

Data File : VU032449.D
Acq On : 05 Jun 2019 09:01
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Quant Time: Jun 06 01:05:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 04 22:54:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	103395	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	97002	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	50797	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	31225	4.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.80%
7) Chloroethane-d5	1.68	69	27226	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.80%
11) 1,1-Dichloroethene-d2	2.27	63	62136	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.20%
20) 2-Butanone-d5	4.19	46	96407	51.39	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.78%
24) Chloroform-d	4.64	84	57846	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.31	65	29749	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	5.33	84	112980	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.32	67	35420	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.56	98	103652	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
43) trans-1,3-Dichloropropene-	7.85	79	15347	4.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.60%
46) 2-Hexanone-d5	8.31	63	76380	47.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.98%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	30387	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	43220	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	43826	4.940 ug/L	99
3) Chloromethane	1.32	50	43501	4.728 ug/L	100
5) Vinyl chloride	1.40	62	45168	4.994 ug/L	99
6) Bromomethane	1.63	94	26430	4.791 ug/L	99
8) Chloroethane	1.69	64	29057	5.029 ug/L	99
9) Trichlorofluoromethane	1.88	101	62349	4.817 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	33285	4.837 ug/L	98
12) 1,1-Dichloroethene	2.28	96	31597	4.810 ug/L	96
13) Acetone	2.33	43	70386	48.338 ug/L	99
14) Carbon disulfide	2.47	76	100823	4.792 ug/L	100
15) Methyl Acetate	2.62	43	18049	4.517 ug/L	100
16) Methylene chloride	2.69	84	34401	4.722 ug/L	98
17) Methyl tert-butyl Ether	3.00	73	93765	4.880 ug/L	99
18) trans-1,2-Dichloroethene	2.97	96	34088	4.809 ug/L	96
19) 1,1-Dichloroethane	3.44	63	62779	4.948 ug/L	98
21) 2-Butanone	4.28	43	106559	50.315 ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	38816	4.839 ug/L	97

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Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Quant Time: Jun 06 01:05:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 04 22:54:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	17741	5.139	ug/L	97
25) Chloroform	4.67	83	64282	4.960	ug/L	97
27) 1,2-Dichloroethane	5.40	62	41951	4.925	ug/L	100
29) 1,1,1-Trichloroethane	4.91	97	58184	4.922	ug/L	99
30) Cyclohexane	4.98	56	60062	4.808	ug/L	99
31) Carbon tetrachloride	5.12	117	52951	4.927	ug/L	98
33) Benzene	5.38	78	141370	4.943	ug/L	100
34) Trichloroethene	6.18	95	39182	4.763	ug/L	96
35) Methylcyclohexane	6.41	83	65343	4.939	ug/L	99
37) 1,2-Dichloropropane	6.43	63	36110	4.880	ug/L	100
38) Bromodichloromethane	6.75	83	45805	4.816	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	57502	5.062	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	262416	49.833	ug/L	100
42) Toluene	7.63	91	154593	4.850	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	44607	4.918	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	26337	4.892	ug/L	96
47) Tetrachloroethene	8.22	164	33236	5.134	ug/L	96
48) 2-Hexanone	8.36	43	184239	48.959	ug/L	98
49) Dibromochloromethane	8.47	129	34832	5.058	ug/L	99
50) 1,2-Dibromoethane	8.58	107	26636	4.965	ug/L	97
51) Chlorobenzene	9.11	112	100727	5.040	ug/L	99
52) Ethylbenzene	9.24	91	173659	4.944	ug/L	100
53) m,p-Xylene	9.37	106	67159	5.043	ug/L	97
54) o-Xylene	9.77	106	65485	4.927	ug/L	97
55) Styrene	9.79	104	109927	5.027	ug/L	97
56) Isopropylbenzene	10.16	105	174842	4.987	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	32727	4.753	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	24195	4.979	ug/L	99
61) Bromoform	9.95	173	19861	4.866	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	83185	5.016	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	83450	4.950	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	80597	5.030	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	5458	4.851	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	68402	5.147	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	58560	5.465	ug/L	99
69) Naphthalene	13.74	128	98995	5.270	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	53846	5.046	ug/L	99

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

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ALS Vial      : 2      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

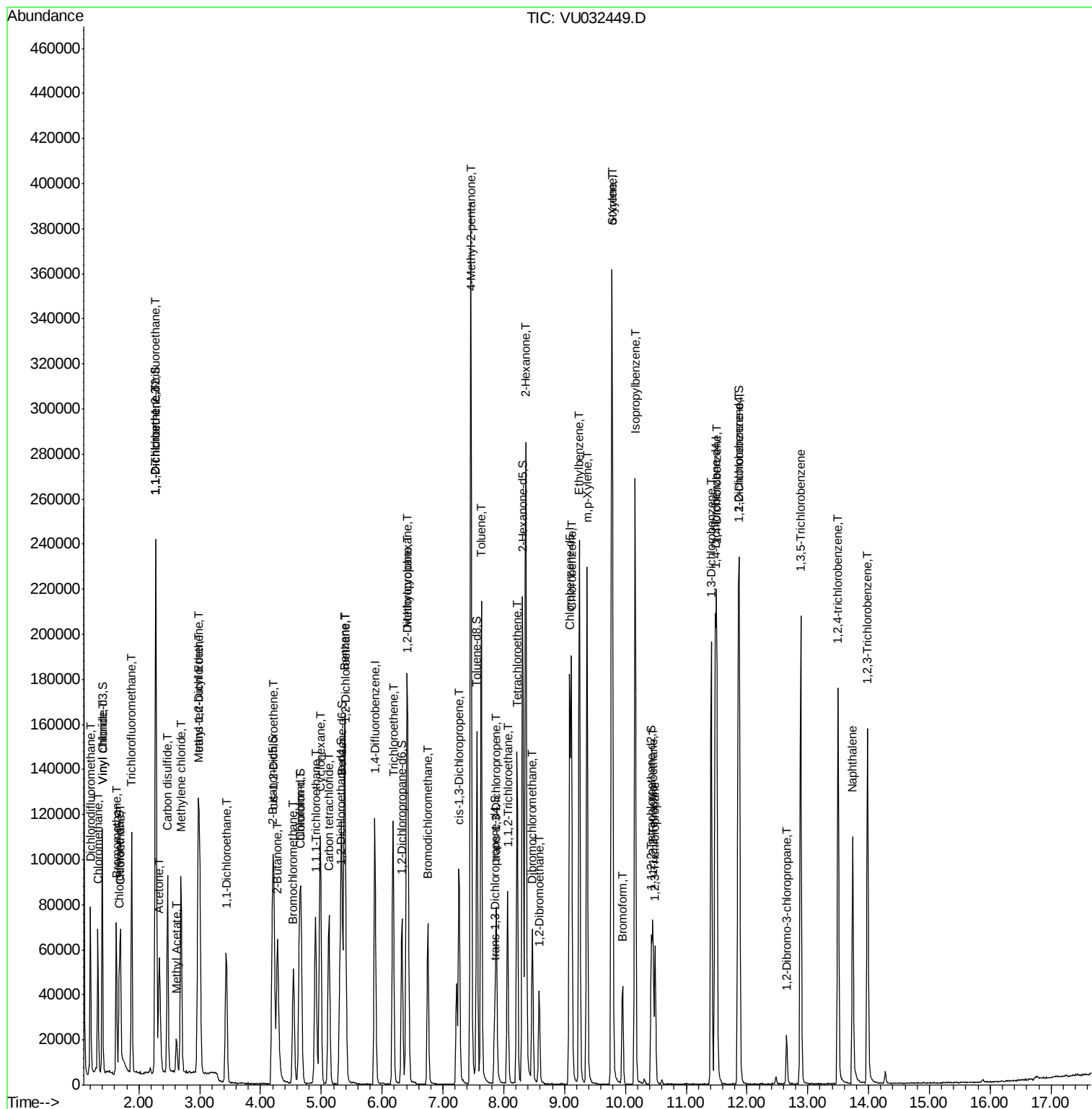
Quant Time: Jun 06 01:05:24 2019

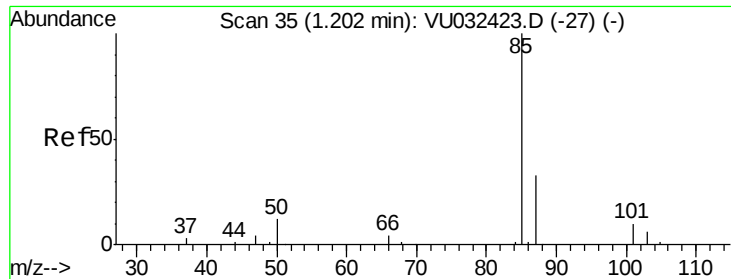
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR060419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Jun 04 22:54:09 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.940 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032449.D

Acq: 05 Jun 2019 09:01

Instrument :

MSVOA_U

ClientSampleId :

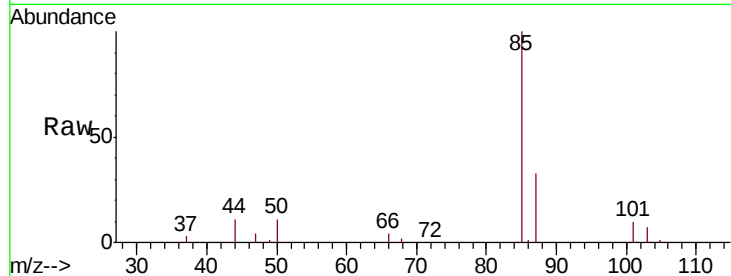
VSTD00521

Tgt Ion: 85 Resp: 43826

Ion Ratio Lower Upper

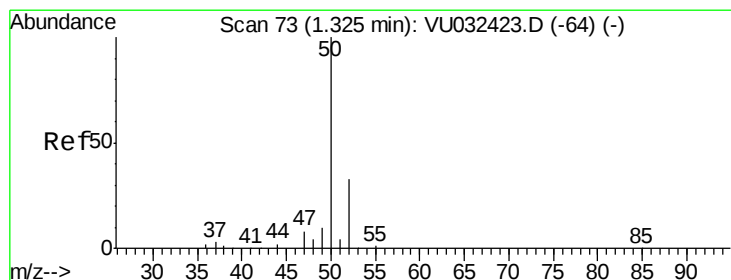
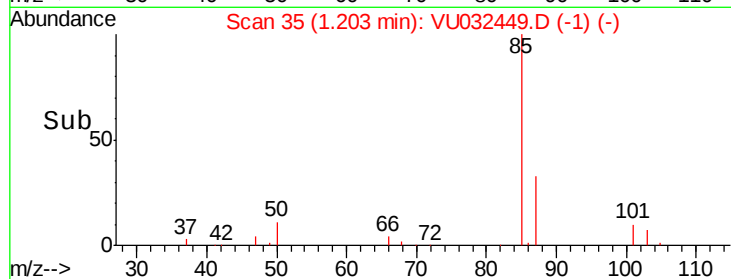
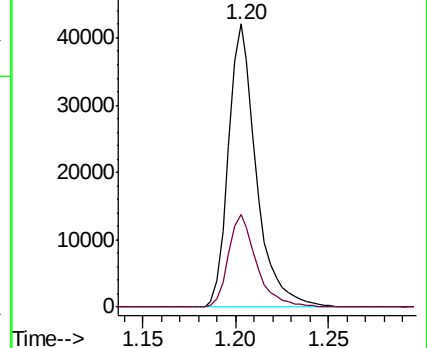
85 100

87 33.1 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU032423.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU032423.D (-27) (-)



#3

Chloromethane

Concen: 4.728 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032449.D

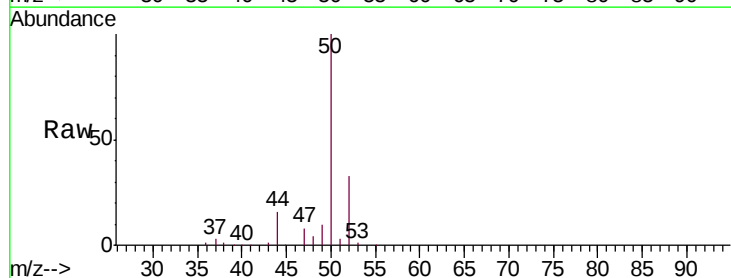
Acq: 05 Jun 2019 09:01

Tgt Ion: 50 Resp: 43501

Ion Ratio Lower Upper

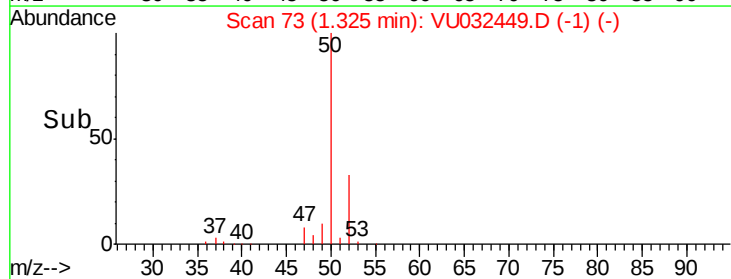
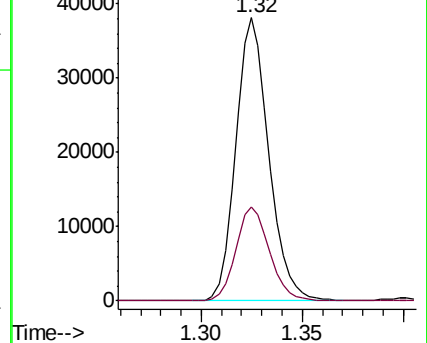
50 100

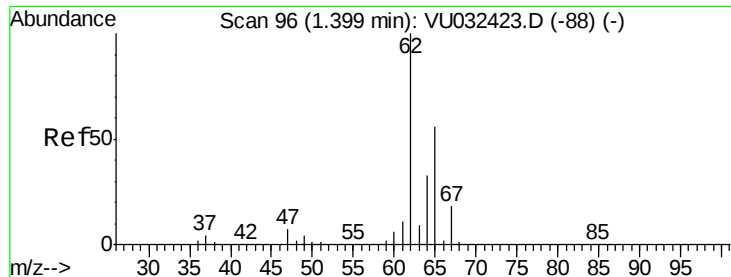
52 33.3 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VU032423.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU032423.D (-64) (-)





#5

Vinyl chloride

Concen: 4.994 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032449.D

Acq: 05 Jun 2019 09:01

Instrument :

MSVOA_U

ClientSampleId :

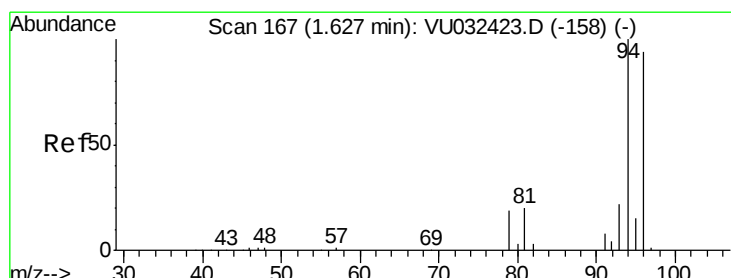
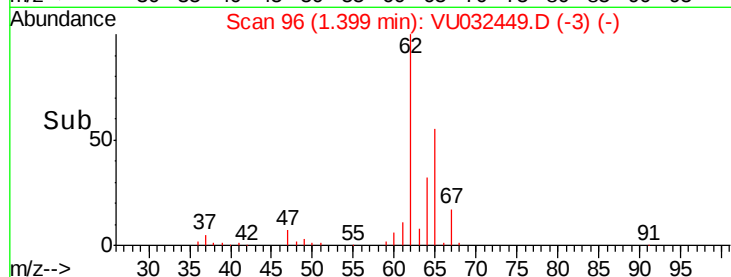
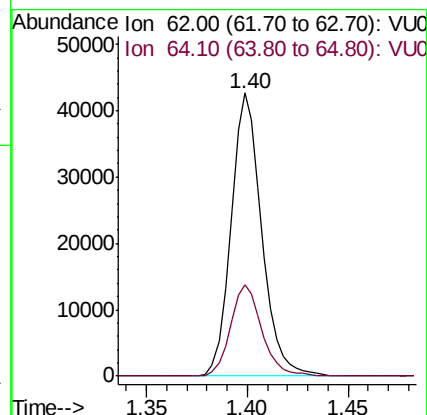
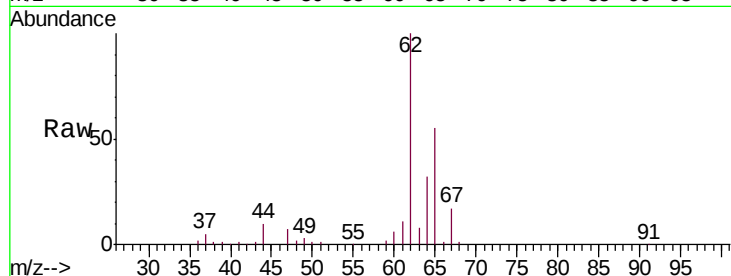
VSTD00521

Tgt Ion: 62 Resp: 45168

Ion Ratio Lower Upper

62 100

64 32.3 23.0 42.8



#6

Bromomethane

Concen: 4.791 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU032449.D

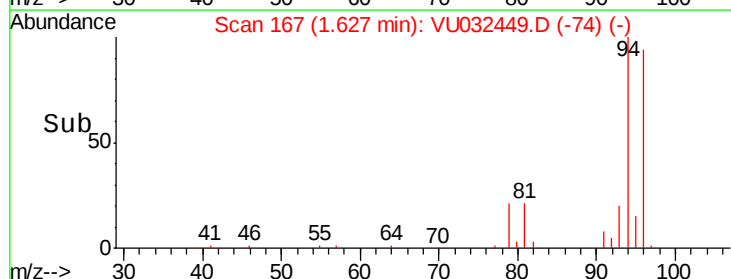
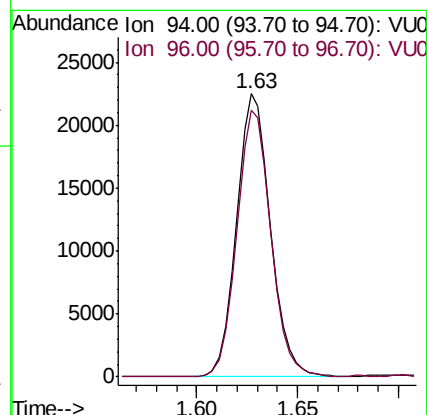
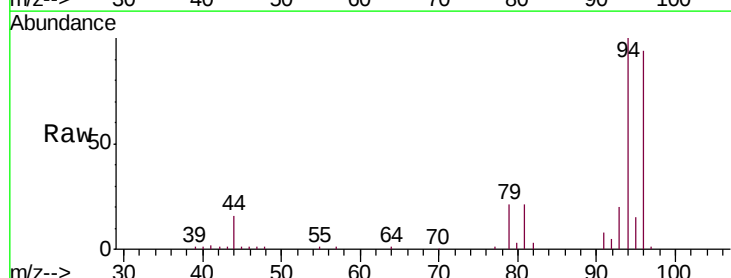
Acq: 05 Jun 2019 09:01

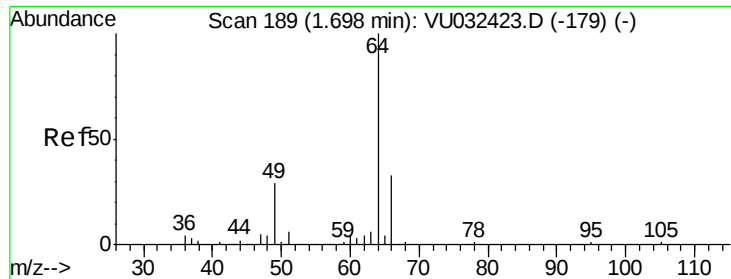
Tgt Ion: 94 Resp: 26430

Ion Ratio Lower Upper

94 100

96 94.5 65.5 121.6





#8

Chloroethane

Concen: 5.029 ug/L

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU032449.D

Acq: 05 Jun 2019 09:01

Instrument :

MSVOA_U

ClientSampleId :

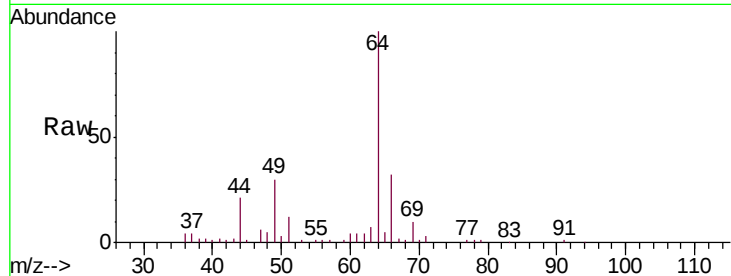
VSTD00521

Tgt Ion: 64 Resp: 29057

Ion Ratio Lower Upper

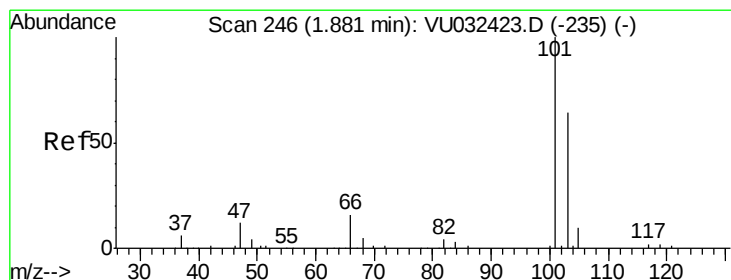
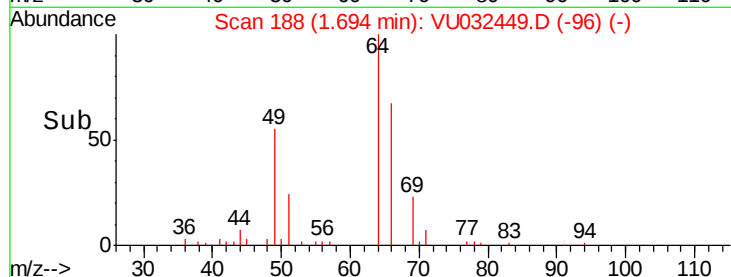
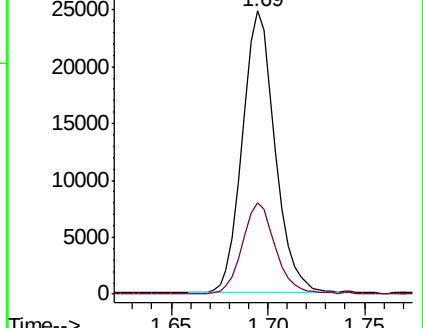
64 100

66 32.1 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VU032423.D (-179) (-)

Ion 66.05 (65.75 to 66.75): VU032423.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 4.817 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU032449.D

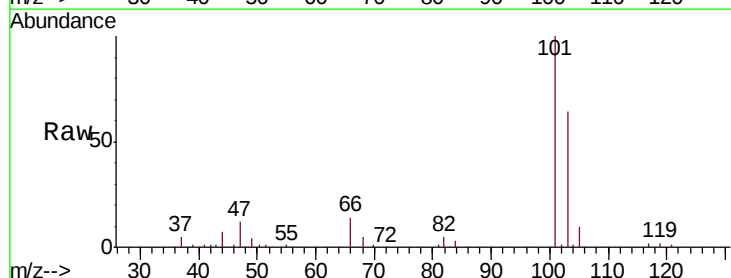
Acq: 05 Jun 2019 09:01

Tgt Ion: 101 Resp: 62349

Ion Ratio Lower Upper

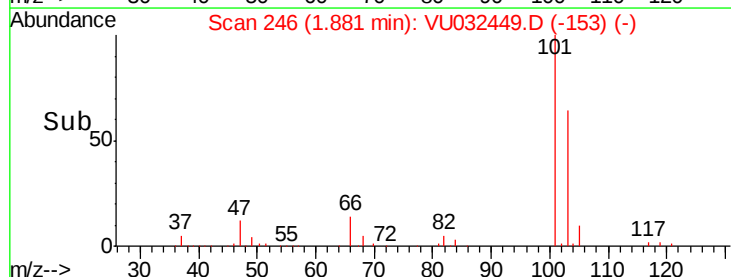
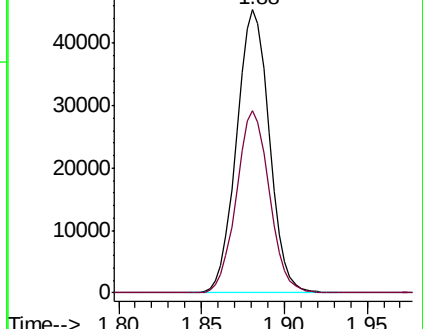
101 100

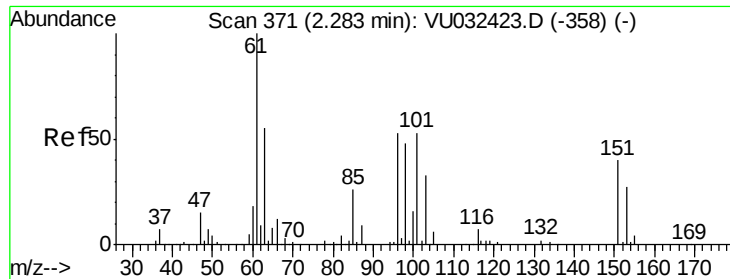
103 64.6 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VU032423.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU032423.D (-235) (-)





#10

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

Concen: 4.837 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU032449.D

Acq: 05 Jun 2019 09:01

Instrument :

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ClientSampleId :

VSTD00521

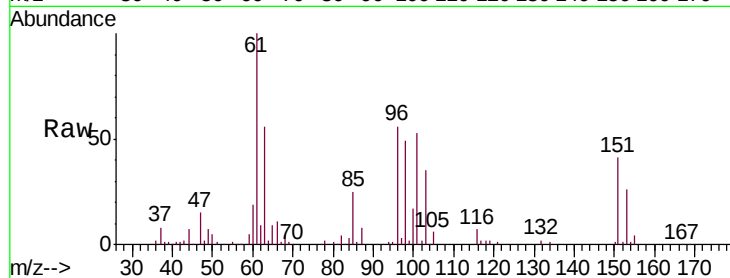
Tgt Ion:101 Resp: 33285

Ion Ratio Lower Upper

101 100

85 47.4 38.9 58.3

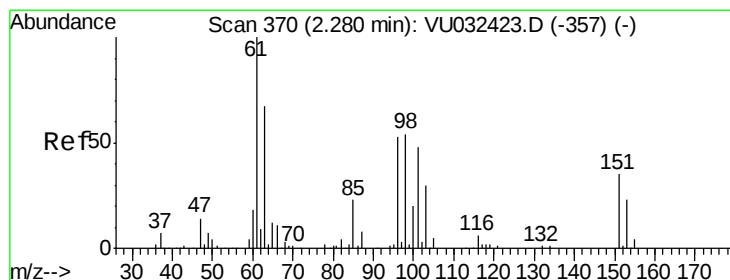
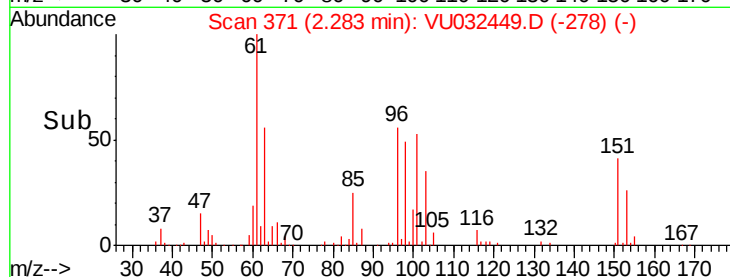
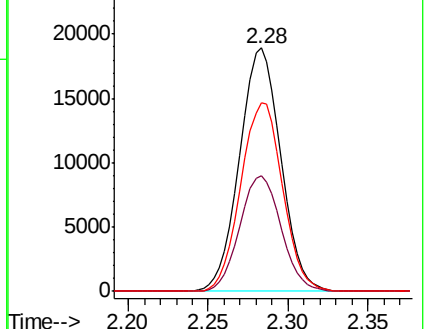
151 78.8 61.0 91.4



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: 4.810 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032449.D

Acq: 05 Jun 2019 09:01

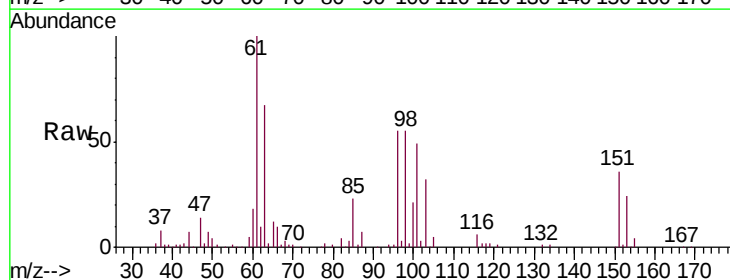
Tgt Ion: 96 Resp: 31597

Ion Ratio Lower Upper

96 100

61 182.6 131.8 244.8

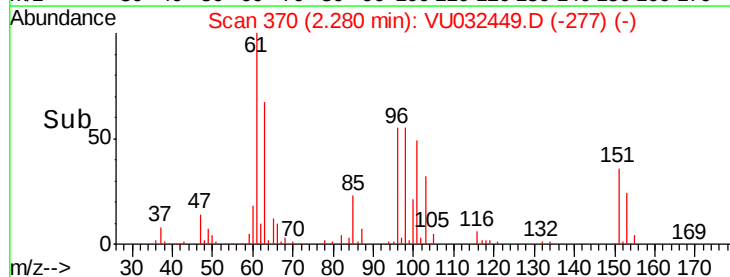
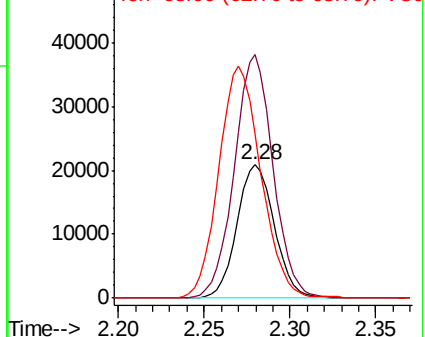
63 123.3 90.1 167.3

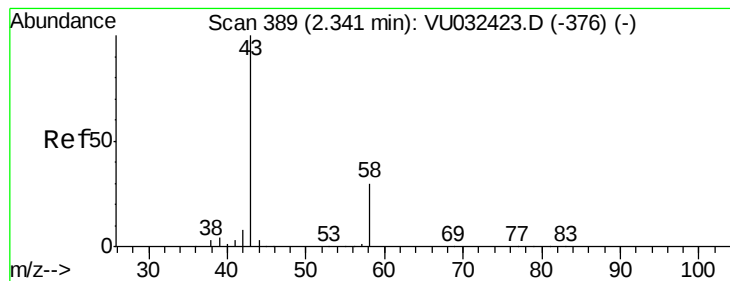


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.338 ug/L

RT: 2.33 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU032449.D

Acq: 05 Jun 2019 09:01

Instrument :

MSVOA_U

ClientSampleId :

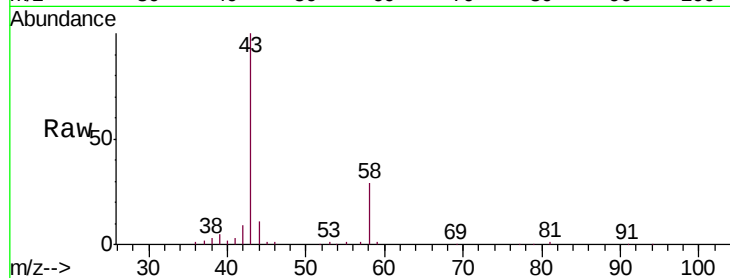
VSTD00521

Tgt Ion: 43 Resp: 70386

Ion Ratio Lower Upper

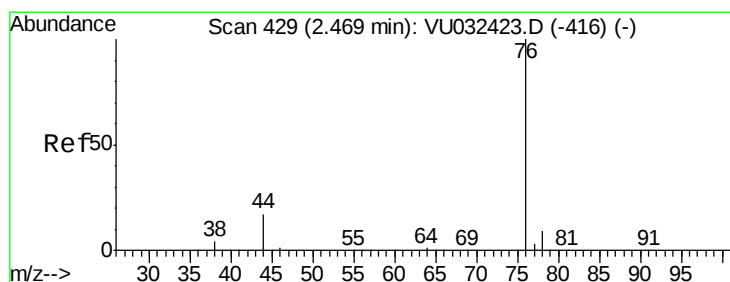
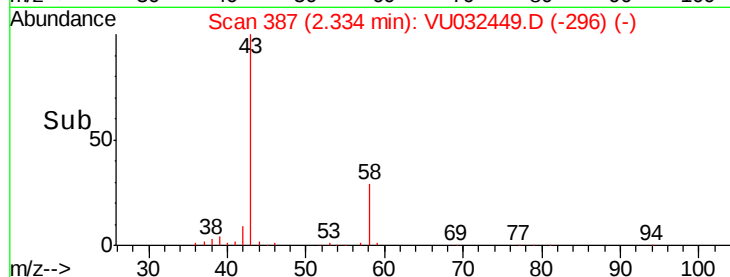
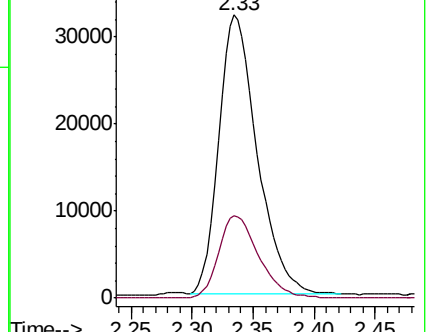
43 100

58 31.0 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VU032423.D (-376) (-)

Ion 58.05 (57.75 to 58.75): VU032423.D (-376) (-)



#14

Carbon disulfide

Concen: 4.792 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU032449.D

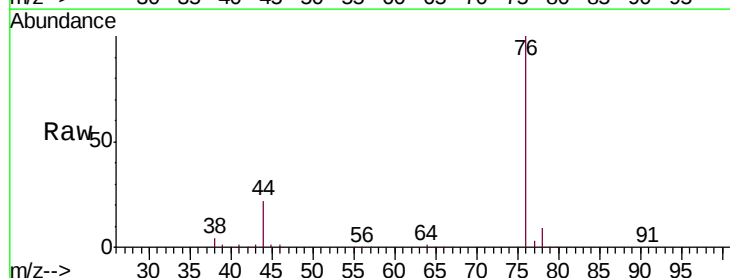
Acq: 05 Jun 2019 09:01

Tgt Ion: 76 Resp: 100823

Ion Ratio Lower Upper

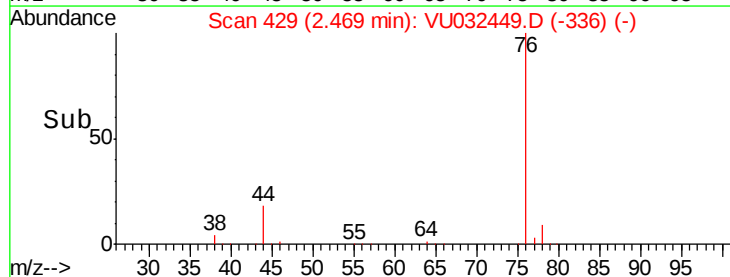
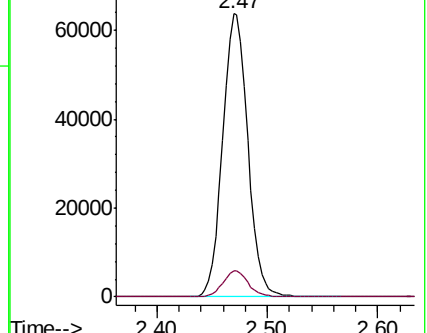
76 100

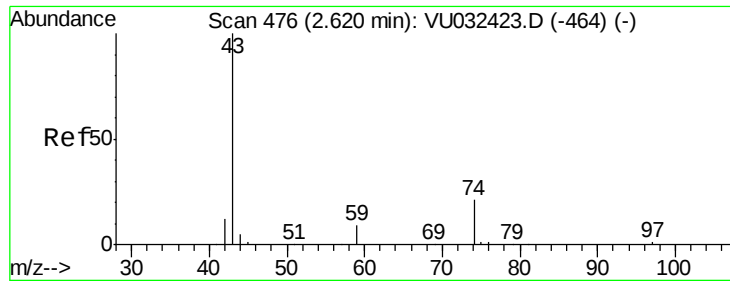
78 9.2 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU032423.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU032423.D (-416) (-)

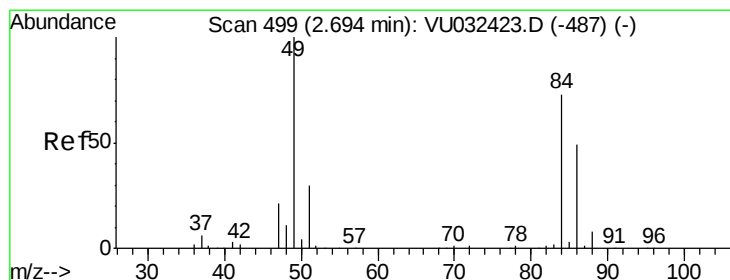
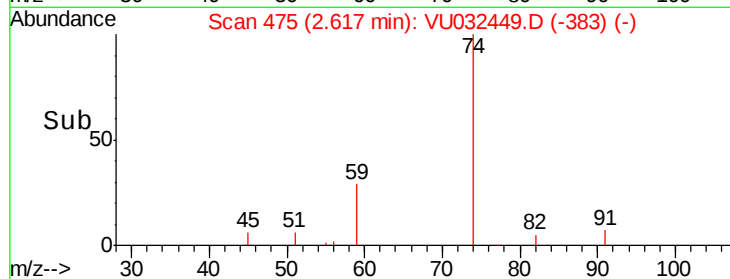
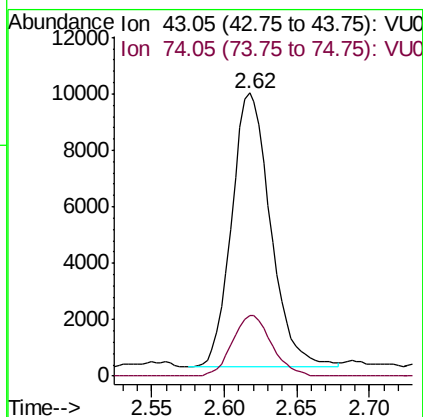
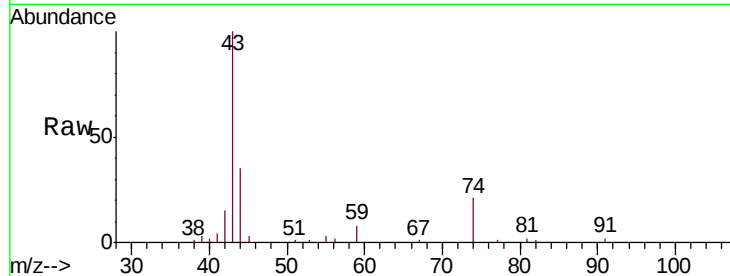




#15
Methyl Acetate
Concen: 4.517 ug/L
RT: 2.62 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU032449.D
Acq: 05 Jun 2019 09:01

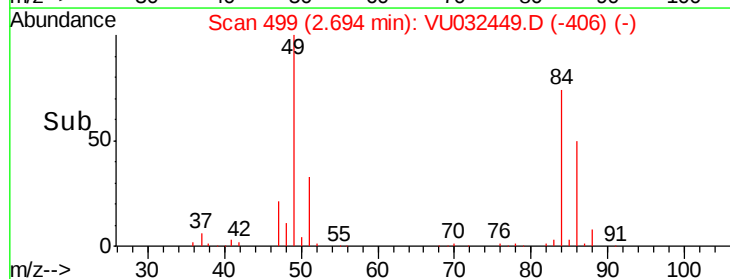
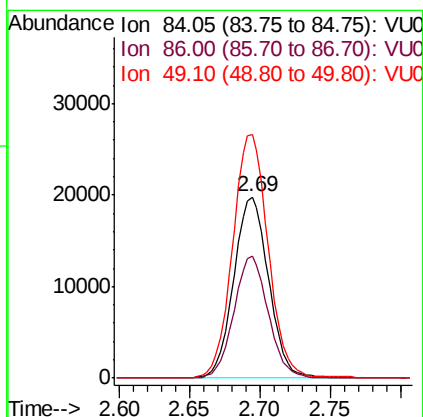
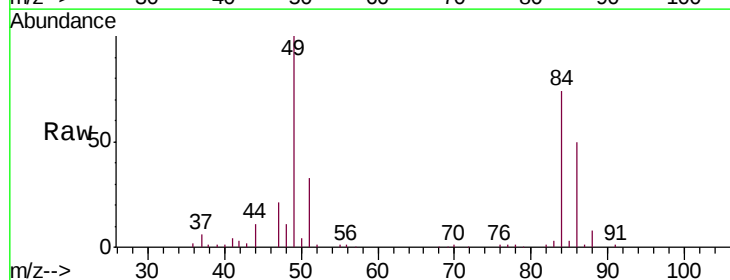
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

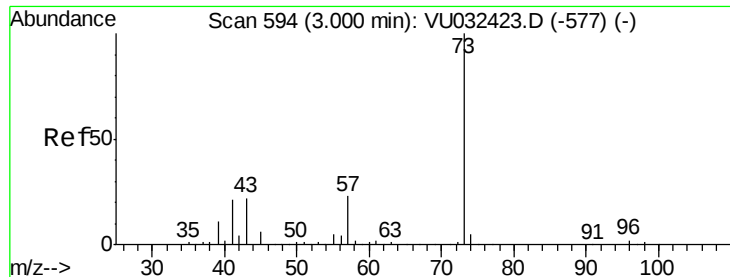
Tgt Ion: 43 Resp: 18049
Ion Ratio Lower Upper
43 100
74 22.5 17.8 26.8



#16
Methylene chloride
Concen: 4.722 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032449.D
Acq: 05 Jun 2019 09:01

Tgt Ion: 84 Resp: 34401
Ion Ratio Lower Upper
84 100
86 67.0 47.2 87.6
49 134.4 95.9 178.1

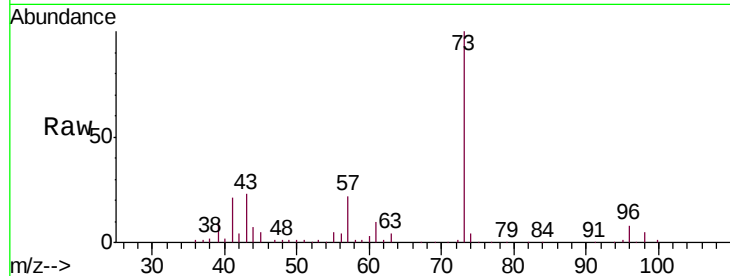




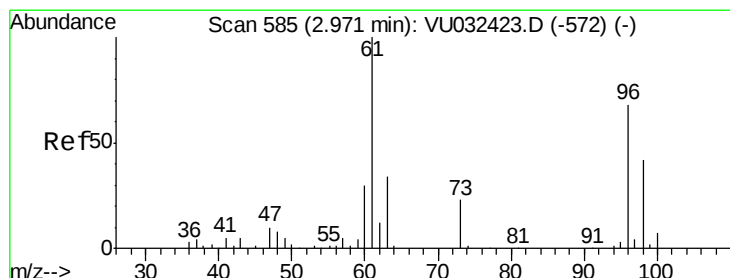
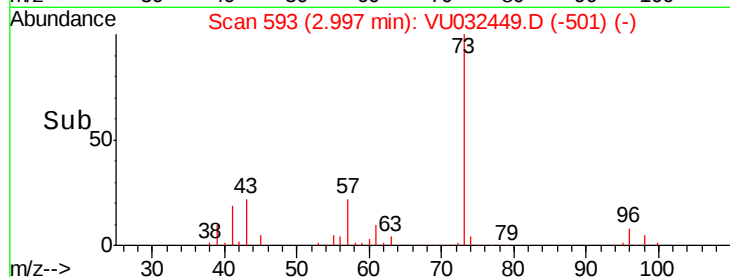
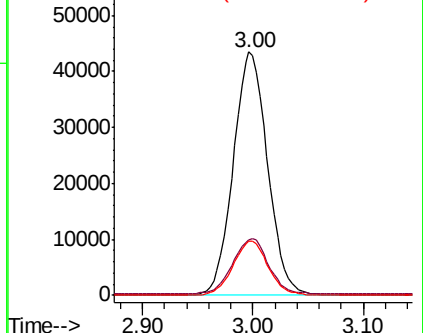
#17
Methyl tert-butyl Ether
Concen: 4.880 ug/L
RT: 3.00 min Scan# 593
Delta R.T. -0.00 min
Lab File: VU032449.D
Acq: 05 Jun 2019 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Tgt Ion: 73 Resp: 93765
Ion Ratio Lower Upper
73 100
43 23.2 18.6 27.8
57 22.0 18.3 27.5

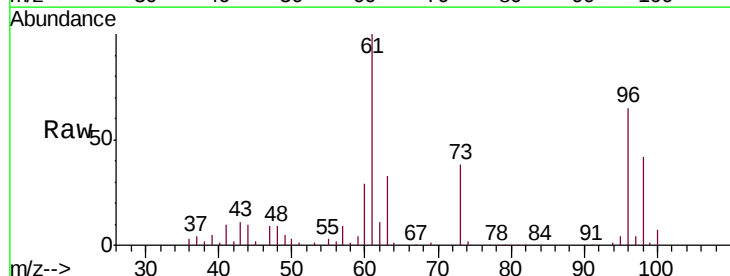


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

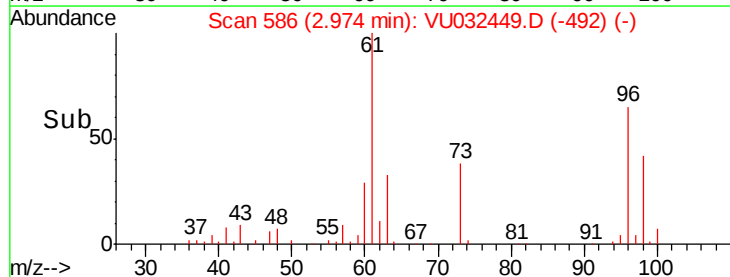
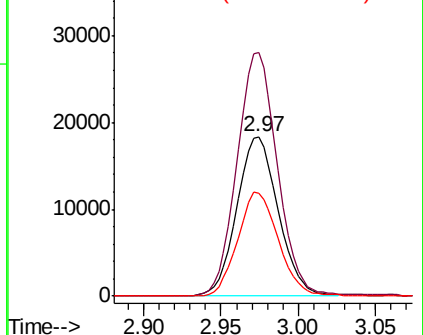


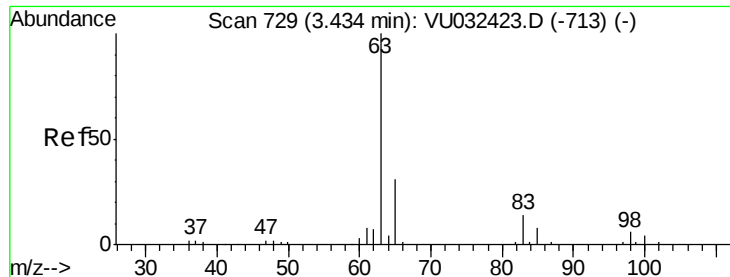
#18
trans-1,2-Dichloroethene
Concen: 4.809 ug/L
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU032449.D
Acq: 05 Jun 2019 09:01

Tgt Ion: 96 Resp: 34088
Ion Ratio Lower Upper
96 100
61 153.0 103.1 191.5
98 64.4 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

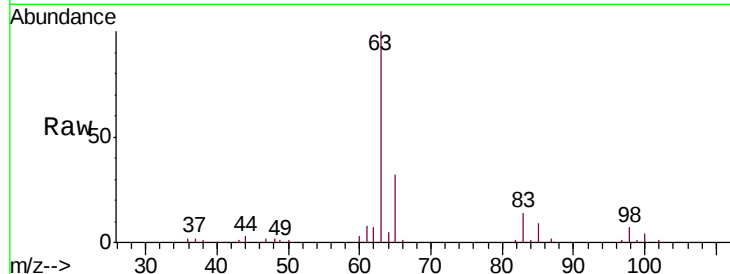




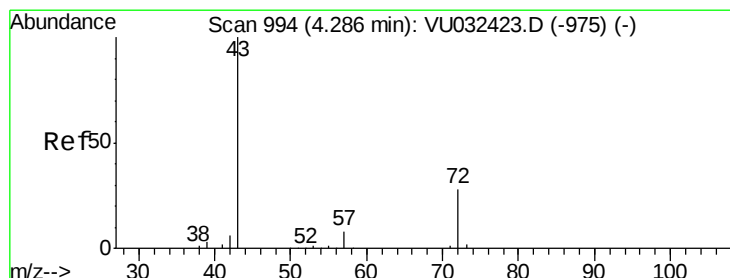
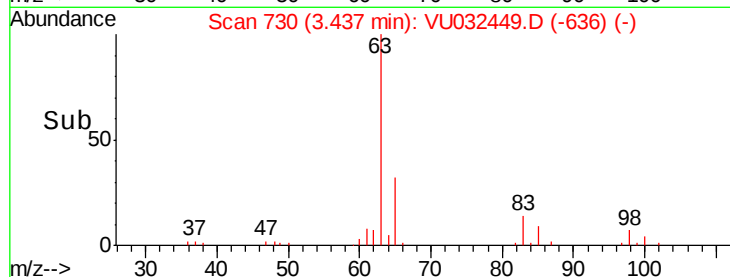
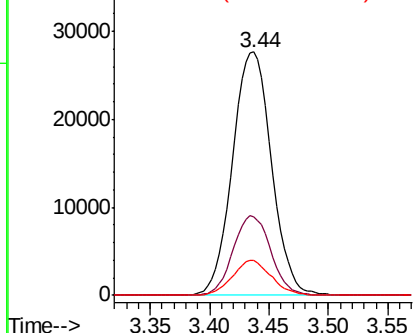
#19
 1,1-Dichloroethane
 Concen: 4.948 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU032449.D
 Acq: 05 Jun 2019 09:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tgt Ion: 63 Resp: 62779
 Ion Ratio Lower Upper
 63 100
 65 32.2 21.3 39.6
 83 14.4 10.1 18.7

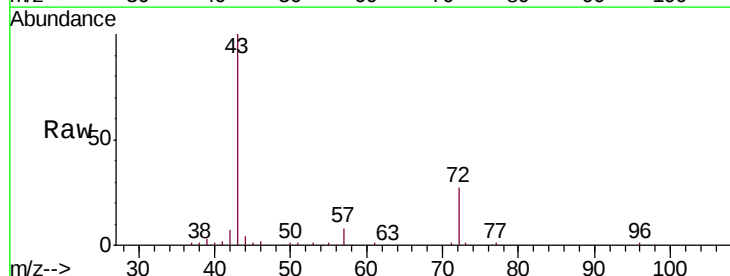


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

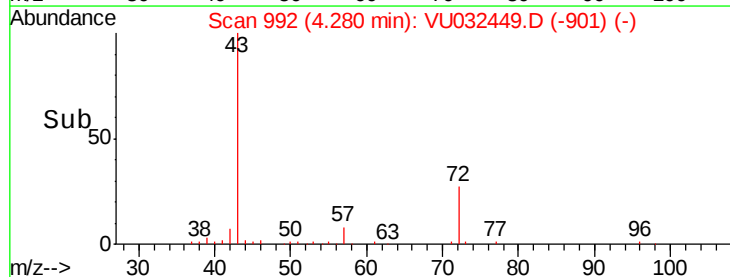
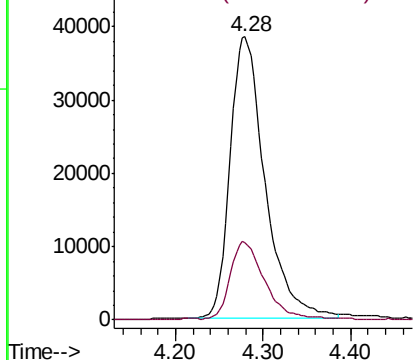


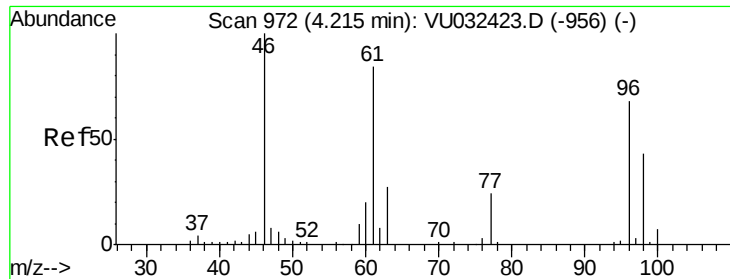
#21
 2-Butanone
 Concen: 50.315 ug/L
 RT: 4.28 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VU032449.D
 Acq: 05 Jun 2019 09:01

Tgt Ion: 43 Resp: 106559
 Ion Ratio Lower Upper
 43 100
 72 26.5 13.1 39.3



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



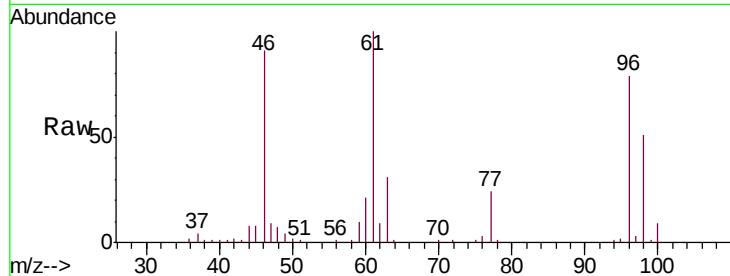


#22

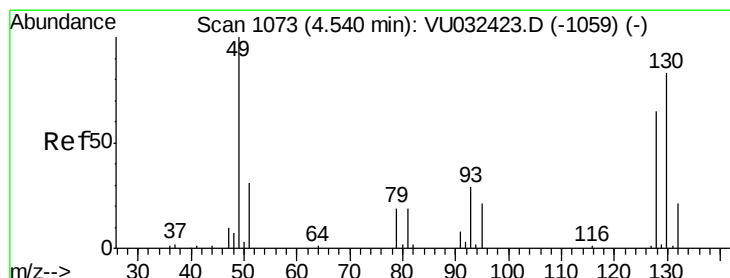
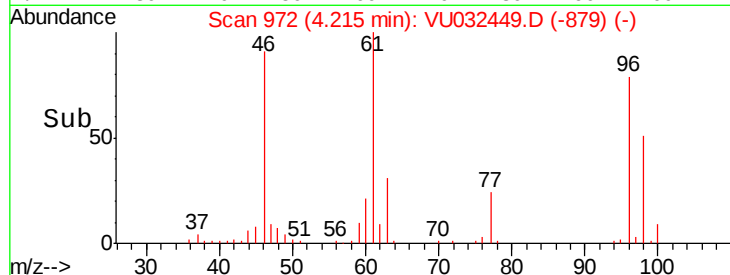
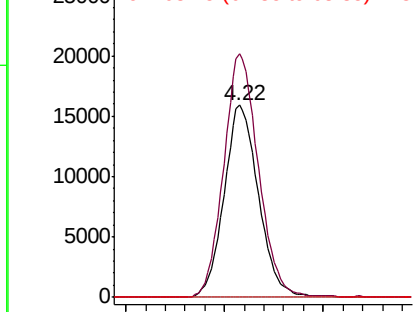
cis-1,2-Dichloroethene
 Concen: 4.839 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VU032449.D
 Acq: 05 Jun 2019 09:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tgt Ion: 96 Resp: 38816
 Ion Ratio Lower Upper
 96 100
 61 126.6 86.6 160.8
 68 0.0 0.0 0.0



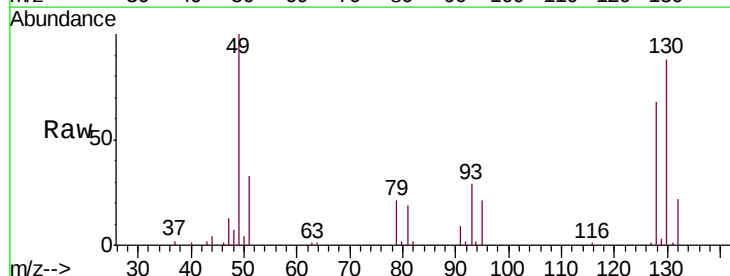
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



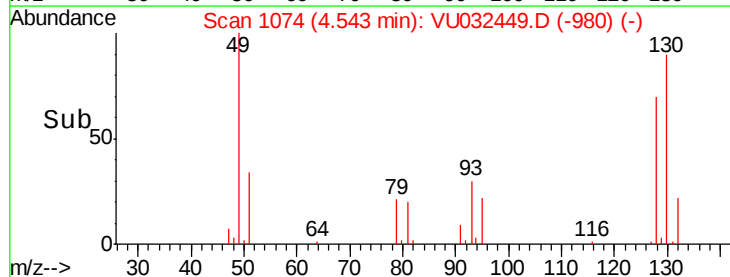
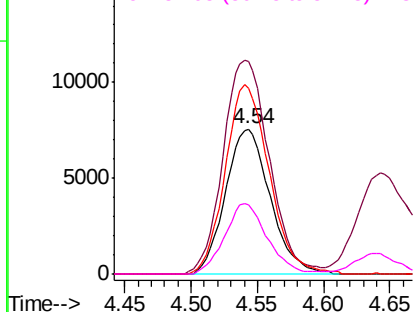
#23

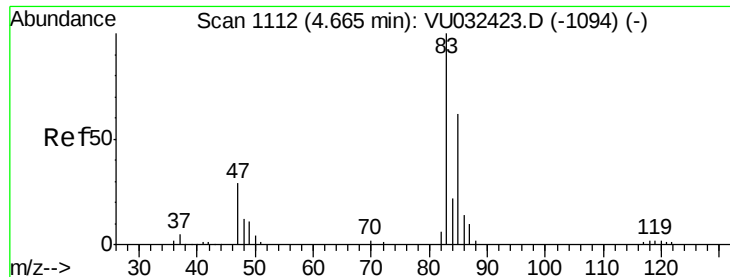
Bromochloromethane
 Concen: 5.139 ug/L
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU032449.D
 Acq: 05 Jun 2019 09:01

Tgt Ion: 128 Resp: 17741
 Ion Ratio Lower Upper
 128 100
 49 146.3 107.8 200.2
 130 128.2 89.3 165.9
 51 48.0 38.2 57.4



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

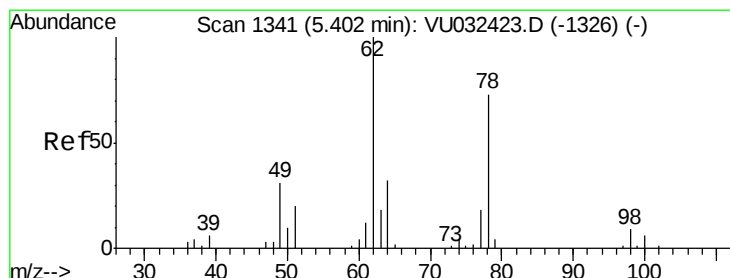
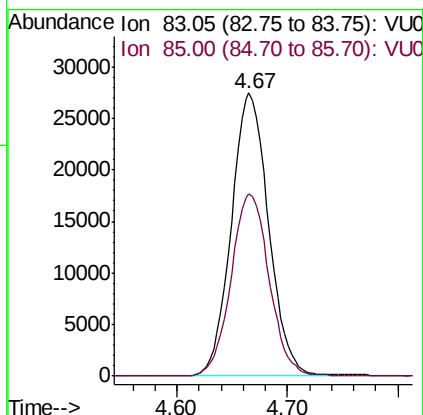
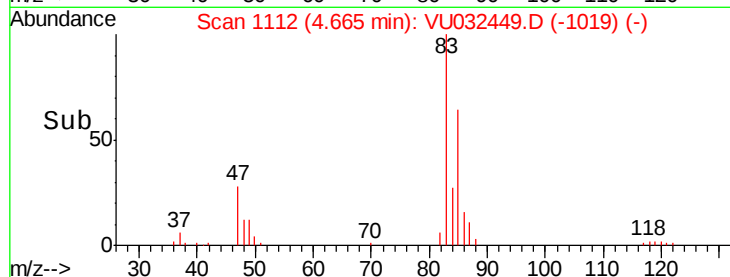
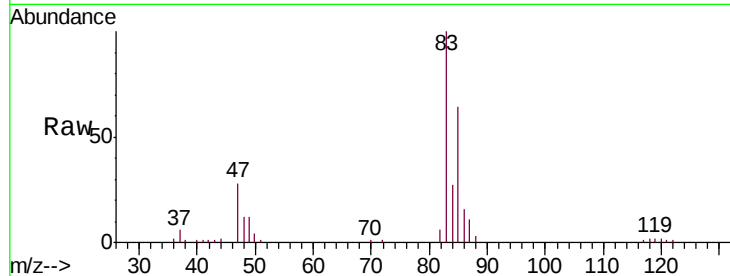




#25
Chloroform
Concen: 4.960 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU032449.D
Acq: 05 Jun 2019 09:01

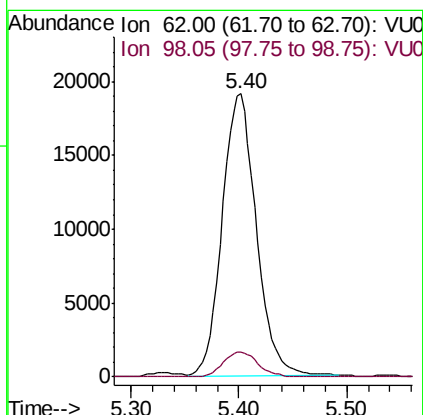
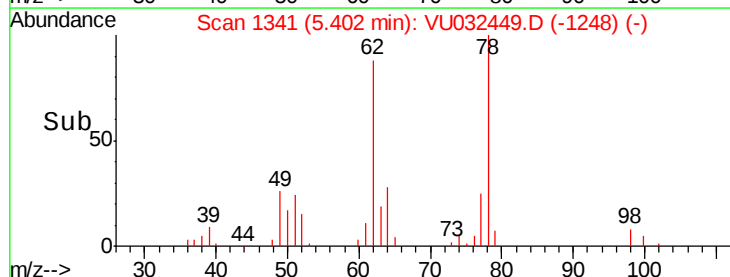
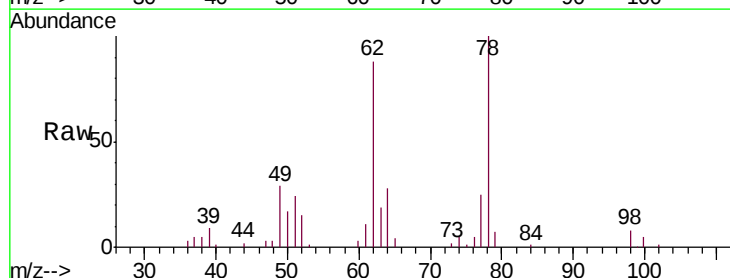
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

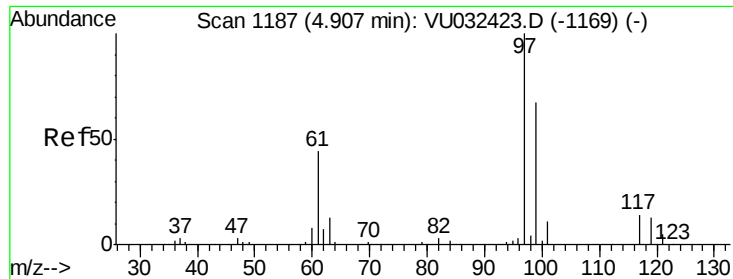
Tgt Ion: 83 Resp: 64282
Ion Ratio Lower Upper
83 100
85 64.5 43.8 81.3



#27
1,2-Dichloroethane
Concen: 4.925 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU032449.D
Acq: 05 Jun 2019 09:01

Tgt Ion: 62 Resp: 41951
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.6

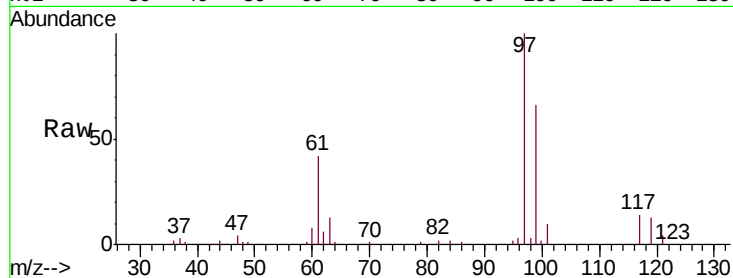




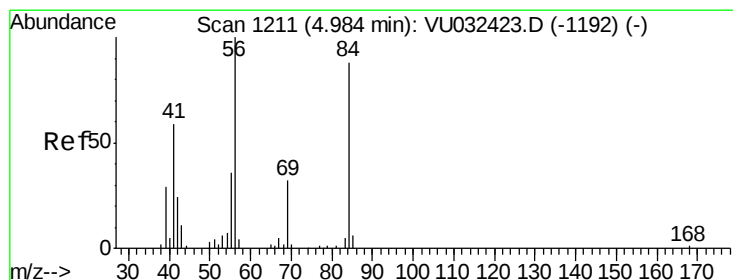
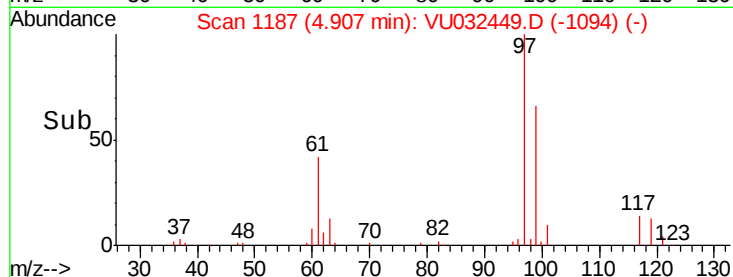
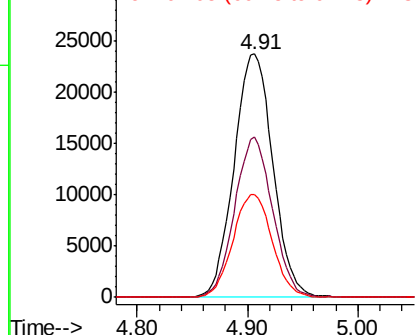
#29
 1,1,1-Trichloroethane
 Concen: 4.922 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU032449.D
 Acq: 05 Jun 2019 09:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tgt Ion: 97 Resp: 58184
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.8 77.6
 61 42.6 34.7 52.1

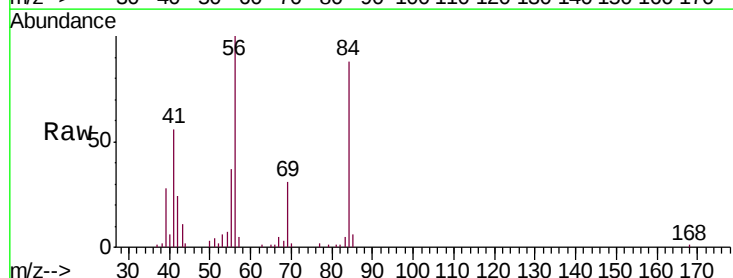


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

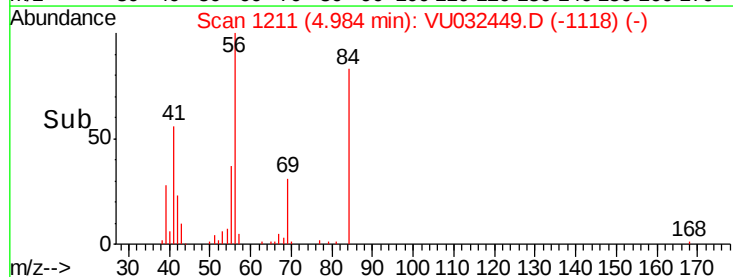
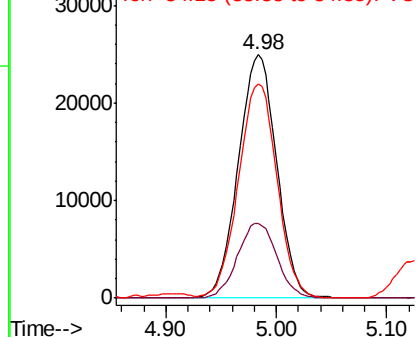


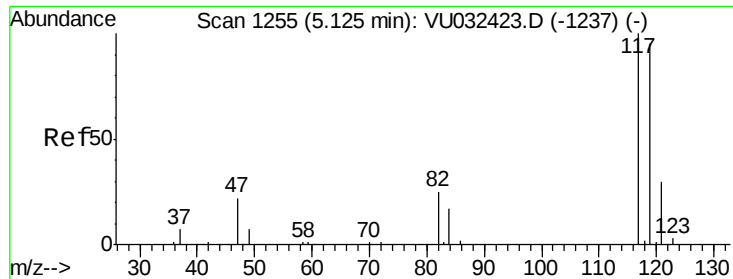
#30
 Cyclohexane
 Concen: 4.808 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VU032449.D
 Acq: 05 Jun 2019 09:01

Tgt Ion: 56 Resp: 60062
 Ion Ratio Lower Upper
 56 100
 69 31.4 24.9 37.3
 84 88.7 70.2 105.2



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0

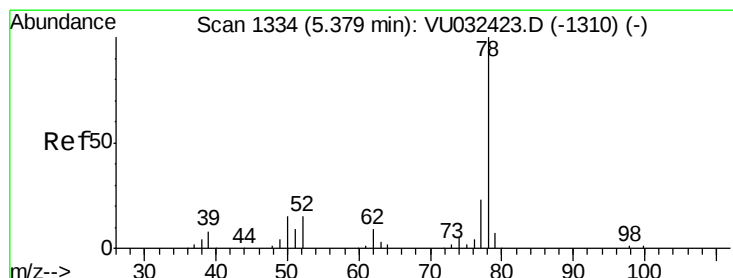
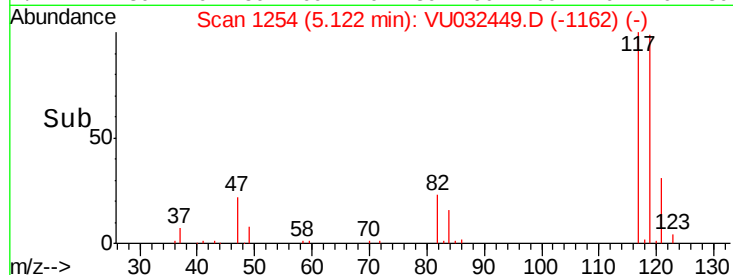
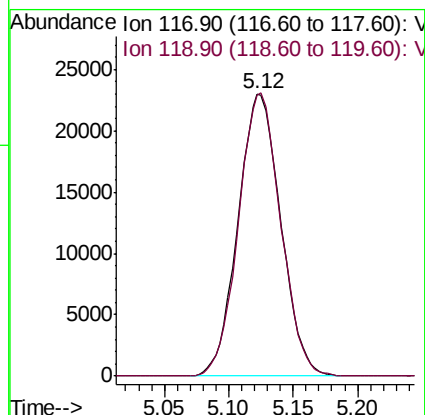
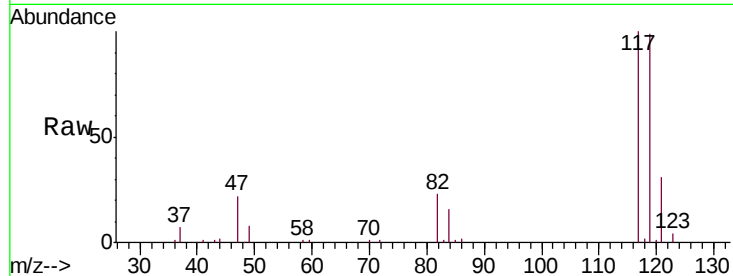




#31
Carbon tetrachloride
Concen: 4.927 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VU032449.D
Acq: 05 Jun 2019 09:01

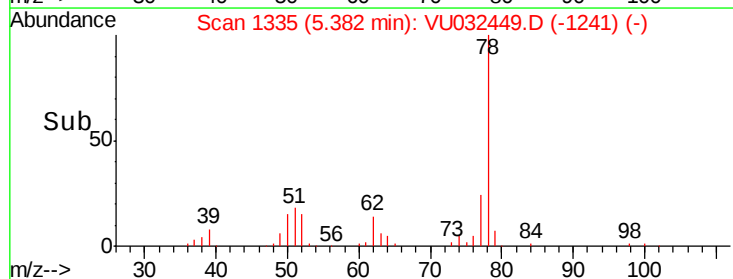
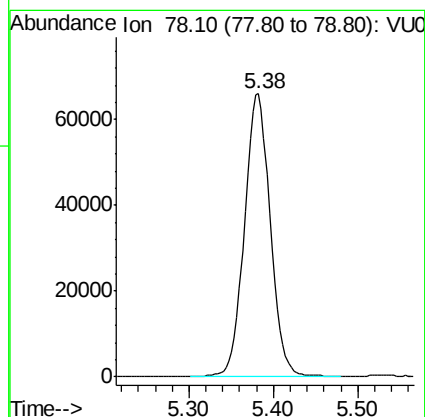
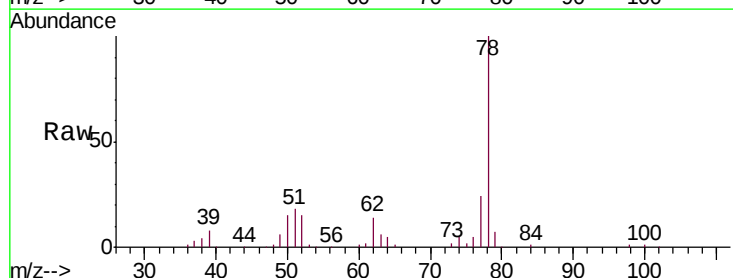
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

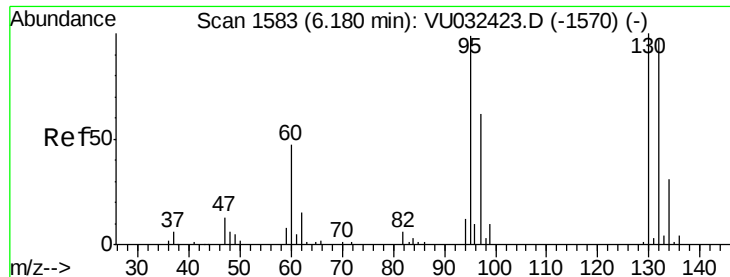
Tgt Ion:117 Resp: 52951
Ion Ratio Lower Upper
117 100
119 99.0 77.8 116.6



#33
Benzene
Concen: 4.943 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU032449.D
Acq: 05 Jun 2019 09:01

Tgt Ion: 78 Resp: 141370

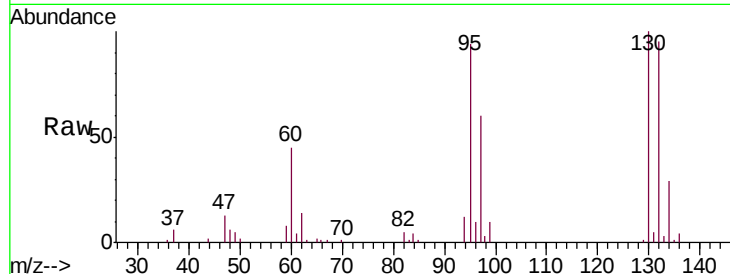




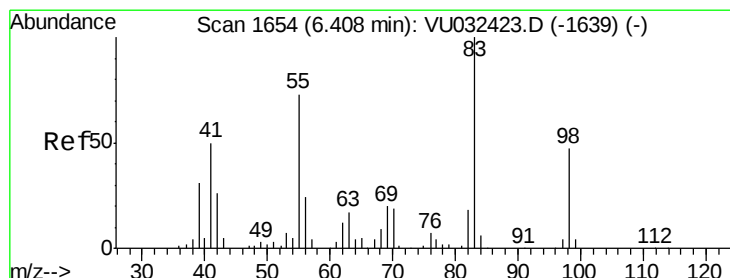
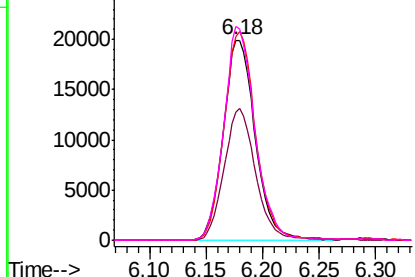
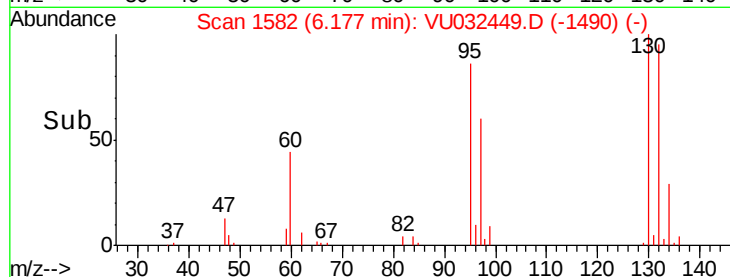
#34
 Trichloroethene
 Concen: 4.763 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VU032449.D
 Acq: 05 Jun 2019 09:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tgt Ion: 95 Resp: 39182
 Ion Ratio Lower Upper
 95 100
 97 64.1 44.1 81.9
 132 101.6 68.8 127.8
 130 106.6 71.0 131.8

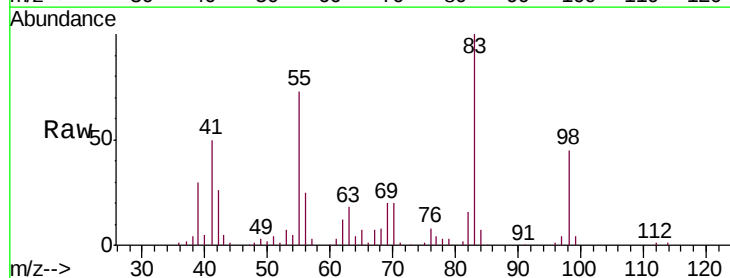


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

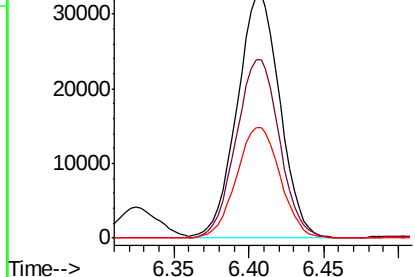
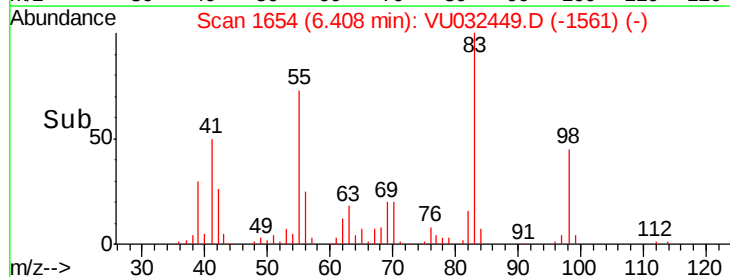


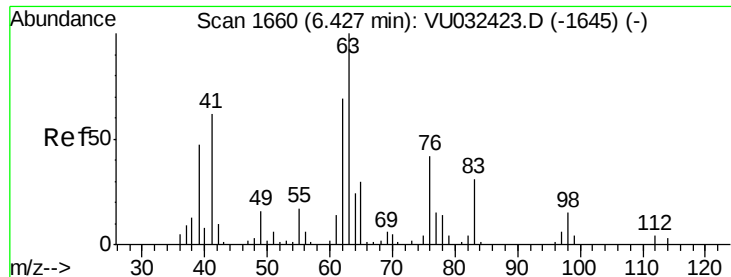
#35
 Methylcyclohexane
 Concen: 4.939 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: VU032449.D
 Acq: 05 Jun 2019 09:01

Tgt Ion: 83 Resp: 65343
 Ion Ratio Lower Upper
 83 100
 55 74.2 60.0 90.0
 98 46.4 37.8 56.8



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

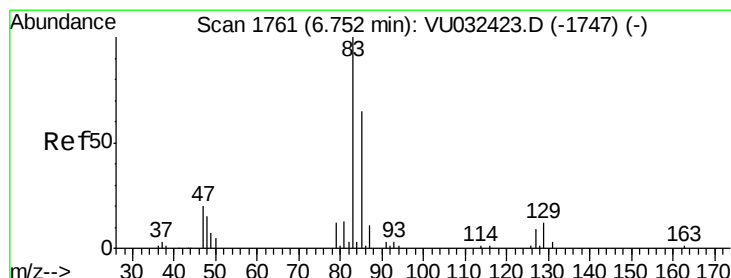
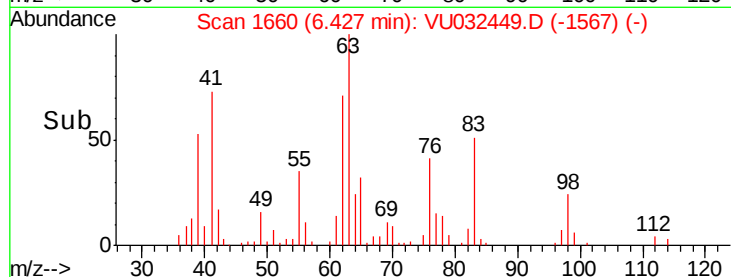
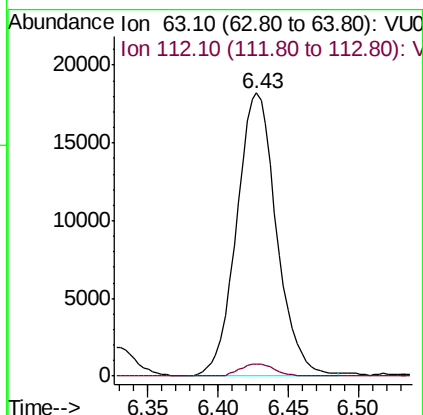
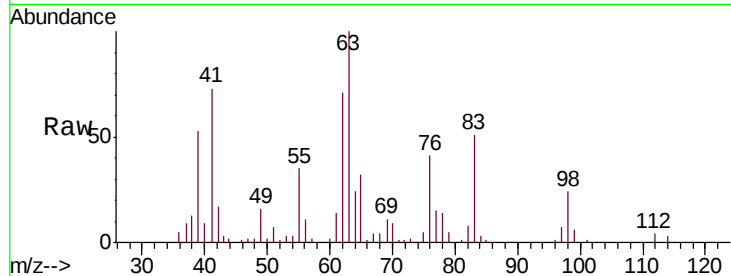




#37
 1,2-Dichloropropane
 Concen: 4.880 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU032449.D
 Acq: 05 Jun 2019 09:01

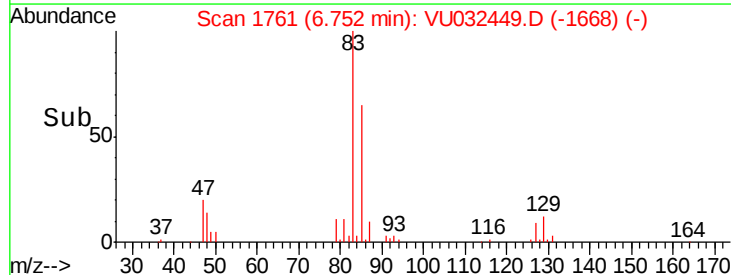
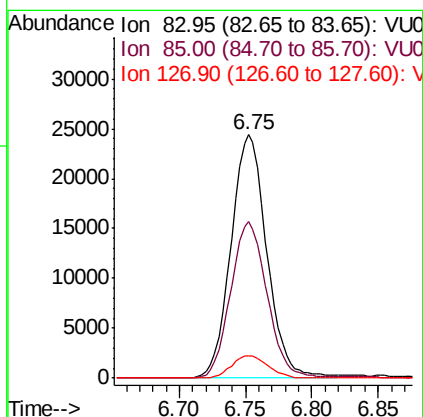
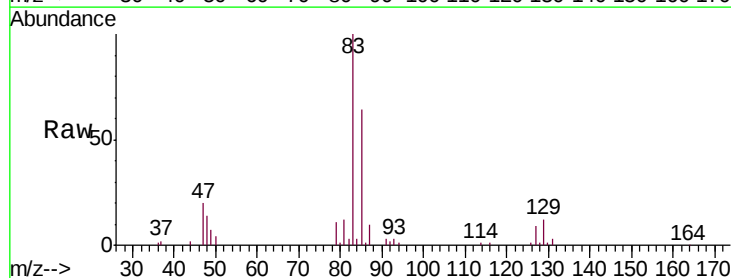
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

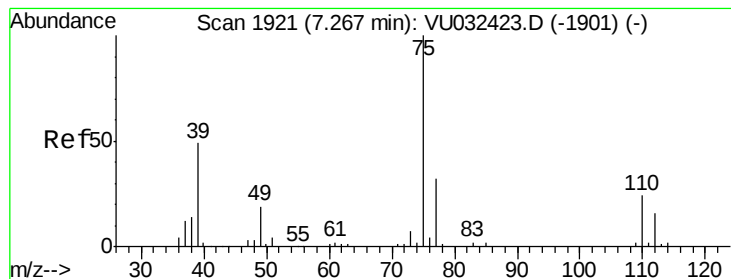
Tgt Ion: 63 Resp: 36110
 Ion Ratio Lower Upper
 63 100
 112 3.7 2.9 4.3



#38
 Bromodichloromethane
 Concen: 4.816 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU032449.D
 Acq: 05 Jun 2019 09:01

Tgt Ion: 83 Resp: 45805
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.2 84.0
 127 9.3 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 5.062 ug/L

RT: 7.26 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VU032449.D

Acq: 05 Jun 2019 09:01

Instrument :

MSVOA_U

ClientSampleId :

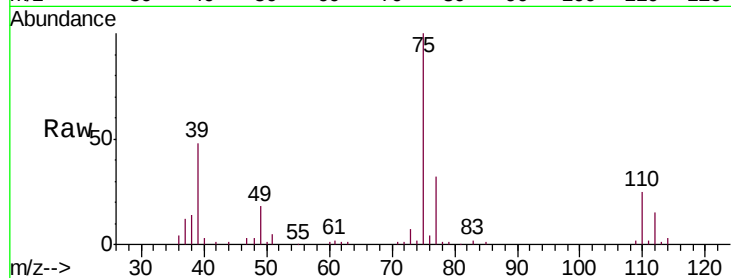
VSTD00521

Tgt Ion: 75 Resp: 57502

Ion Ratio Lower Upper

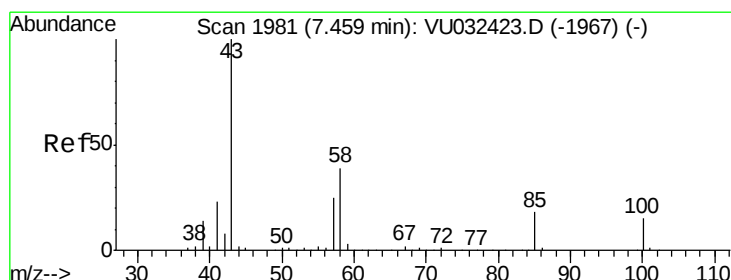
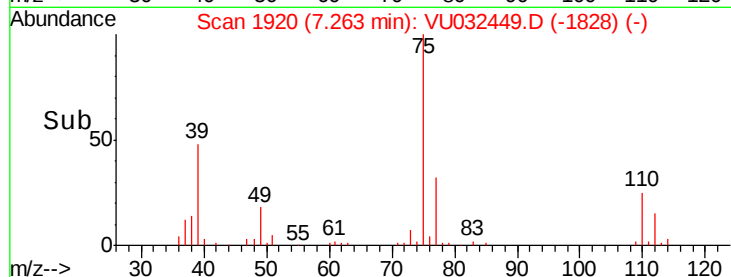
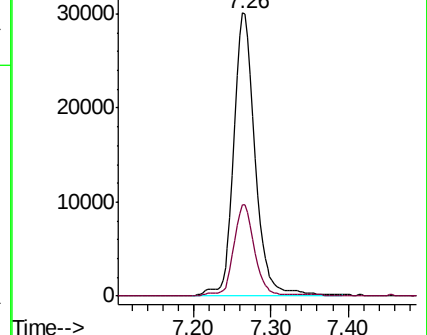
75 100

77 32.1 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VU032423.D (-1901) (-)

Ion 77.05 (76.75 to 77.75): VU032423.D (-1901) (-)



#40

4-Methyl-2-pentanone

Concen: 49.833 ug/L

RT: 7.46 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VU032449.D

Acq: 05 Jun 2019 09:01

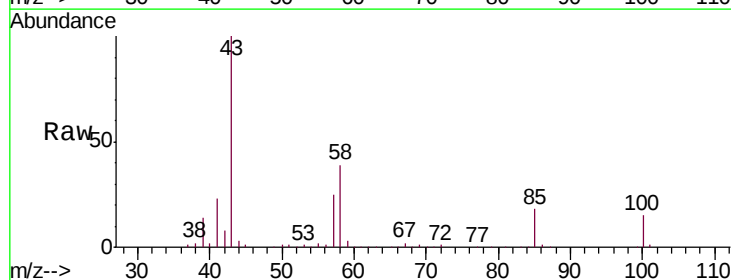
Tgt Ion: 43 Resp: 262416

Ion Ratio Lower Upper

43 100

58 38.5 30.9 46.3

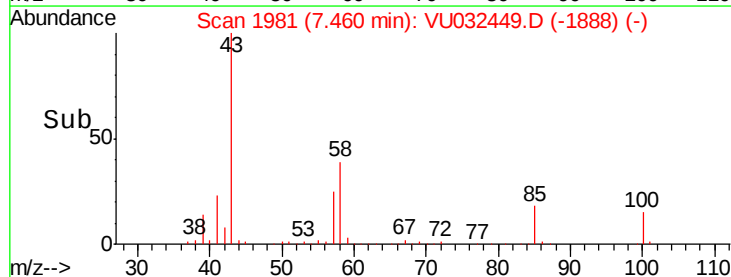
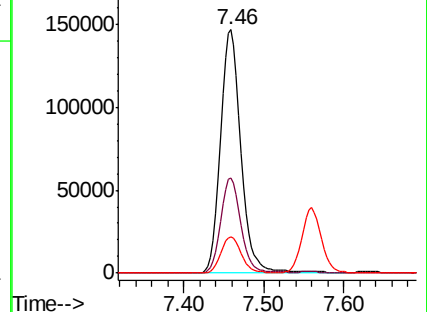
100 14.9 11.9 17.9

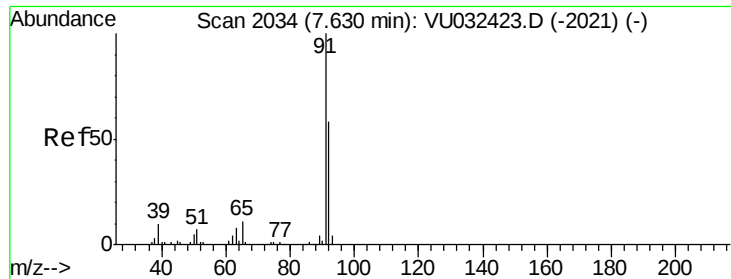


Abundance Ion 43.05 (42.75 to 43.75): VU032423.D (-1967) (-)

Ion 58.05 (57.75 to 58.75): VU032423.D (-1967) (-)

Ion 100.15 (99.85 to 100.85): VU032423.D (-1967) (-)





#42

Toluene

Concen: 4.850 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032449.D

Acq: 05 Jun 2019 09:01

Instrument :

MSVOA_U

ClientSampleId :

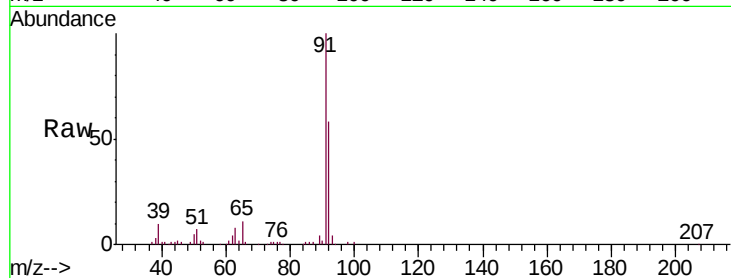
VSTD00521

Tgt Ion: 91 Resp: 154593

Ion Ratio Lower Upper

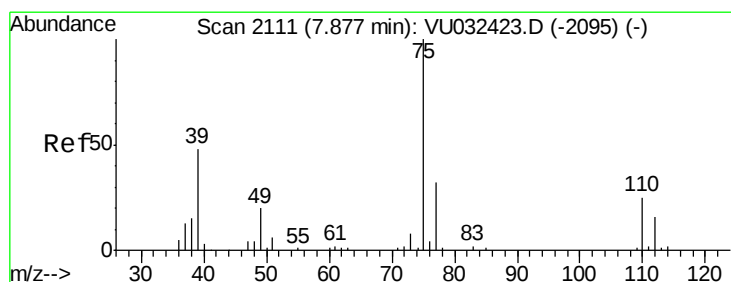
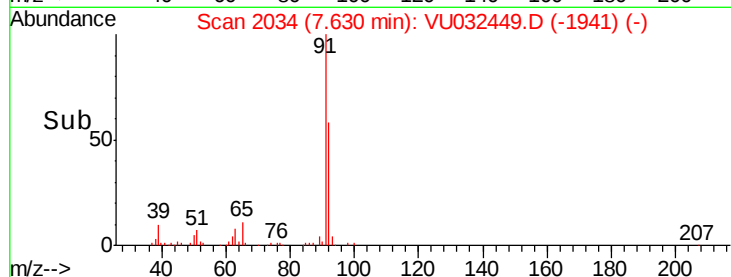
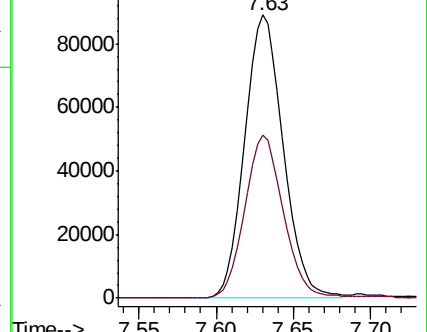
91 100

92 57.6 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU032423.D (-2021) (-)

Ion 92.15 (91.85 to 92.85): VU032423.D (-2021) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.918 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU032449.D

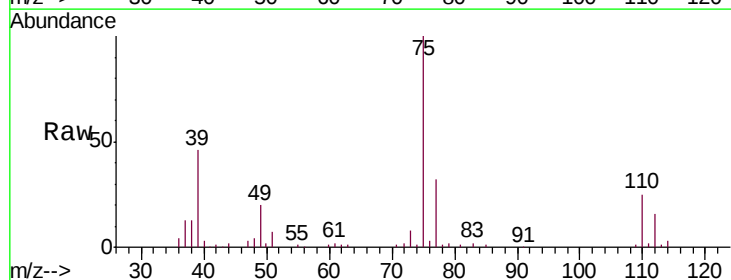
Acq: 05 Jun 2019 09:01

Tgt Ion: 75 Resp: 44607

Ion Ratio Lower Upper

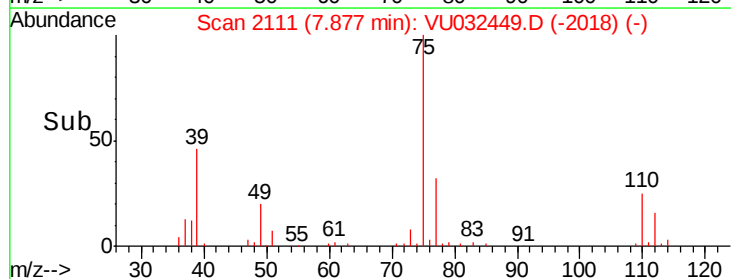
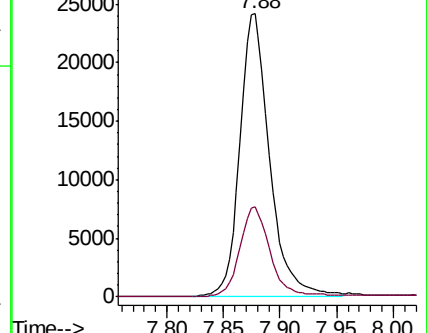
75 100

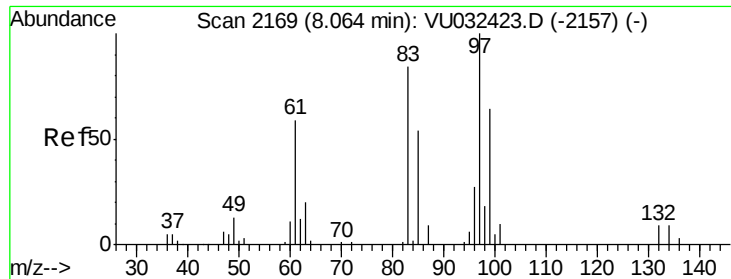
77 31.8 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU032423.D (-2095) (-)

Ion 77.05 (76.75 to 77.75): VU032423.D (-2095) (-)

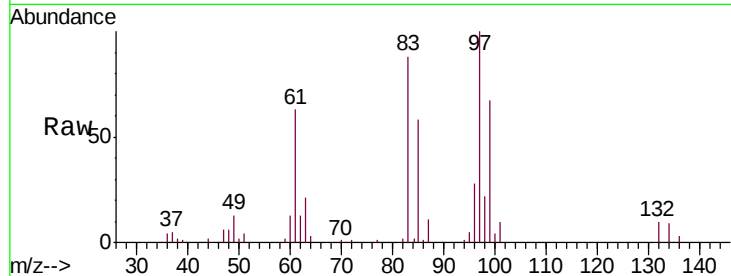




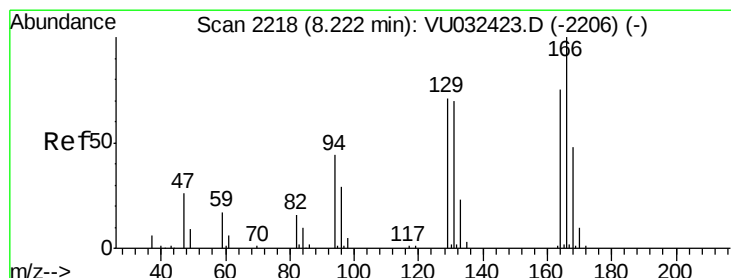
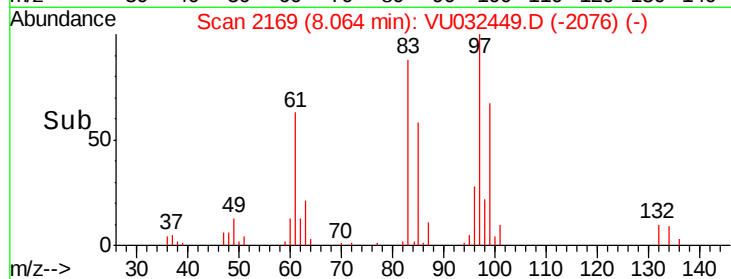
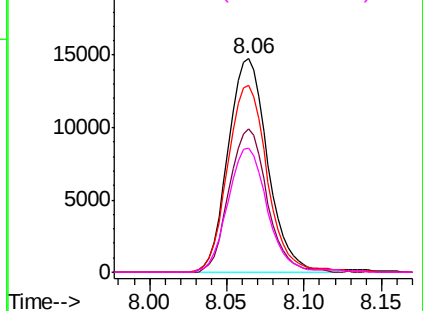
#45
 1,1,2-Trichloroethane
 Concen: 4.892 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU032449.D
 Acq: 05 Jun 2019 09:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tgt Ion:	97	Resp:	26337
Ion	Ratio	Lower	Upper
97	100		
99	67.1	44.9	83.3
83	87.6	58.7	108.9
85	58.2	37.9	70.5

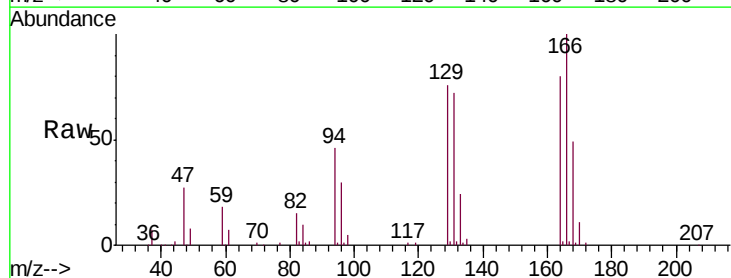


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

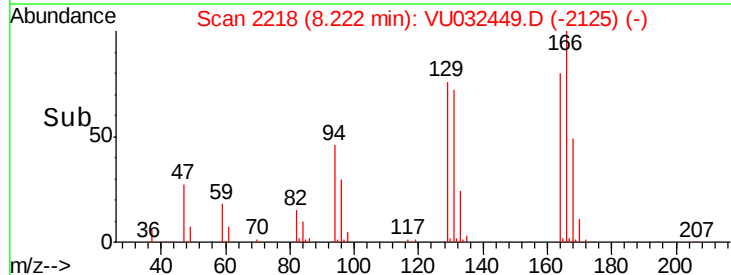
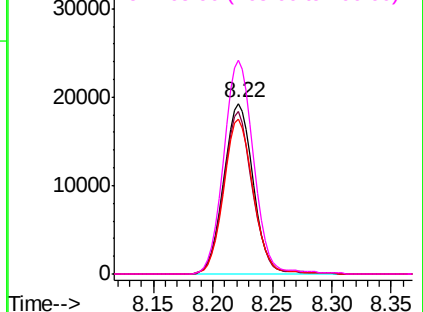


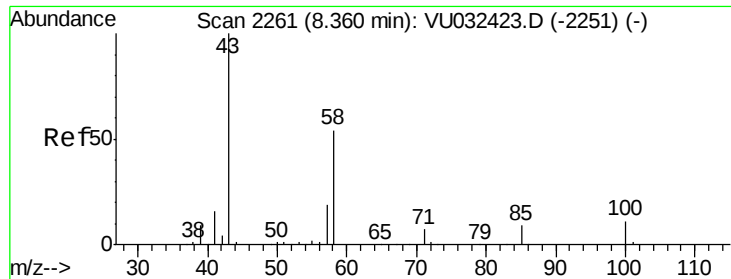
#47
 Tetrachloroethene
 Concen: 5.134 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU032449.D
 Acq: 05 Jun 2019 09:01

Tgt Ion:	164	Resp:	33236
Ion	Ratio	Lower	Upper
164	100		
129	95.1	66.1	122.7
131	90.5	65.6	121.8
166	125.2	93.2	173.2



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

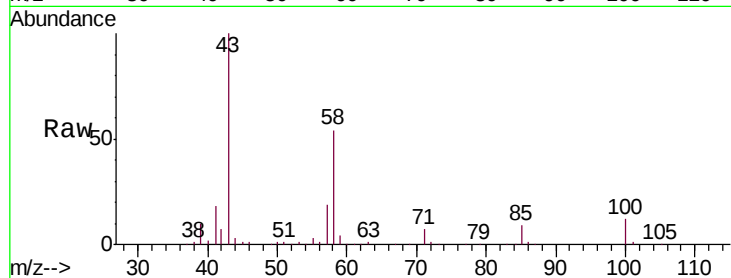




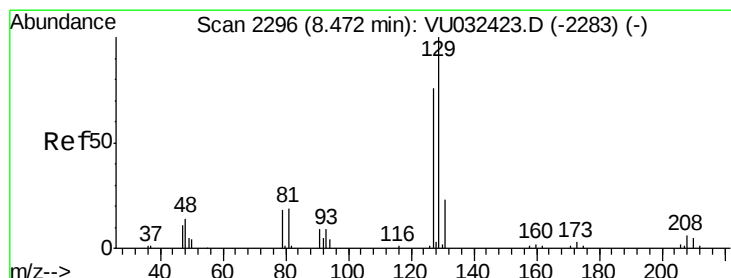
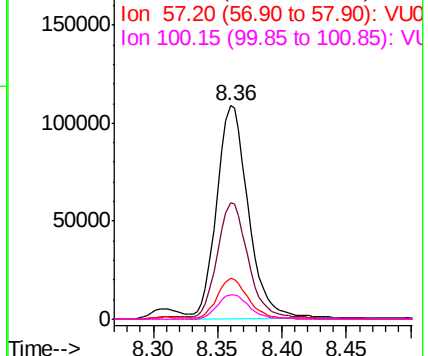
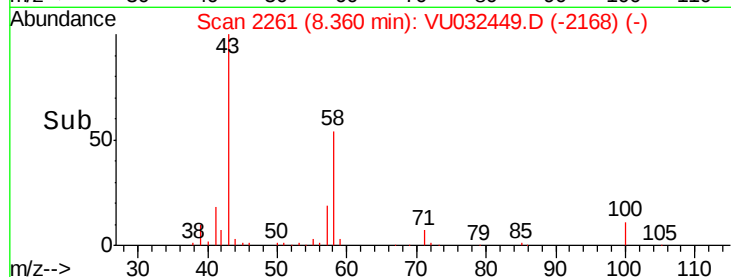
#48
2-Hexanone
Concen: 48.959 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU032449.D
Acq: 05 Jun 2019 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Tgt Ion: 43 Resp: 184239
Ion Ratio Lower Upper
43 100
58 54.4 41.9 62.9
57 19.0 15.1 22.7
100 11.8 9.0 13.6

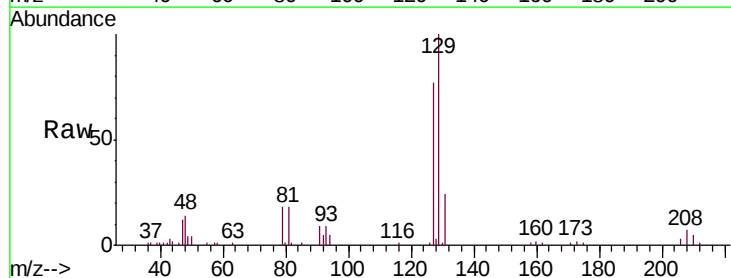


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

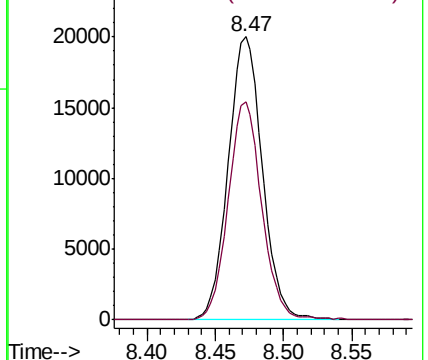
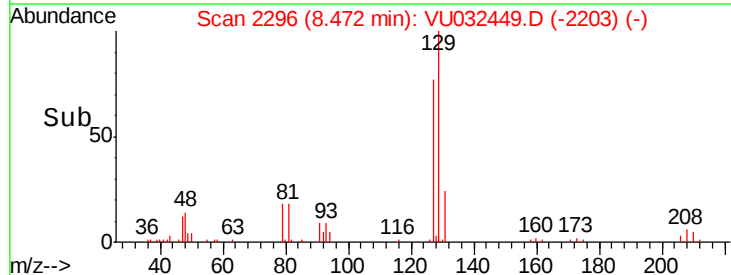


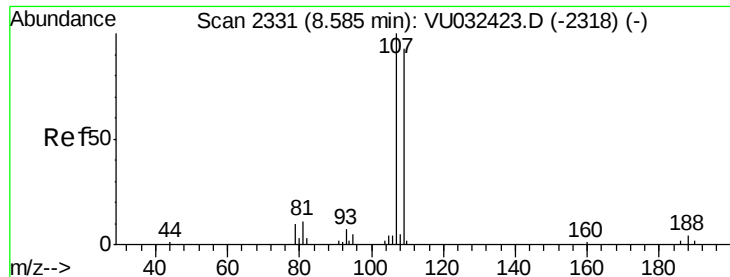
#49
Dibromochloromethane
Concen: 5.058 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032449.D
Acq: 05 Jun 2019 09:01

Tgt Ion: 129 Resp: 34832
Ion Ratio Lower Upper
129 100
127 77.2 53.3 98.9



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

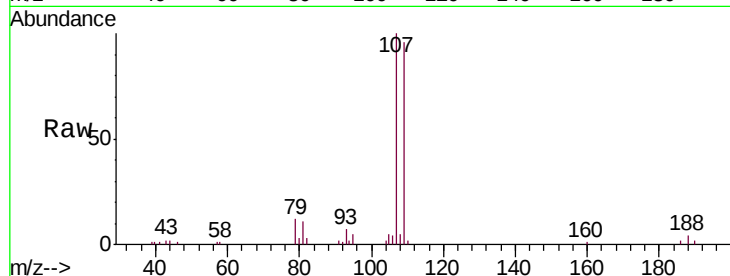




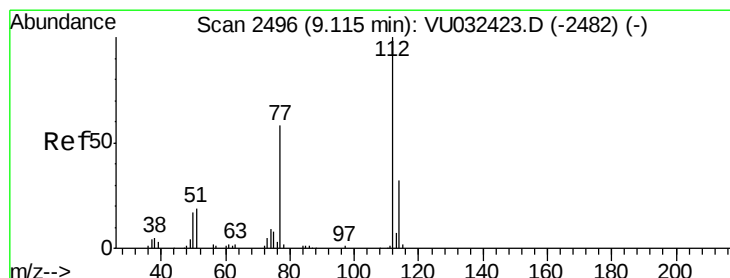
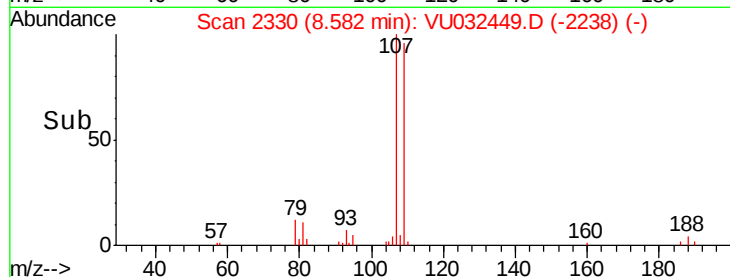
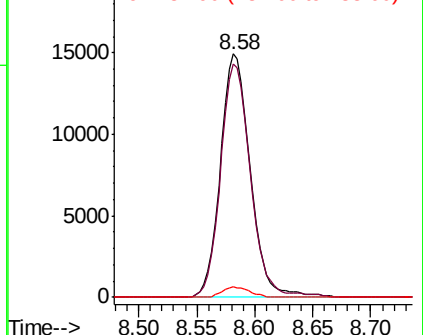
#50
1,2-Dibromoethane
Concen: 4.965 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU032449.D
Acq: 05 Jun 2019 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Tgt Ion:107 Resp: 26636
Ion Ratio Lower Upper
107 100
109 96.0 65.2 121.0
188 4.2 3.1 4.7

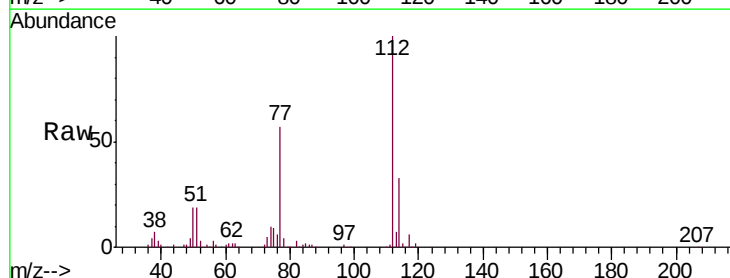


Abundance Ion 106.95 (106.65 to 107.65): V
20000 Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

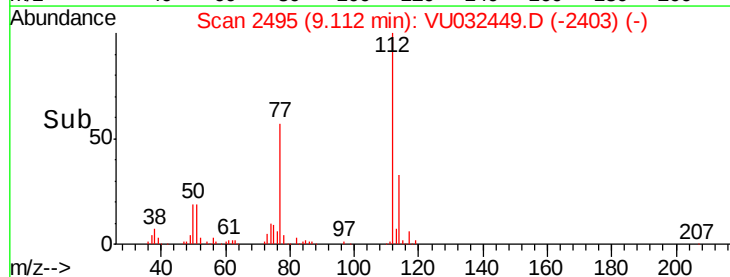
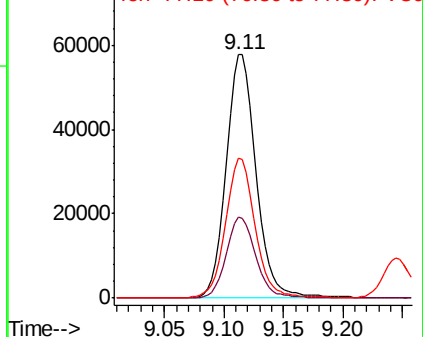


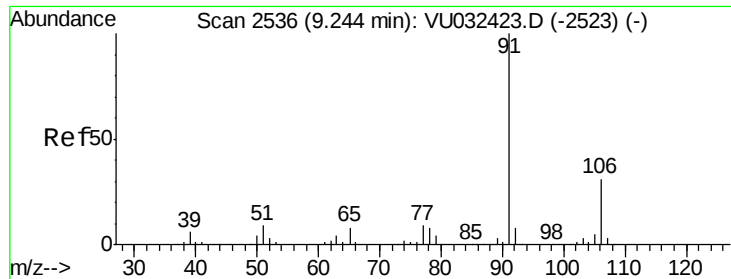
#51
Chlorobenzene
Concen: 5.040 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. -0.00 min
Lab File: VU032449.D
Acq: 05 Jun 2019 09:01

Tgt Ion:112 Resp: 100727
Ion Ratio Lower Upper
112 100
114 33.1 22.4 41.6
77 57.4 46.5 69.7



Abundance Ion 112.10 (111.80 to 112.80): V
80000 Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 4.944 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032449.D

Acq: 05 Jun 2019 09:01

Instrument :

MSVOA_U

ClientSampleId :

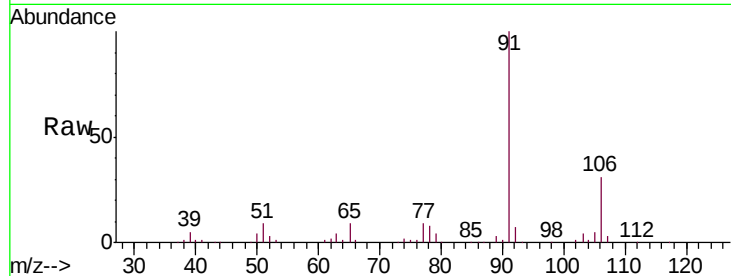
VSTD00521

Tgt Ion: 91 Resp: 173659

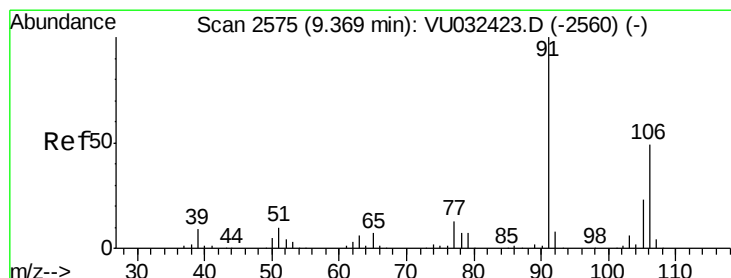
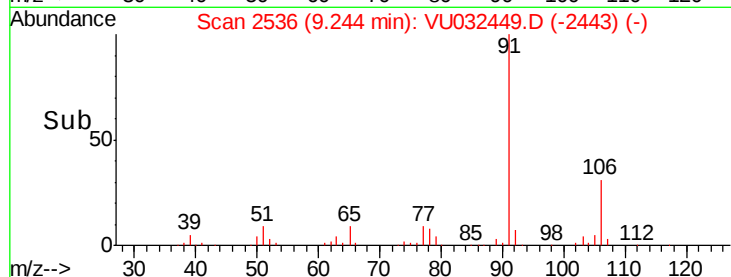
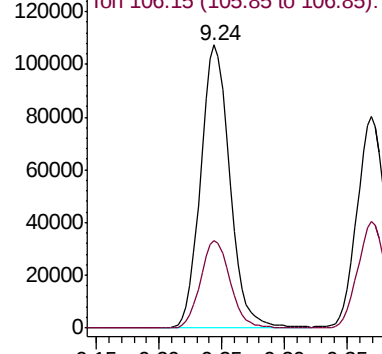
Ion Ratio Lower Upper

91 100

106 31.1 21.8 40.6



Abundance Ion 91.15 (90.85 to 91.85): VU032423.D (-2523) (-)



#53

m,p-Xylene

Concen: 5.043 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032449.D

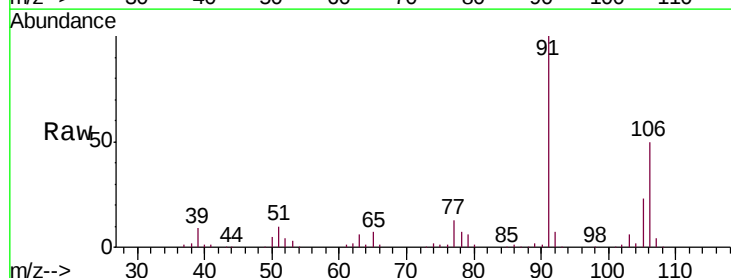
Acq: 05 Jun 2019 09:01

Tgt Ion: 106 Resp: 67159

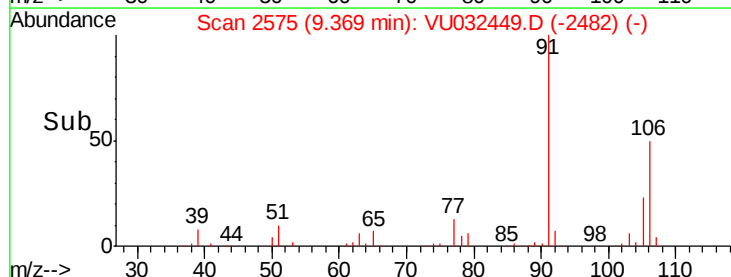
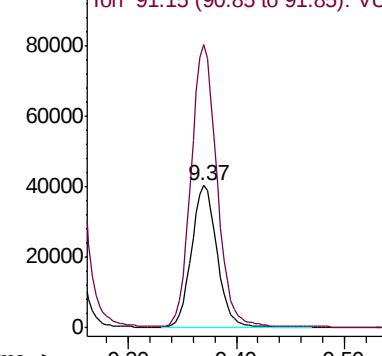
Ion Ratio Lower Upper

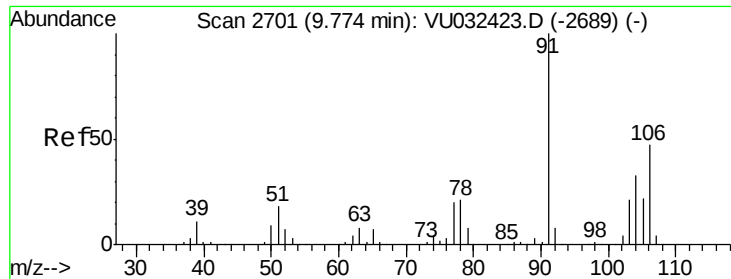
106 100

91 199.1 142.4 264.4



Abundance Ion 106.15 (105.85 to 106.85): VU032423.D (-2560) (-)

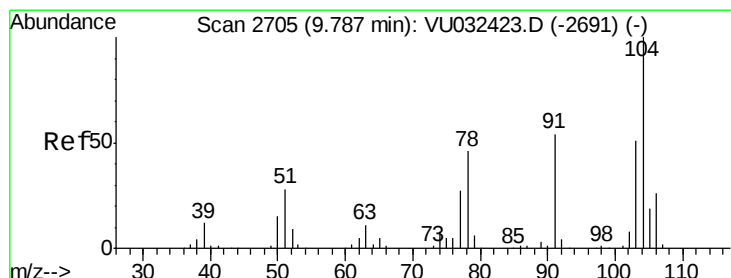
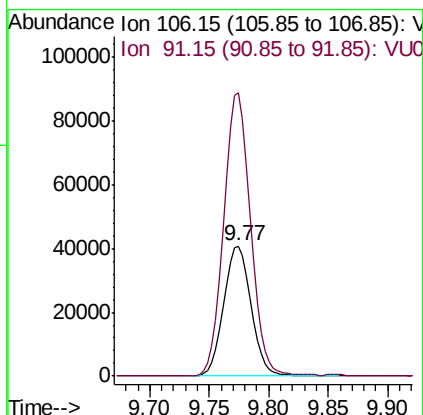
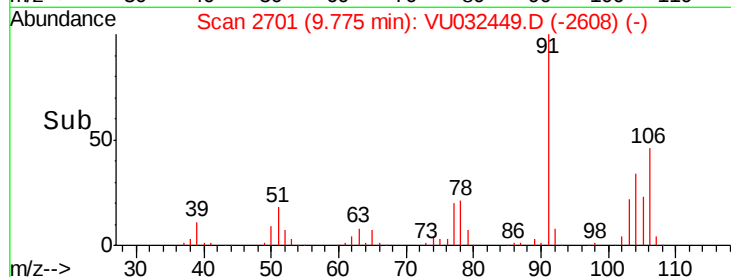
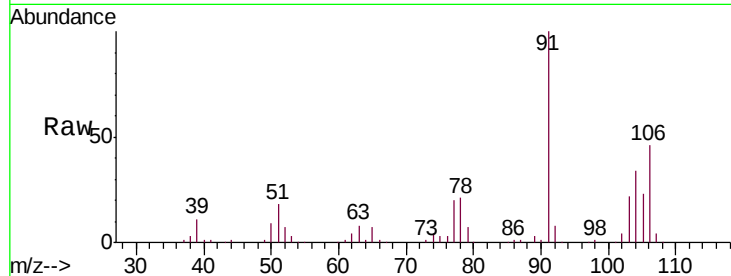




#54
o-Xylene
Concen: 4.927 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU032449.D
Acq: 05 Jun 2019 09:01

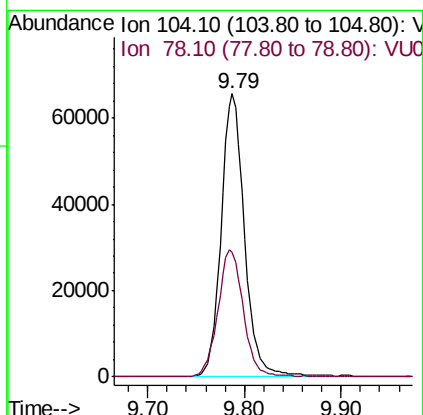
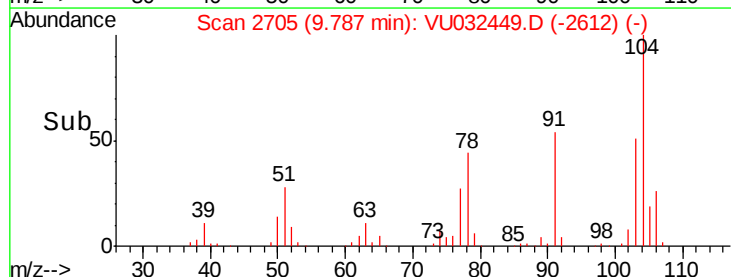
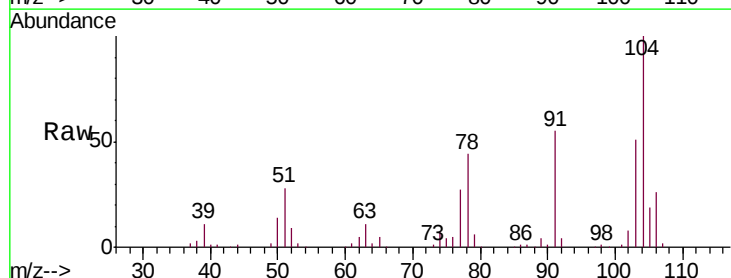
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

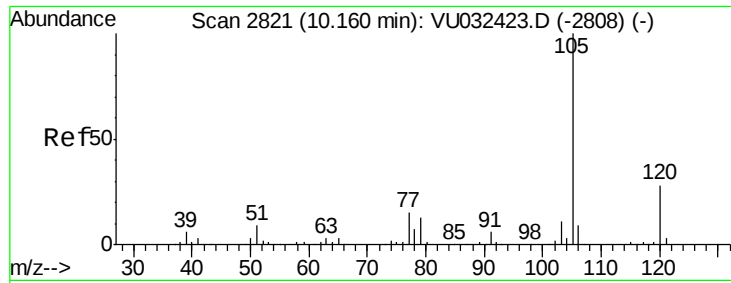
Tgt Ion:106 Resp: 65485
Ion Ratio Lower Upper
106 100
91 217.1 148.8 276.4



#55
Styrene
Concen: 5.027 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU032449.D
Acq: 05 Jun 2019 09:01

Tgt Ion:104 Resp: 109927
Ion Ratio Lower Upper
104 100
78 44.3 32.2 59.8





#56

Isopropylbenzene

Concen: 4.987 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032449.D

Acq: 05 Jun 2019 09:01

Instrument :

MSVOA_U

ClientSampled :

VSTD00521

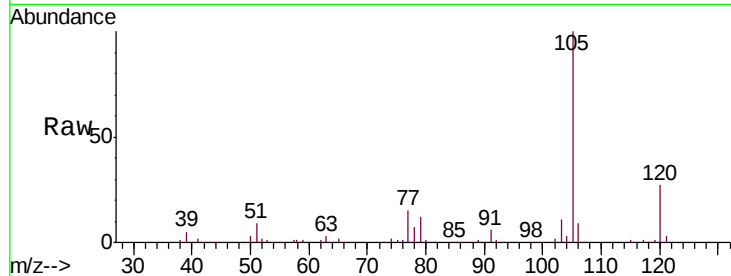
Tgt Ion: 105 Resp: 174842

Ion Ratio Lower Upper

105 100

120 26.6 21.6 32.4

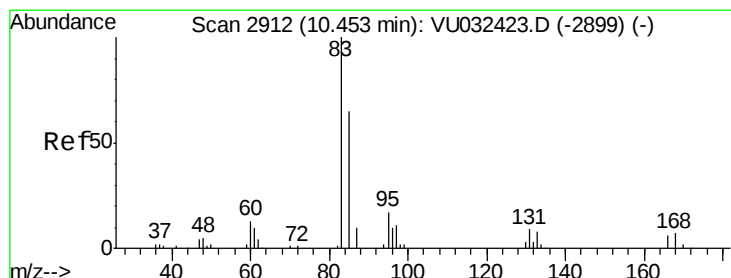
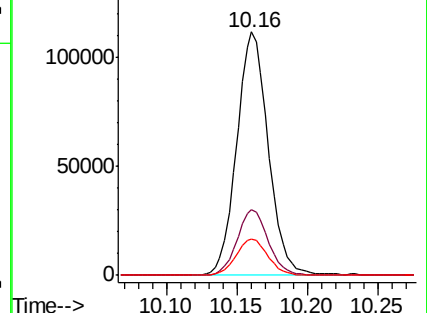
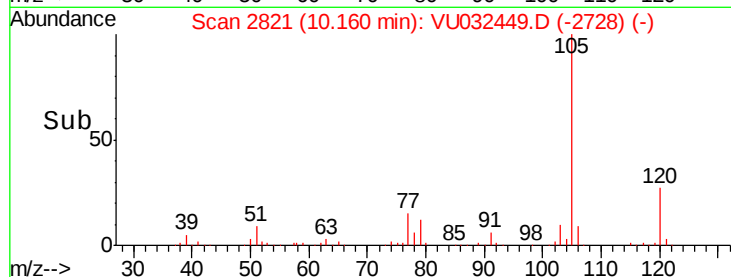
77 15.1 12.3 18.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.753 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032449.D

Acq: 05 Jun 2019 09:01

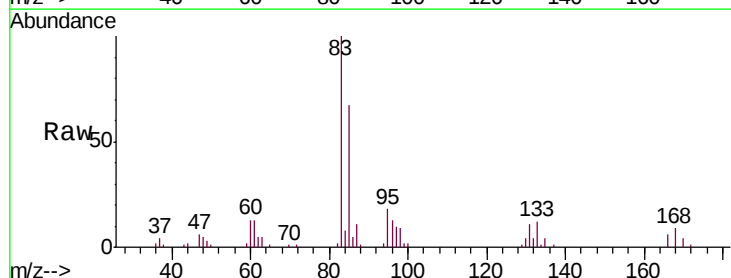
Tgt Ion: 83 Resp: 32727

Ion Ratio Lower Upper

83 100

85 66.8 45.7 84.9

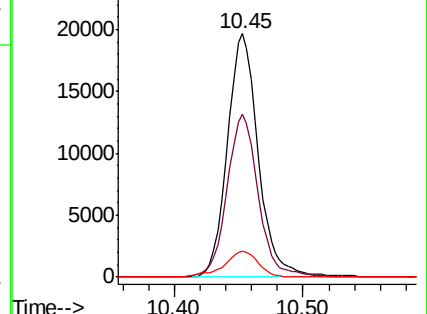
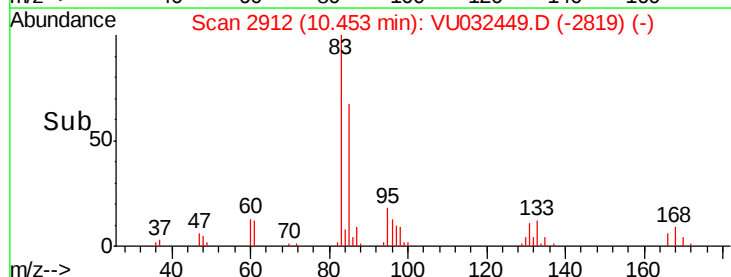
131 10.6 8.0 12.0

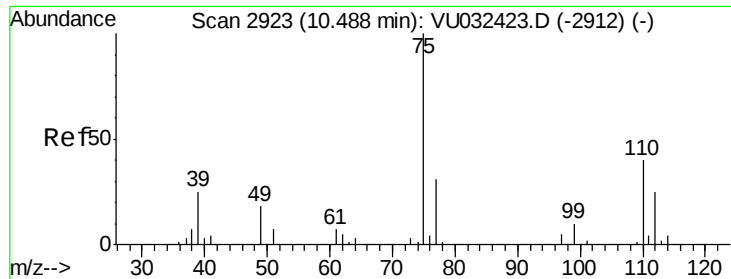


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

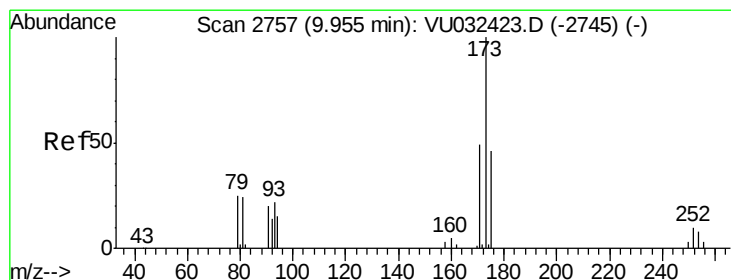
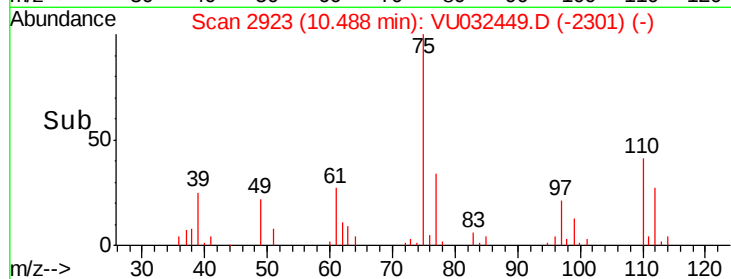
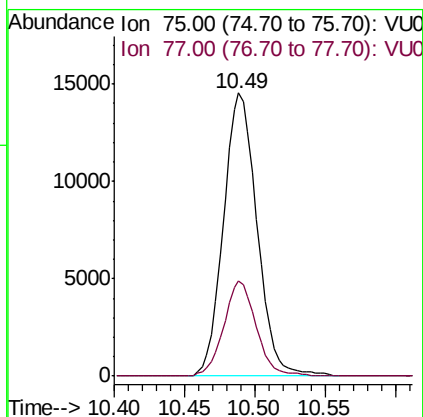
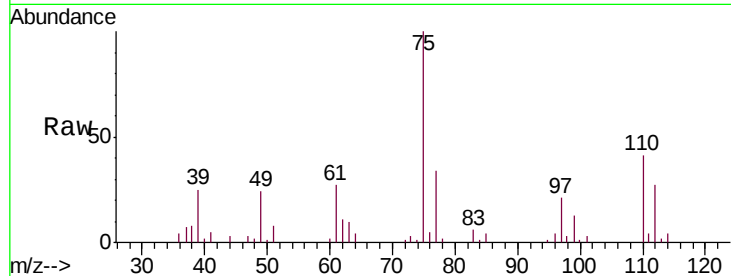




#59
 1,2,3-Trichloropropane
 Concen: 4.979 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU032449.D
 Acq: 05 Jun 2019 09:01

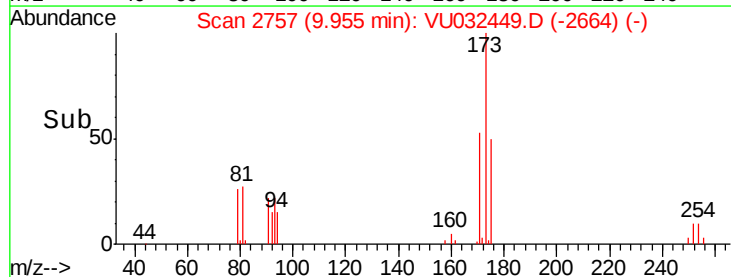
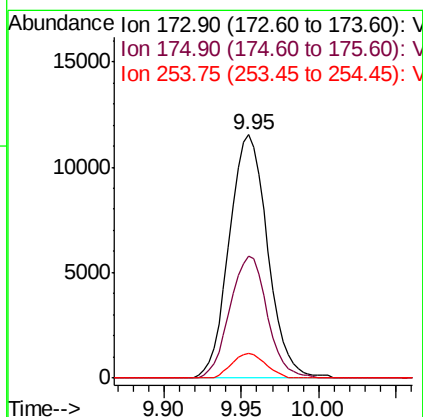
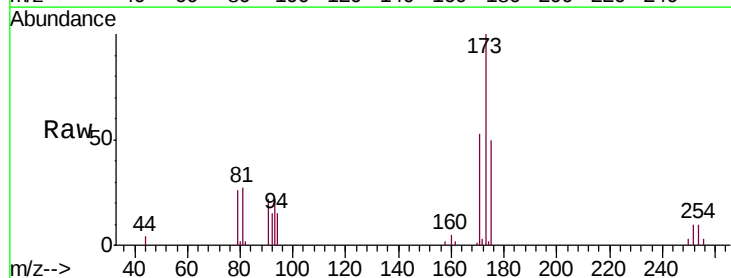
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

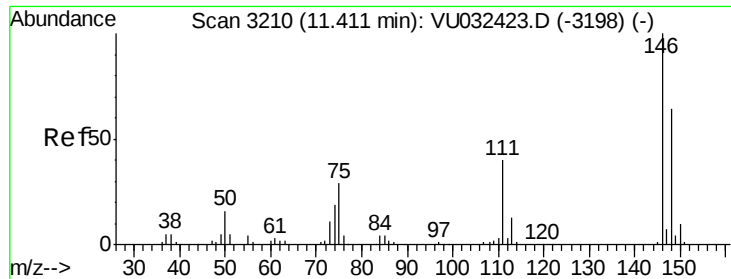
Tgt Ion: 75 Resp: 24195
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.3 37.9



#61
 Bromoform
 Concen: 4.866 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU032449.D
 Acq: 05 Jun 2019 09:01

Tgt Ion: 173 Resp: 19861
 Ion Ratio Lower Upper
 173 100
 175 48.7 37.9 56.9
 254 8.9 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 5.016 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. 0.00 min

Lab File: VU032449.D

Acq: 05 Jun 2019 09:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

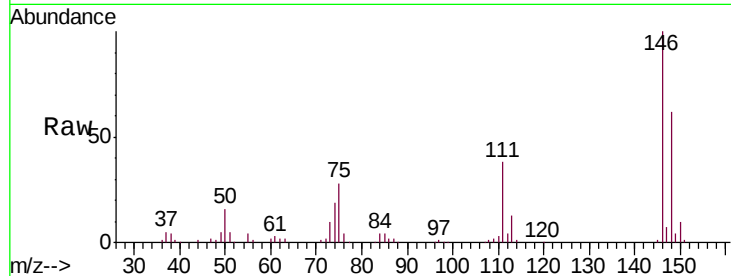
Tgt Ion:146 Resp: 83185

Ion Ratio Lower Upper

146 100

111 38.2 27.7 51.5

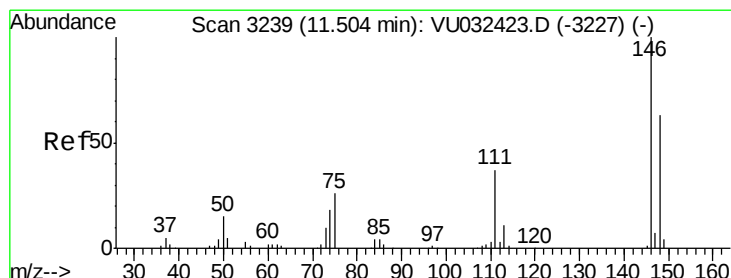
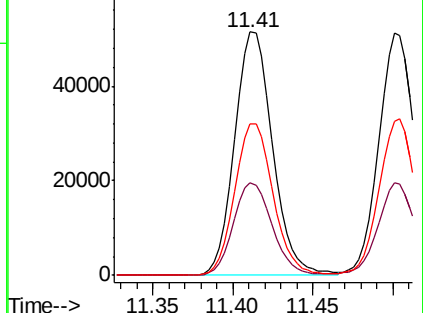
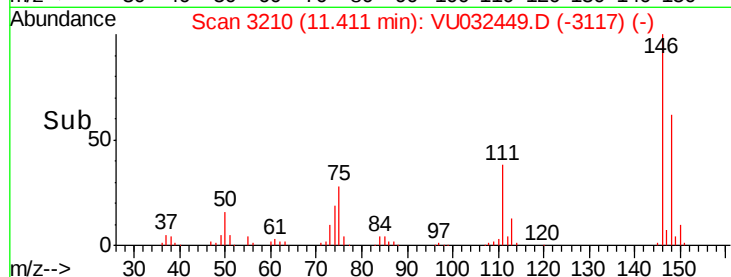
148 62.0 44.7 83.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.950 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. -0.00 min

Lab File: VU032449.D

Acq: 05 Jun 2019 09:01

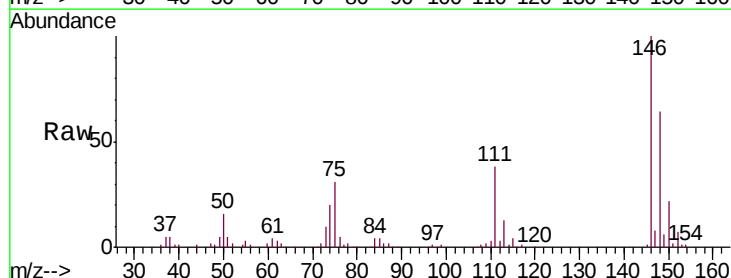
Tgt Ion:146 Resp: 83450

Ion Ratio Lower Upper

146 100

111 38.1 26.2 48.6

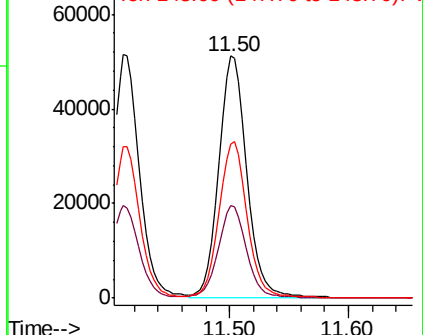
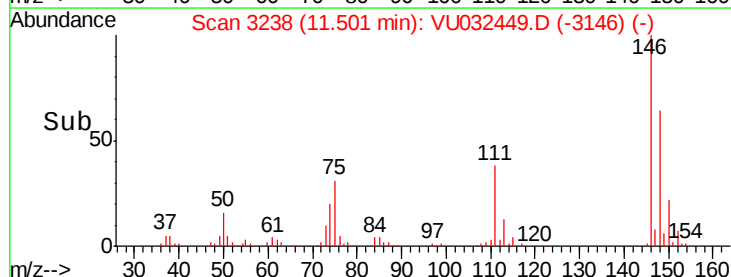
148 63.6 43.9 81.5

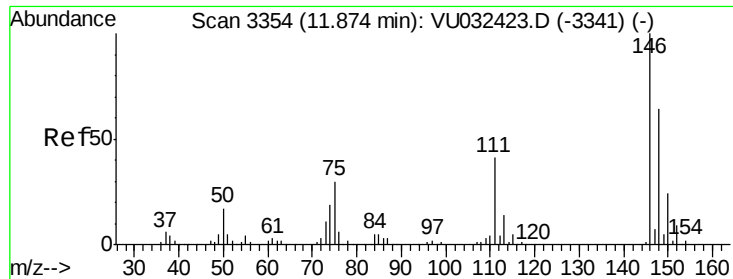


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.030 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU032449.D

Acq: 05 Jun 2019 09:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

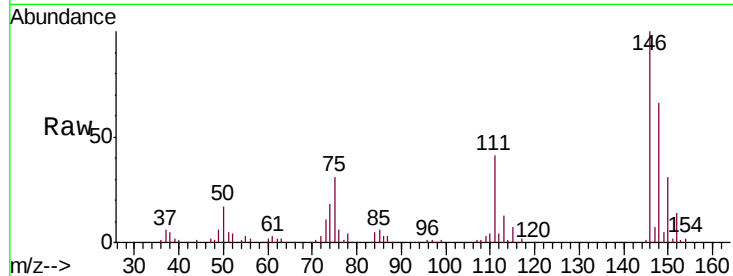
Tgt Ion:146 Resp: 80597

Ion Ratio Lower Upper

146 100

111 40.7 33.0 49.4

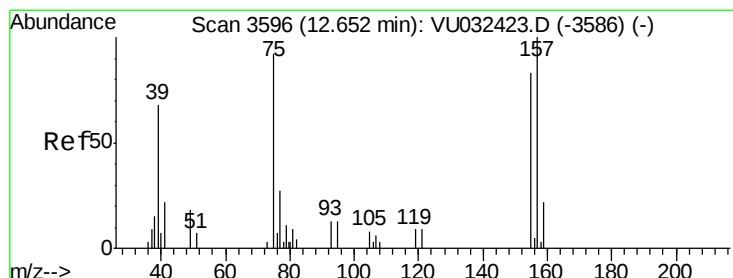
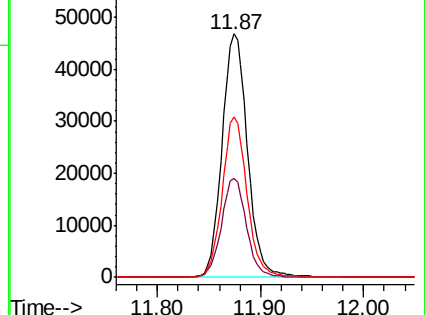
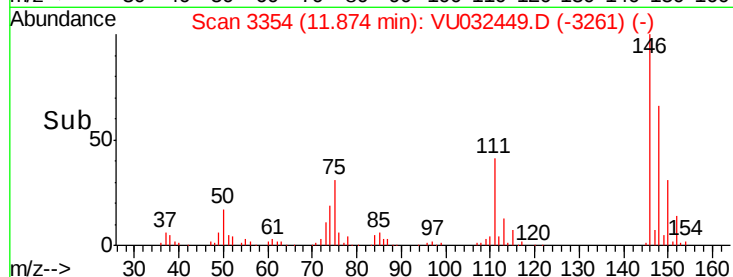
148 66.0 51.5 77.3



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.851 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU032449.D

Acq: 05 Jun 2019 09:01

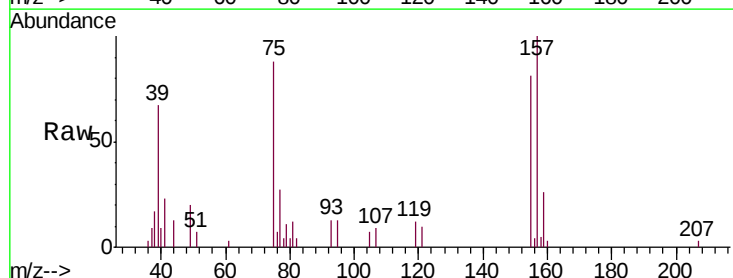
Tgt Ion: 75 Resp: 5458

Ion Ratio Lower Upper

75 100

155 92.7 72.3 108.5

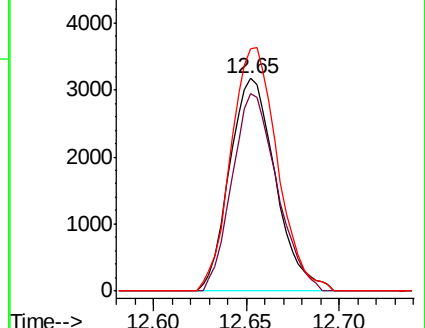
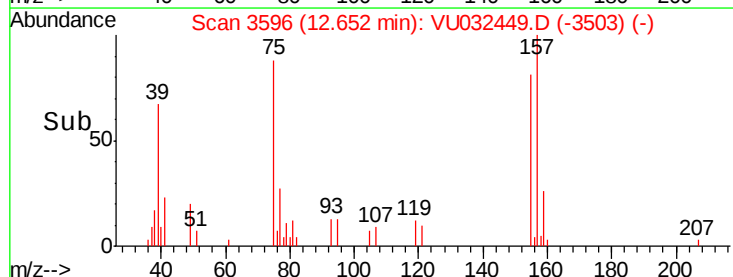
157 113.9 87.4 131.0

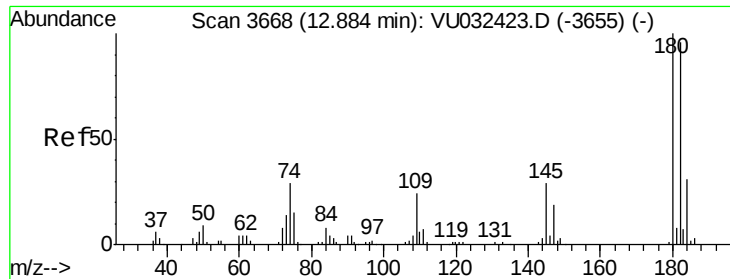


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

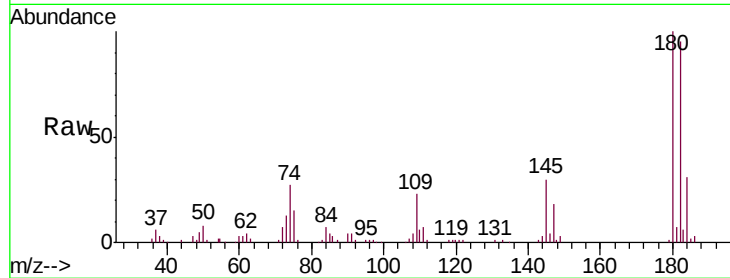




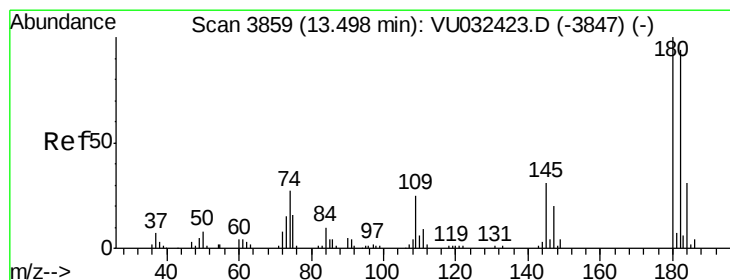
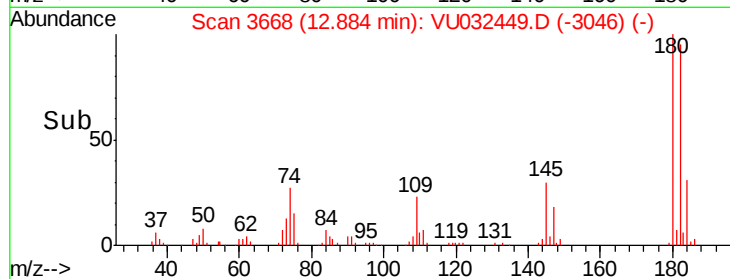
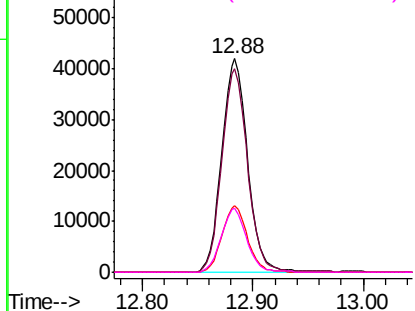
#67
 1,3,5-Trichlorobenzene
 Concen: 5.147 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU032449.D
 Acq: 05 Jun 2019 09:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tgt Ion:180 Resp: 68402
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.6 115.0
 184 30.4 24.2 36.4
 145 29.4 23.5 35.3

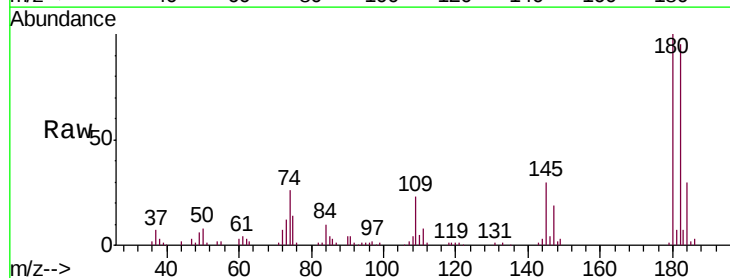


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

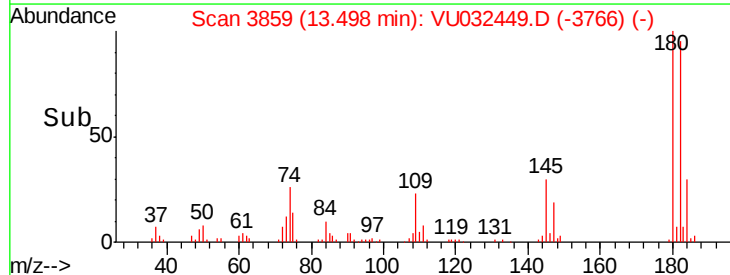
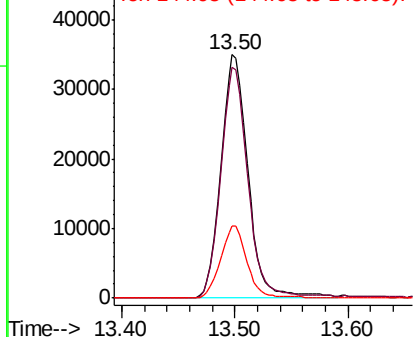


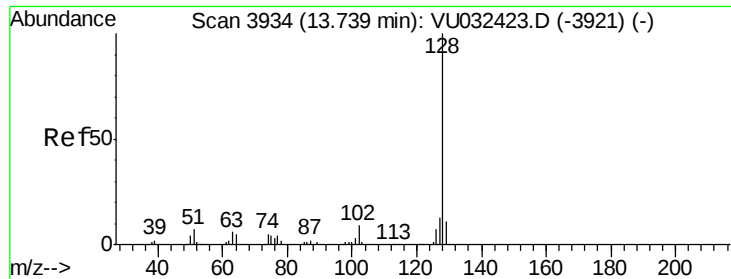
#68
 1,2,4-trichlorobenzene
 Concen: 5.465 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032449.D
 Acq: 05 Jun 2019 09:01

Tgt Ion:180 Resp: 58560
 Ion Ratio Lower Upper
 180 100
 182 93.6 74.8 112.2
 145 28.5 24.3 36.5



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.270 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU032449.D

Acq: 05 Jun 2019 09:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

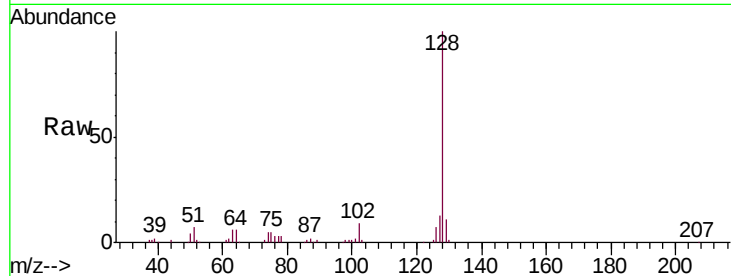
Tgt Ion:128 Resp: 98995

Ion Ratio Lower Upper

128 100

129 10.3 8.1 12.1

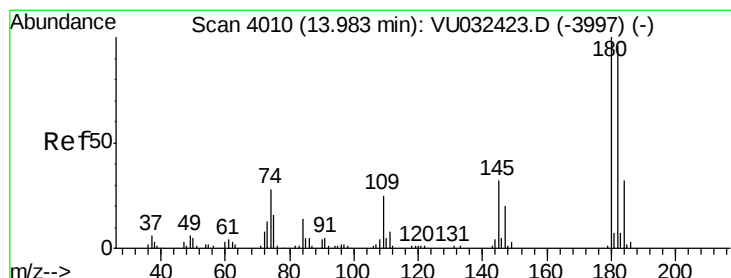
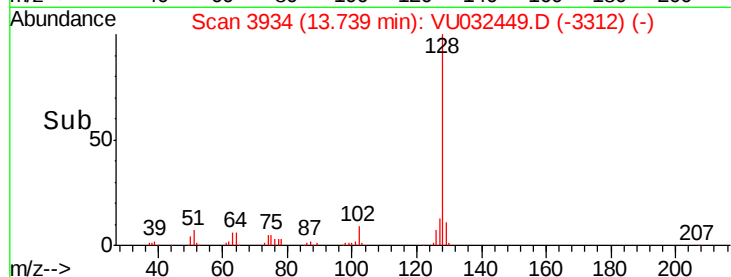
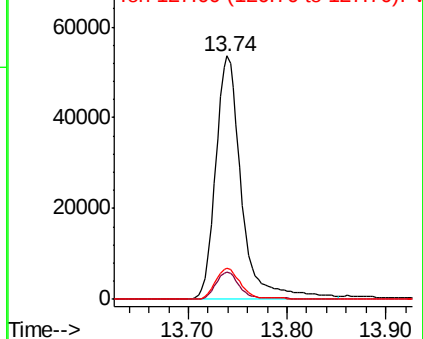
127 12.4 10.4 15.6



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: 5.046 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU032449.D

Acq: 05 Jun 2019 09:01

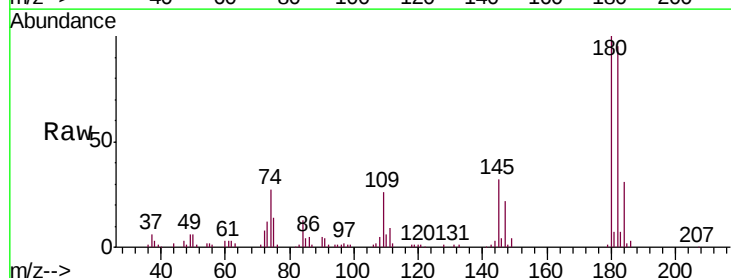
Tgt Ion:180 Resp: 53846

Ion Ratio Lower Upper

180 100

182 94.0 73.8 110.6

145 31.8 25.3 37.9



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

