

Data File : VU032421.D
Acq On : 04 Jun 2019 12:25
Operator : JC/SP
Sample : VSTD0.509
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.509

Quant Time: Jun 04 22:35:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 04 22:32:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	103887	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	96762	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	48533	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	3468	0.42	ug/L	0.00
7) Chloroethane-d5	1.68	69	3099	0.46	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	7162	0.43	ug/L	0.00
20) 2-Butanone-d5	4.22	46	6984	3.57	ug/L	0.02
24) Chloroform-d	4.64	84	6517	0.53	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	3237	0.51	ug/L	0.00
32) Benzene-d6	5.33	84	12255	0.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	3860	0.48	ug/L	0.00
41) Toluene-d8	7.56	98	11172	0.47	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	1462	0.44	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	7206	4.46	ug/L	0.01
57) 1,1,2,2-Tetrachloroethane-	10.43	84	2979	0.47	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	4629	0.51	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	4835	0.562	ug/L	93
3) Chloromethane	1.33	50	5234	0.509	ug/L	98
5) Vinyl chloride	1.40	62	4734	0.461	ug/L	96
6) Bromomethane	1.63	94	2944	0.469	ug/L	99
8) Chloroethane	1.69	64	3153	0.491	ug/L	92
9) Trichlorofluoromethane	1.88	101	6940	0.504	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	3735	0.475	ug/L	100
12) 1,1-Dichloroethene	2.28	96	3598	0.468	ug/L	98
13) Acetone	2.35	43	7920	5.021	ug/L	92
14) Carbon disulfide	2.47	76	11362	0.431	ug/L	100
15) Methyl Acetate	2.62	43	2535	0.560	ug/L #	90
16) Methylene chloride	2.69	84	4192	0.436	ug/L	95
17) Methyl tert-butyl Ether	3.00	73	10178	0.475	ug/L	98
18) trans-1,2-Dichloroethene	2.97	96	4039	0.485	ug/L	96
19) 1,1-Dichloroethane	3.43	63	6835	0.528	ug/L	97
21) 2-Butanone	4.30	43	10592	5.016	ug/L	96
22) cis-1,2-Dichloroethene	4.22	96	4426	0.582	ug/L	94
23) Bromochloromethane	4.55	128	1702	0.501	ug/L #	93
25) Chloroform	4.67	83	6808	0.540	ug/L	98
27) 1,2-Dichloroethane	5.41	62	4510	0.557	ug/L	100
29) 1,1,1-Trichloroethane	4.90	97	5961	0.547	ug/L	98
30) Cyclohexane	4.98	56	6597	0.526	ug/L	97
31) Carbon tetrachloride	5.12	117	5608	0.584	ug/L	98
33) Benzene	5.38	78	14977	0.525	ug/L	100
34) Trichloroethene	6.18	95	4637	0.585	ug/L	93
35) Methylcyclohexane	6.40	83	7072	0.592	ug/L	97
37) 1,2-Dichloropropane	6.43	63	3949	0.527	ug/L #	89
38) Bromodichloromethane	6.75	83	4788	0.529	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	5499	0.509	ug/L	98
40) 4-Methyl-2-pentanone	7.47	43	26268	5.264	ug/L	97

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	16757	0.542	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	4418	0.525	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	2760	0.528	ug/L	96
47) Tetrachloroethene	8.22	164	3370	0.556	ug/L	94
48) 2-Hexanone	8.37	43	18680	5.370	ug/L	99
49) Dibromochloromethane	8.48	129	3405	0.538	ug/L	92
50) 1,2-Dibromoethane	8.59	107	2740	0.540	ug/L #	90
51) Chlorobenzene	9.12	112	9906	0.518	ug/L	95
52) Ethylbenzene	9.25	91	18116	0.549	ug/L	100
53) m,p-Xylene	9.37	106	6614	0.529	ug/L	99
54) o-Xylene	9.78	106	6942	0.570	ug/L	95
55) Styrene	9.79	104	10789	0.531	ug/L	96
56) Isopropylbenzene	10.16	105	18233	0.572	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	3500	0.529	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	2398	0.514	ug/L	98
61) Bromoform	9.96	173	1836	0.477	ug/L #	85
62) 1,3-Dichlorobenzene	11.42	146	8273	0.553	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	8810	0.582	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	8249	0.569	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.66	75	469	0.434	ug/L #	81
67) 1,3,5-Trichlorobenzene	12.89	180	6409	0.528	ug/L	96
68) 1,2,4-trichlorobenzene	13.50	180	4534	0.453	ug/L	92
69) Naphthalene	13.76	128	6271	0.213	ug/L #	93
70) 1,2,3-Trichlorobenzene	13.99	180	5329	0.551	ug/L #	83

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

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MSVOA_U
ClientSampleId :
VSTD0.509

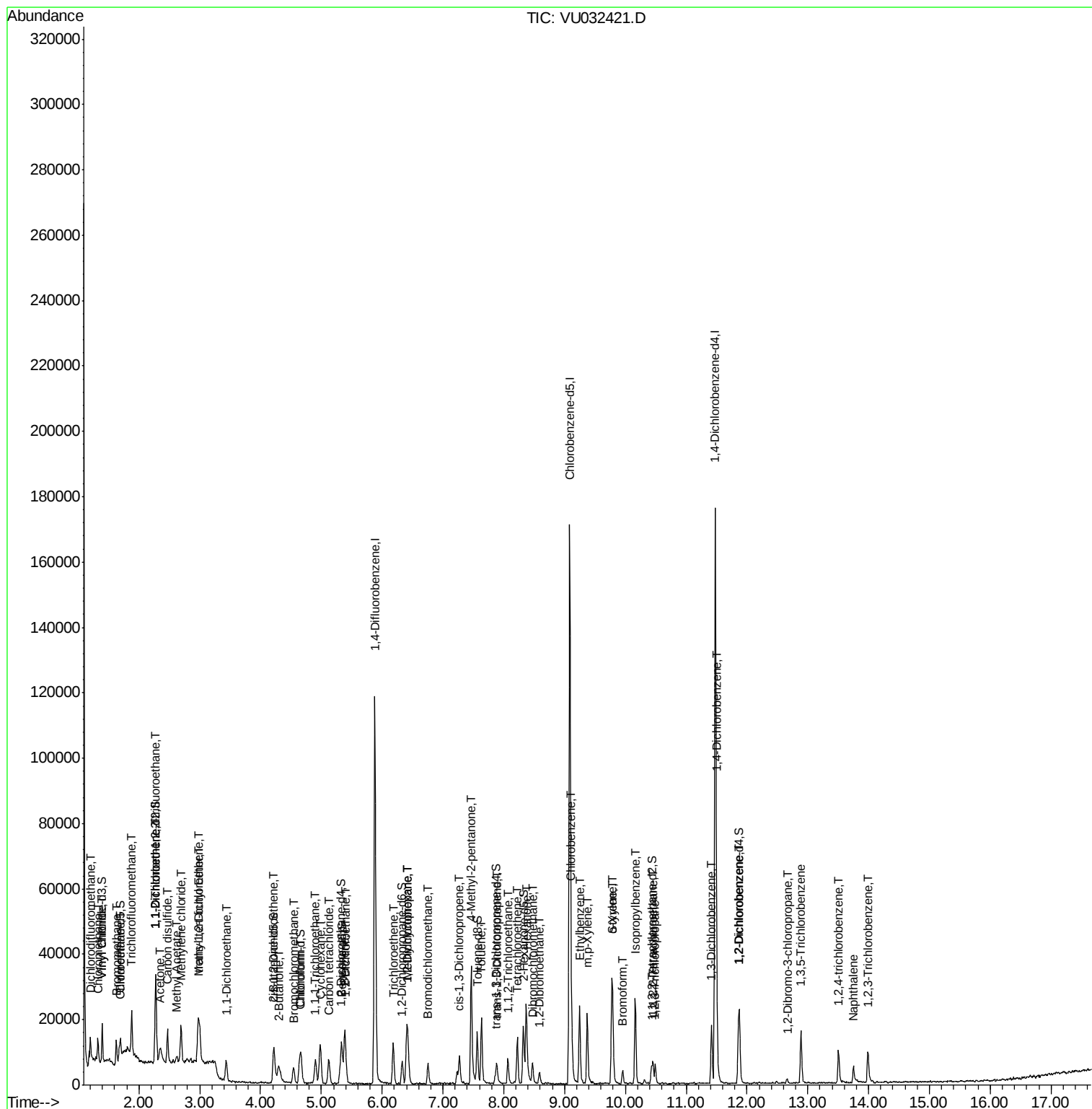
Quant Time: Jun 04 22:35:15 2019

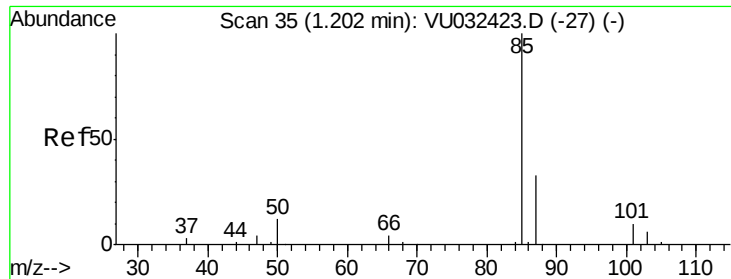
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M

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#2

Dichlorodifluoromethane

Concen: 0.562 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032421.D

Acq: 04 Jun 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

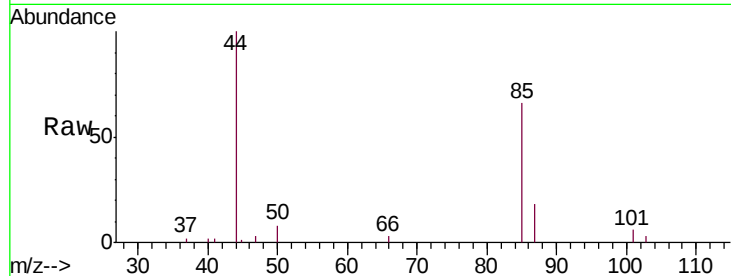
VSTD0.509

Tgt Ion: 85 Resp: 4835

Ion Ratio Lower Upper

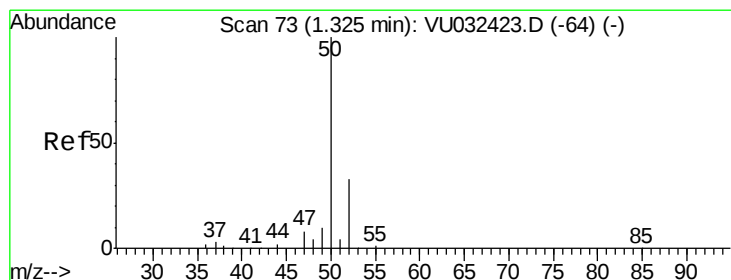
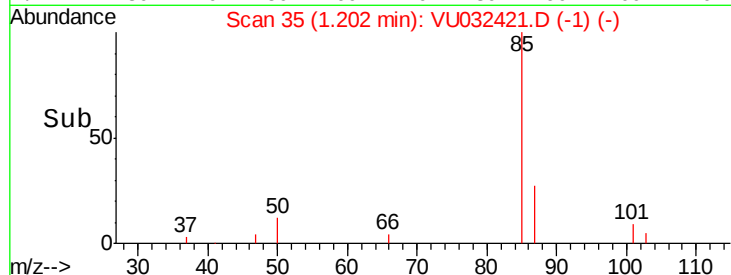
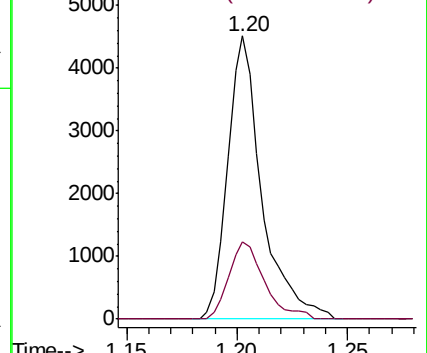
85 100

87 28.5 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU032421.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU032421.D (-1) (-)



#3

Chloromethane

Concen: 0.509 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU032421.D

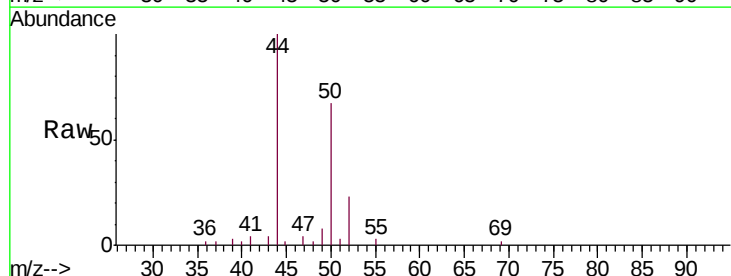
Acq: 04 Jun 2019 12:25

Tgt Ion: 50 Resp: 5234

Ion Ratio Lower Upper

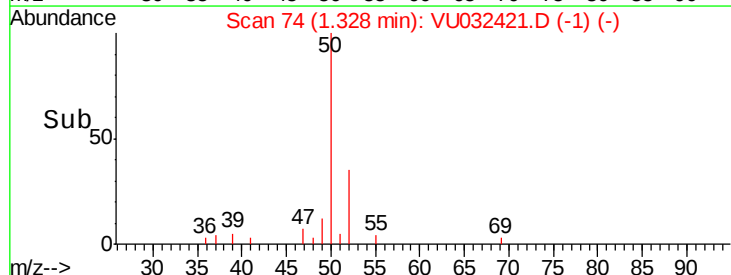
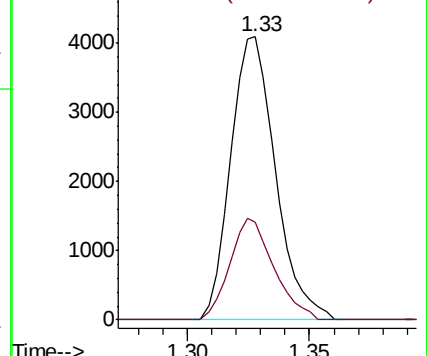
50 100

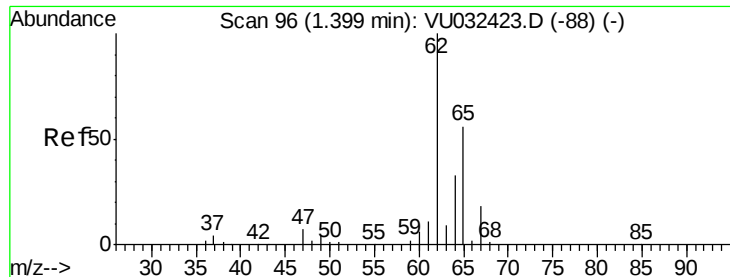
52 34.6 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VU032421.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU032421.D (-1) (-)





#5

Vinyl chloride

Concen: 0.461 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032421.D

Acq: 04 Jun 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

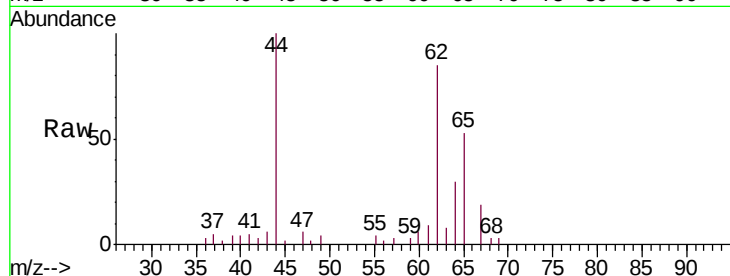
VSTD0.509

Tgt Ion: 62 Resp: 4734

Ion Ratio Lower Upper

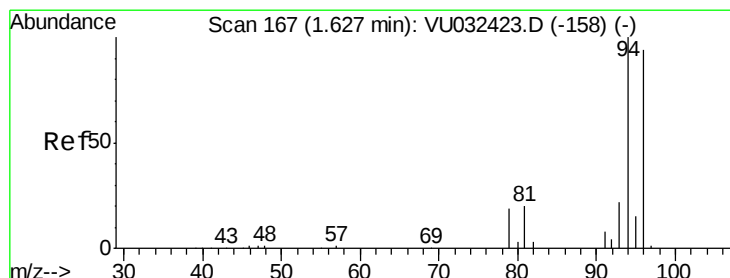
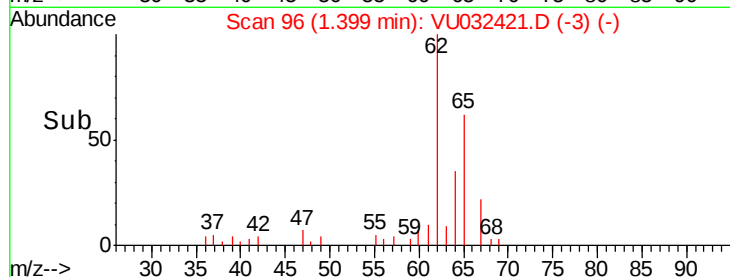
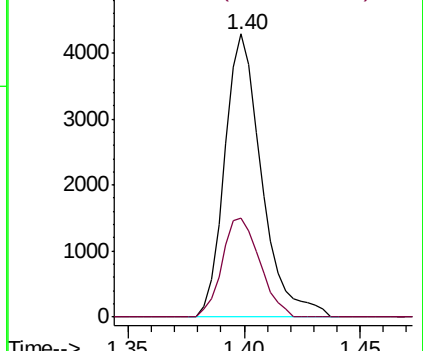
62 100

64 35.2 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.469 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU032421.D

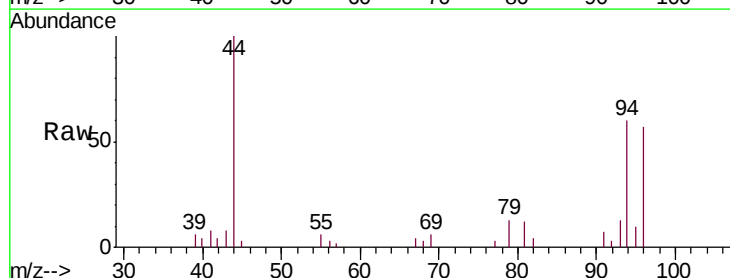
Acq: 04 Jun 2019 12:25

Tgt Ion: 94 Resp: 2944

Ion Ratio Lower Upper

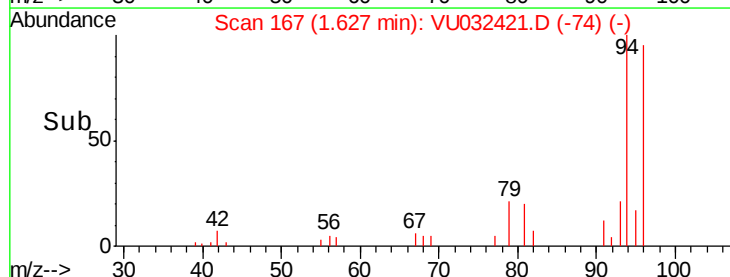
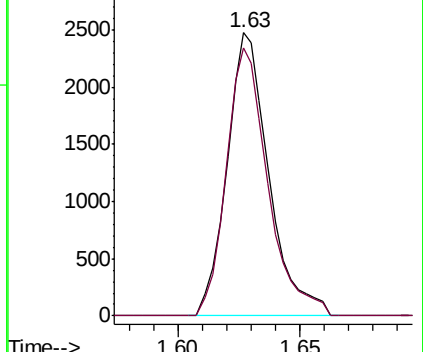
94 100

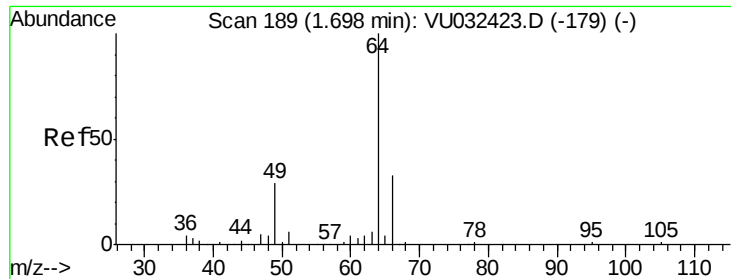
96 94.8 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.491 ug/L

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU032421.D

Acq: 04 Jun 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

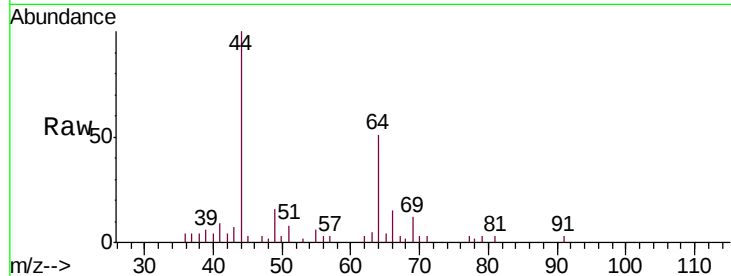
VSTD0.509

Tgt Ion: 64 Resp: 3153

Ion Ratio Lower Upper

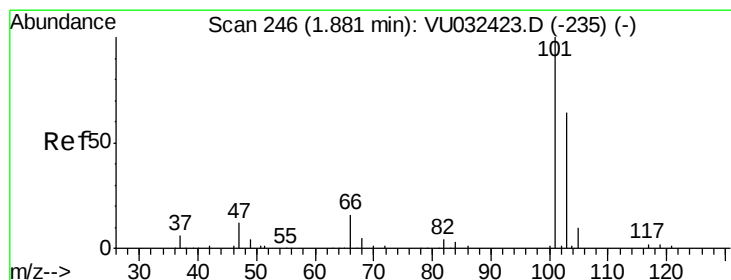
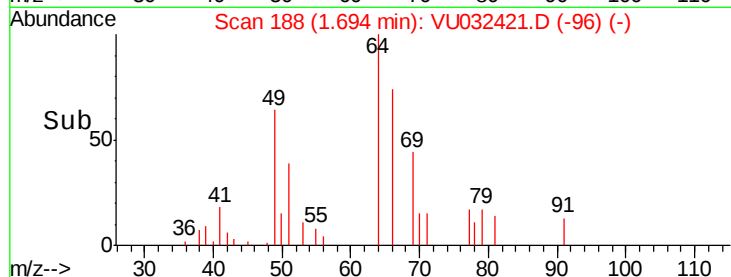
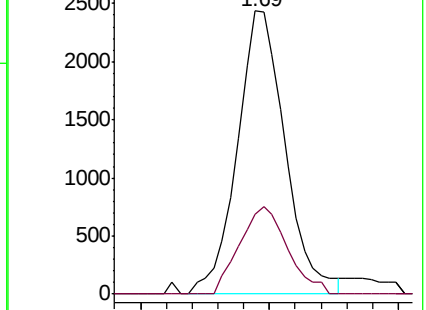
64 100

66 28.3 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: 0.504 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU032421.D

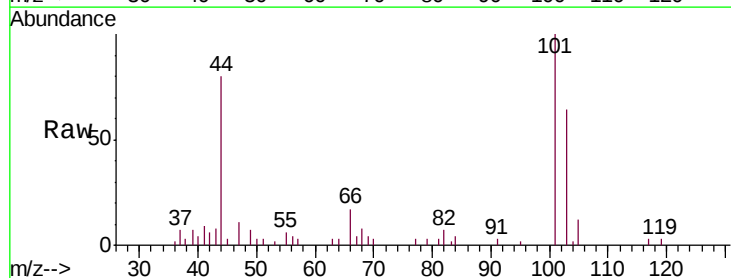
Acq: 04 Jun 2019 12:25

Tgt Ion: 101 Resp: 6940

Ion Ratio Lower Upper

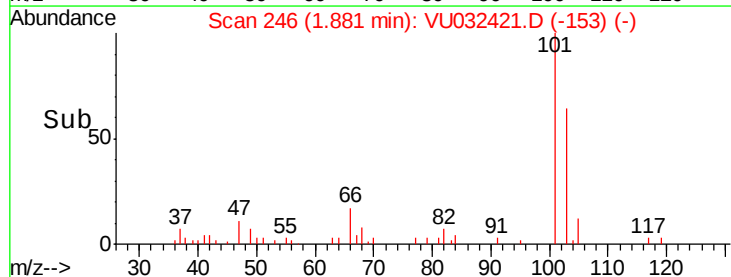
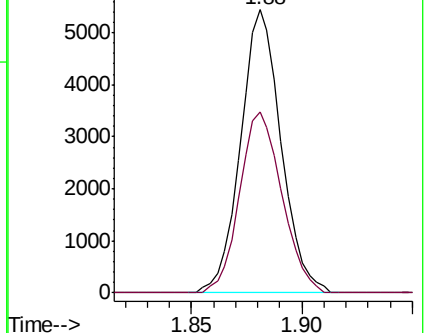
101 100

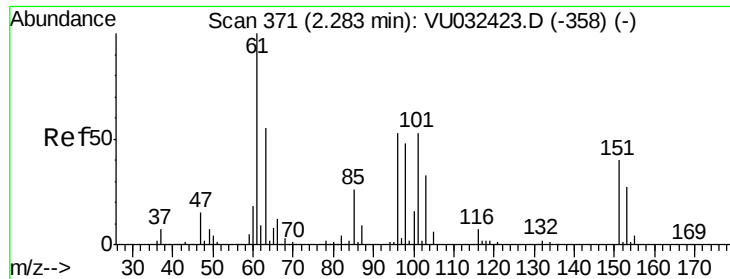
103 66.6 52.2 78.2



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: 0.475 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU032421.D

Acq: 04 Jun 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.509

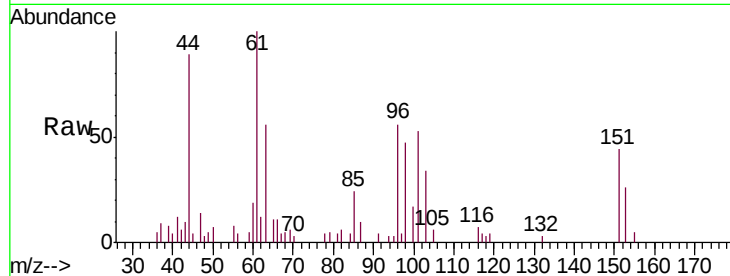
Tgt Ion:101 Resp: 3735

Ion Ratio Lower Upper

101 100

85 48.5 38.9 58.3

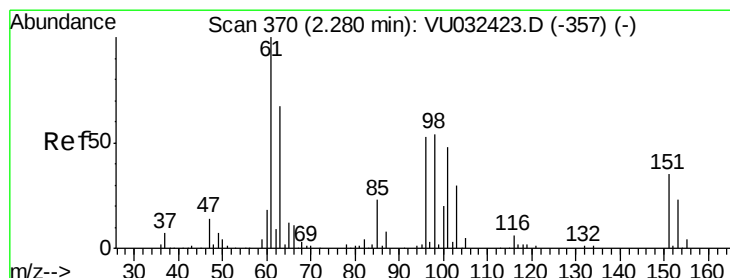
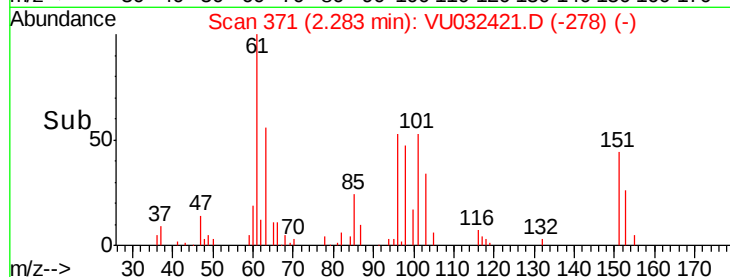
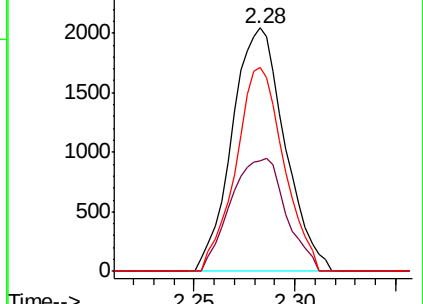
151 76.1 61.0 91.4



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: 0.468 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032421.D

Acq: 04 Jun 2019 12:25

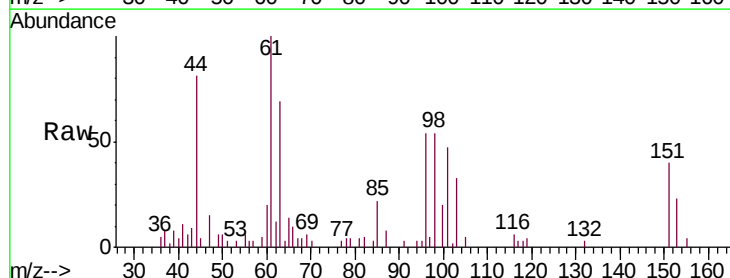
Tgt Ion: 96 Resp: 3598

Ion Ratio Lower Upper

96 100

61 184.7 131.8 244.8

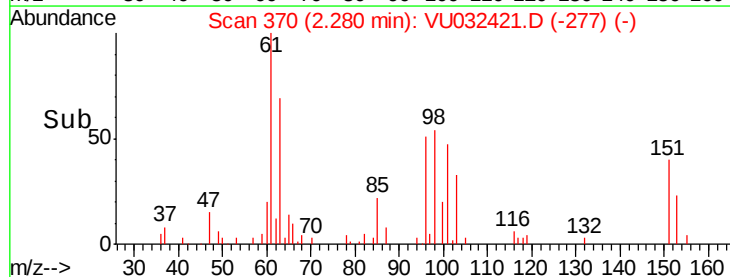
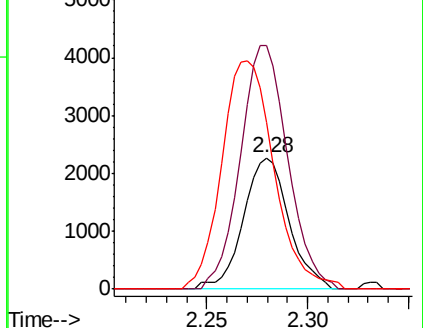
63 126.6 90.1 167.3

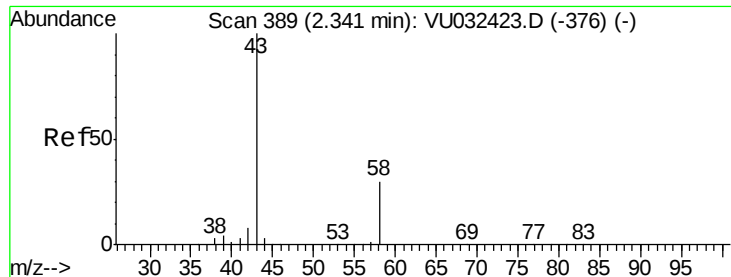


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.021 ug/L

RT: 2.35 min Scan# 392

Delta R.T. 0.01 min

Lab File: VU032421.D

Acq: 04 Jun 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

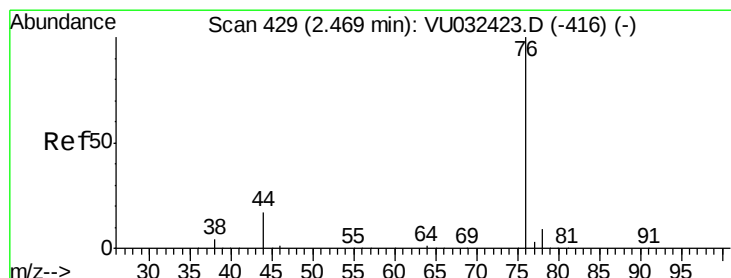
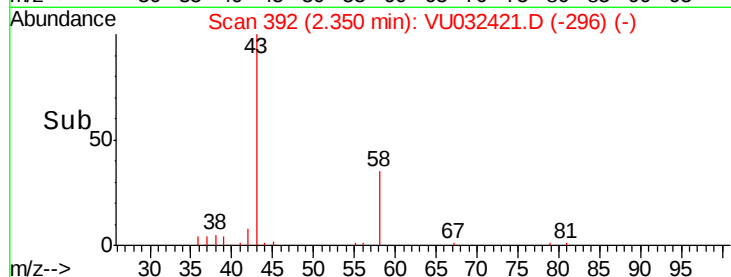
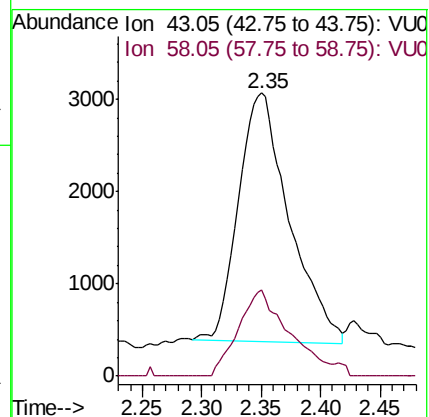
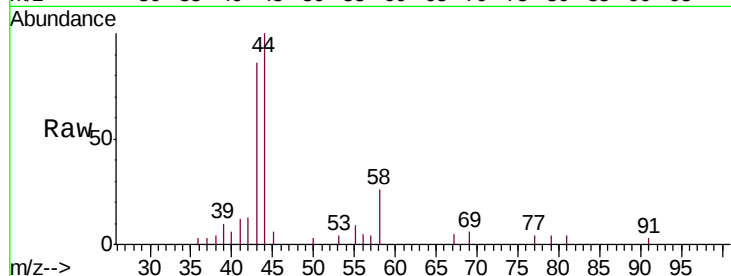
VSTD0.509

Tgt Ion: 43 Resp: 7920

Ion Ratio Lower Upper

43 100

58 34.8 0.0 60.8



#14

Carbon disulfide

Concen: 0.431 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU032421.D

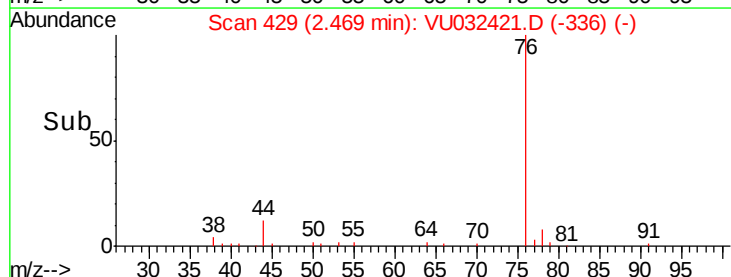
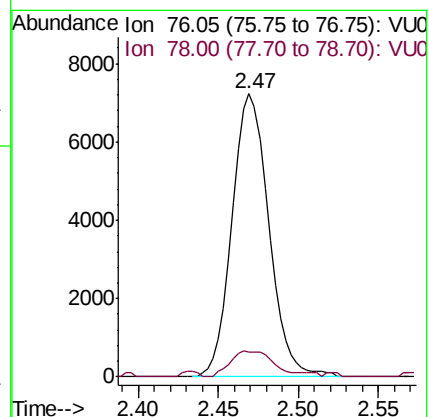
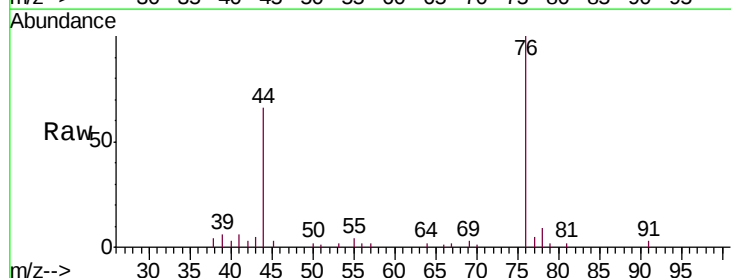
Acq: 04 Jun 2019 12:25

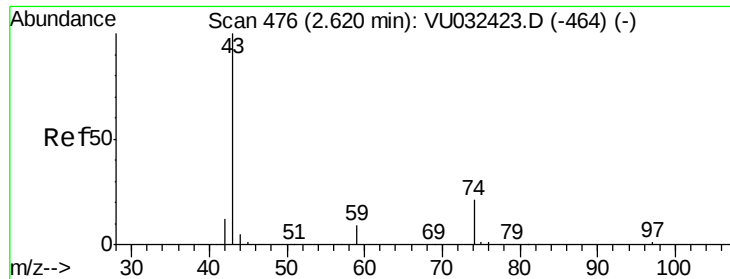
Tgt Ion: 76 Resp: 11362

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

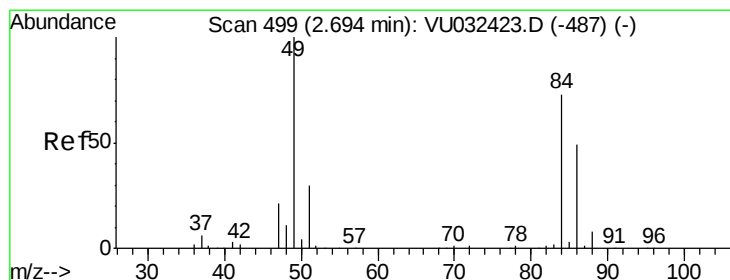
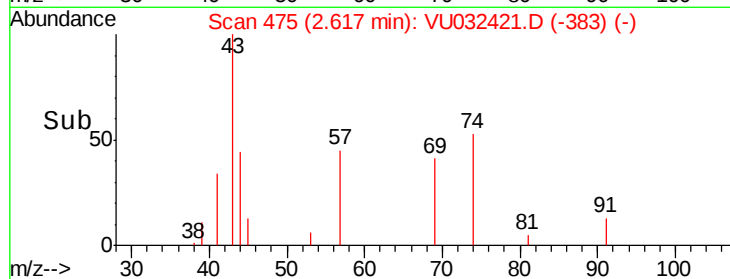
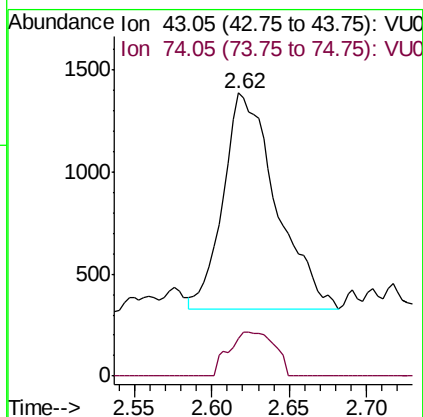
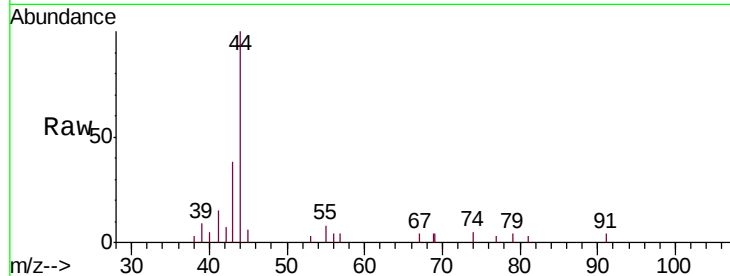




#15
Methyl Acetate
Concen: 0.560 ug/L
RT: 2.62 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU032421.D
Acq: 04 Jun 2019 12:25

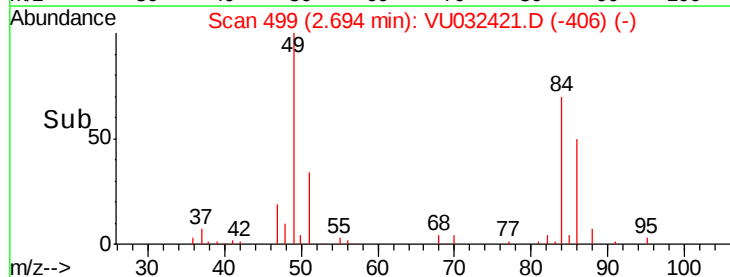
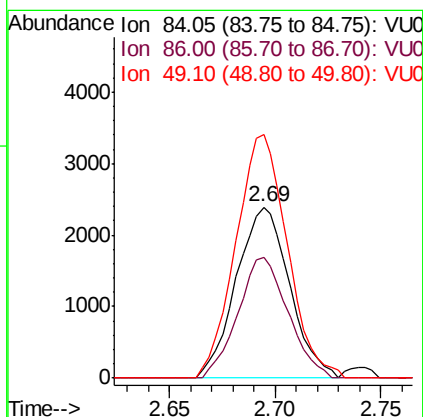
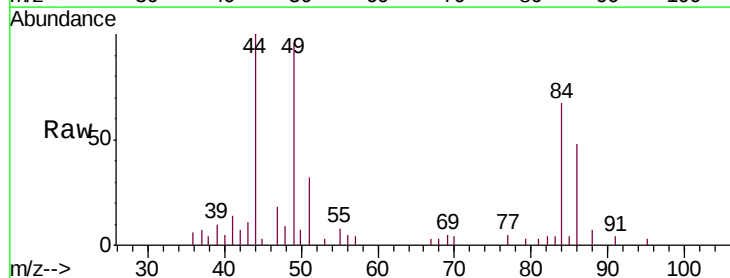
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.509

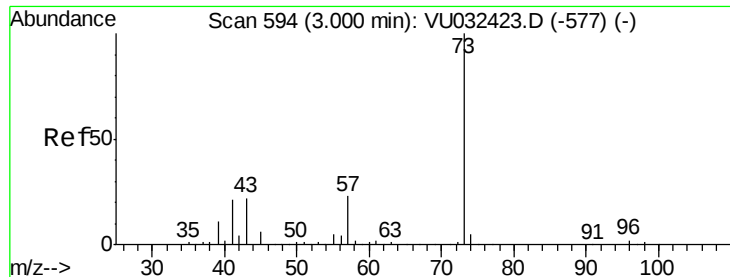
Tgt Ion: 43 Resp: 2535
Ion Ratio Lower Upper
43 100
74 17.4 17.8 26.8#



#16
Methylene chloride
Concen: 0.436 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032421.D
Acq: 04 Jun 2019 12:25

Tgt Ion: 84 Resp: 4192
Ion Ratio Lower Upper
84 100
86 70.8 47.2 87.6
49 142.6 95.9 178.1



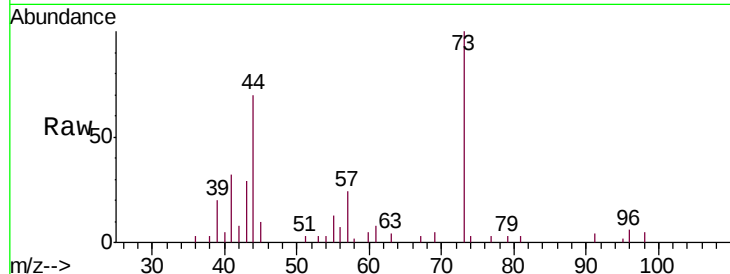


#17

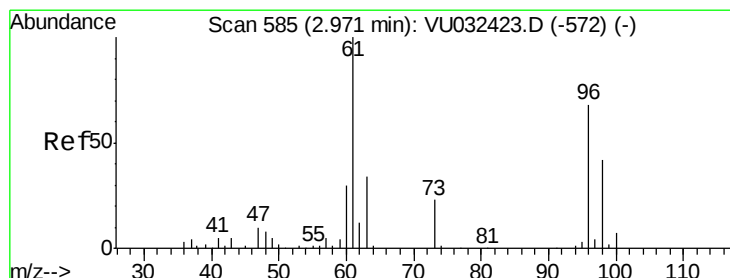
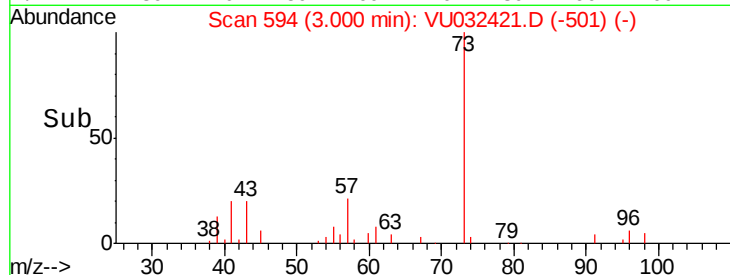
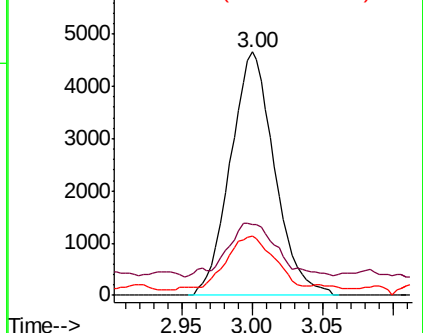
Methyl tert-butyl Ether
 Concen: 0.475 ug/L
 RT: 3.00 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: VU032421.D
 Acq: 04 Jun 2019 12:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.509

Tgt Ion: 73 Resp: 10178
 Ion Ratio Lower Upper
 73 100
 43 24.7 18.6 27.8
 57 22.6 18.3 27.5



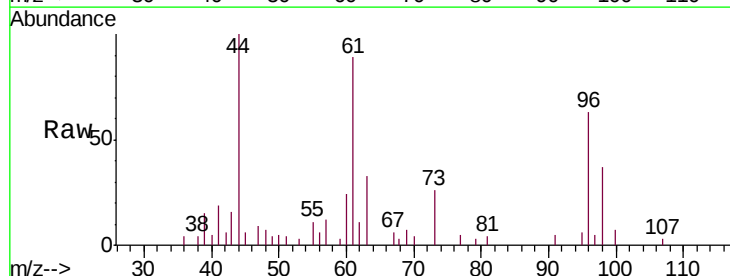
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



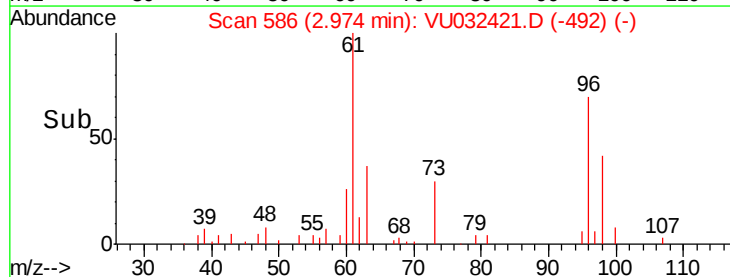
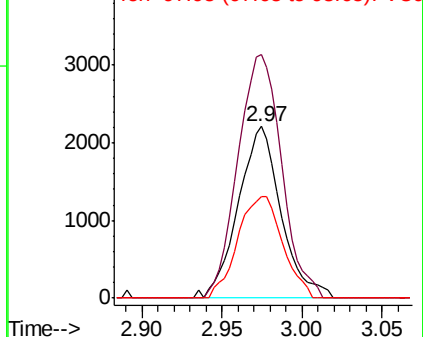
#18

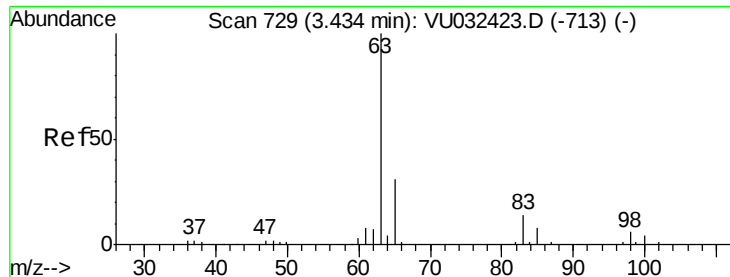
trans-1,2-Dichloroethene
 Concen: 0.485 ug/L
 RT: 2.97 min Scan# 586
 Delta R.T. 0.00 min
 Lab File: VU032421.D
 Acq: 04 Jun 2019 12:25

Tgt Ion: 96 Resp: 4039
 Ion Ratio Lower Upper
 96 100
 61 142.1 103.1 191.5
 98 59.3 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

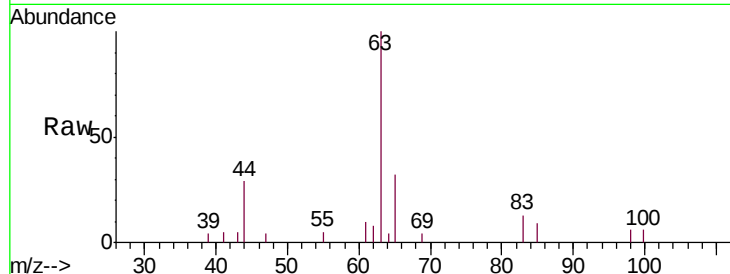




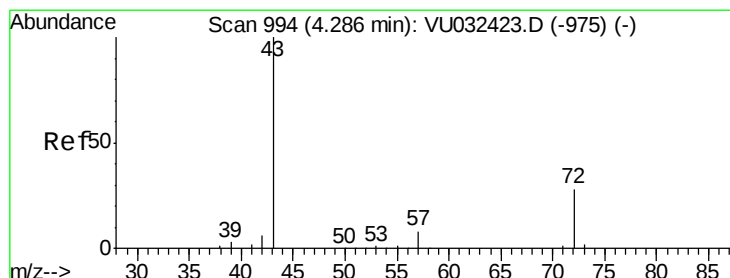
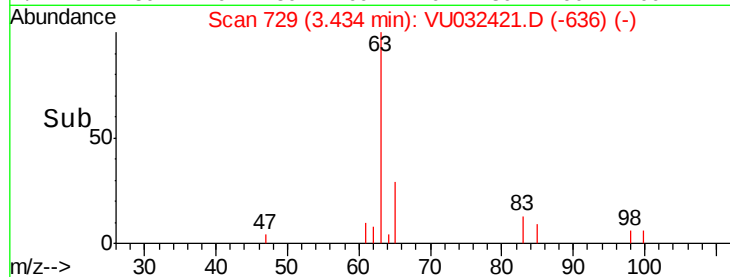
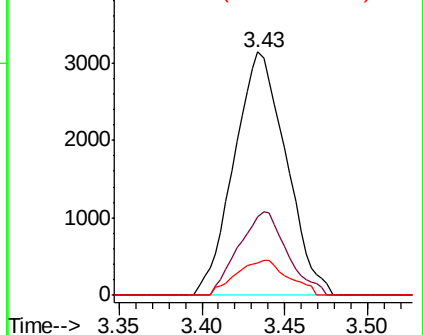
#19
 1,1-Dichloroethane
 Concen: 0.528 ug/L
 RT: 3.43 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VU032421.D
 Acq: 04 Jun 2019 12:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.509

Tgt Ion:	63	Resp:	6835
Ion	Ratio	Lower	Upper
63	100		
65	32.1	21.3	39.6
83	13.2	10.1	18.7

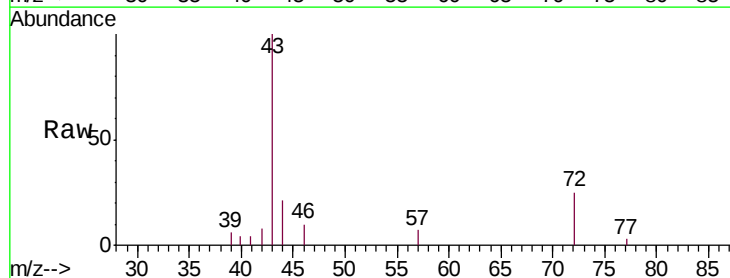


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

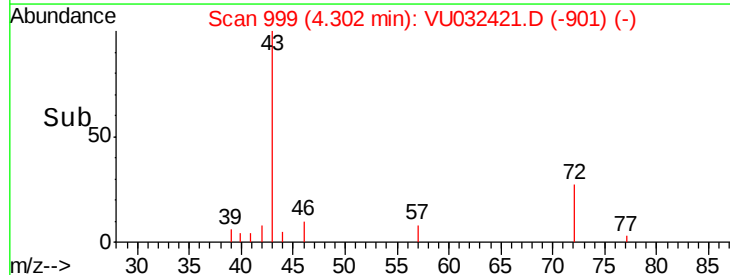
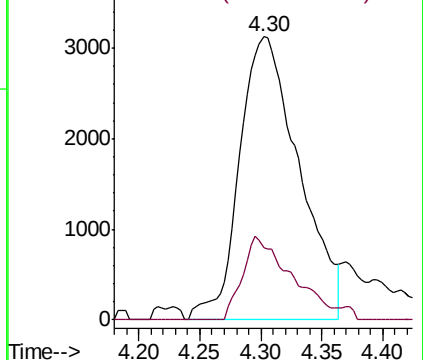


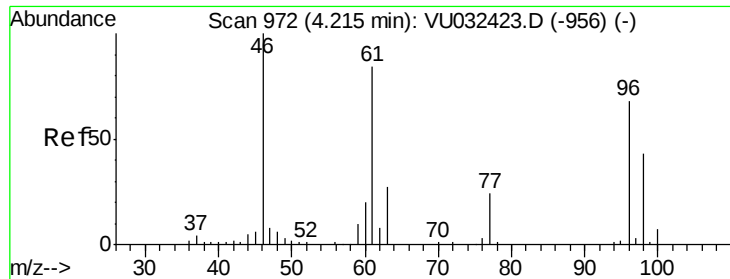
#21
 2-Butanone
 Concen: 5.016 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.02 min
 Lab File: VU032421.D
 Acq: 04 Jun 2019 12:25

Tgt Ion:	43	Resp:	10592
Ion	Ratio	Lower	Upper
43	100		
72	24.4	13.1	39.3



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



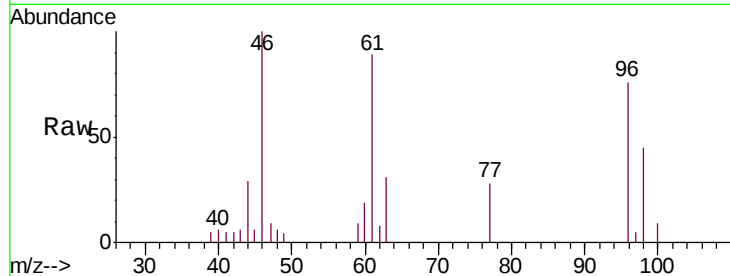


#22

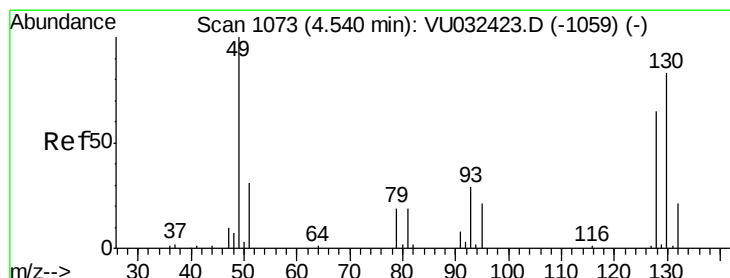
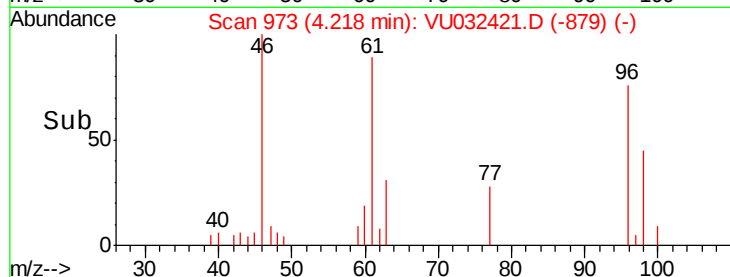
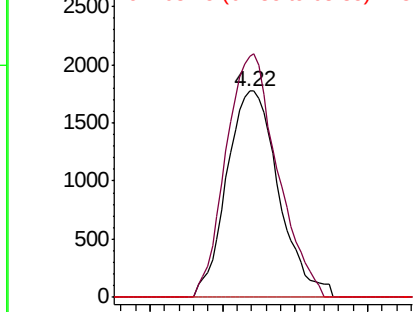
cis-1,2-Dichloroethene
Concen: 0.582 ug/L
RT: 4.22 min Scan# 973
Delta R.T. 0.00 min
Lab File: VU032421.D
Acq: 04 Jun 2019 12:25

Instrument :
MSVOA_U
ClientSampled :
VSTD0.509

Tgt Ion: 96 Resp: 4426
Ion Ratio Lower Upper
96 100
61 116.9 86.6 160.8
68 0.0 0.0 0.0



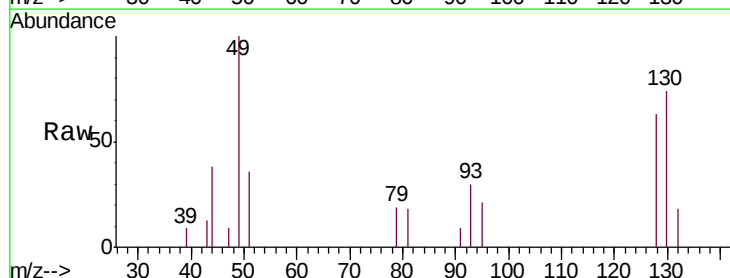
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



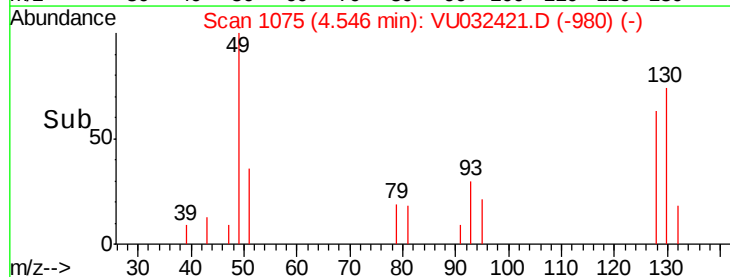
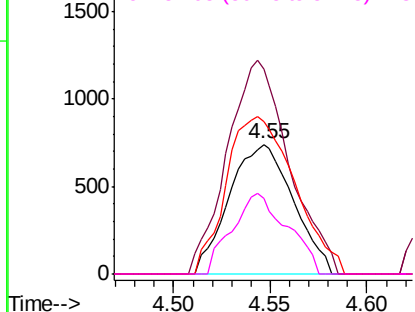
#23

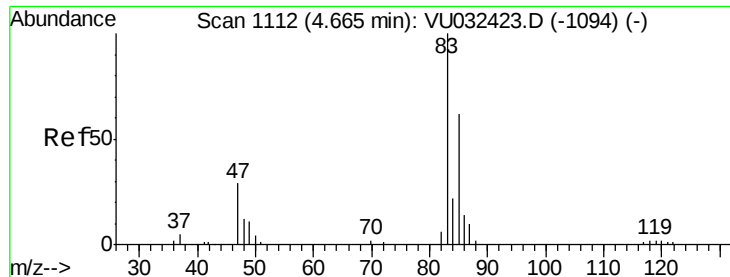
Bromochloromethane
Concen: 0.501 ug/L
RT: 4.55 min Scan# 1075
Delta R.T. 0.01 min
Lab File: VU032421.D
Acq: 04 Jun 2019 12:25

Tgt Ion: 128 Resp: 1702
Ion Ratio Lower Upper
128 100
49 158.7 107.8 200.2
130 117.6 89.3 165.9
51 57.9 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

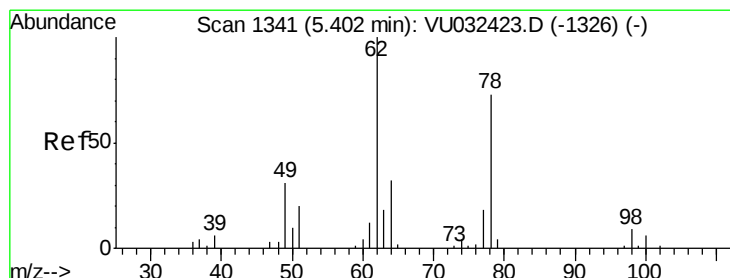
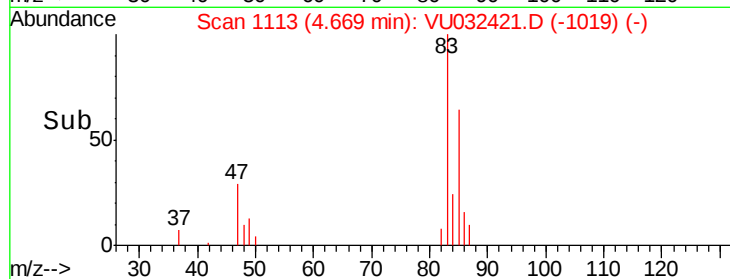
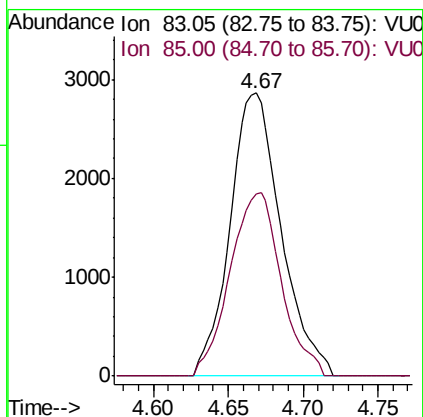
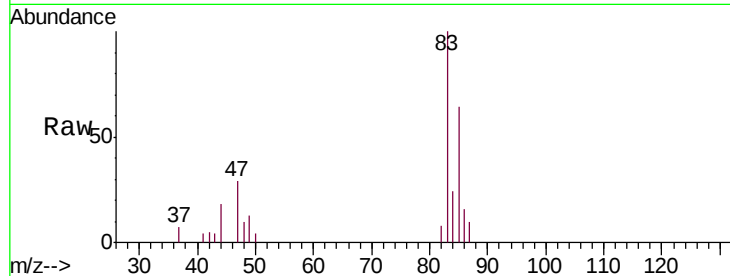




#25
Chloroform
Concen: 0.540 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU032421.D
Acq: 04 Jun 2019 12:25

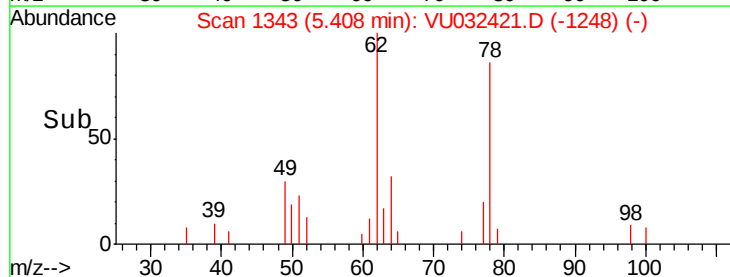
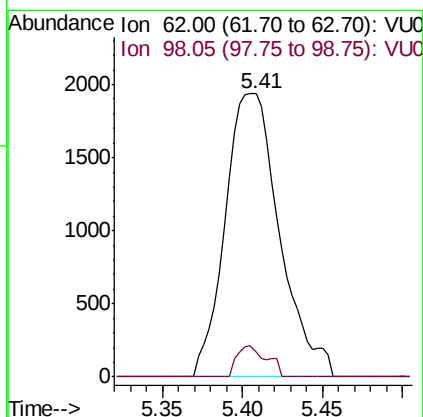
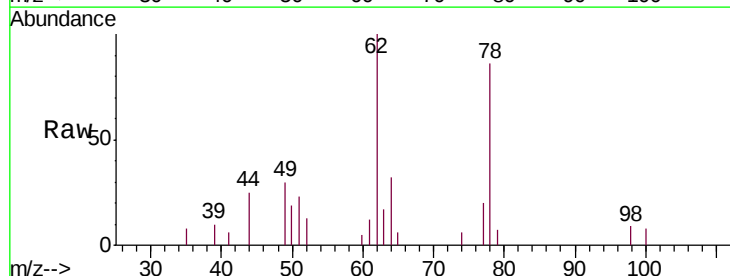
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.509

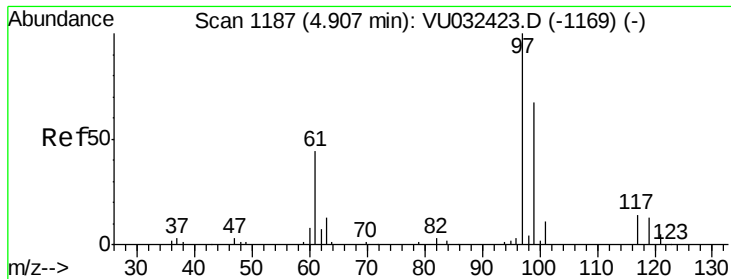
Tgt Ion: 83 Resp: 6808
Ion Ratio Lower Upper
83 100
85 64.3 43.8 81.3



#27
1,2-Dichloroethane
Concen: 0.557 ug/L
RT: 5.41 min Scan# 1343
Delta R.T. 0.01 min
Lab File: VU032421.D
Acq: 04 Jun 2019 12:25

Tgt Ion: 62 Resp: 4510
Ion Ratio Lower Upper
62 100
98 8.8 7.0 10.6

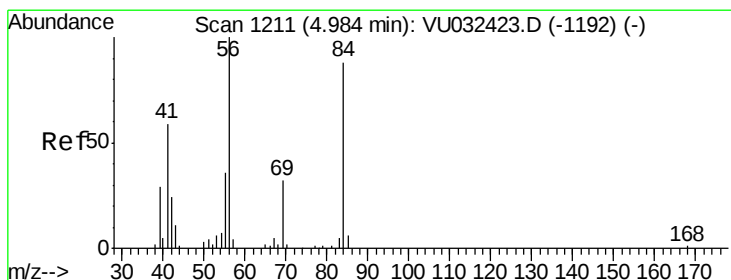
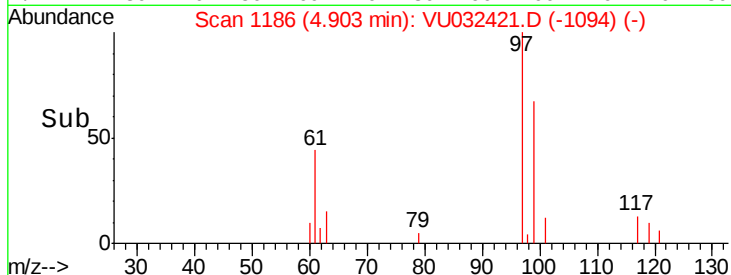
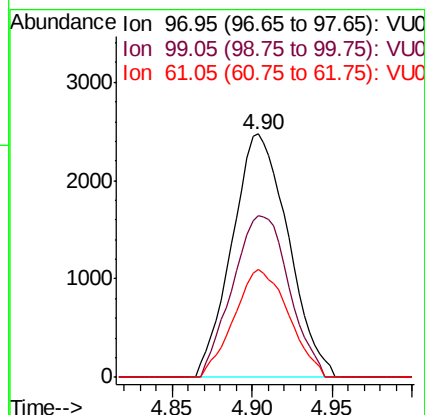
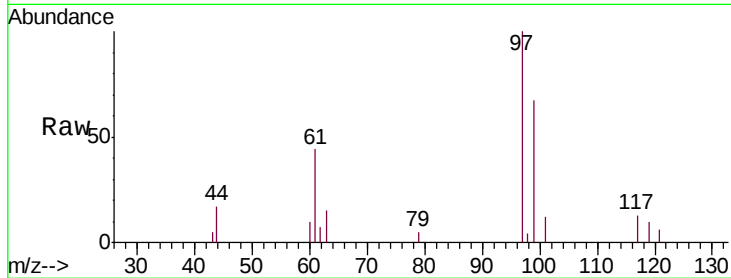




#29
 1,1,1-Trichloroethane
 Concen: 0.547 ug/L
 RT: 4.90 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VU032421.D
 Acq: 04 Jun 2019 12:25

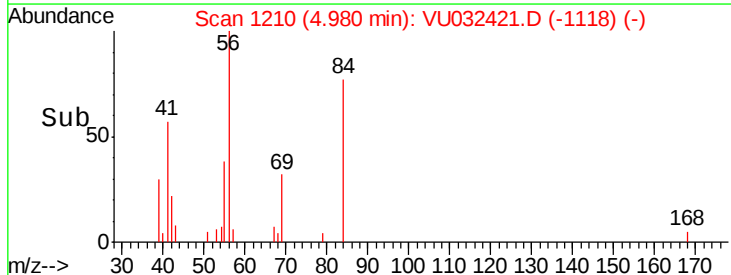
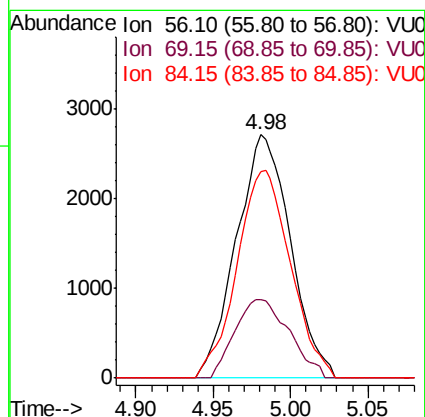
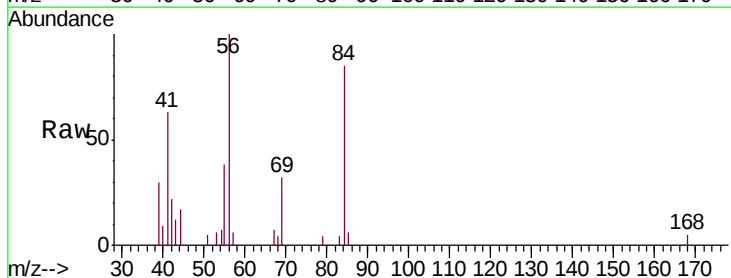
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.509

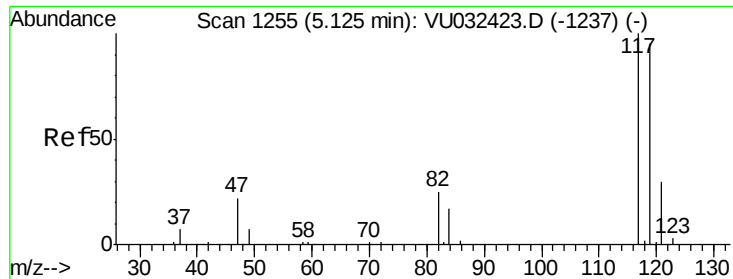
Tgt Ion: 97 Resp: 5961
 Ion Ratio Lower Upper
 97 100
 99 66.7 51.8 77.6
 61 43.0 34.7 52.1



#30
 Cyclohexane
 Concen: 0.526 ug/L
 RT: 4.98 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VU032421.D
 Acq: 04 Jun 2019 12:25

Tgt Ion: 56 Resp: 6597
 Ion Ratio Lower Upper
 56 100
 69 32.4 24.9 37.3
 84 84.2 70.2 105.2

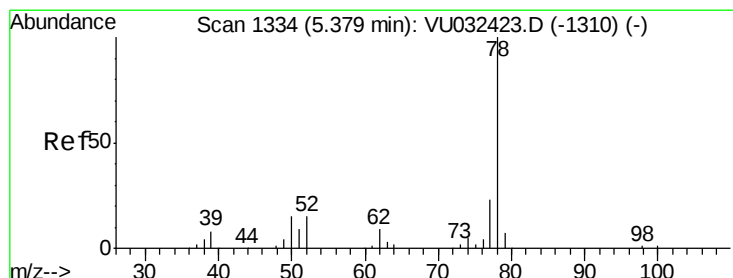
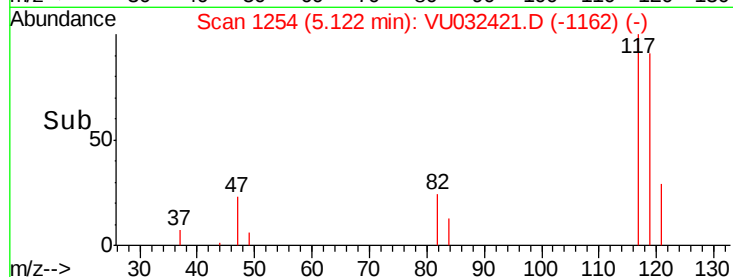
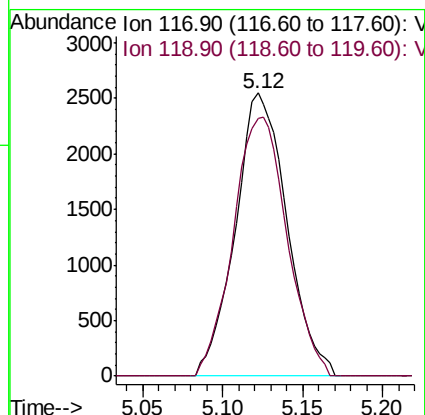
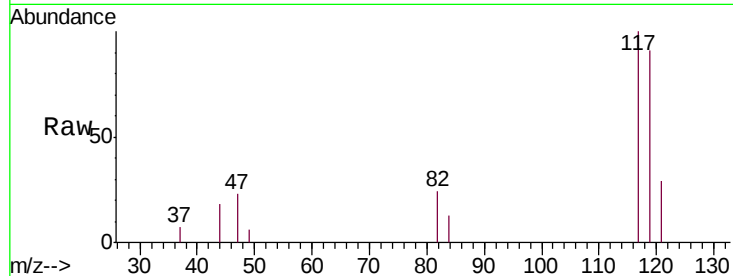




#31
Carbon tetrachloride
Concen: 0.584 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VU032421.D
Acq: 04 Jun 2019 12:25

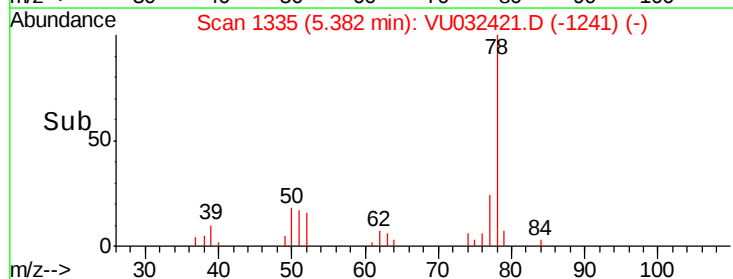
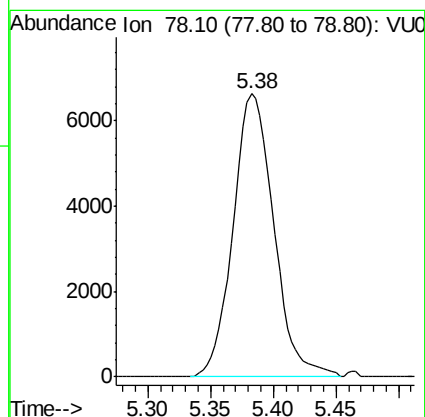
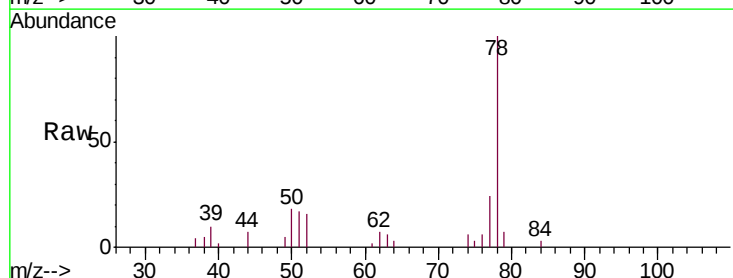
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.509

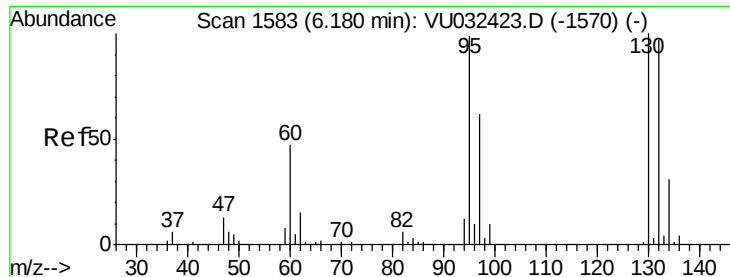
Tgt Ion:117 Resp: 5608
Ion Ratio Lower Upper
117 100
119 95.5 77.8 116.6



#33
Benzene
Concen: 0.525 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU032421.D
Acq: 04 Jun 2019 12:25

Tgt Ion: 78 Resp: 14977





#34

Trichloroethene

Concen: 0.585 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU032421.D

Acq: 04 Jun 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.509

Tgt Ion: 95 Resp: 4637

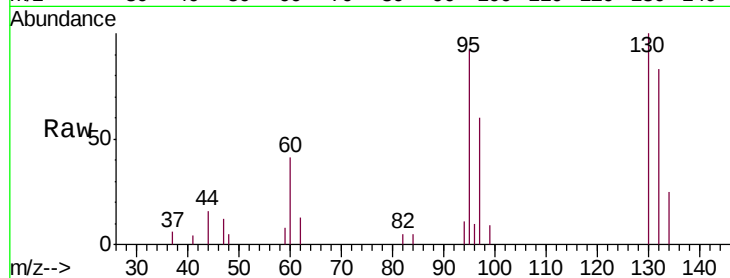
Ion Ratio Lower Upper

95 100

97 65.4 44.1 81.9

132 90.6 68.8 127.8

130 108.9 71.0 131.8

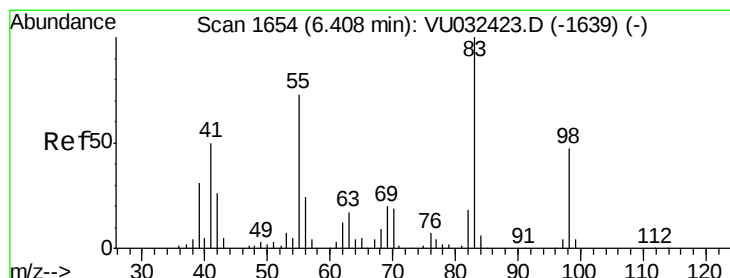
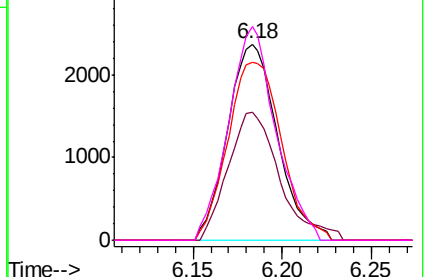
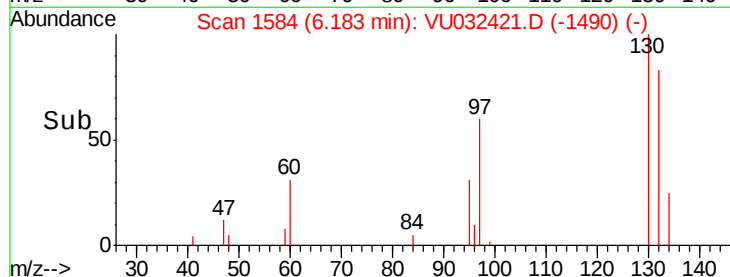


Abundance Ion 95.00 (94.70 to 95.70): VU032421.D (-1570) (-)

Ion 96.95 (96.65 to 97.65): VU032421.D (-1570) (-)

Ion 131.95 (131.65 to 132.65): VU032421.D (-1570) (-)

Ion 129.95 (129.65 to 130.65): VU032421.D (-1570) (-)



#35

Methylcyclohexane

Concen: 0.592 ug/L

RT: 6.40 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VU032421.D

Acq: 04 Jun 2019 12:25

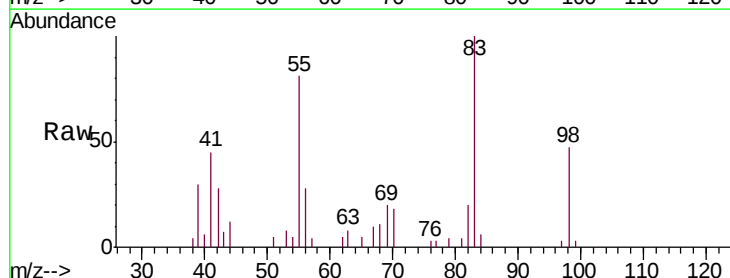
Tgt Ion: 83 Resp: 7072

Ion Ratio Lower Upper

83 100

55 74.5 60.0 90.0

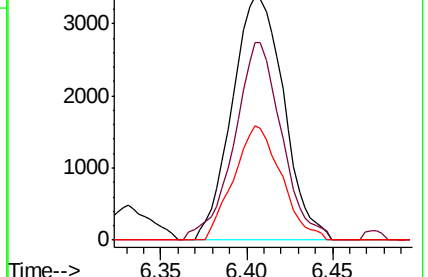
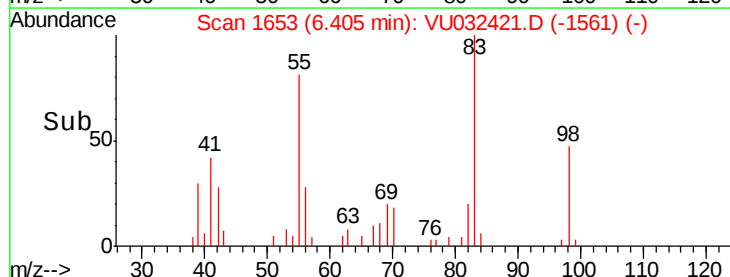
98 43.2 37.8 56.8

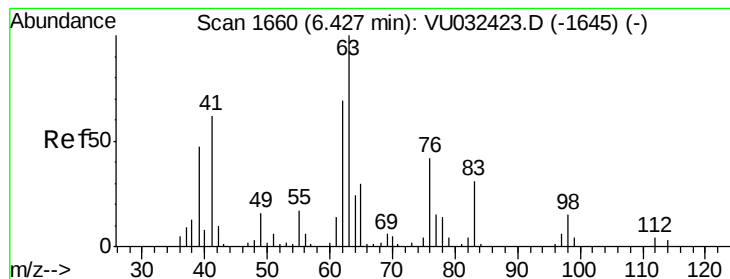


Abundance Ion 83.15 (82.85 to 83.85): VU032421.D (-1561) (-)

Ion 55.10 (54.80 to 55.80): VU032421.D (-1561) (-)

Ion 98.15 (97.85 to 98.85): VU032421.D (-1561) (-)





#37

1,2-Dichloropropane

Concen: 0.527 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VU032421.D

Acq: 04 Jun 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

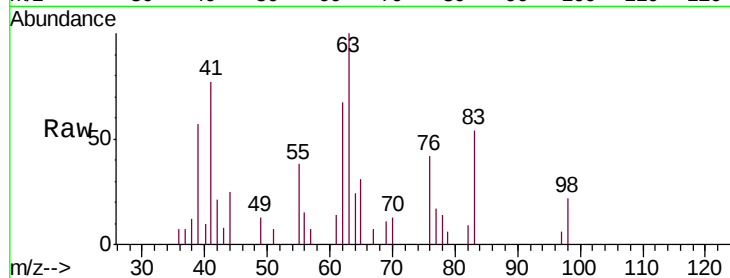
VSTD0.509

Tgt Ion: 63 Resp: 3949

Ion Ratio Lower Upper

63 100

112 0.0 2.9 4.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

6.43

2000

1500

1000

500

0

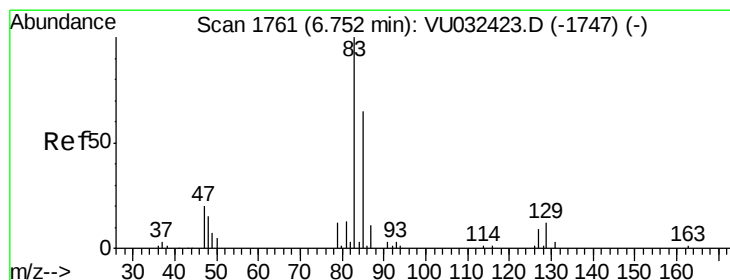
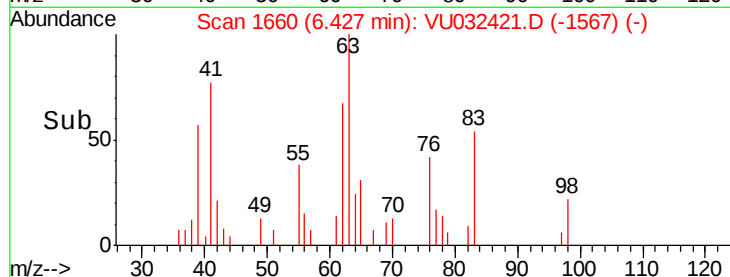
6.35

6.40

6.45

6.50

Time-->



#38

Bromodichloromethane

Concen: 0.529 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU032421.D

Acq: 04 Jun 2019 12:25

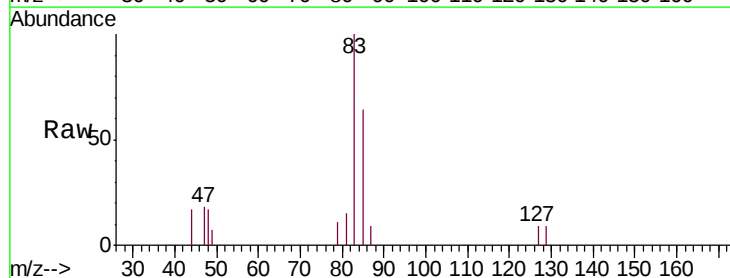
Tgt Ion: 83 Resp: 4788

Ion Ratio Lower Upper

83 100

85 63.7 45.2 84.0

127 9.4 7.4 11.2



Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V

3000

2500

2000

1500

1000

500

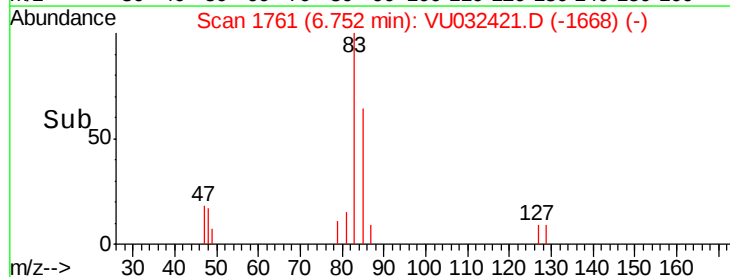
0

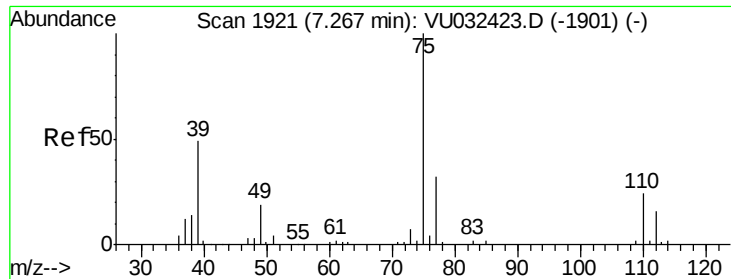
6.70

6.75

6.80

Time-->

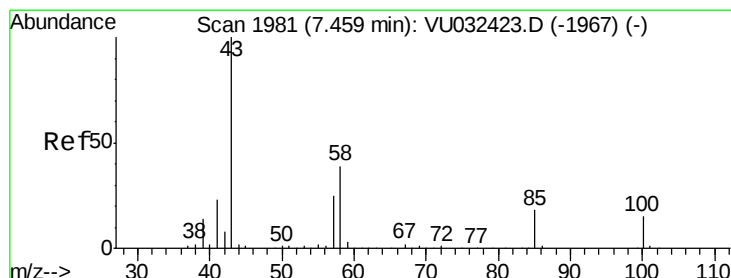
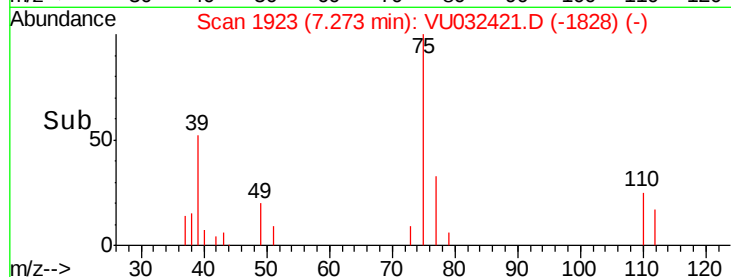
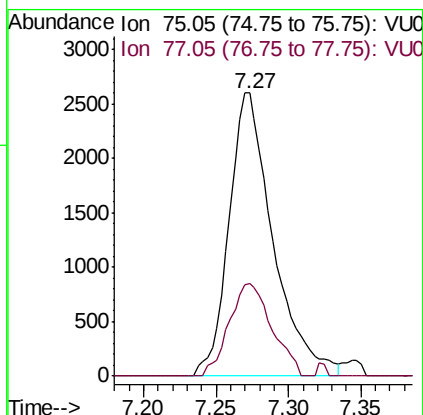
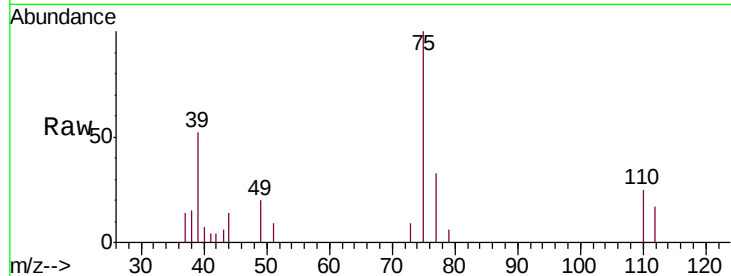




#39
 cis-1,3-Dichloropropene
 Concen: 0.509 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VU032421.D
 Acq: 04 Jun 2019 12:25

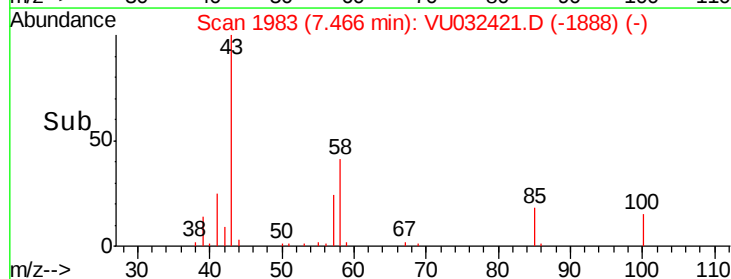
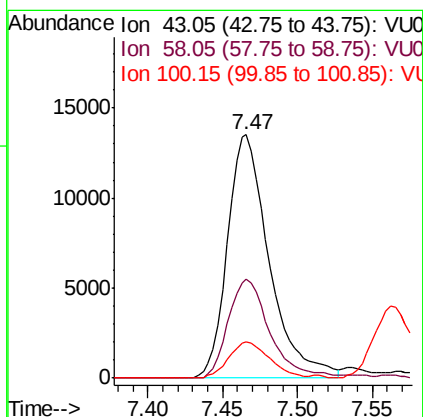
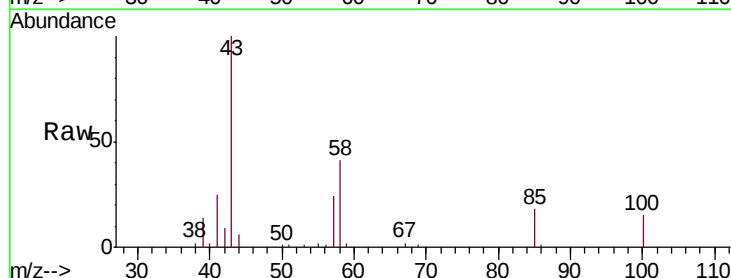
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.509

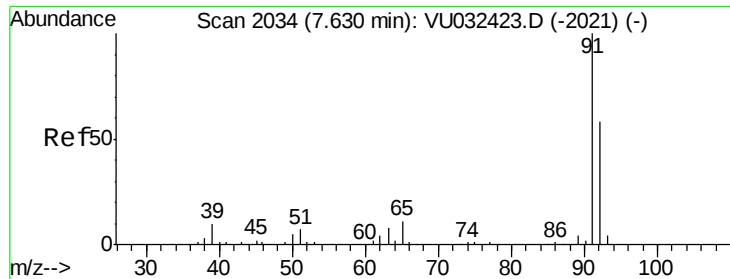
Tgt Ion: 75 Resp: 5499
 Ion Ratio Lower Upper
 75 100
 77 32.6 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 5.264 ug/L
 RT: 7.47 min Scan# 1983
 Delta R.T. 0.01 min
 Lab File: VU032421.D
 Acq: 04 Jun 2019 12:25

Tgt Ion: 43 Resp: 26268
 Ion Ratio Lower Upper
 43 100
 58 41.0 30.9 46.3
 100 14.5 11.9 17.9





#42

Toluene

Concen: 0.542 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.01 min

Lab File: VU032421.D

Acq: 04 Jun 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

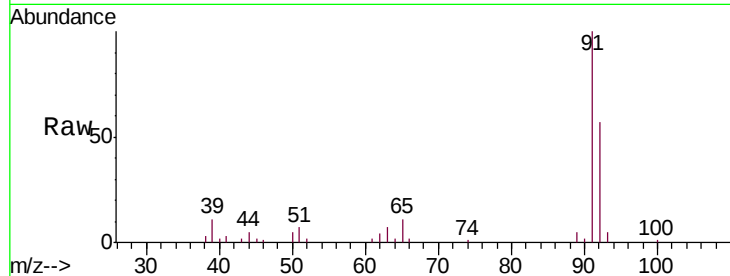
VSTD0.509

Tgt Ion: 91 Resp: 16757

Ion Ratio Lower Upper

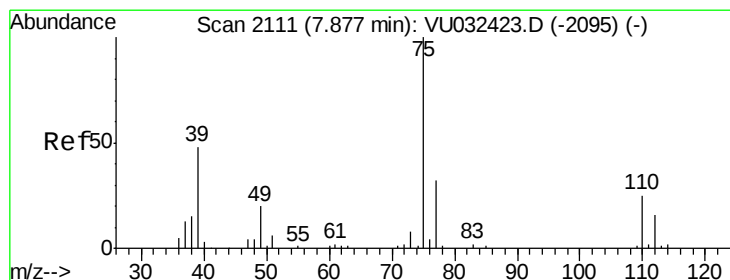
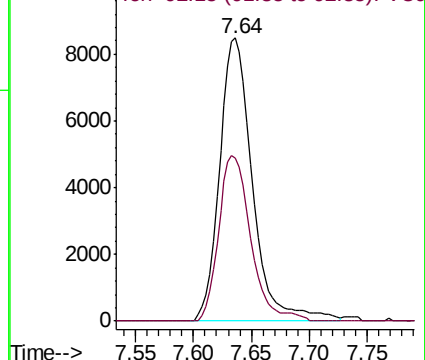
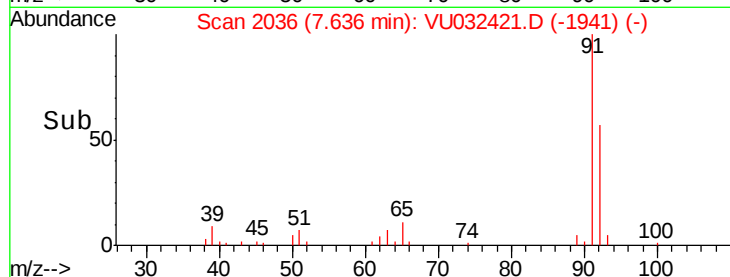
91 100

92 57.4 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU032421.D (-1941) (-)

Ion 92.15 (91.85 to 92.85): VU032421.D (-1941) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.525 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.01 min

Lab File: VU032421.D

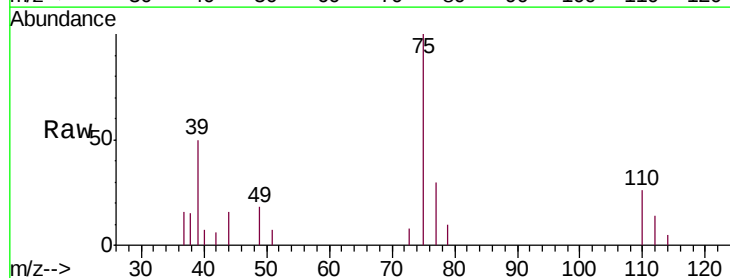
Acq: 04 Jun 2019 12:25

Tgt Ion: 75 Resp: 4418

Ion Ratio Lower Upper

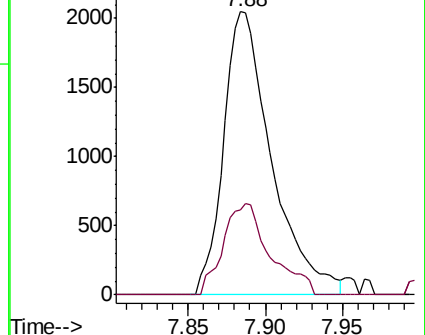
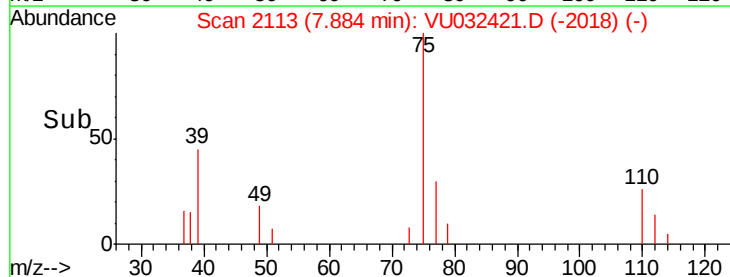
75 100

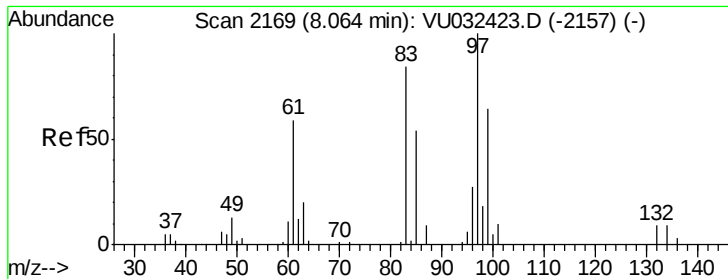
77 30.2 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU032421.D (-2018) (-)

Ion 77.05 (76.75 to 77.75): VU032421.D (-2018) (-)

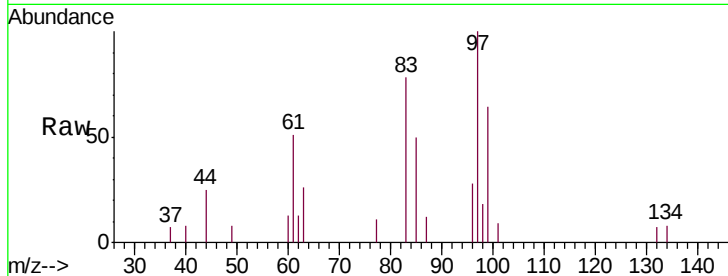




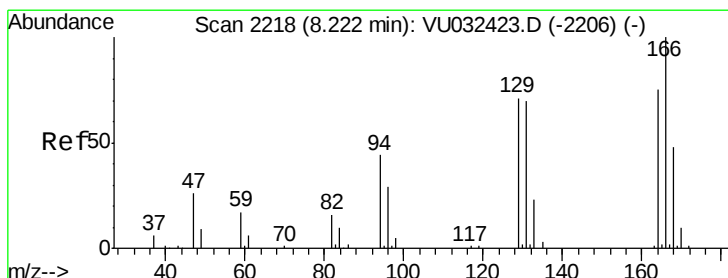
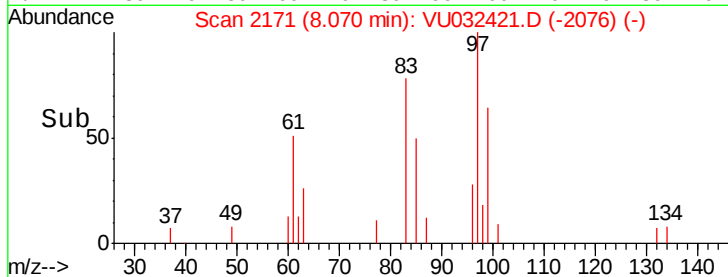
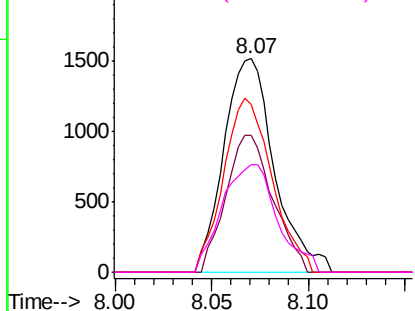
#45
 1,1,2-Trichloroethane
 Concen: 0.528 ug/L
 RT: 8.07 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VU032421.D
 Acq: 04 Jun 2019 12:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.509

Tgt Ion:	97	Resp:	2760
Ion	Ratio	Lower	Upper
97	100		
99	63.9	44.9	83.3
83	78.4	58.7	108.9
85	50.5	37.9	70.5

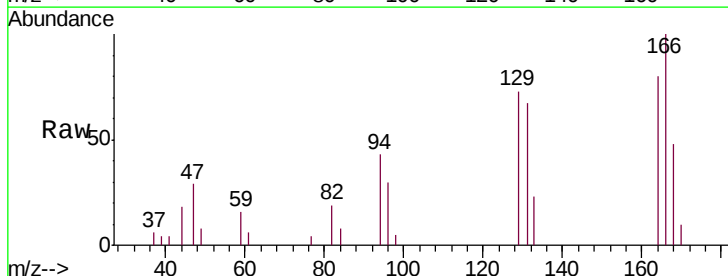


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

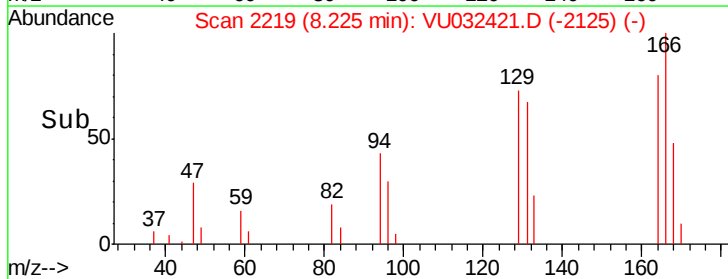
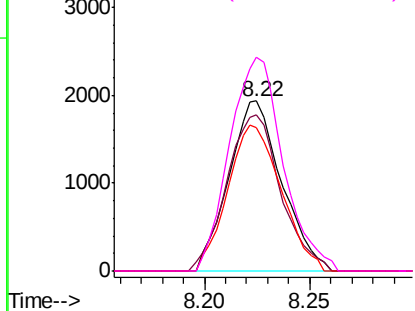


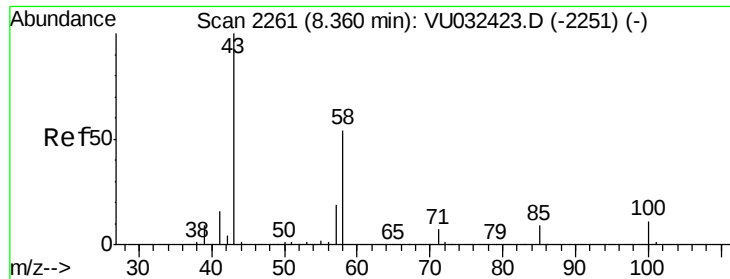
#47
 Tetrachloroethene
 Concen: 0.556 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU032421.D
 Acq: 04 Jun 2019 12:25

Tgt Ion:	164	Resp:	3370
Ion	Ratio	Lower	Upper
164	100		
129	92.0	66.1	122.7
131	84.5	65.6	121.8
166	125.7	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

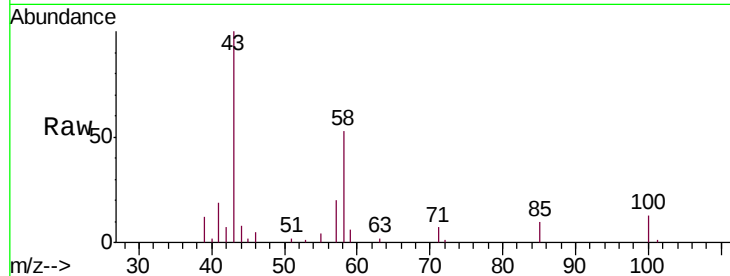




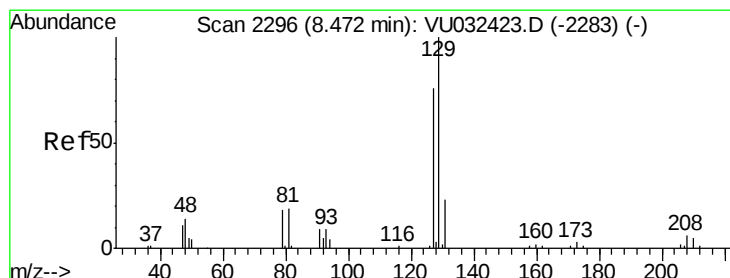
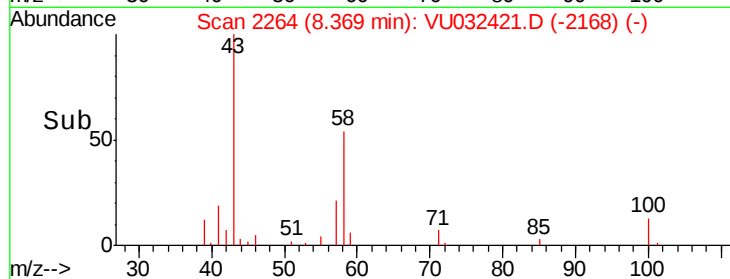
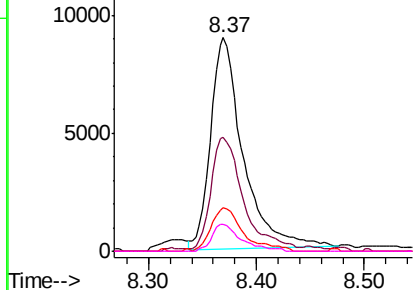
#48
2-Hexanone
Concen: 5.370 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU032421.D
Acq: 04 Jun 2019 12:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.509

Tgt Ion: 43 Resp: 18680
Ion Ratio Lower Upper
43 100
58 52.3 41.9 62.9
57 20.5 15.1 22.7
100 11.8 9.0 13.6

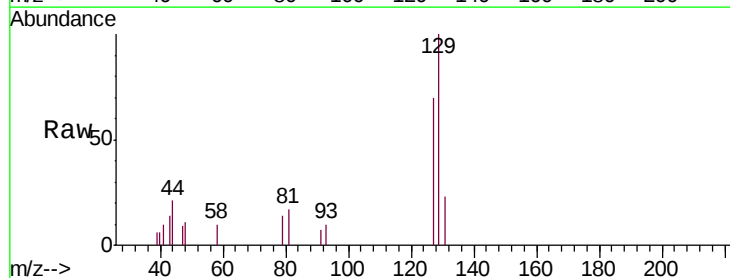


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

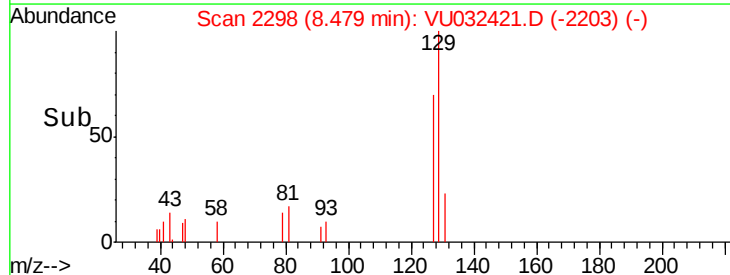
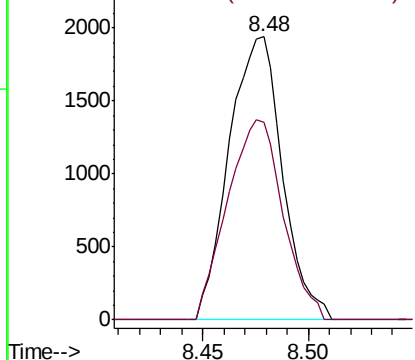


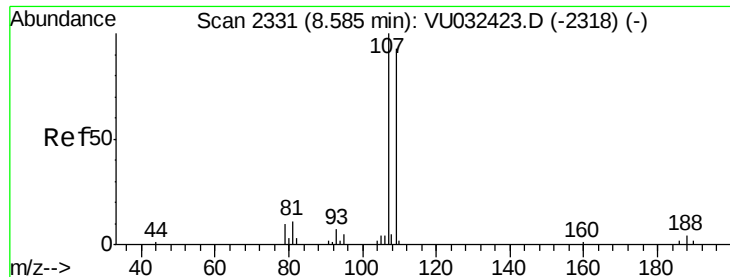
#49
Dibromochloromethane
Concen: 0.538 ug/L
RT: 8.48 min Scan# 2298
Delta R.T. 0.01 min
Lab File: VU032421.D
Acq: 04 Jun 2019 12:25

Tgt Ion: 129 Resp: 3405
Ion Ratio Lower Upper
129 100
127 69.7 53.3 98.9



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

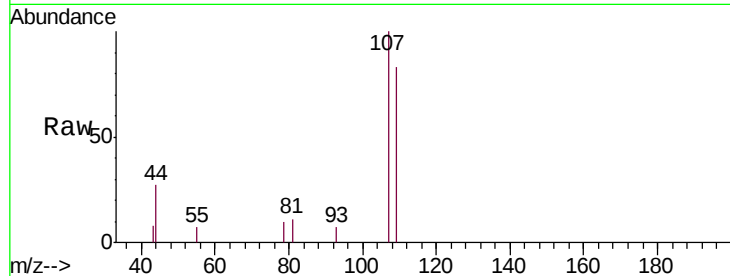




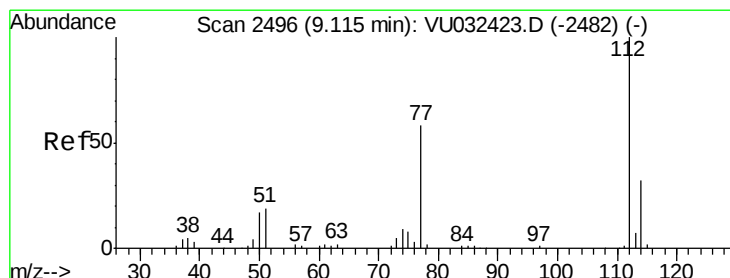
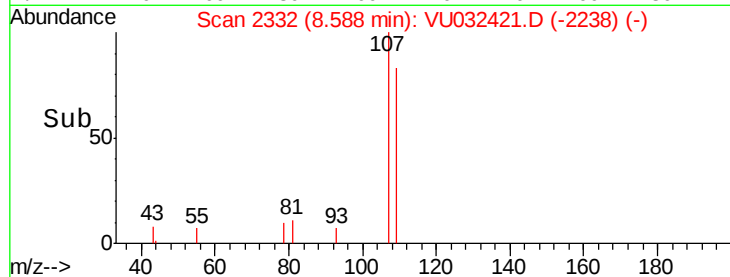
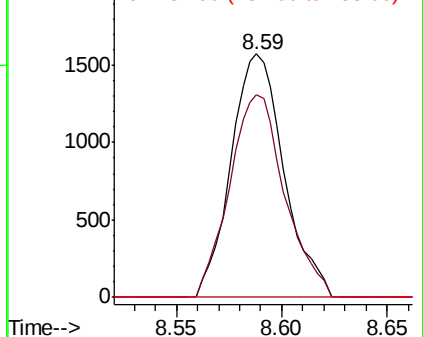
#50
1,2-Dibromoethane
Concen: 0.540 ug/L
RT: 8.59 min Scan# 2332
Delta R.T. 0.00 min
Lab File: VU032421.D
Acq: 04 Jun 2019 12:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.509

Tgt Ion:107 Resp: 2740
Ion Ratio Lower Upper
107 100
109 83.1 65.2 121.0
188 0.0 3.1 4.7#

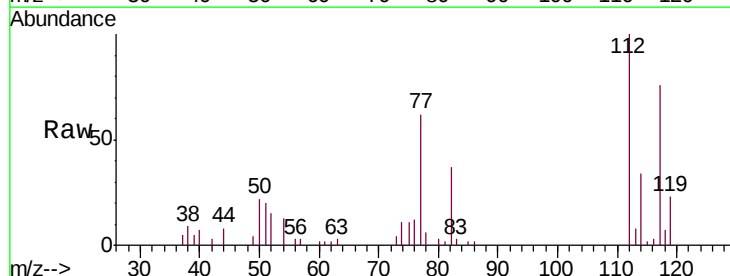


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

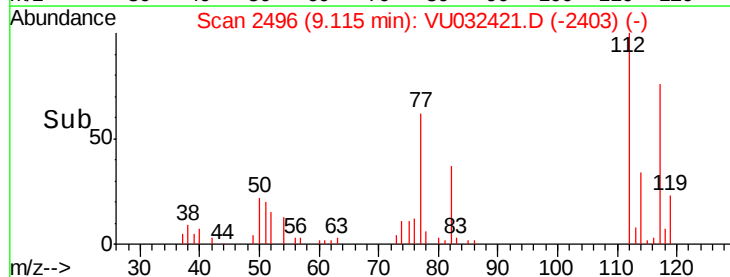
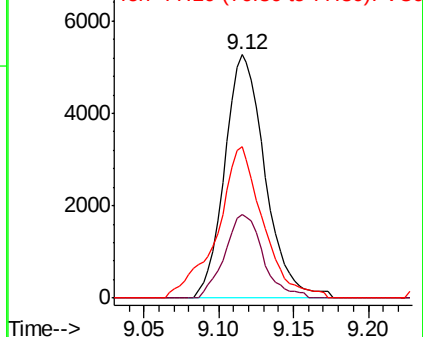


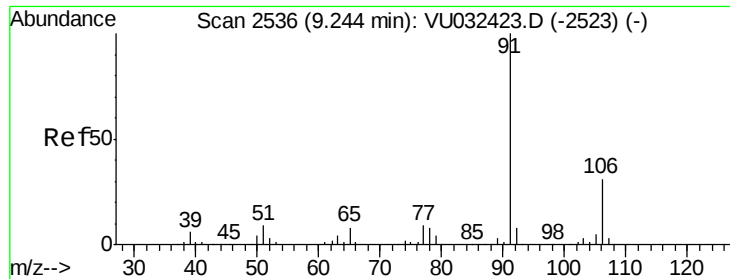
#51
Chlorobenzene
Concen: 0.518 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU032421.D
Acq: 04 Jun 2019 12:25

Tgt Ion:112 Resp: 9906
Ion Ratio Lower Upper
112 100
114 34.4 22.4 41.6
77 62.4 46.5 69.7



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: 0.549 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU032421.D

Acq: 04 Jun 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

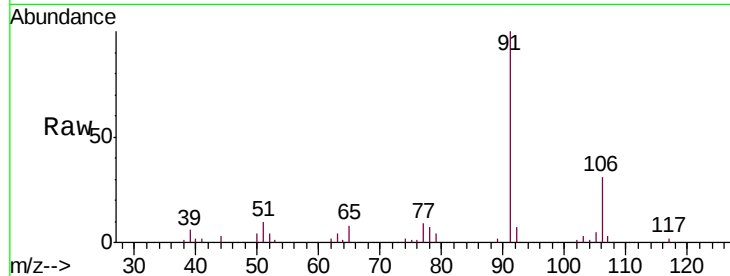
VSTD0.509

Tgt Ion: 91 Resp: 18116

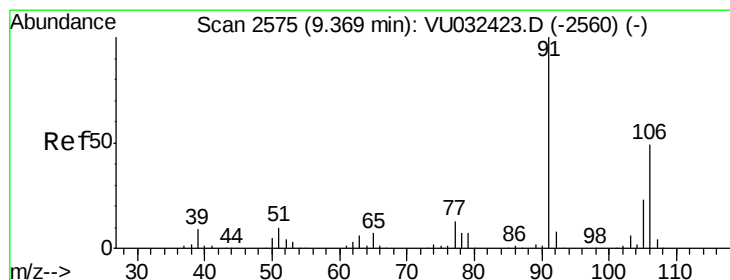
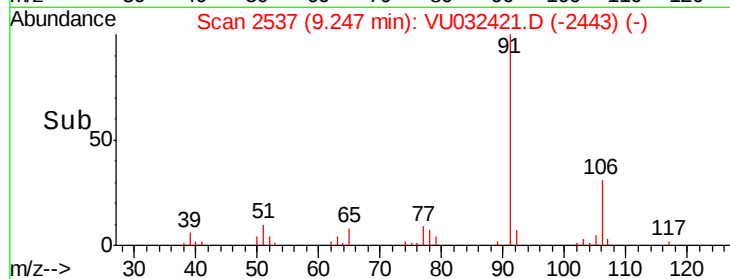
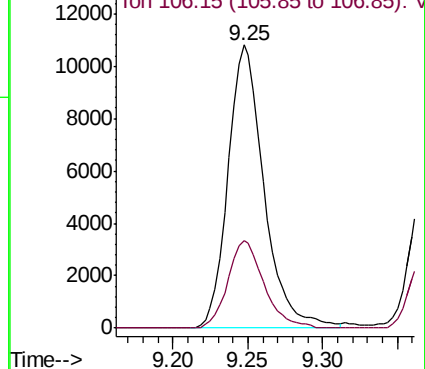
Ion Ratio Lower Upper

91 100

106 31.0 21.8 40.6



Abundance Ion 91.15 (90.85 to 91.85): VU032421.D (-2523) (-)



#53

m,p-Xylene

Concen: 0.529 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU032421.D

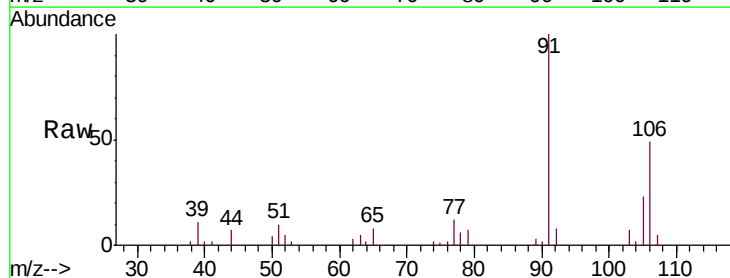
Acq: 04 Jun 2019 12:25

Tgt Ion: 106 Resp: 6614

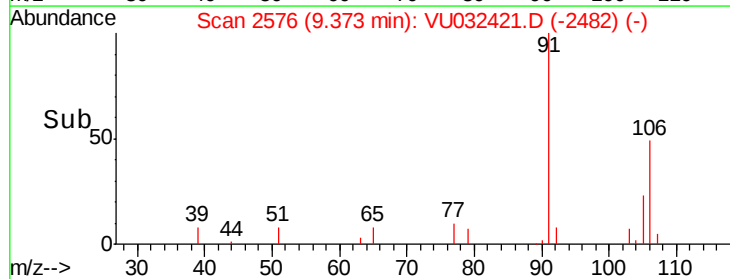
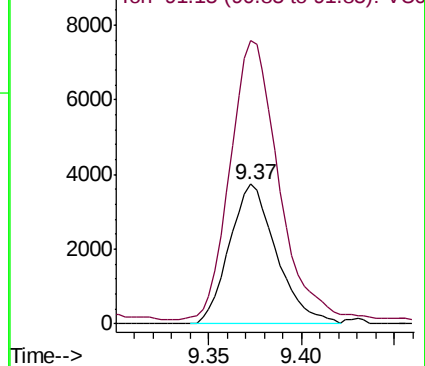
Ion Ratio Lower Upper

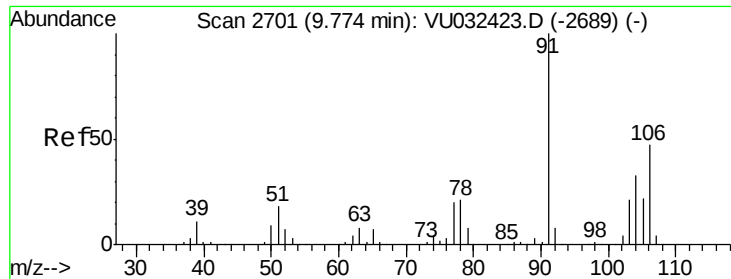
106 100

91 202.4 142.4 264.4



Abundance Ion 106.15 (105.85 to 106.85): VU032421.D (-2560) (-)

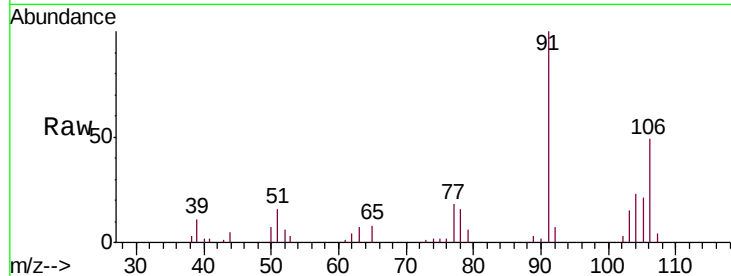




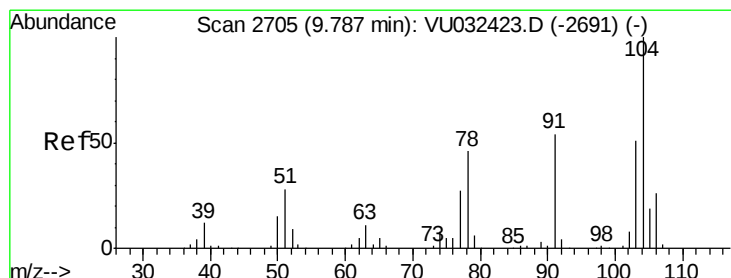
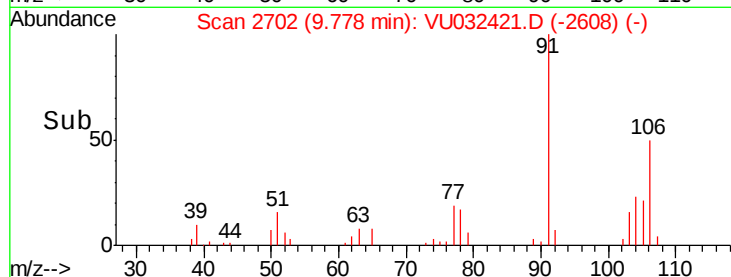
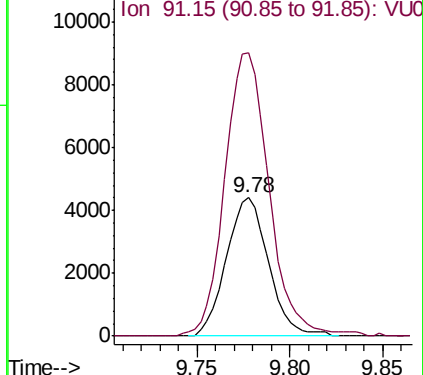
#54
o-Xylene
Concen: 0.570 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU032421.D
Acq: 04 Jun 2019 12:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.509

Tgt Ion:106 Resp: 6942
Ion Ratio Lower Upper
106 100
91 204.3 148.8 276.4

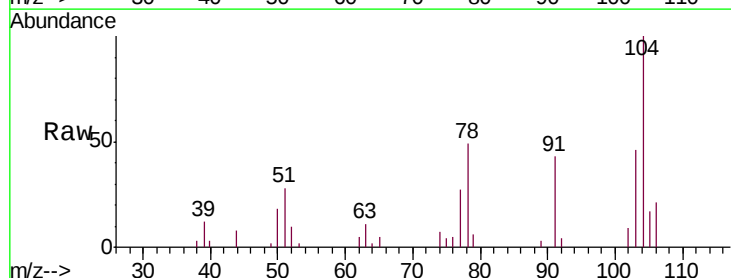


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

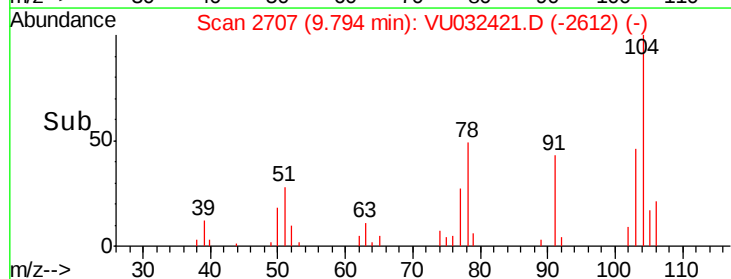
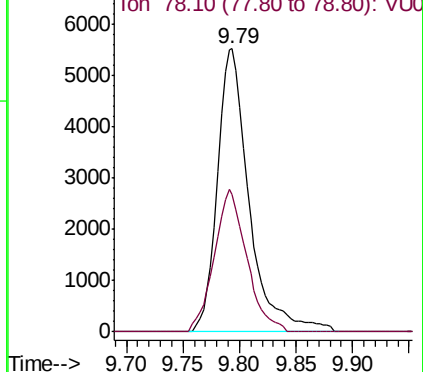


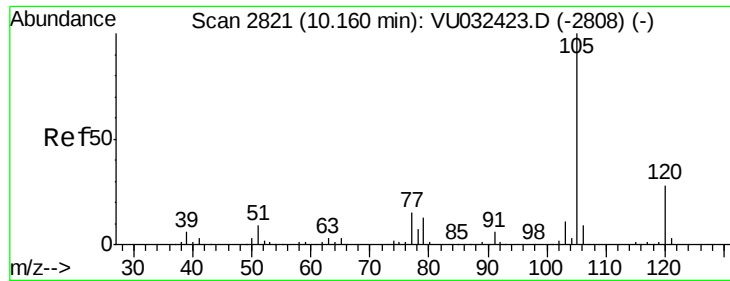
#55
Styrene
Concen: 0.531 ug/L
RT: 9.79 min Scan# 2707
Delta R.T. 0.01 min
Lab File: VU032421.D
Acq: 04 Jun 2019 12:25

Tgt Ion:104 Resp: 10789
Ion Ratio Lower Upper
104 100
78 48.7 32.2 59.8



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





#56

Isopropylbenzene

Concen: 0.572 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU032421.D

Acq: 04 Jun 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.509

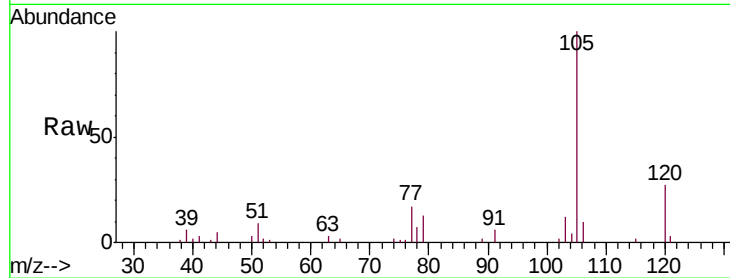
Tgt Ion: 105 Resp: 18233

Ion Ratio Lower Upper

105 100

120 25.6 21.6 32.4

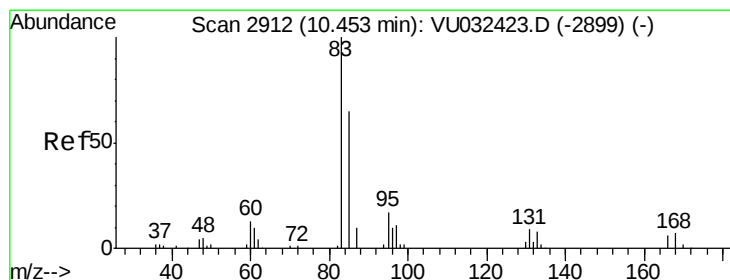
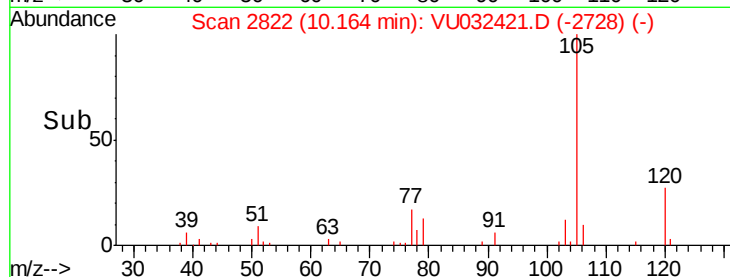
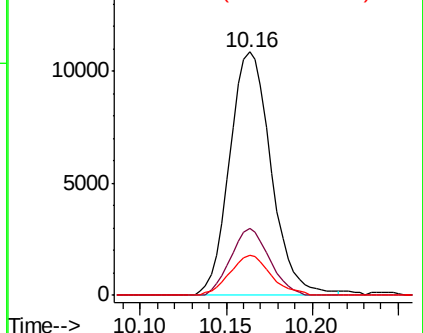
77 16.2 12.3 18.5



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: 0.529 ug/L

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU032421.D

Acq: 04 Jun 2019 12:25

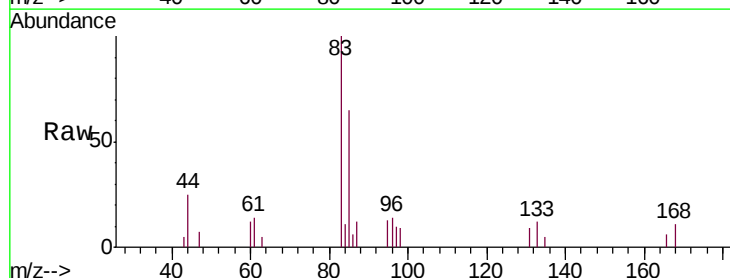
Tgt Ion: 83 Resp: 3500

Ion Ratio Lower Upper

83 100

85 64.9 45.7 84.9

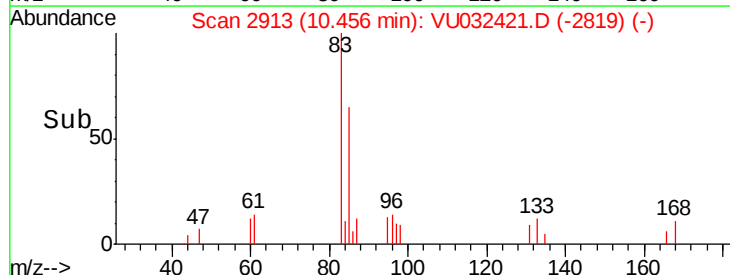
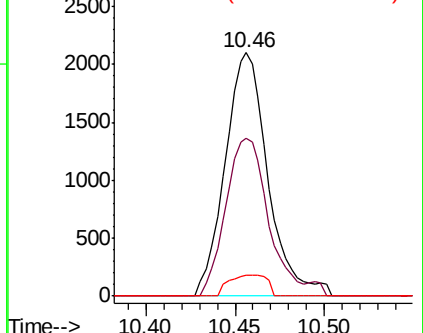
131 8.6 8.0 12.0

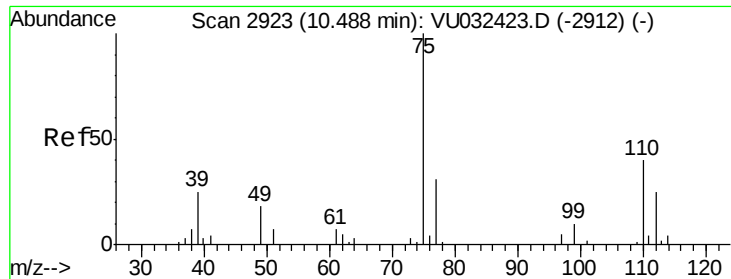


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

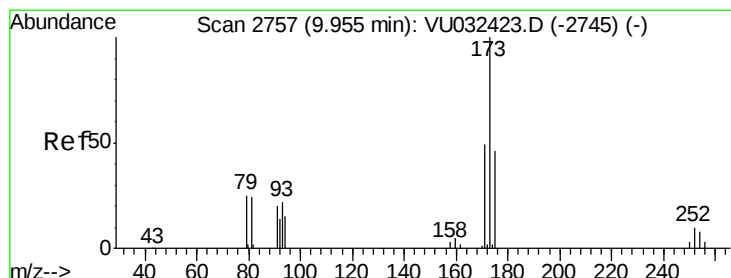
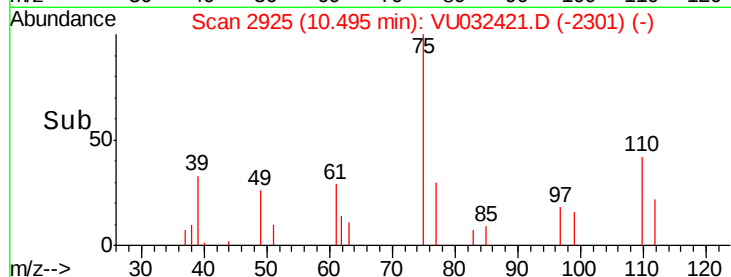
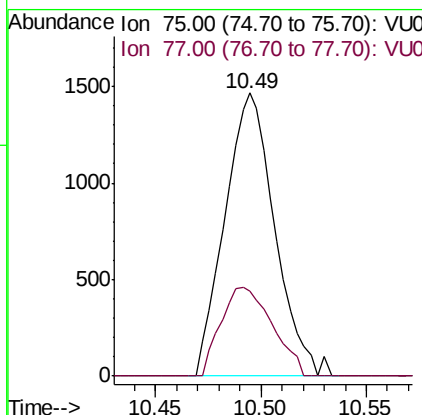
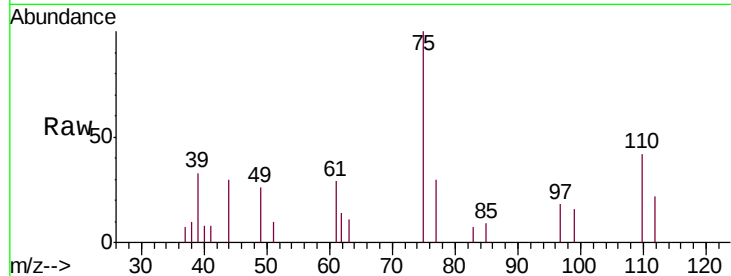




#59
 1,2,3-Trichloropropane
 Concen: 0.514 ug/L
 RT: 10.49 min Scan# 2925
 Delta R.T. 0.01 min
 Lab File: VU032421.D
 Acq: 04 Jun 2019 12:25

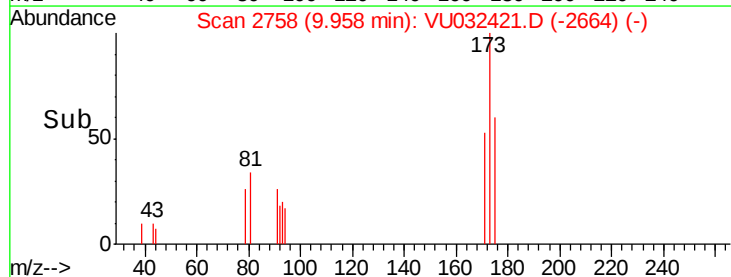
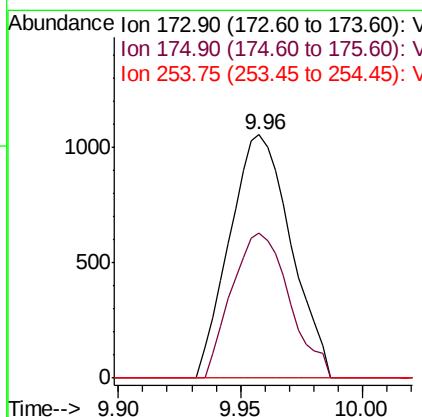
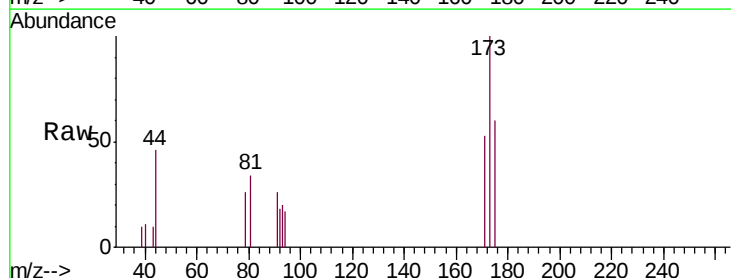
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.509

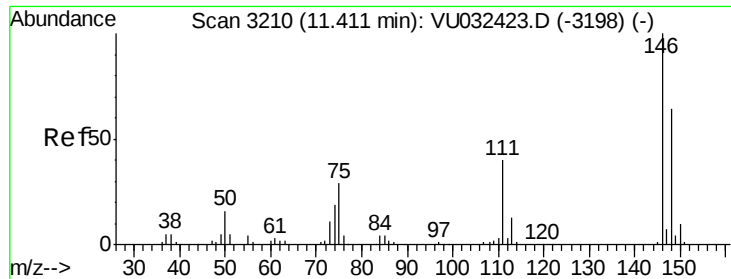
Tgt Ion: 75 Resp: 2398
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.3 37.9



#61
 Bromoform
 Concen: 0.477 ug/L
 RT: 9.96 min Scan# 2758
 Delta R.T. 0.00 min
 Lab File: VU032421.D
 Acq: 04 Jun 2019 12:25

Tgt Ion: 173 Resp: 1836
 Ion Ratio Lower Upper
 173 100
 175 56.2 37.9 56.9
 254 0.0 6.8 10.2#

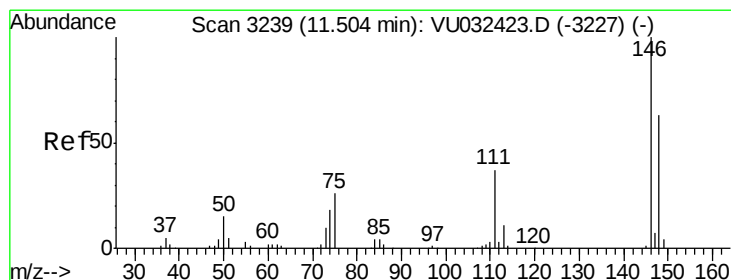
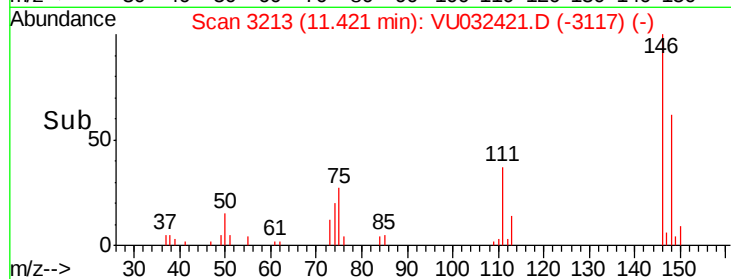
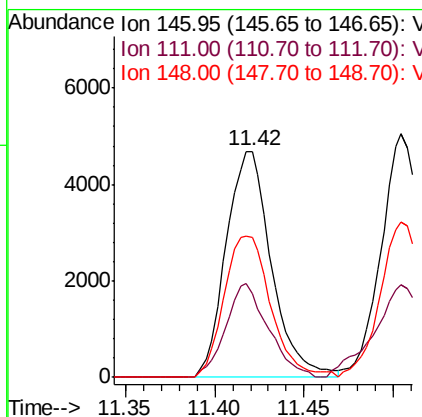
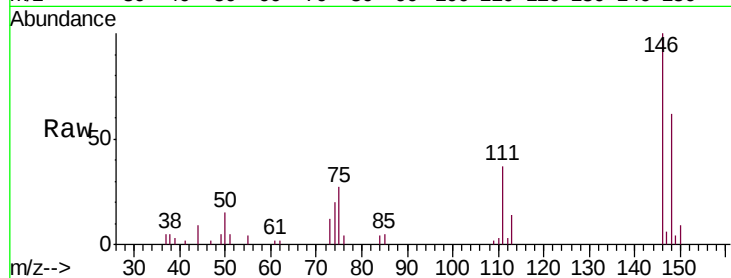




#62
 1,3-Dichlorobenzene
 Concen: 0.553 ug/L
 RT: 11.42 min Scan# 3213
 Delta R.T. 0.01 min
 Lab File: VU032421.D
 Acq: 04 Jun 2019 12:25

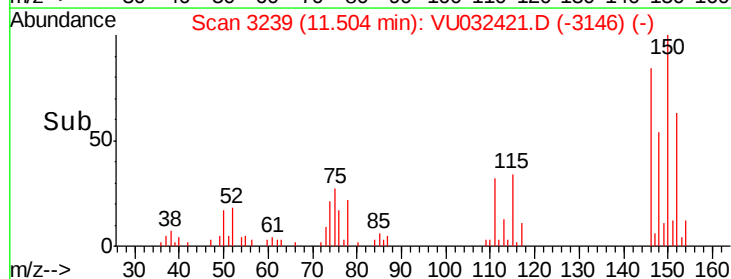
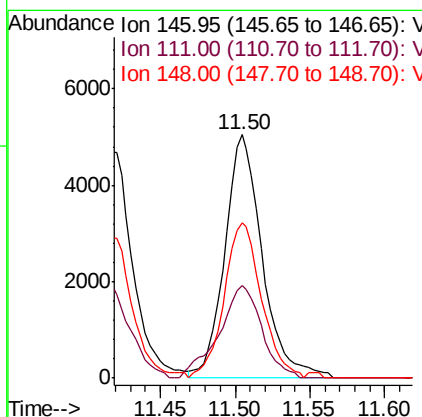
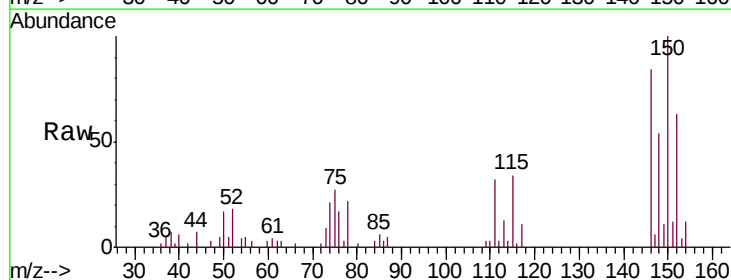
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.509

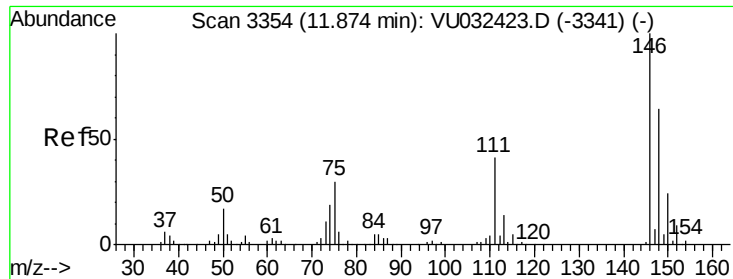
Tgt Ion:146 Resp: 8273
 Ion Ratio Lower Upper
 146 100
 111 37.2 27.7 51.5
 148 61.8 44.7 83.1



#63
 1,4-Dichlorobenzene
 Concen: 0.582 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU032421.D
 Acq: 04 Jun 2019 12:25

Tgt Ion:146 Resp: 8810
 Ion Ratio Lower Upper
 146 100
 111 37.9 26.2 48.6
 148 63.7 43.9 81.5





#65

1,2-Dichlorobenzene

Concen: 0.569 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU032421.D

Acq: 04 Jun 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.509

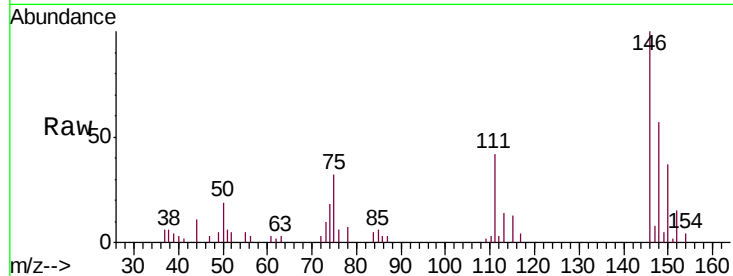
Tgt Ion:146 Resp: 8249

Ion Ratio Lower Upper

146 100

111 42.5 33.0 49.4

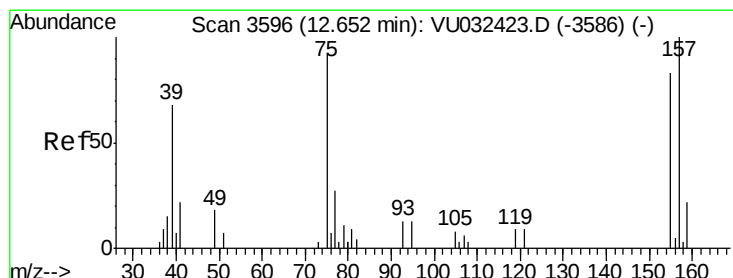
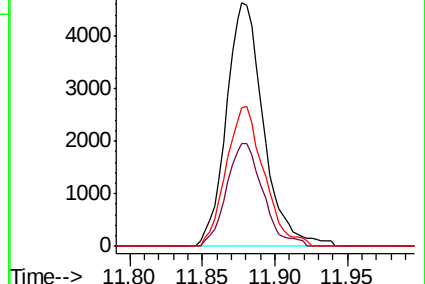
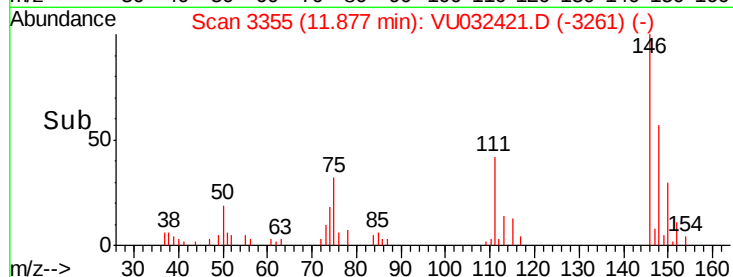
148 57.2 51.5 77.3



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: 0.434 ug/L

RT: 12.66 min Scan# 3599

Delta R.T. 0.01 min

Lab File: VU032421.D

Acq: 04 Jun 2019 12:25

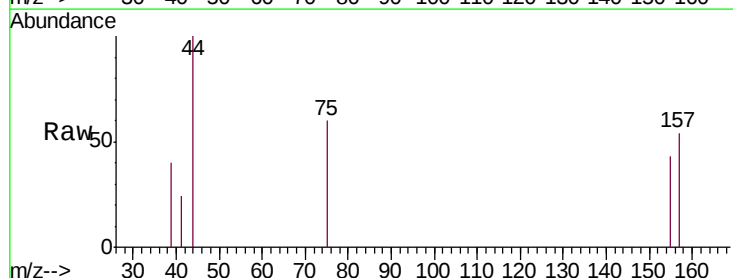
Tgt Ion: 75 Resp: 469

Ion Ratio Lower Upper

75 100

155 71.5 72.3 108.5#

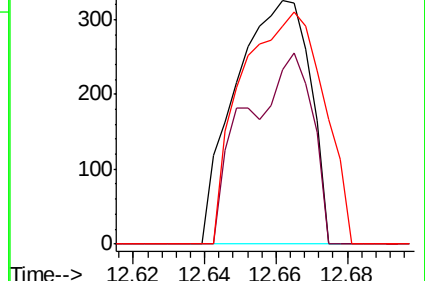
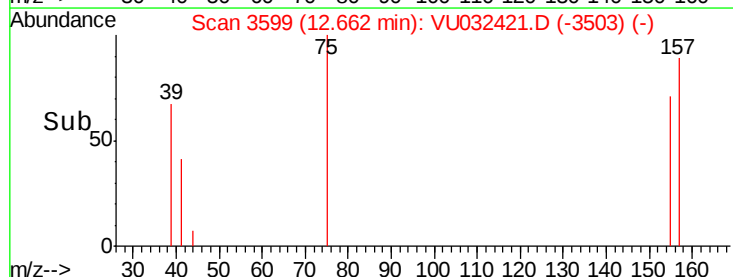
157 89.3 87.4 131.0

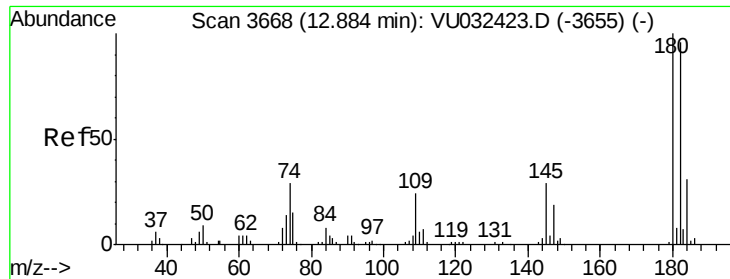


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

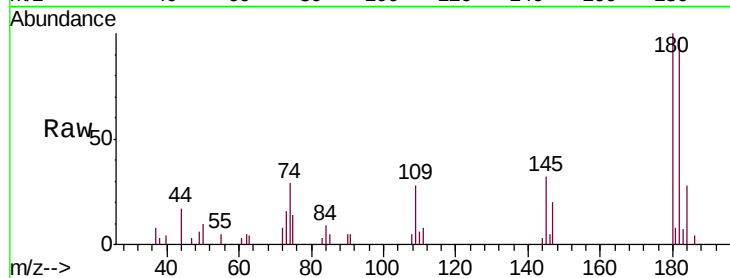




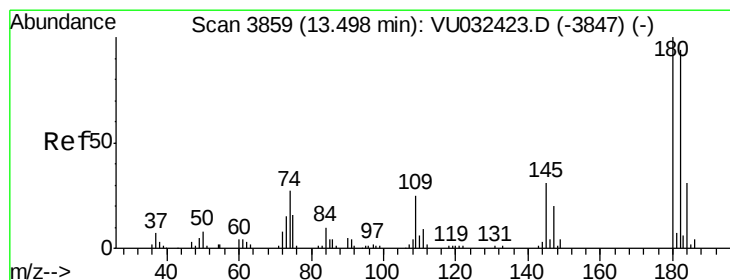
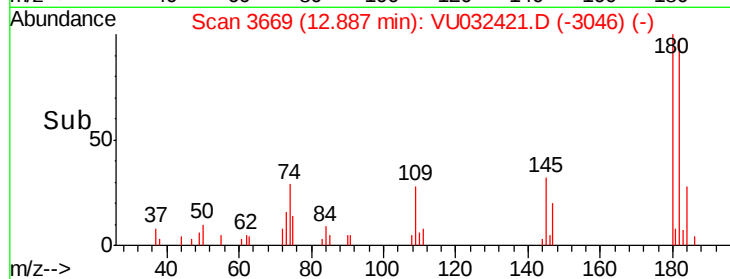
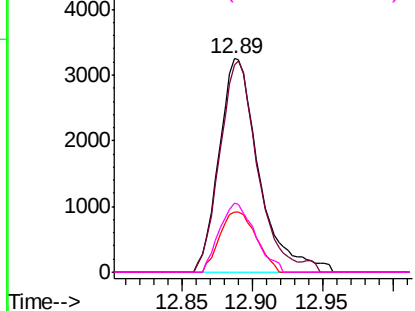
#67
 1,3,5-Trichlorobenzene
 Concen: 0.528 ug/L
 RT: 12.89 min Scan# 3669
 Delta R.T. 0.00 min
 Lab File: VU032421.D
 Acq: 04 Jun 2019 12:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.509

Tgt Ion:180 Resp: 6409
 Ion Ratio Lower Upper
 180 100
 182 93.0 76.6 115.0
 184 25.9 24.2 36.4
 145 28.6 23.5 35.3

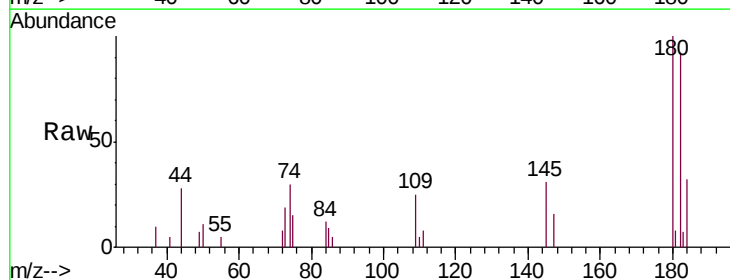


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

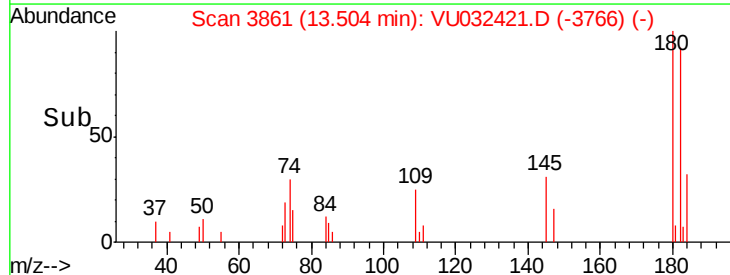
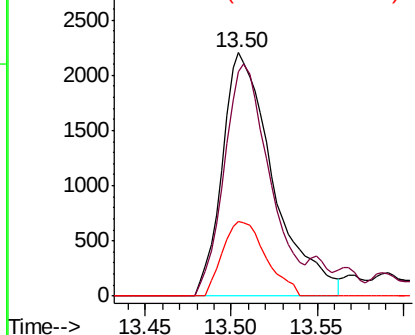


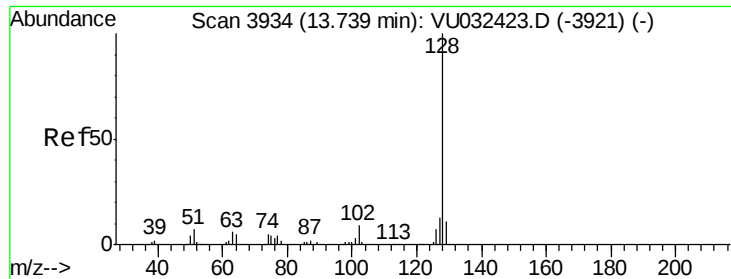
#68
 1,2,4-trichlorobenzene
 Concen: 0.453 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.01 min
 Lab File: VU032421.D
 Acq: 04 Jun 2019 12:25

Tgt Ion:180 Resp: 4534
 Ion Ratio Lower Upper
 180 100
 182 85.3 74.8 112.2
 145 26.2 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: 0.213 ug/L

RT: 13.76 min Scan# 3939

Delta R.T. 0.02 min

Lab File: VU032421.D

Acq: 04 Jun 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.509

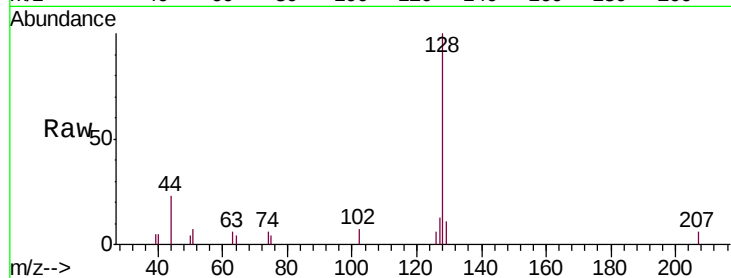
Tgt Ion:128 Resp: 6271

Ion Ratio Lower Upper

128 100

129 8.8 8.1 12.1

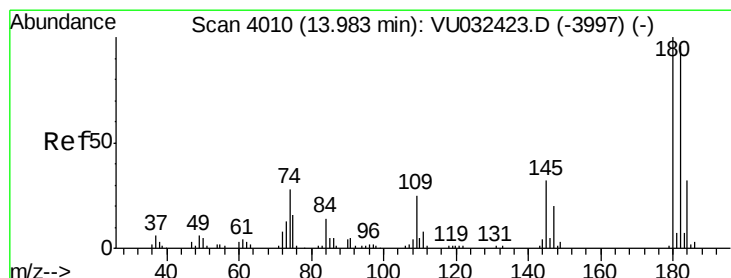
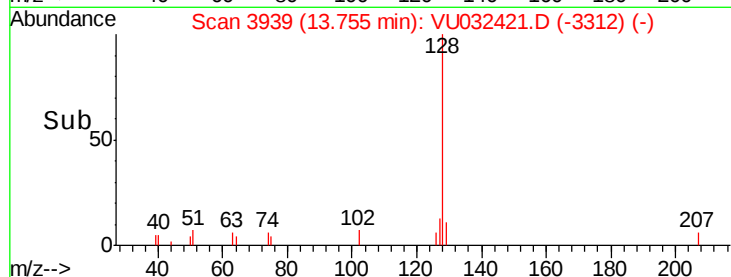
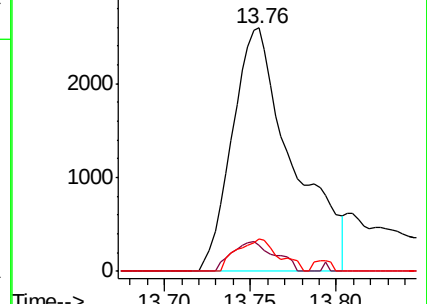
127 9.2 10.4 15.6#



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: 0.551 ug/L

RT: 13.99 min Scan# 4012

Delta R.T. 0.01 min

Lab File: VU032421.D

Acq: 04 Jun 2019 12:25

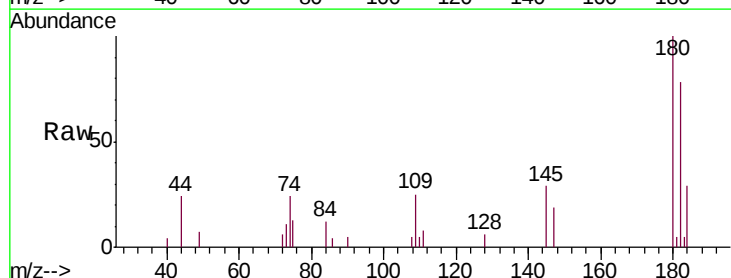
Tgt Ion:180 Resp: 5329

Ion Ratio Lower Upper

180 100

182 74.9 73.8 110.6

145 23.0 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

