Concen: 5.995 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU034552.D
Acq: 15 Sep 2019 09:13

Tgt Ion: 84 Resp: 102753
Ion Ratio Lower Upper
84 100
86 67.8 43.7 81.1
49 151.0 103.5 192.3

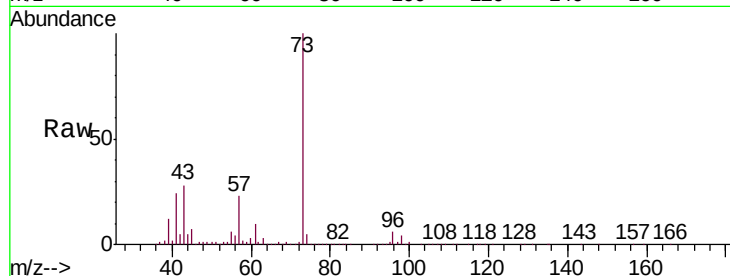




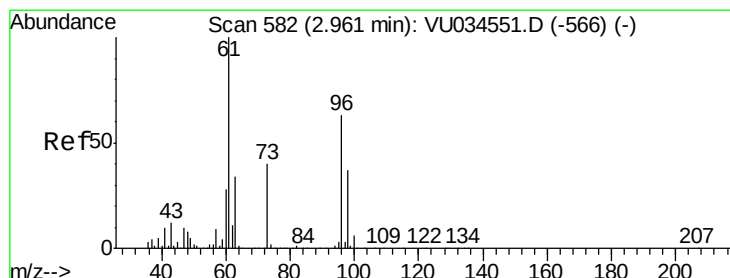
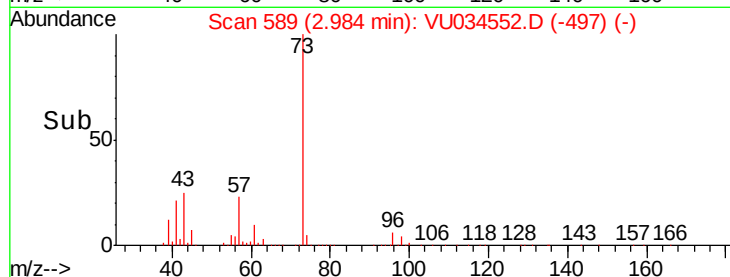
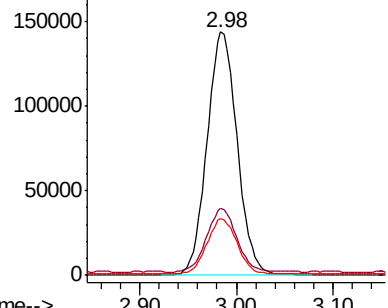
#17
Methyl tert-butyl Ether
Concen: 7.976 ug/L
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU034552.D
Acq: 15 Sep 2019 09:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

Tgt Ion	Ratio	Lower	Upper
73	100		
43	26.2	20.9	31.3
57	22.6	18.6	27.8

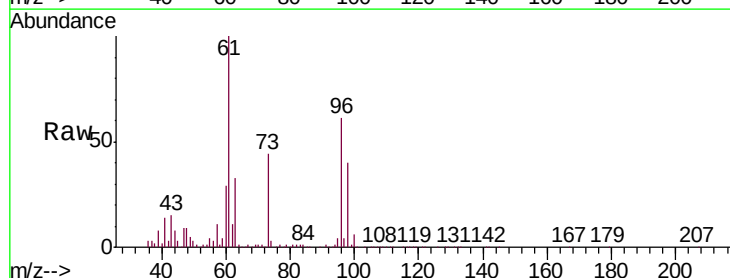


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

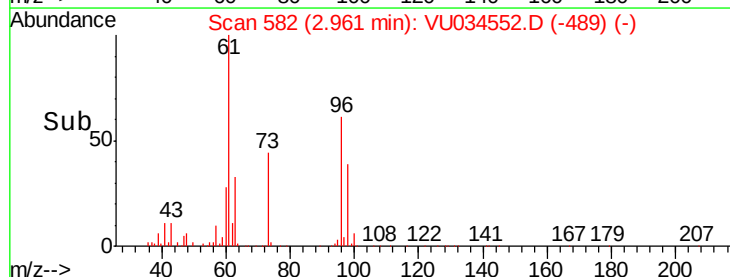
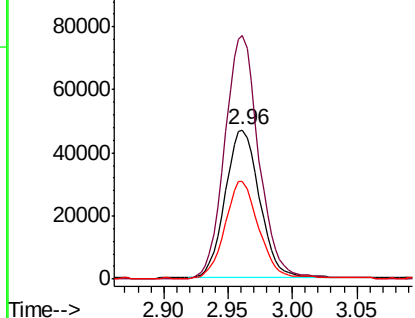


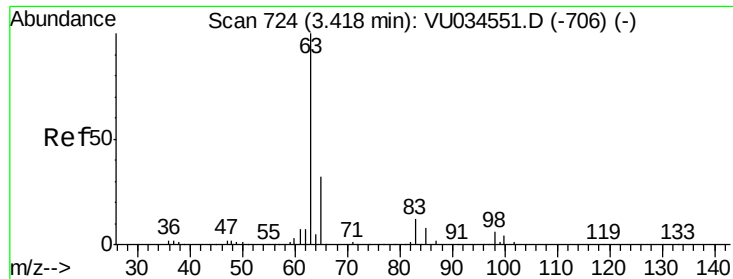
#18
trans-1,2-Dichloroethene
Concen: 5.619 ug/L
RT: 2.96 min Scan# 582
Delta R.T. -0.00 min
Lab File: VU034552.D
Acq: 15 Sep 2019 09:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.0	109.8	203.8
98	65.1	41.6	77.2



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

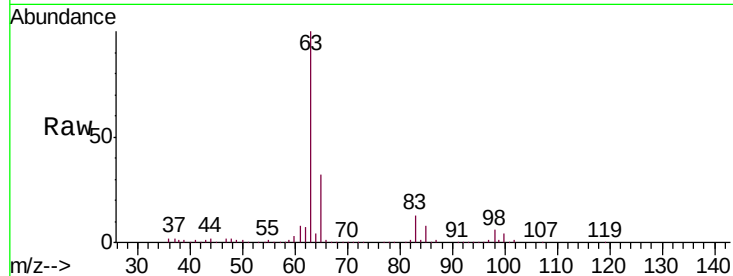




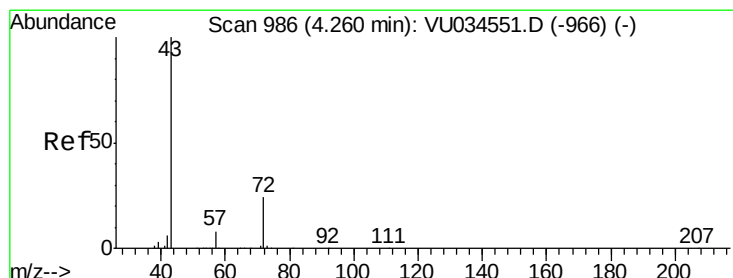
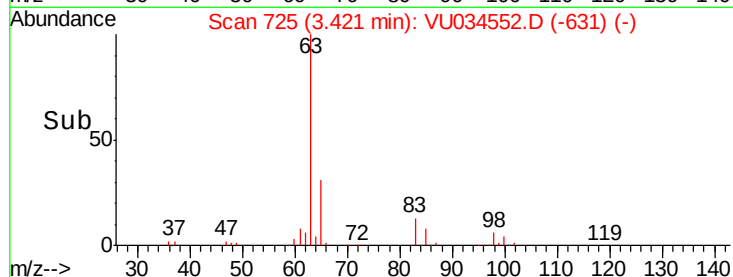
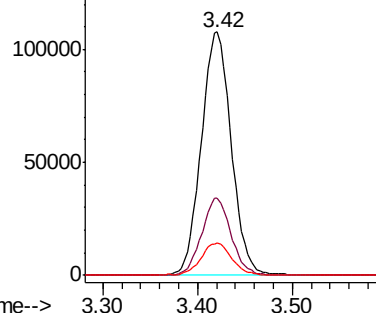
#19
 1,1-Dichloroethane
 Concen: 7.588 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU034552.D
 Acq: 15 Sep 2019 09:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Tgt Ion: 63 Resp: 237390
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.3 41.5
 83 13.2 8.7 16.1

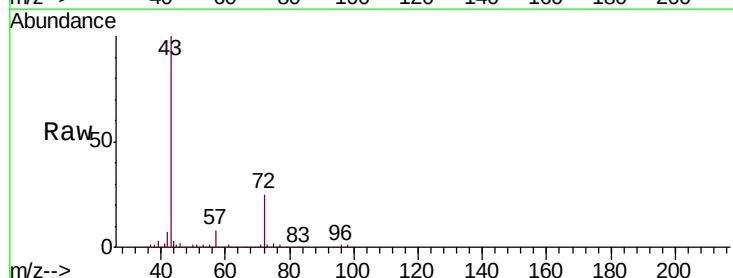


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

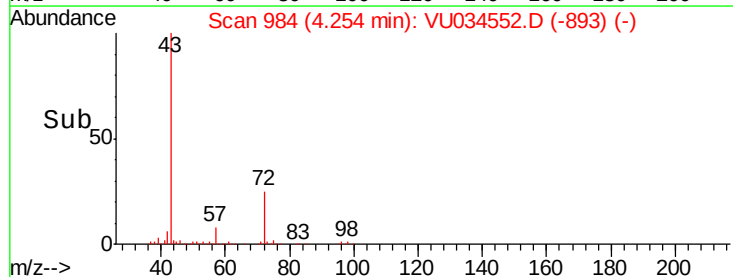
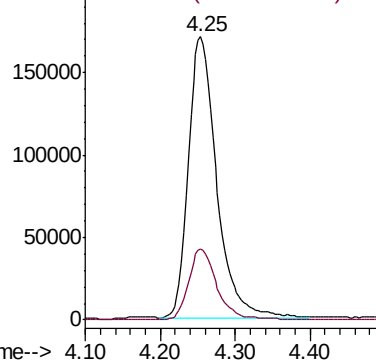


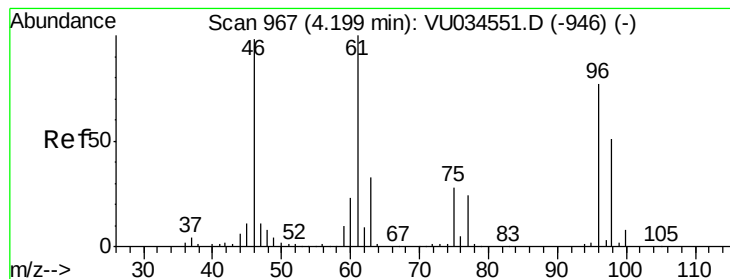
#21
 2-Butanone
 Concen: 95.012 ug/L
 RT: 4.25 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VU034552.D
 Acq: 15 Sep 2019 09:13

Tgt Ion: 43 Resp: 446952
 Ion Ratio Lower Upper
 43 100
 72 24.5 11.9 35.5



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: 8.063 ug/L

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU034552.D

Acq: 15 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

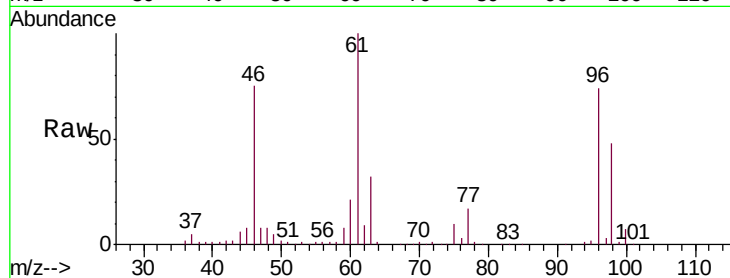
Tgt Ion: 96 Resp: 134674

Ion Ratio Lower Upper

96 100

61 135.0 90.5 168.1

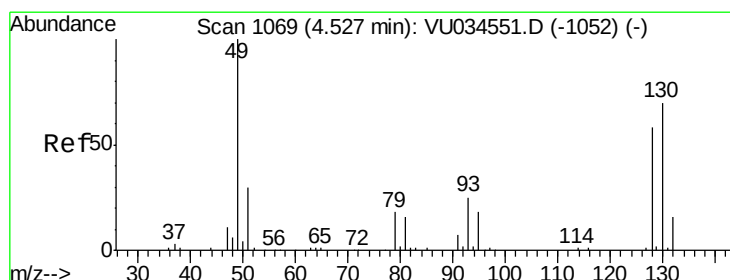
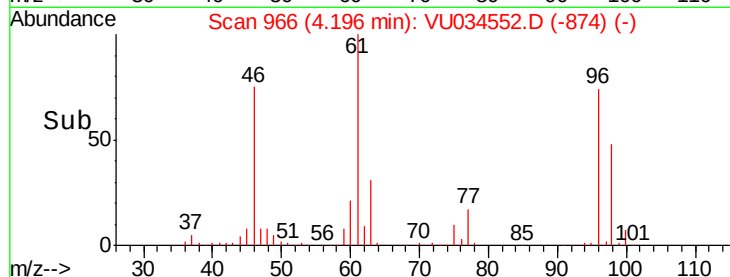
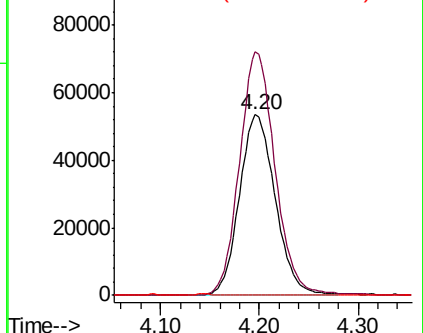
68 0.2 0.0 0.0#



Abundance Ion 96.00 (95.70 to 96.70): VU034551.D (-946) (-)

Ion 61.05 (60.75 to 61.75): VU034551.D (-946) (-)

Ion 68.15 (67.85 to 68.85): VU034551.D (-946) (-)



#23

Bromochloromethane

Concen: 7.431 ug/L

RT: 4.52 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VU034552.D

Acq: 15 Sep 2019 09:13

Tgt Ion: 128 Resp: 55470

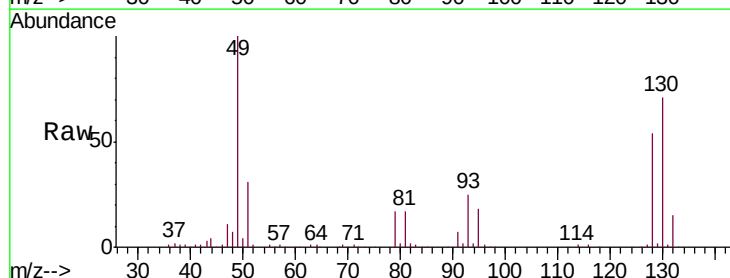
Ion Ratio Lower Upper

128 100

49 184.8 121.2 225.0

130 132.1 84.4 156.7

51 56.9 41.8 62.6

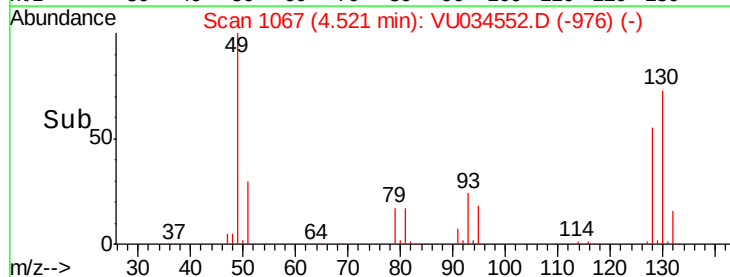
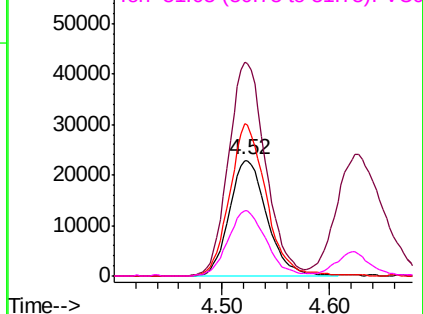


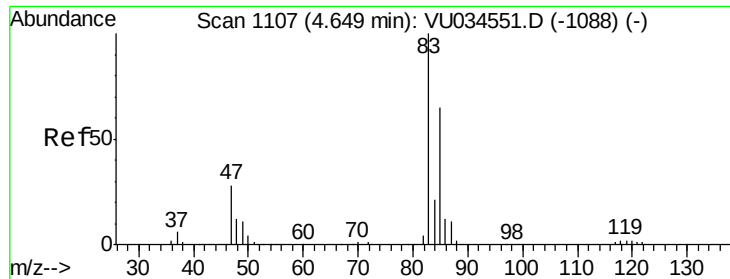
Abundance Ion 127.90 (127.60 to 128.60): VU034552.D (-976) (-)

Ion 49.10 (48.80 to 49.80): VU034552.D (-976) (-)

Ion 129.95 (129.65 to 130.65): VU034552.D (-976) (-)

Ion 51.05 (50.75 to 51.75): VU034552.D (-976) (-)

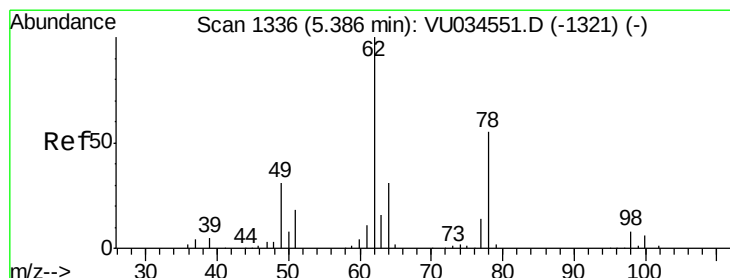
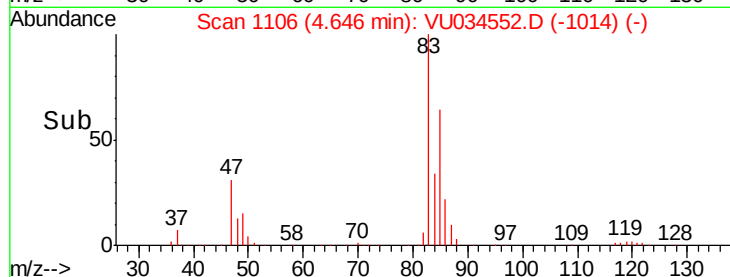
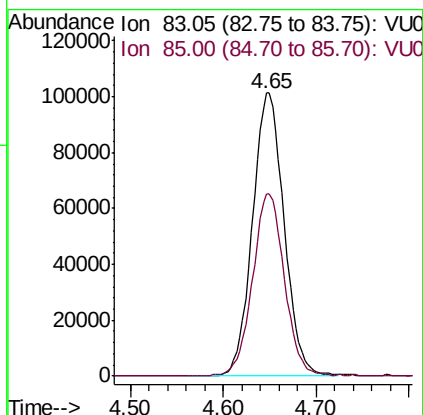
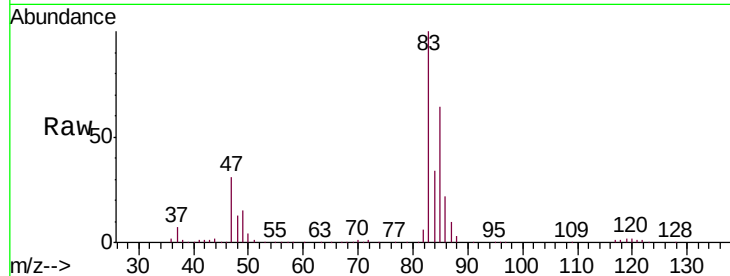




#25
Chloroform
Concen: 7.290 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU034552.D
Acq: 15 Sep 2019 09:13

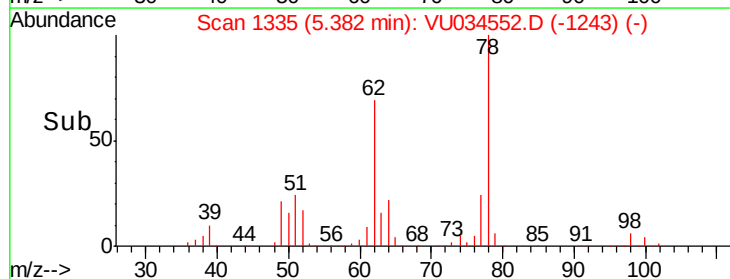
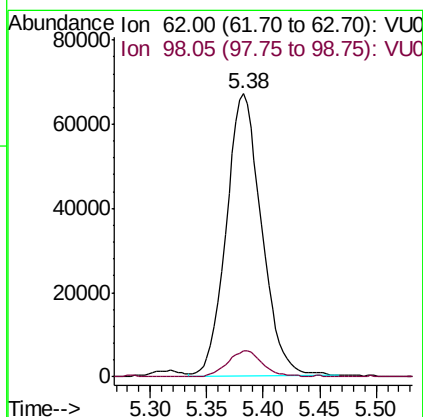
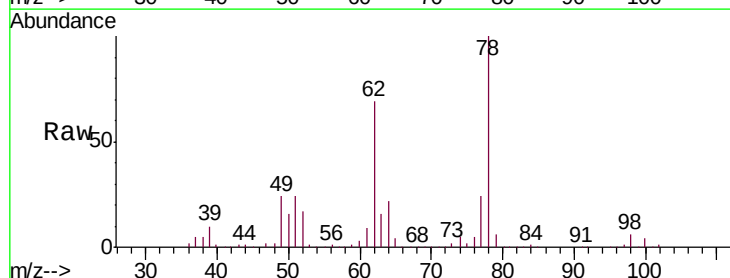
Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

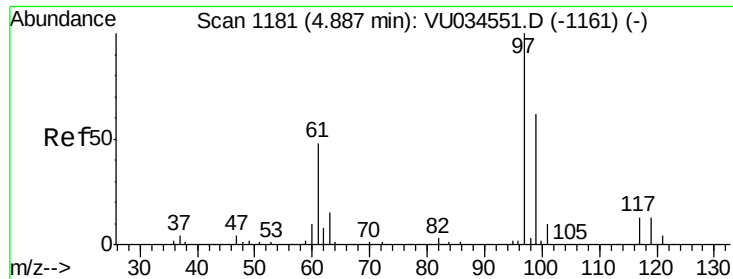
Tgt Ion: 83 Resp: 238570
Ion Ratio Lower Upper
83 100
85 64.3 45.6 84.6



#27
1,2-Dichloroethane
Concen: 7.562 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU034552.D
Acq: 15 Sep 2019 09:13

Tgt Ion: 62 Resp: 145466
Ion Ratio Lower Upper
62 100
98 9.0 7.1 10.7

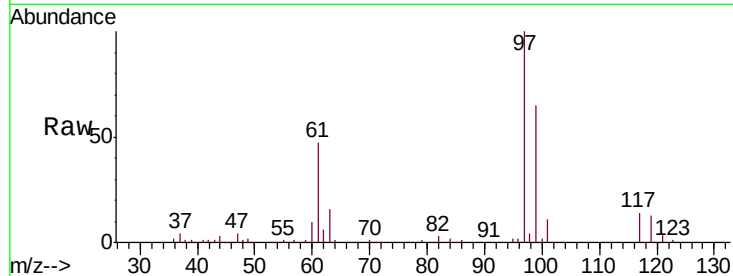




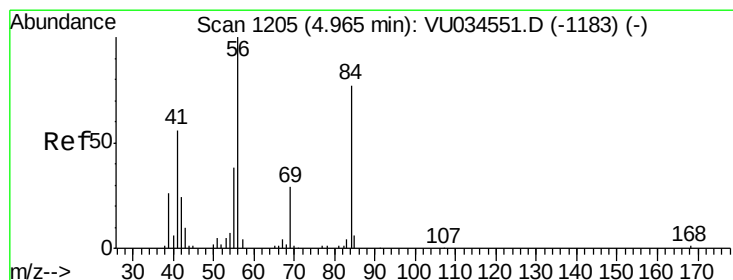
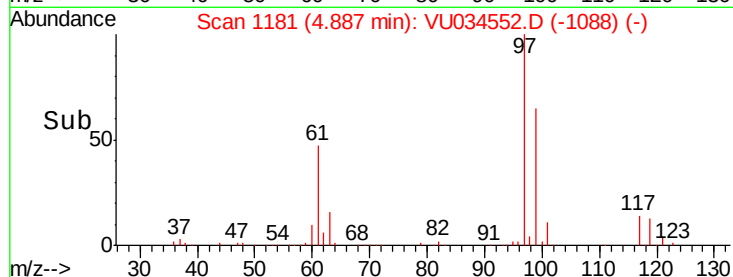
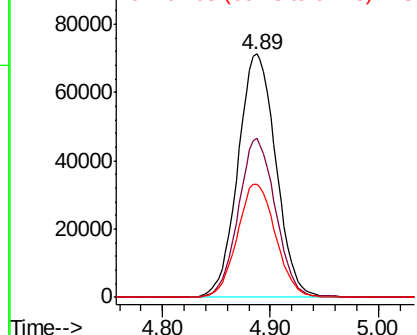
#29
 1,1,1-Trichloroethane
 Concen: 7.761 ug/L
 RT: 4.89 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VU034552.D
 Acq: 15 Sep 2019 09:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Tgt Ion: 97 Resp: 173516
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.5 77.3
 61 46.8 38.5 57.7

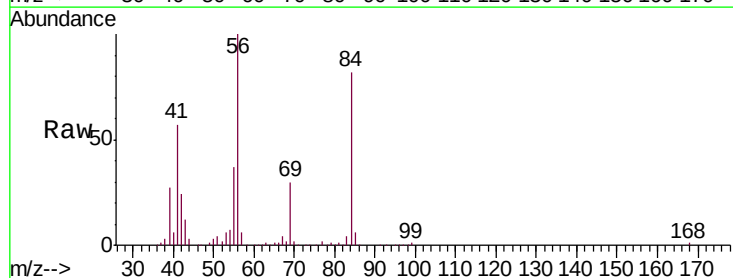


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

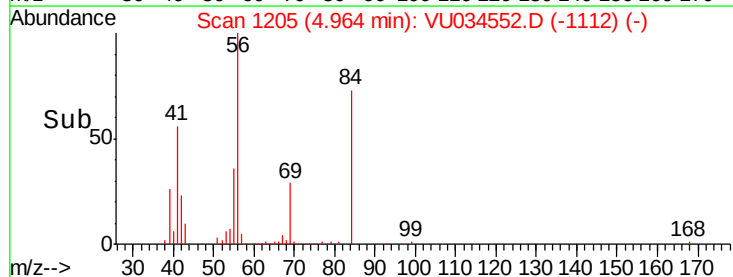
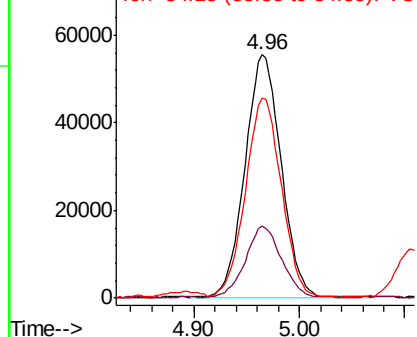


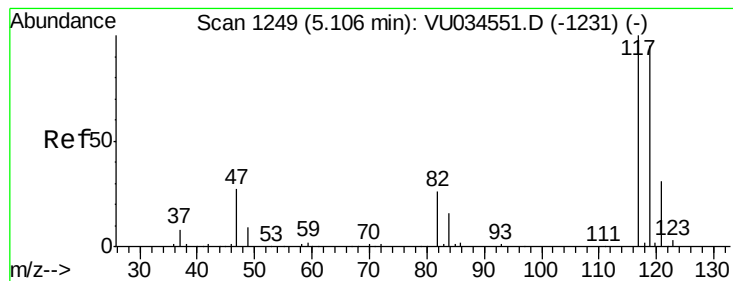
#30
 Cyclohexane
 Concen: 6.094 ug/L
 RT: 4.96 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VU034552.D
 Acq: 15 Sep 2019 09:13

Tgt Ion: 56 Resp: 131176
 Ion Ratio Lower Upper
 56 100
 69 29.2 25.6 38.4
 84 83.2 66.4 99.6



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: 7.121 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU034552.D

Acq: 15 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

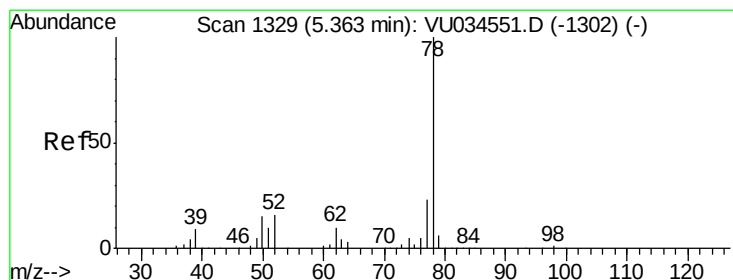
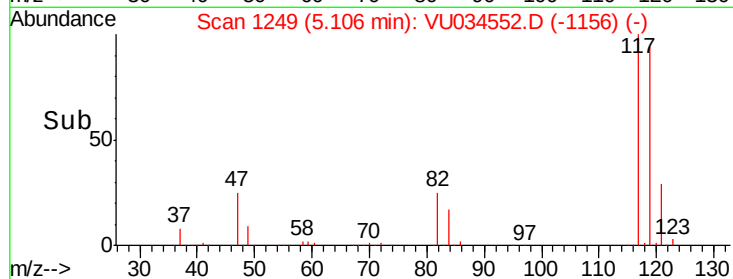
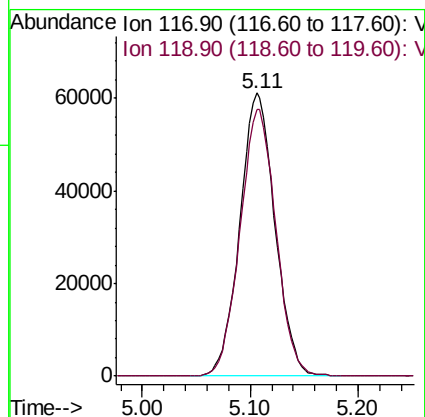
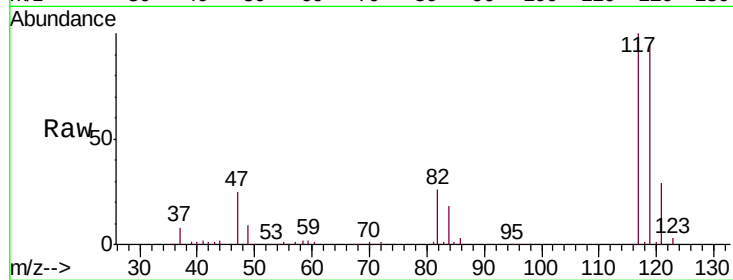
VSTD01005

Tgt Ion:117 Resp: 138505

Ion Ratio Lower Upper

117 100

119 96.2 76.9 115.3



#33

Benzene

Concen: 8.597 ug/L

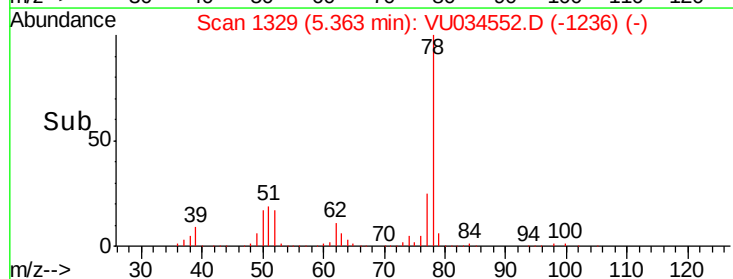
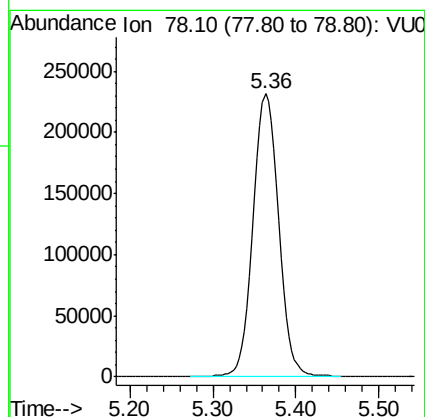
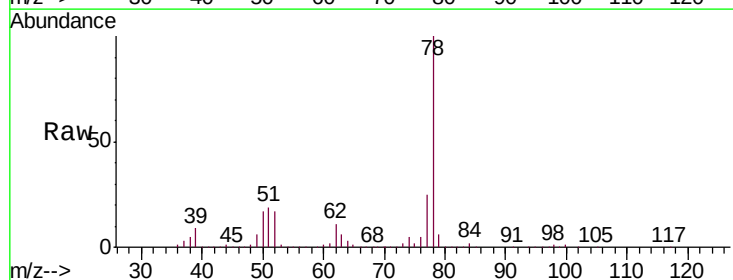
RT: 5.36 min Scan# 1329

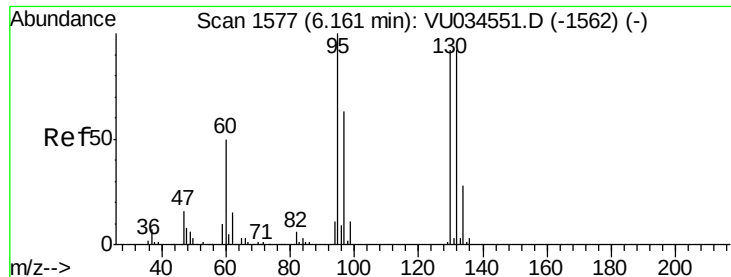
Delta R.T. -0.00 min

Lab File: VU034552.D

Acq: 15 Sep 2019 09:13

Tgt Ion: 78 Resp: 498562





#34

Trichloroethene

Concen: 8.259 ug/L

RT: 6.16 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VU034552.D

Acq: 15 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

Tgt Ion: 95 Resp: 124158

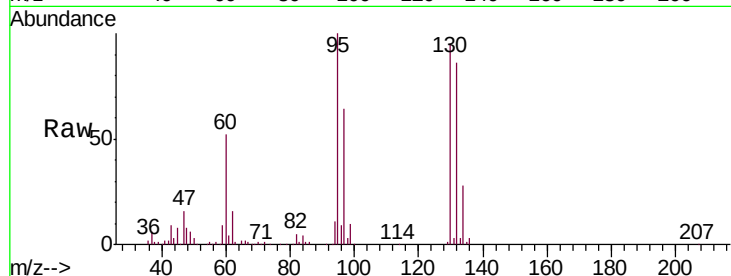
Ion Ratio Lower Upper

95 100

97 63.6 44.4 82.5

132 86.2 64.8 120.3

130 95.3 64.5 119.9

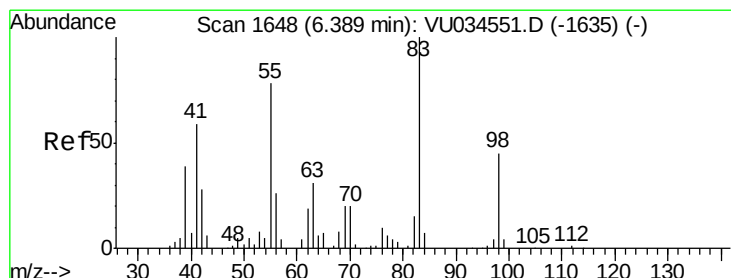
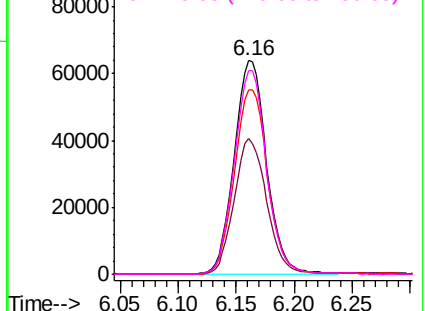
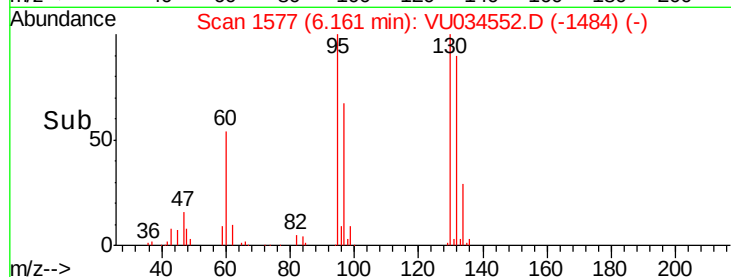


Abundance Ion 95.00 (94.70 to 95.70): VU034552.D (-1562) (-)

Ion 96.95 (96.65 to 97.65): VU034552.D (-1562) (-)

Ion 131.95 (131.65 to 132.65): VU034552.D (-1562) (-)

Ion 129.95 (129.65 to 130.65): VU034552.D (-1562) (-)



#35

Methylcyclohexane

Concen: 6.017 ug/L

RT: 6.39 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU034552.D

Acq: 15 Sep 2019 09:13

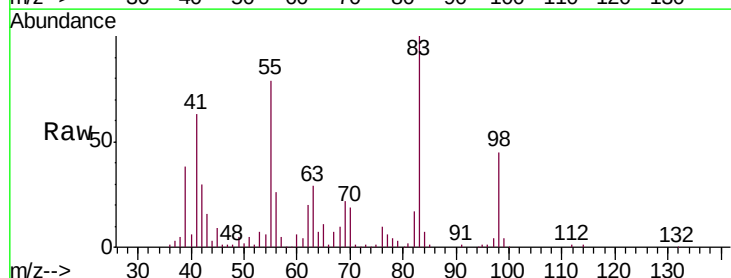
Tgt Ion: 83 Resp: 127969

Ion Ratio Lower Upper

83 100

55 77.3 63.6 95.4

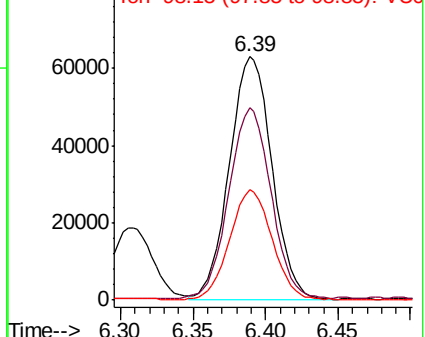
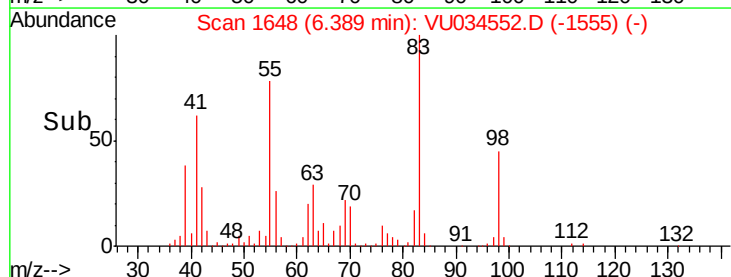
98 45.8 38.4 57.6

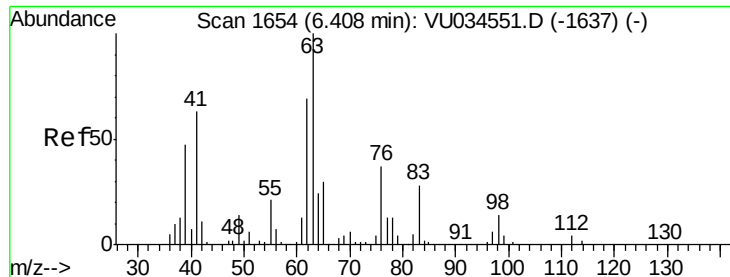


Abundance Ion 83.15 (82.85 to 83.85): VU034552.D (-1635) (-)

Ion 55.10 (54.80 to 55.80): VU034552.D (-1635) (-)

Ion 98.15 (97.85 to 98.85): VU034552.D (-1635) (-)

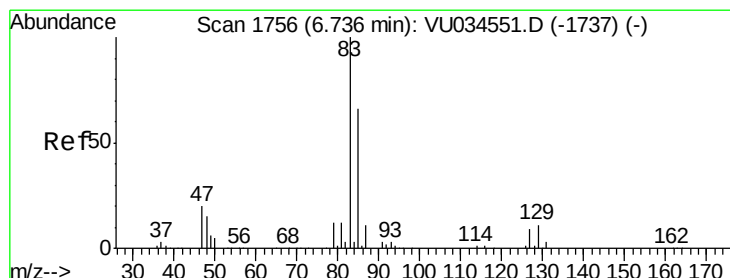
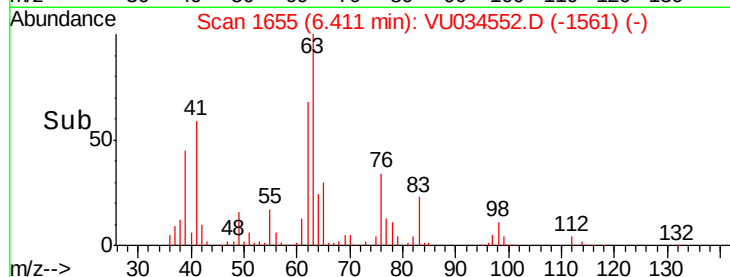
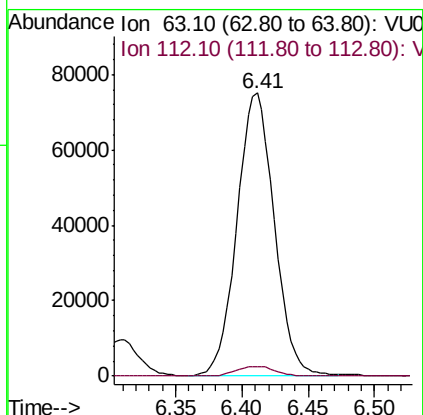
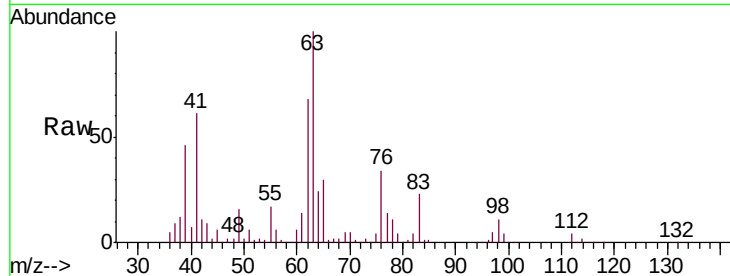




#37
 1,2-Dichloropropane
 Concen: 9.016 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034552.D
 Acq: 15 Sep 2019 09:13

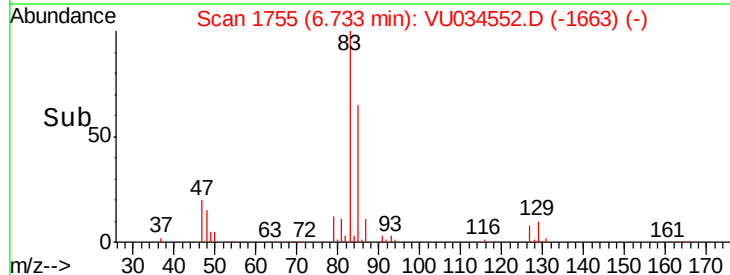
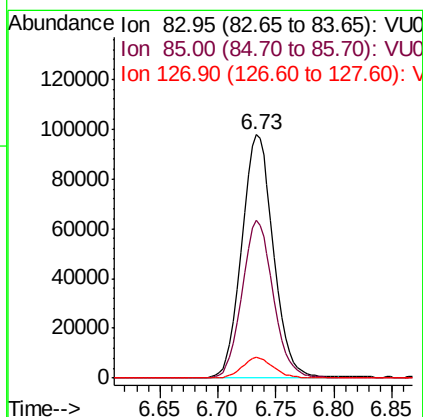
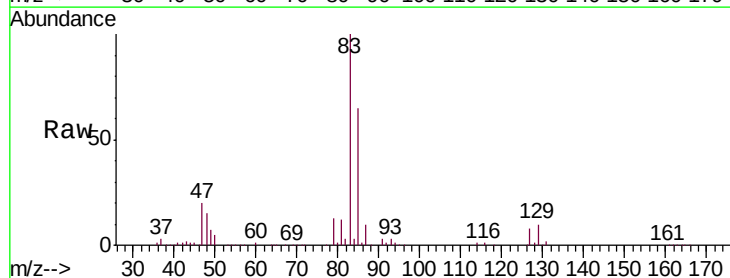
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

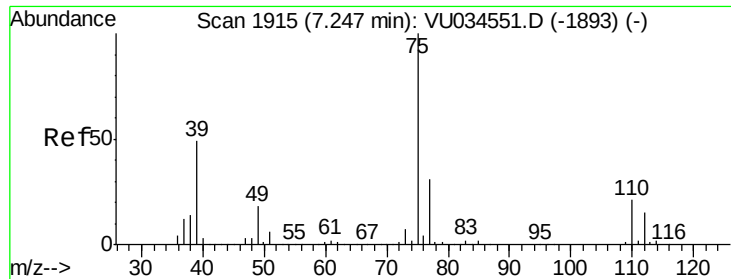
Tgt Ion: 63 Resp: 145719
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.9 4.3



#38
 Bromodichloromethane
 Concen: 9.310 ug/L
 RT: 6.73 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: VU034552.D
 Acq: 15 Sep 2019 09:13

Tgt Ion: 83 Resp: 184781
 Ion Ratio Lower Upper
 83 100
 85 64.6 46.5 86.5
 127 8.3 7.0 10.4

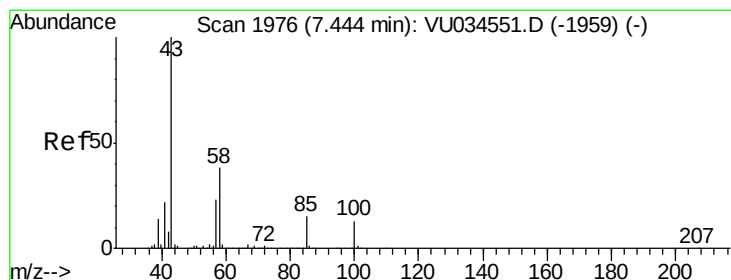
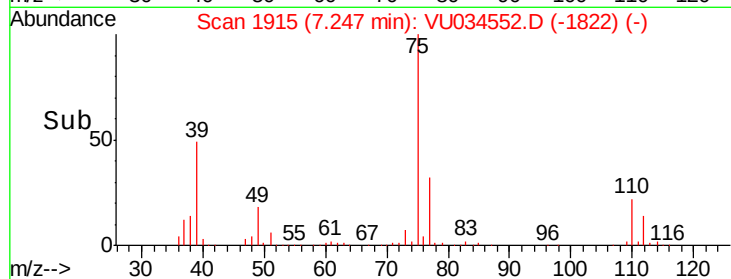
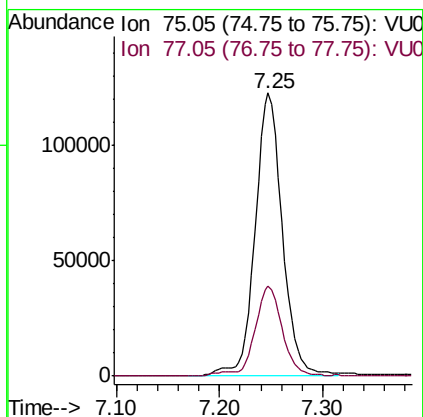
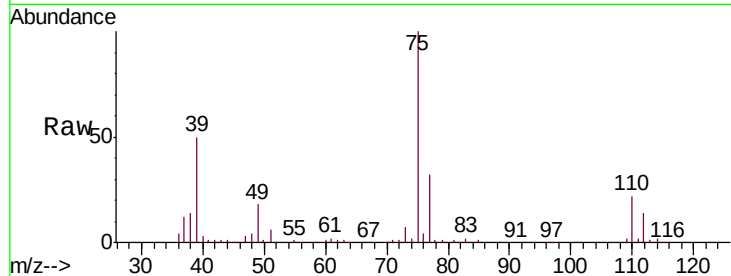




#39
 cis-1,3-Dichloropropene
 Concen: 10.312 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU034552.D
 Acq: 15 Sep 2019 09:13

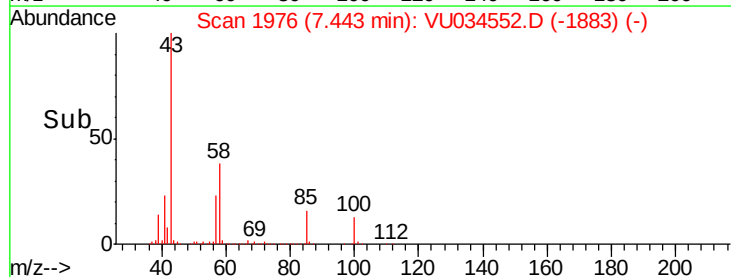
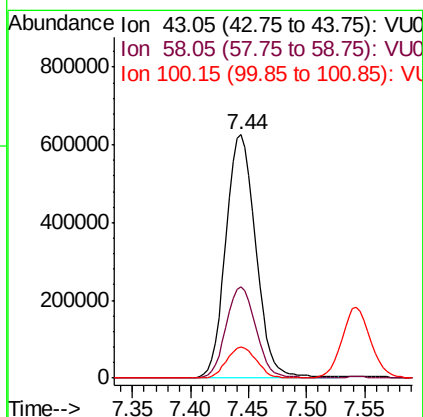
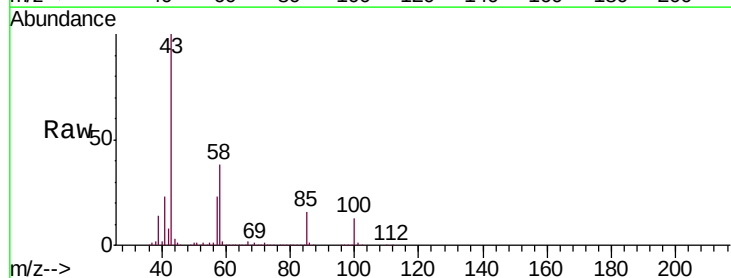
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

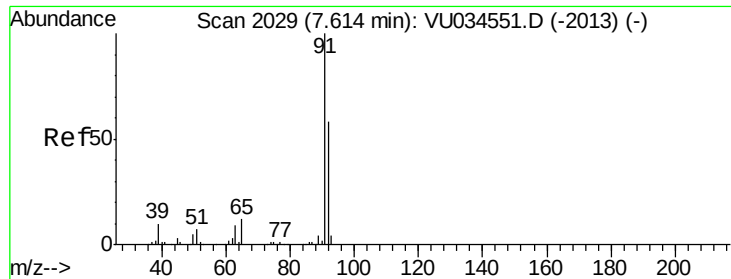
Tgt Ion: 75 Resp: 224856
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 110.360 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. -0.00 min
 Lab File: VU034552.D
 Acq: 15 Sep 2019 09:13

Tgt Ion: 43 Resp: 1116034
 Ion Ratio Lower Upper
 43 100
 58 37.7 30.0 45.0
 100 12.8 10.5 15.7





#42

Toluene

Concen: 9.060 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034552.D

Acq: 15 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

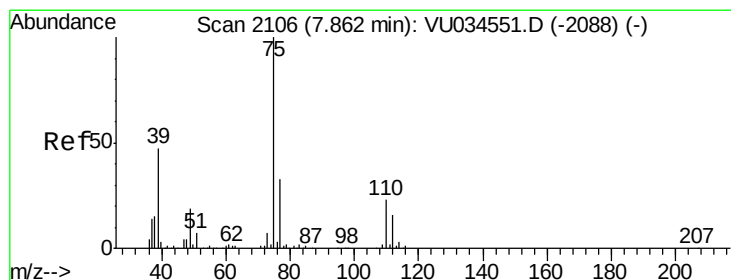
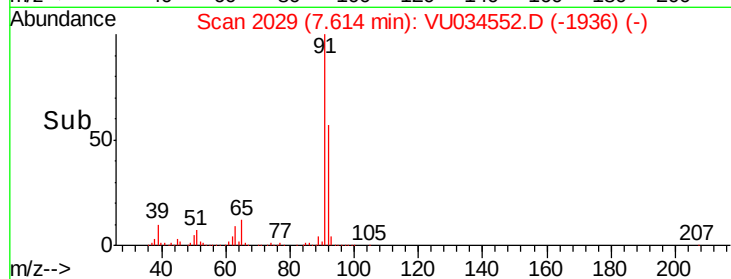
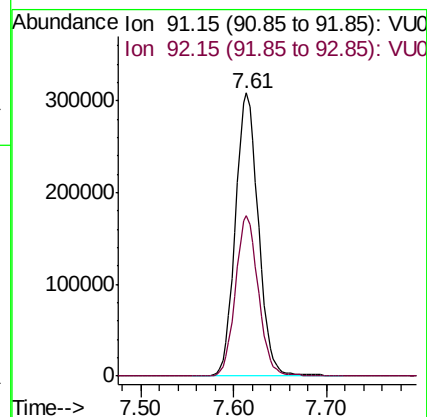
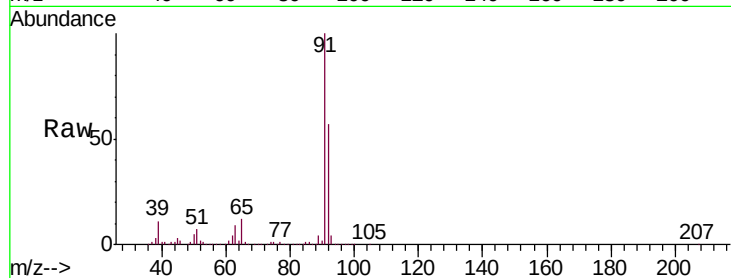
VSTD01005

Tgt Ion: 91 Resp: 530134

Ion Ratio Lower Upper

91 100

92 56.8 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 10.229 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034552.D

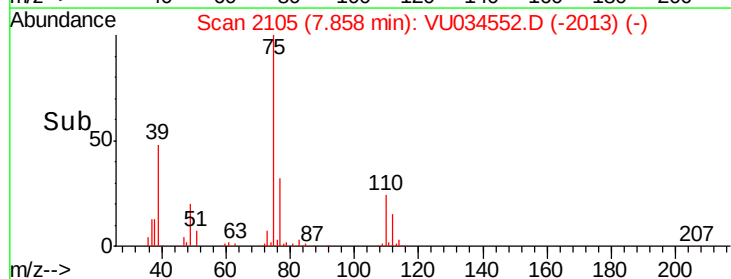
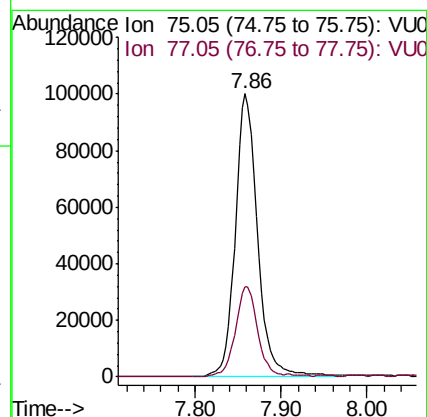
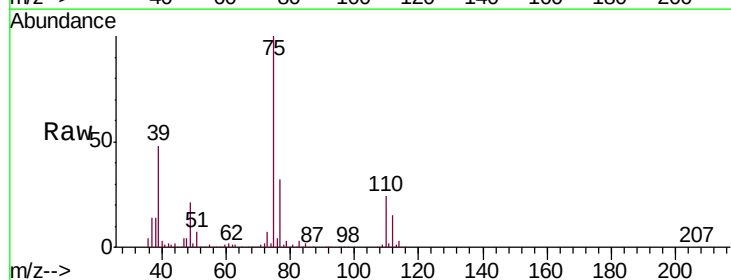
Acq: 15 Sep 2019 09:13

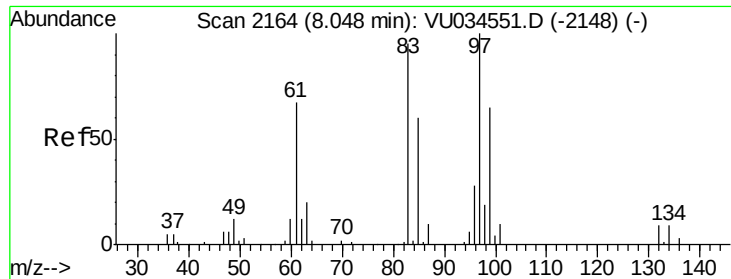
Tgt Ion: 75 Resp: 180914

Ion Ratio Lower Upper

75 100

77 32.0 23.4 43.4

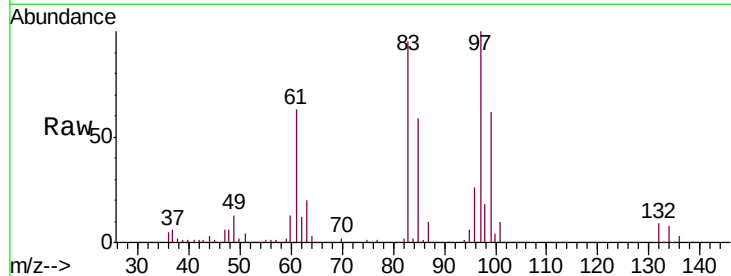




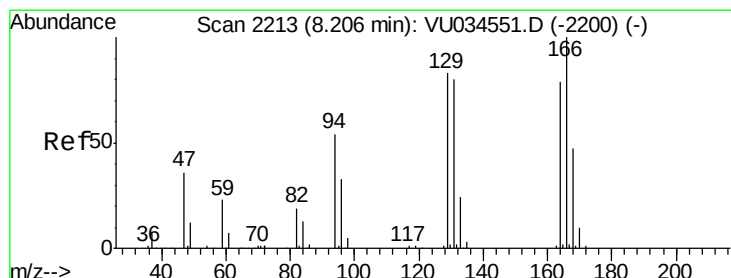
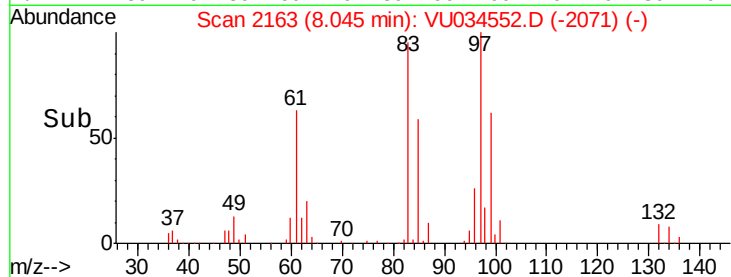
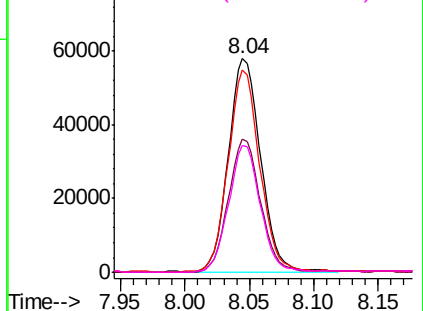
#45
 1,1,2-Trichloroethane
 Concen: 9.248 ug/L
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034552.D
 Acq: 15 Sep 2019 09:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Tgt Ion:	97	Resp:	101235
Ion	Ratio	Lower	Upper
97	100		
99	62.1	45.5	84.5
83	94.5	66.8	124.2
85	59.4	42.6	79.0

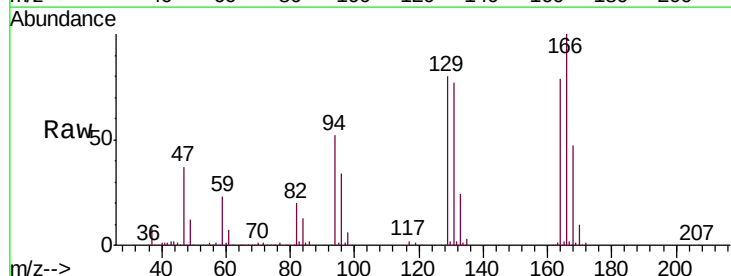


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

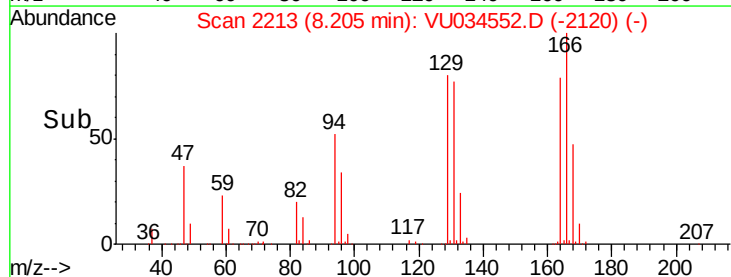
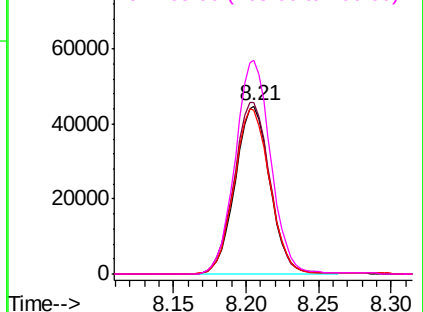


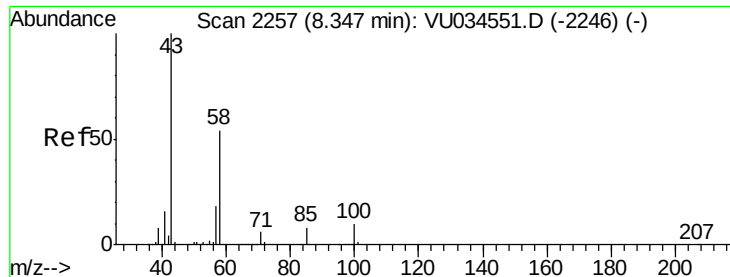
#47
 Tetrachloroethene
 Concen: 6.628 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU034552.D
 Acq: 15 Sep 2019 09:13

Tgt Ion:	164	Resp:	74889
Ion	Ratio	Lower	Upper
164	100		
129	101.8	73.7	136.9
131	97.4	71.5	132.7
166	127.1	89.1	165.5



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

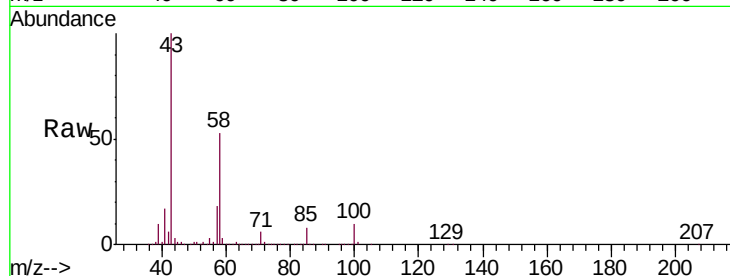




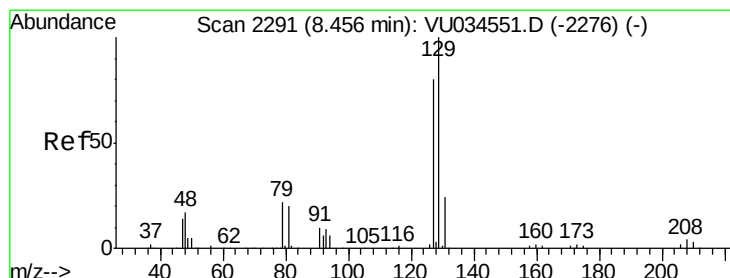
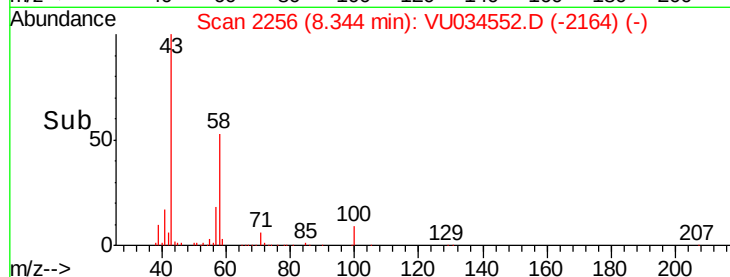
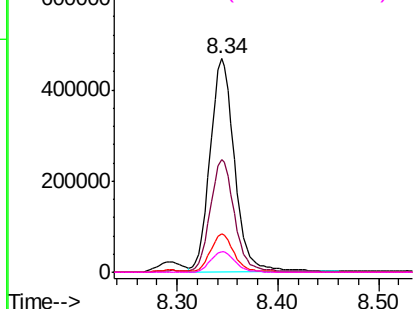
#48
2-Hexanone
Concen: 110.882 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU034552.D
Acq: 15 Sep 2019 09:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

Tgt Ion: 43 Resp: 777700
Ion Ratio Lower Upper
43 100
58 52.2 43.3 64.9
57 17.0 14.0 21.0
100 9.9 8.2 12.2

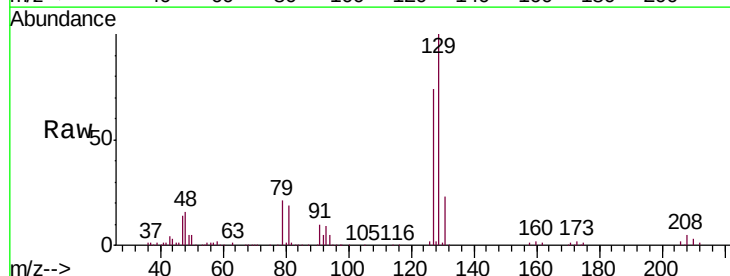


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

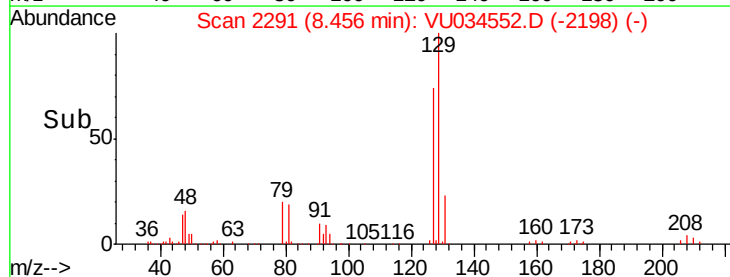
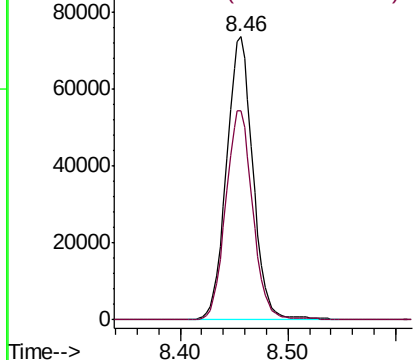


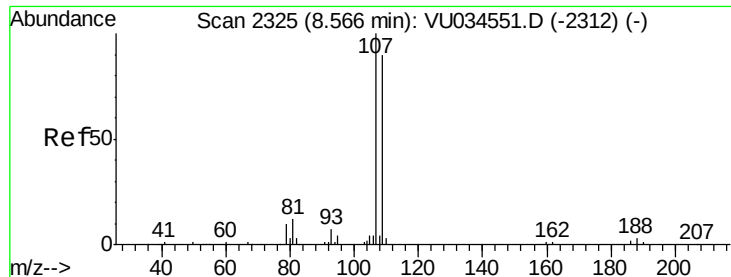
#49
Dibromochloromethane
Concen: 9.649 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034552.D
Acq: 15 Sep 2019 09:13

Tgt Ion: 129 Resp: 125746
Ion Ratio Lower Upper
129 100
127 74.1 56.2 104.4



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





#50

1,2-Dibromoethane

Concen: 8.975 ug/L

RT: 8.57 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU034552.D

Acq: 15 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

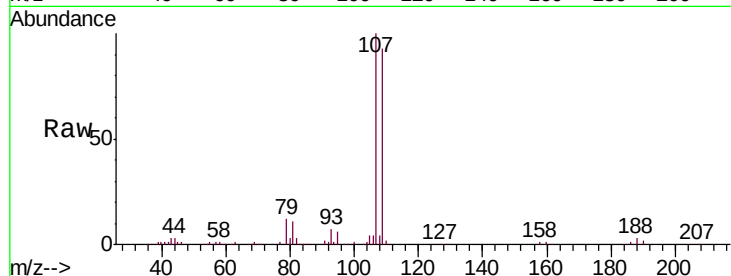
Tgt Ion:107 Resp: 93210

Ion Ratio Lower Upper

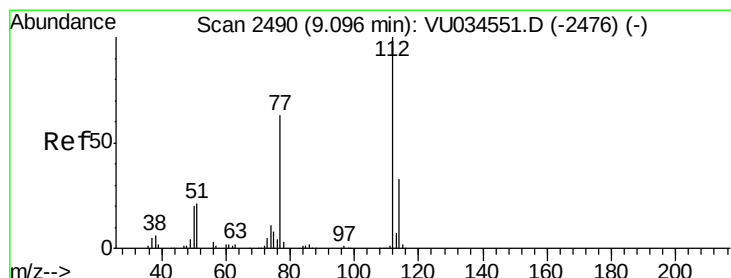
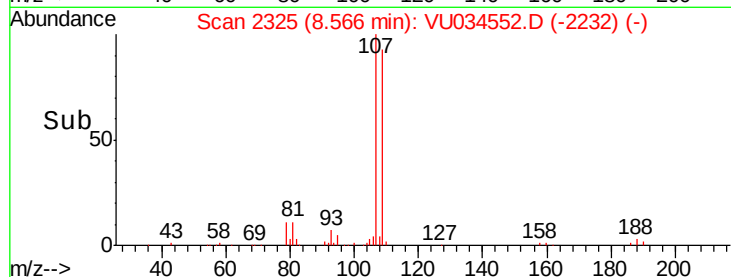
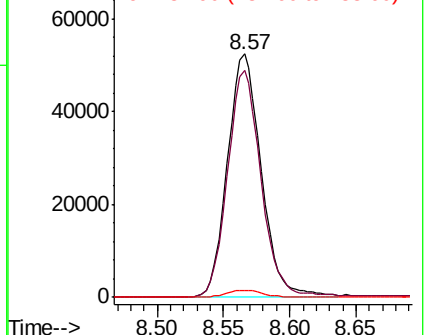
107 100

109 93.1 63.6 118.0

188 2.9 2.5 3.7



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: 8.975 ug/L

RT: 9.10 min Scan# 2490

Delta R.T. -0.00 min

Lab File: VU034552.D

Acq: 15 Sep 2019 09:13

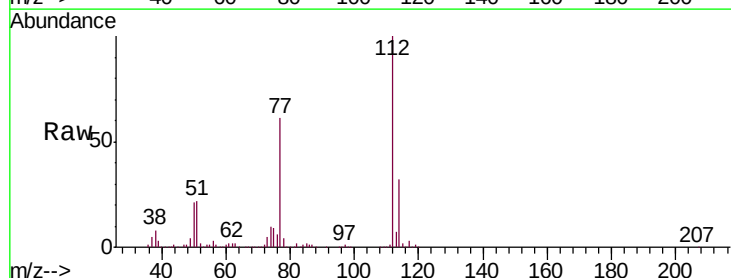
Tgt Ion:112 Resp: 347273

Ion Ratio Lower Upper

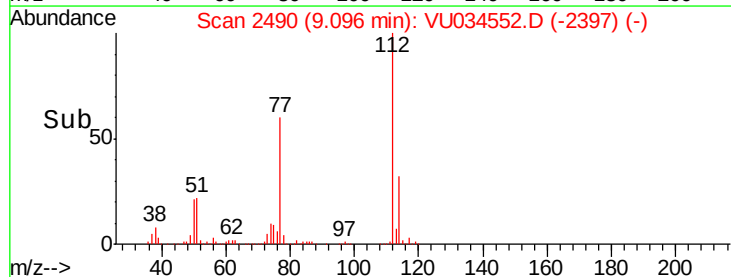
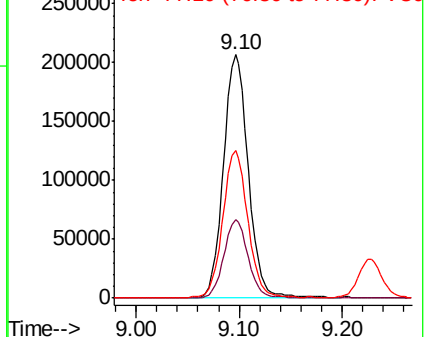
112 100

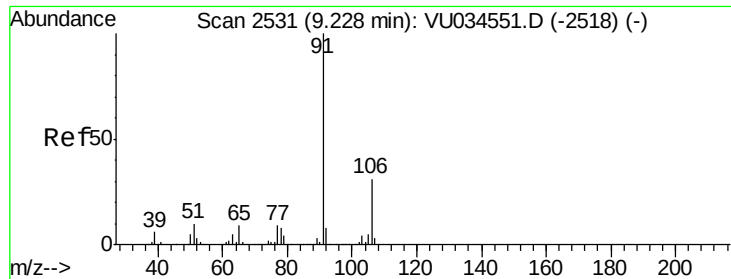
114 32.4 22.9 42.5

77 60.5 51.0 76.4



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





#52

Ethylbenzene

Concen: 9.703 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034552.D

Acq: 15 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

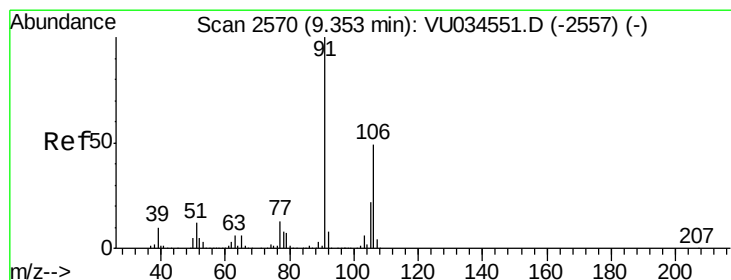
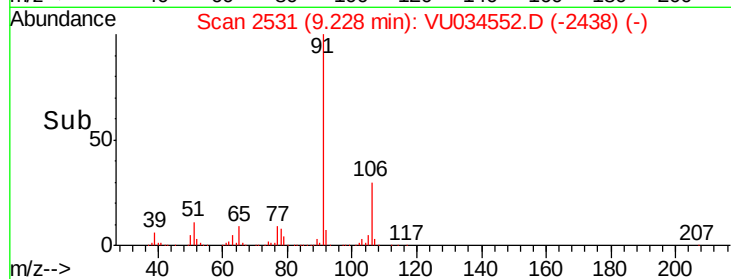
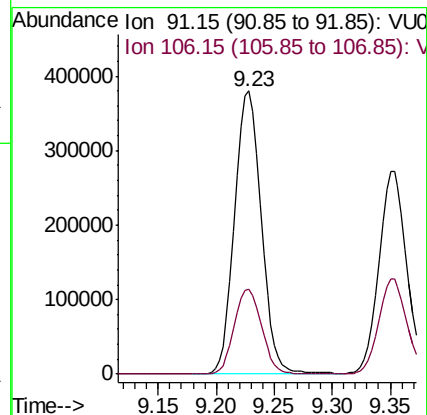
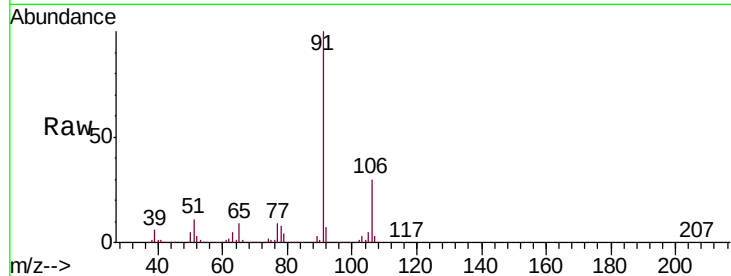
VSTD01005

Tgt Ion: 91 Resp: 605341

Ion Ratio Lower Upper

91 100

106 30.0 21.7 40.3



#53

m,p-Xylene

Concen: 9.448 ug/L

RT: 9.35 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU034552.D

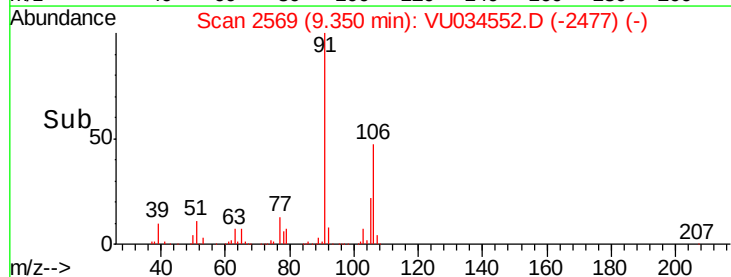
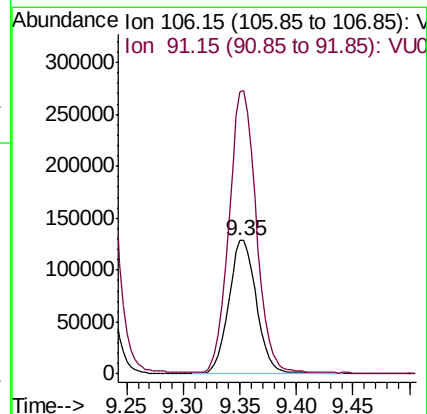
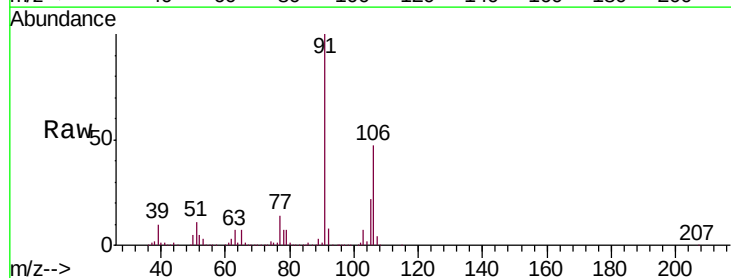
Acq: 15 Sep 2019 09:13

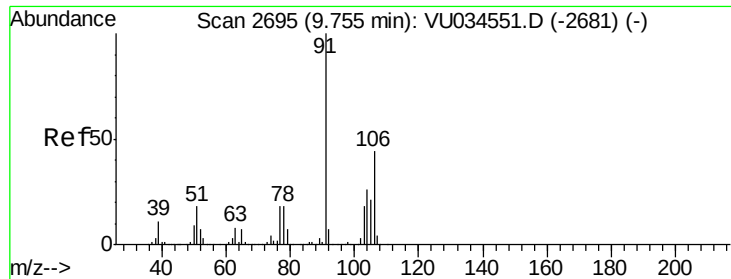
Tgt Ion: 106 Resp: 219086

Ion Ratio Lower Upper

106 100

91 211.1 144.3 267.9

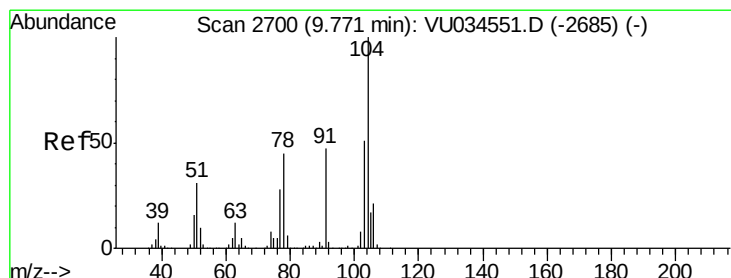
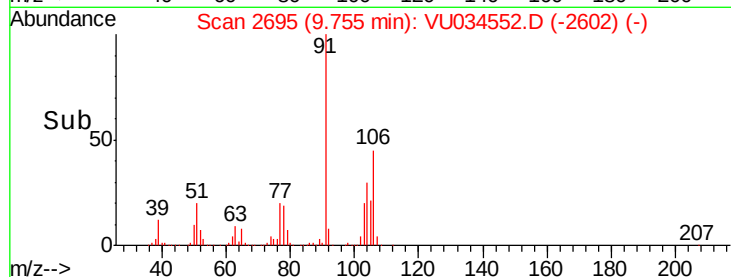
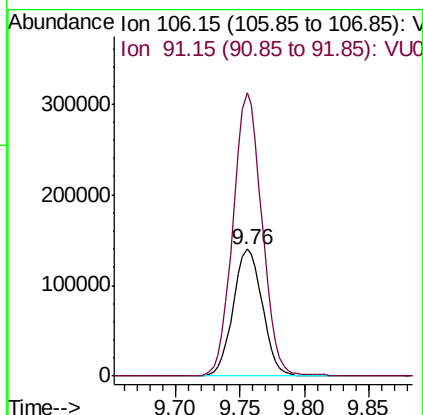
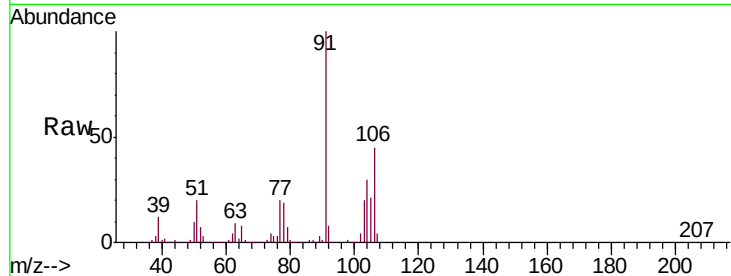




#54
o-Xylene
Concen: 10.012 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. -0.00 min
Lab File: VU034552.D
Acq: 15 Sep 2019 09:13

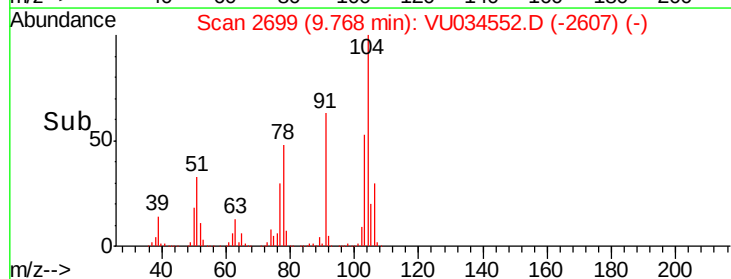
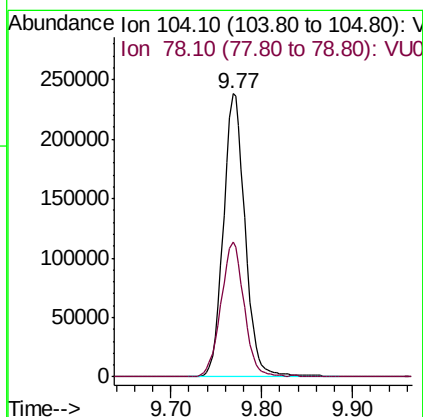
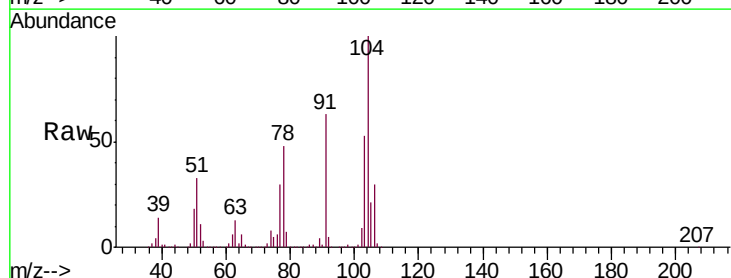
Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

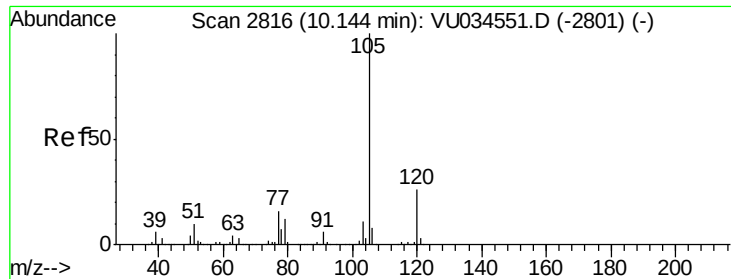
Tgt Ion:106 Resp: 221411
Ion Ratio Lower Upper
106 100
91 223.4 158.7 294.7



#55
Styrene
Concen: 10.425 ug/L
RT: 9.77 min Scan# 2699
Delta R.T. -0.00 min
Lab File: VU034552.D
Acq: 15 Sep 2019 09:13

Tgt Ion:104 Resp: 396059
Ion Ratio Lower Upper
104 100
78 47.7 31.8 59.0





#56

Isopropylbenzene

Concen: 9.770 ug/L

RT: 10.14 min Scan# 2815

Delta R.T. -0.00 min

Lab File: VU034552.D

Acq: 15 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

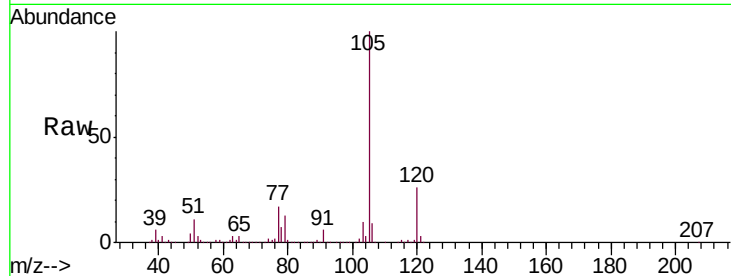
Tgt Ion:105 Resp: 572439

Ion Ratio Lower Upper

105 100

120 25.9 20.6 31.0

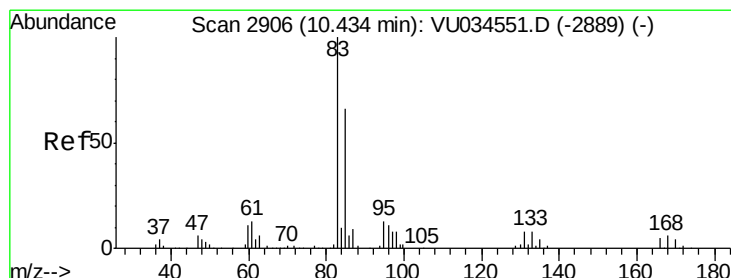
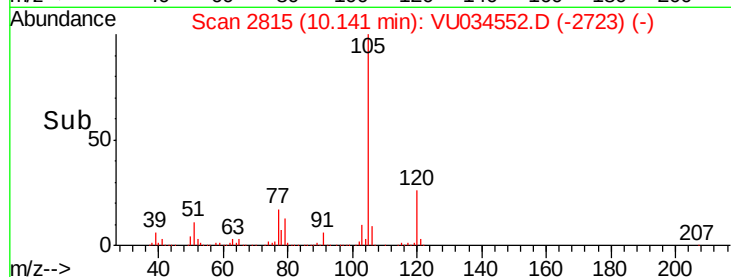
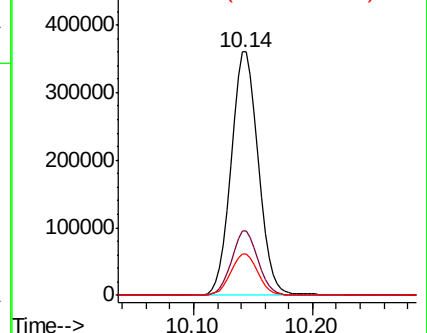
77 16.8 13.4 20.0



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: 9.703 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034552.D

Acq: 15 Sep 2019 09:13

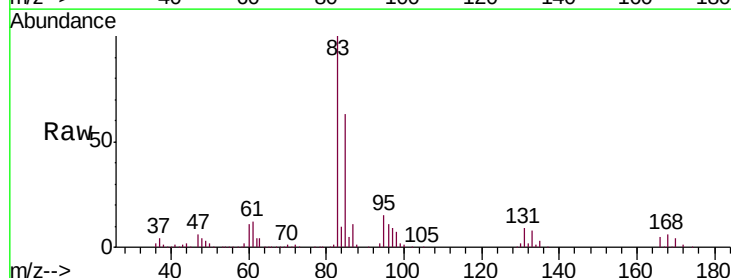
Tgt Ion: 83 Resp: 141802

Ion Ratio Lower Upper

83 100

85 63.2 46.2 85.8

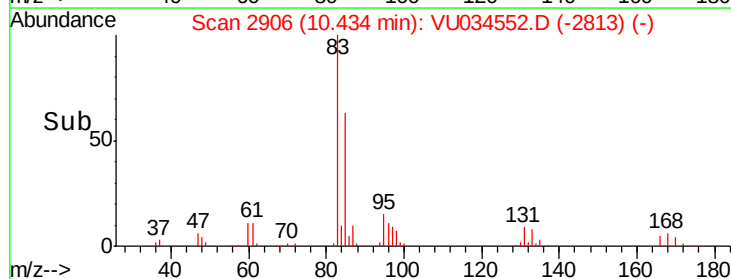
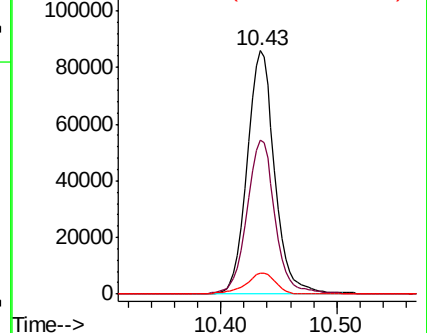
131 8.6 6.4 9.6

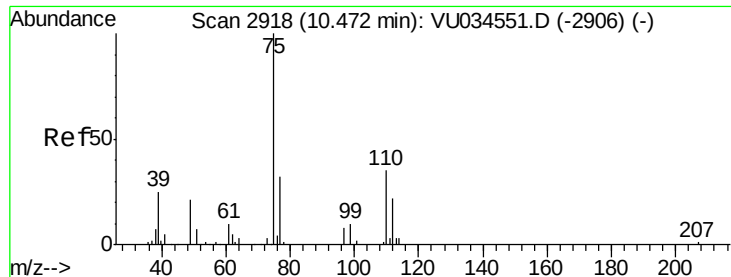


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

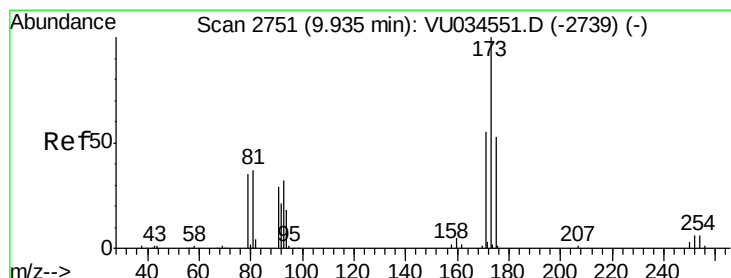
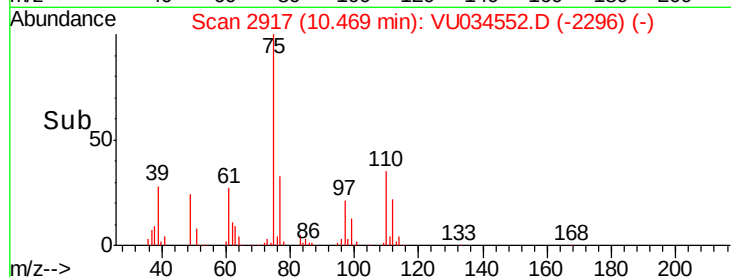
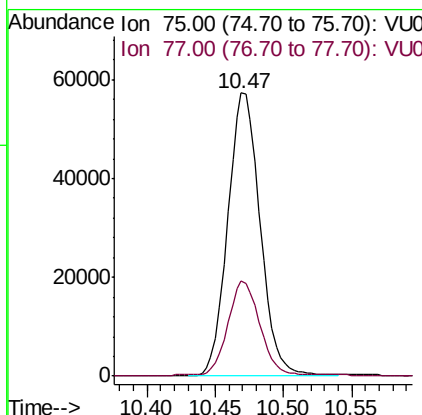
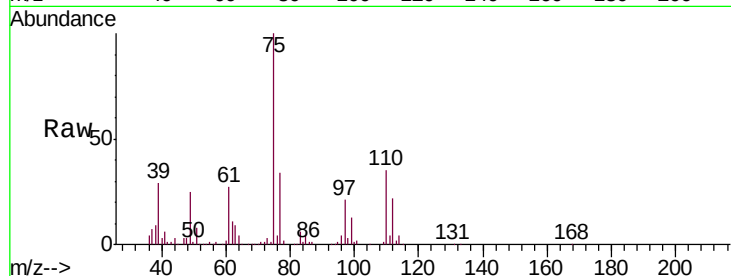




#59
 1,2,3-Trichloropropane
 Concen: 9.159 ug/L
 RT: 10.47 min Scan# 2917
 Delta R.T. -0.00 min
 Lab File: VU034552.D
 Acq: 15 Sep 2019 09:13

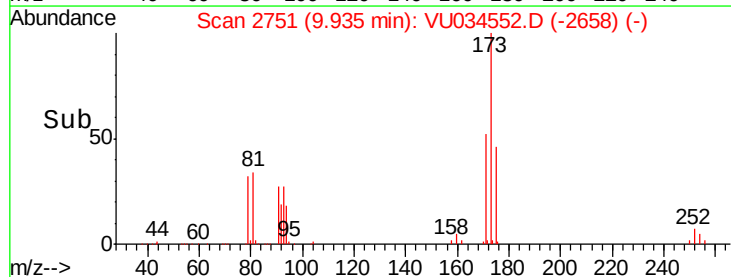
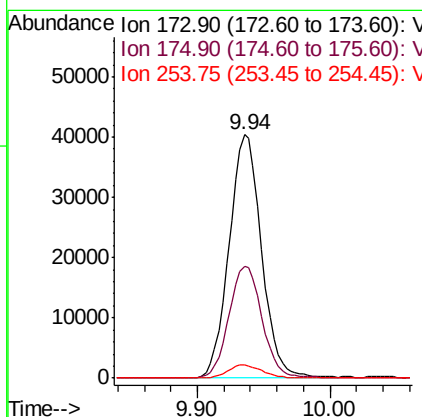
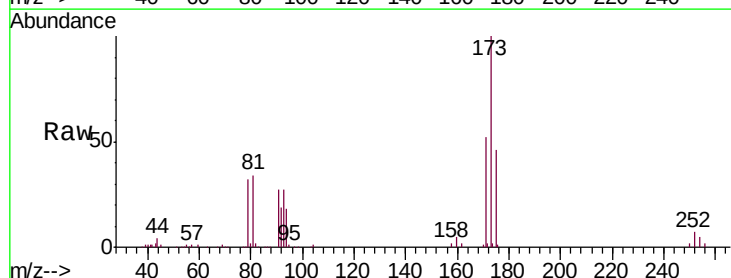
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

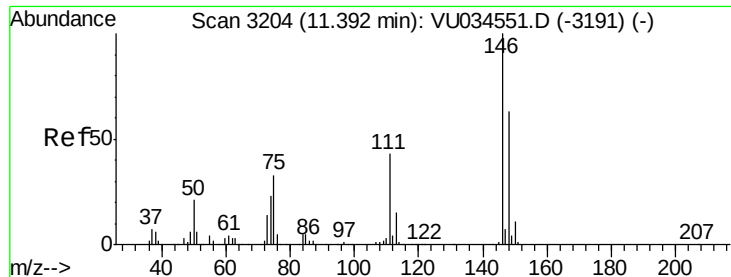
Tgt Ion: 75 Resp: 94844
 Ion Ratio Lower Upper
 75 100
 77 32.0 27.3 40.9



#61
 Bromoform
 Concen: 9.813 ug/L
 RT: 9.94 min Scan# 2751
 Delta R.T. -0.00 min
 Lab File: VU034552.D
 Acq: 15 Sep 2019 09:13

Tgt Ion: 173 Resp: 68568
 Ion Ratio Lower Upper
 173 100
 175 47.1 39.8 59.6
 254 5.5 5.2 7.8





#62

1,3-Dichlorobenzene

Concen: 9.388 ug/L

RT: 11.39 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU034552.D

Acq: 15 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

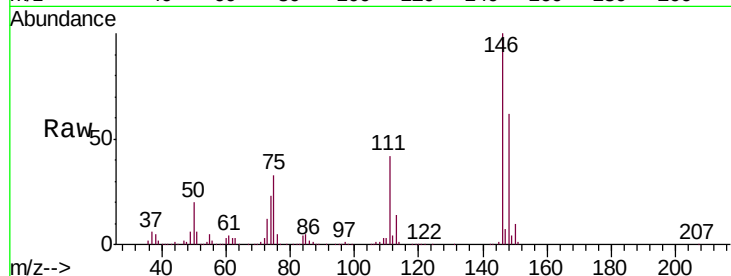
Tgt Ion:146 Resp: 269586

Ion Ratio Lower Upper

146 100

111 42.1 30.3 56.3

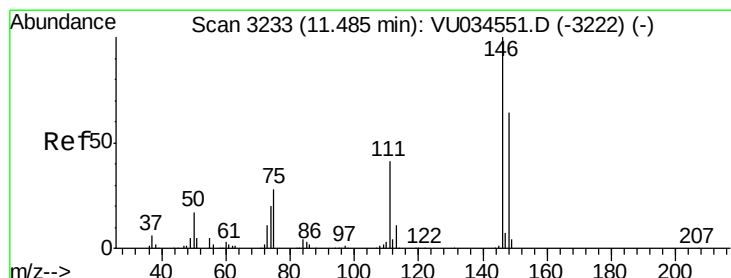
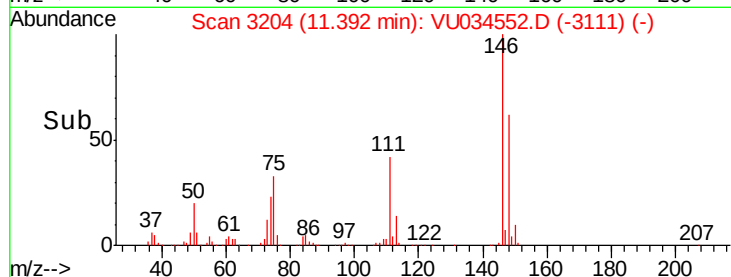
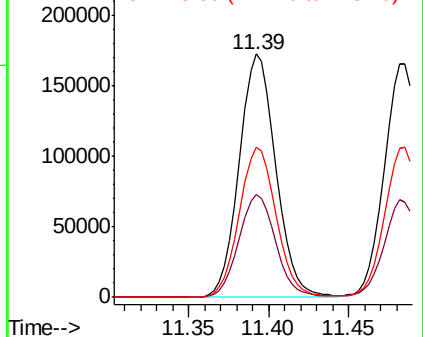
148 61.6 44.3 82.3



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: 9.079 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. -0.00 min

Lab File: VU034552.D

Acq: 15 Sep 2019 09:13

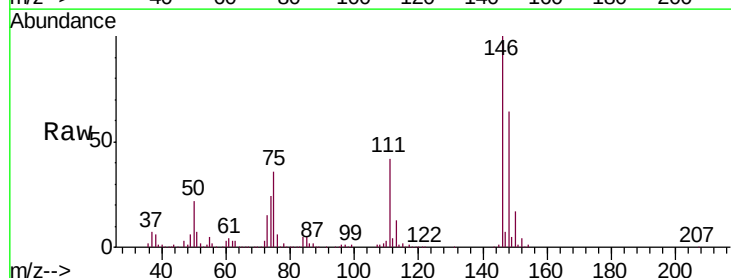
Tgt Ion:146 Resp: 269787

Ion Ratio Lower Upper

146 100

111 41.6 29.2 54.2

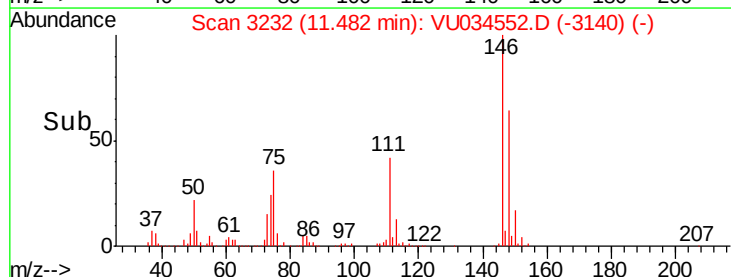
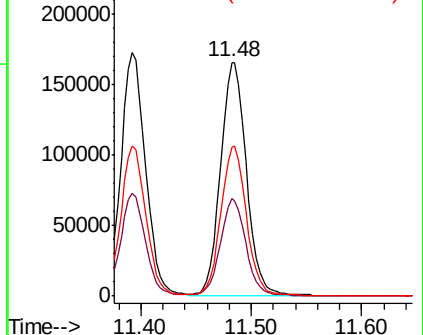
148 63.7 44.5 82.7

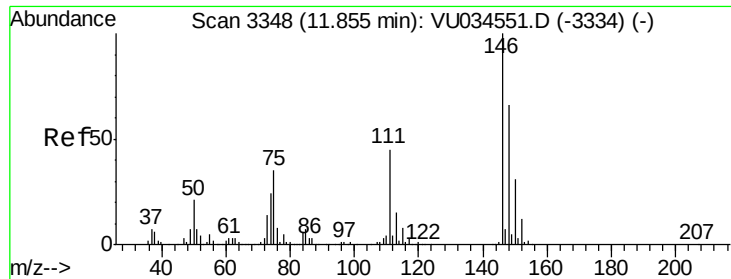


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

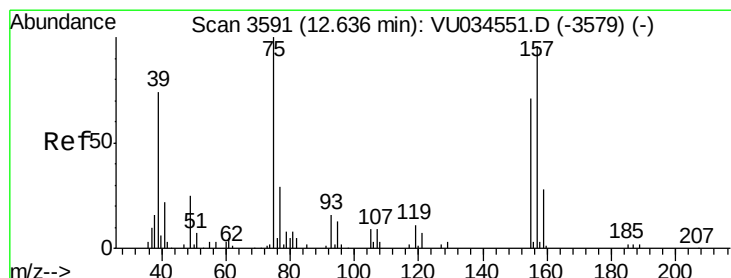
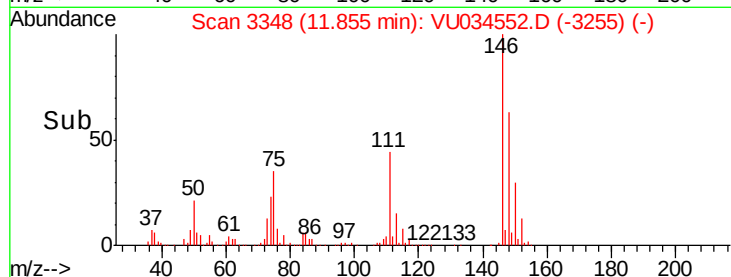
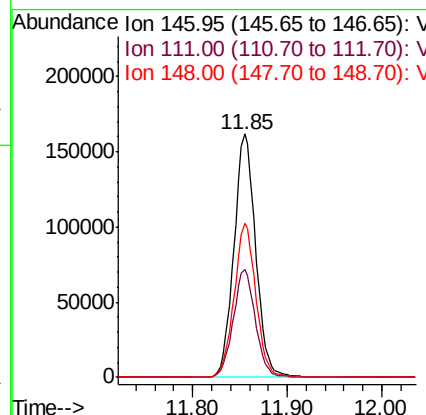
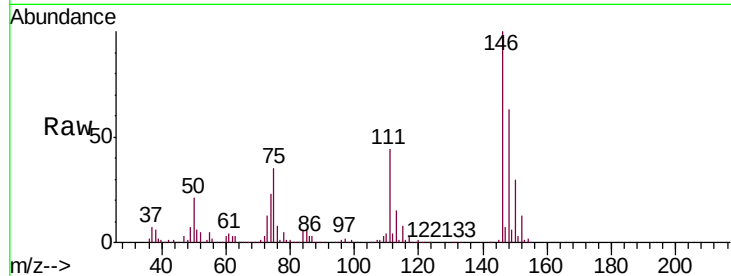




#65
 1,2-Dichlorobenzene
 Concen: 9.327 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034552.D
 Acq: 15 Sep 2019 09:13

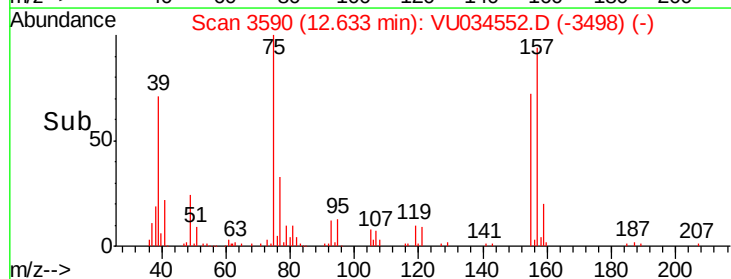
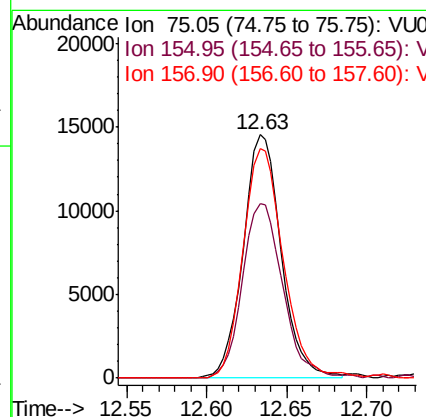
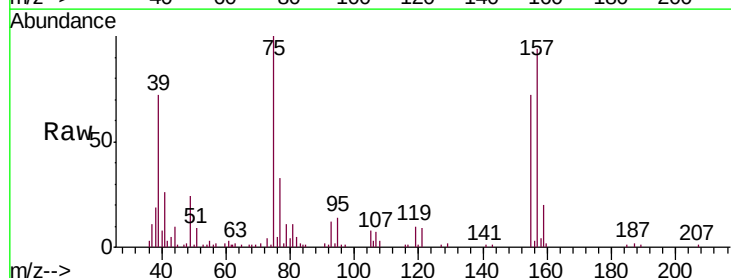
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

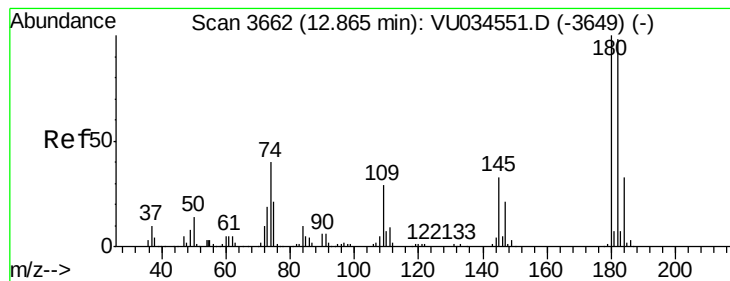
Tgt Ion: 146 Resp: 258612
 Ion Ratio Lower Upper
 146 100
 111 44.3 36.4 54.6
 148 63.0 52.6 78.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 10.420 ug/L
 RT: 12.63 min Scan# 3590
 Delta R.T. -0.00 min
 Lab File: VU034552.D
 Acq: 15 Sep 2019 09:13

Tgt Ion: 75 Resp: 23545
 Ion Ratio Lower Upper
 75 100
 155 71.9 57.2 85.8
 157 94.2 77.0 115.4





#67

1,3,5-Trichlorobenzene

Concen: 8.696 ug/L

RT: 12.86 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VU034552.D

Acq: 15 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

Tgt Ion:180 Resp: 191636

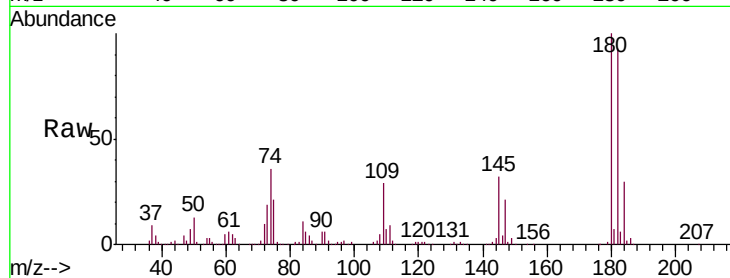
Ion Ratio Lower Upper

180 100

182 93.6 75.9 113.9

184 29.4 24.2 36.2

145 32.6 25.9 38.9

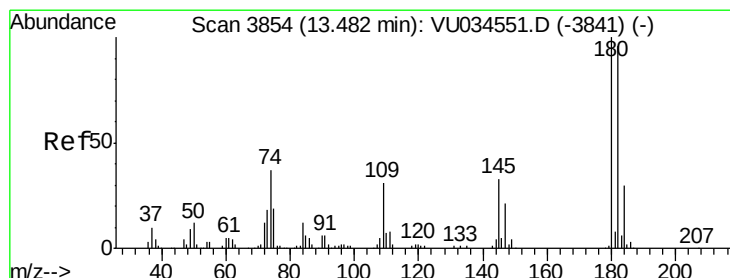
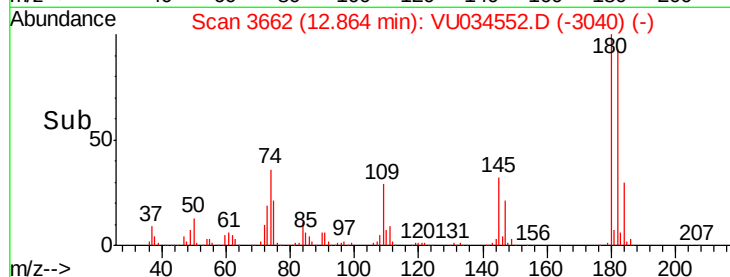
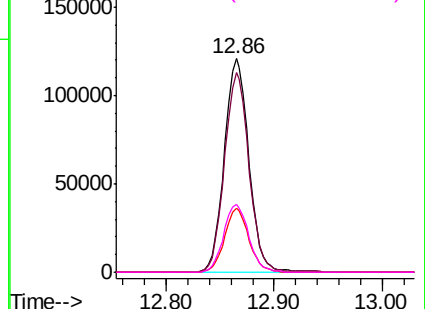


Abundance Ion 180.00 (179.70 to 180.70): V

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: 10.095 ug/L

RT: 13.48 min Scan# 3854

Delta R.T. -0.00 min

Lab File: VU034552.D

Acq: 15 Sep 2019 09:13

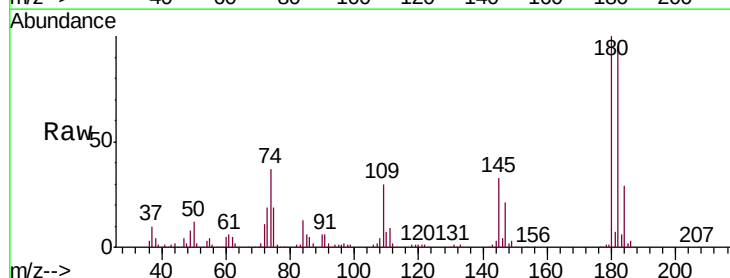
Tgt Ion:180 Resp: 168627

Ion Ratio Lower Upper

180 100

182 95.9 76.1 114.1

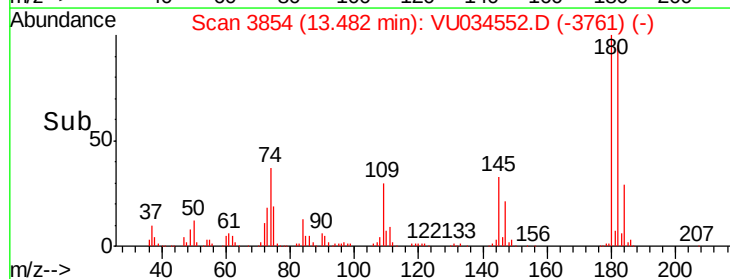
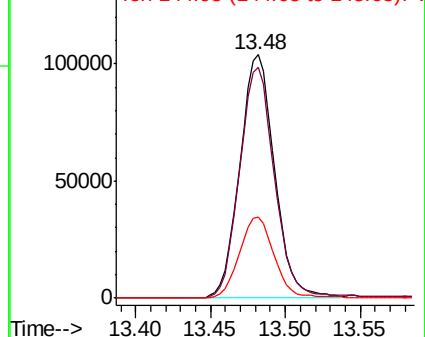
145 33.6 27.0 40.6

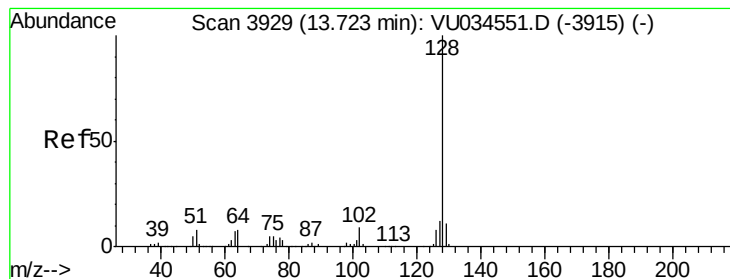


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 13.455 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. -0.00 min

Lab File: VU034552.D

Acq: 15 Sep 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

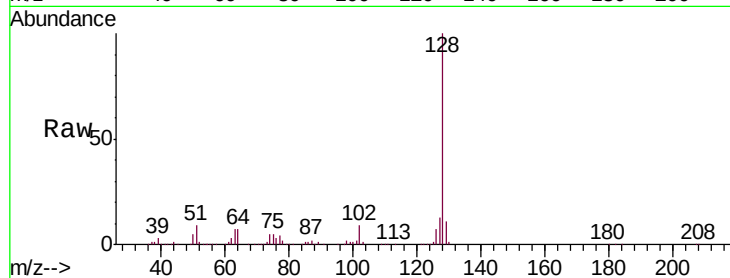
Tgt Ion:128 Resp: 375578

Ion Ratio Lower Upper

128 100

129 10.5 8.8 13.2

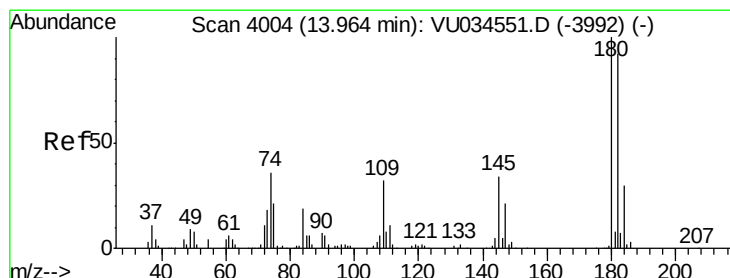
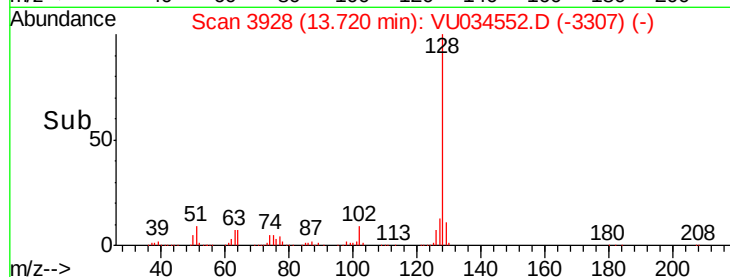
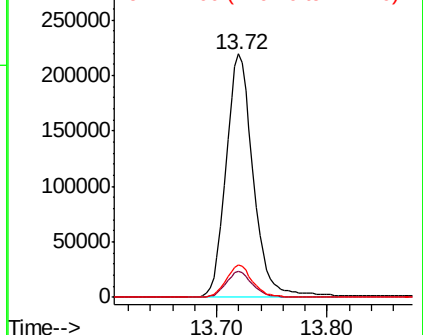
127 12.8 10.1 15.1



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: 9.665 ug/L

RT: 13.96 min Scan# 4004

Delta R.T. -0.00 min

Lab File: VU034552.D

Acq: 15 Sep 2019 09:13

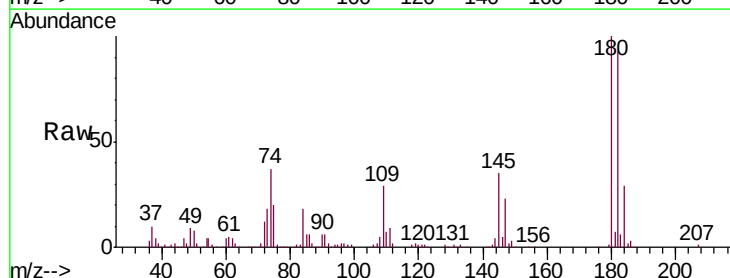
Tgt Ion:180 Resp: 155009

Ion Ratio Lower Upper

180 100

182 94.5 72.8 109.2

145 35.0 27.2 40.8



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

