

Data File : VU032422.D
Acq On : 04 Jun 2019 12:50
Operator : JC/SP
Sample : VSTD00110
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00110

Quant Time: Jun 04 22:35:36 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	102867	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	96534	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	48769	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	6541	0.81	ug/L	0.00
7) Chloroethane-d5	1.68	69	5010	0.74	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	13091	0.78	ug/L	0.00
20) 2-Butanone-d5	4.21	46	17709	9.14	ug/L	0.00
24) Chloroform-d	4.64	84	11000	0.90	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	5935	0.95	ug/L	0.00
32) Benzene-d6	5.33	84	22651	0.88	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	6853	0.85	ug/L	0.00
41) Toluene-d8	7.56	98	20776	0.87	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	2854	0.86	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	15065	9.35	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	5941	0.93	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	8389	0.93	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	9071	1.064 ug/L	98
3) Chloromethane	1.32	50	9522	0.936 ug/L	100
5) Vinyl chloride	1.40	62	9246	0.909 ug/L	96
6) Bromomethane	1.63	94	5472	0.879 ug/L	96
8) Chloroethane	1.70	64	5643	0.887 ug/L	100
9) Trichlorofluoromethane	1.88	101	12905	0.946 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	7051	0.905 ug/L	97
12) 1,1-Dichloroethene	2.28	96	6825	0.897 ug/L	96
13) Acetone	2.35	43	15818	10.127 ug/L	100
14) Carbon disulfide	2.47	76	21286	0.816 ug/L	100
15) Methyl Acetate	2.62	43	4272	0.953 ug/L	98
16) Methylene chloride	2.69	84	7632	0.802 ug/L	90
17) Methyl tert-butyl Ether	3.00	73	19760	0.931 ug/L	98
18) trans-1,2-Dichloroethene	2.97	96	7138	0.866 ug/L	96
19) 1,1-Dichloroethane	3.43	63	12744	0.995 ug/L	96
21) 2-Butanone	4.29	43	21482	10.274 ug/L	100
22) cis-1,2-Dichloroethene	4.22	96	8028	1.066 ug/L	93
23) Bromochloromethane	4.54	128	3556	1.057 ug/L	98
25) Chloroform	4.67	83	12984	1.040 ug/L	99
27) 1,2-Dichloroethane	5.40	62	8667	1.080 ug/L	97
29) 1,1,1-Trichloroethane	4.91	97	11991	1.104 ug/L	98
30) Cyclohexane	4.98	56	12853	1.027 ug/L	98
31) Carbon tetrachloride	5.13	117	10498	1.096 ug/L	98
33) Benzene	5.38	78	28687	1.009 ug/L	100
34) Trichloroethene	6.18	95	8666	1.096 ug/L	97
35) Methylcyclohexane	6.41	83	13624	1.143 ug/L	99
37) 1,2-Dichloropropane	6.43	63	7194	0.963 ug/L	98
38) Bromodichloromethane	6.76	83	9557	1.059 ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	11222	1.041 ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	53232	10.692 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	32433	1.052	ug/L	94
44) trans-1,3-Dichloropropene	7.88	75	8765	1.045	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	5500	1.054	ug/L	96
47) Tetrachloroethene	8.22	164	6427	1.064	ug/L	95
48) 2-Hexanone	8.37	43	37819	10.898	ug/L	98
49) Dibromochloromethane	8.48	129	6872	1.089	ug/L	95
50) 1,2-Dibromoethane	8.58	107	5299	1.047	ug/L #	96
51) Chlorobenzene	9.12	112	20666	1.083	ug/L	96
52) Ethylbenzene	9.25	91	35018	1.063	ug/L	94
53) m,p-Xylene	9.37	106	13395	1.075	ug/L	98
54) o-Xylene	9.77	106	13180	1.086	ug/L	95
55) Styrene	9.79	104	21563	1.063	ug/L	99
56) Isopropylbenzene	10.16	105	34462	1.083	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	7065	1.071	ug/L	93
59) 1,2,3-Trichloropropane	10.49	75	5033	1.082	ug/L	99
61) Bromoform	9.95	173	4057	1.050	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	15780	1.050	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	15931	1.047	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	15351	1.054	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	1016	0.937	ug/L	94
67) 1,3,5-Trichlorobenzene	12.89	180	12690	1.041	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	9050	0.901	ug/L	91
69) Naphthalene	13.75	128	13887	0.469	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	9667	0.995	ug/L	97

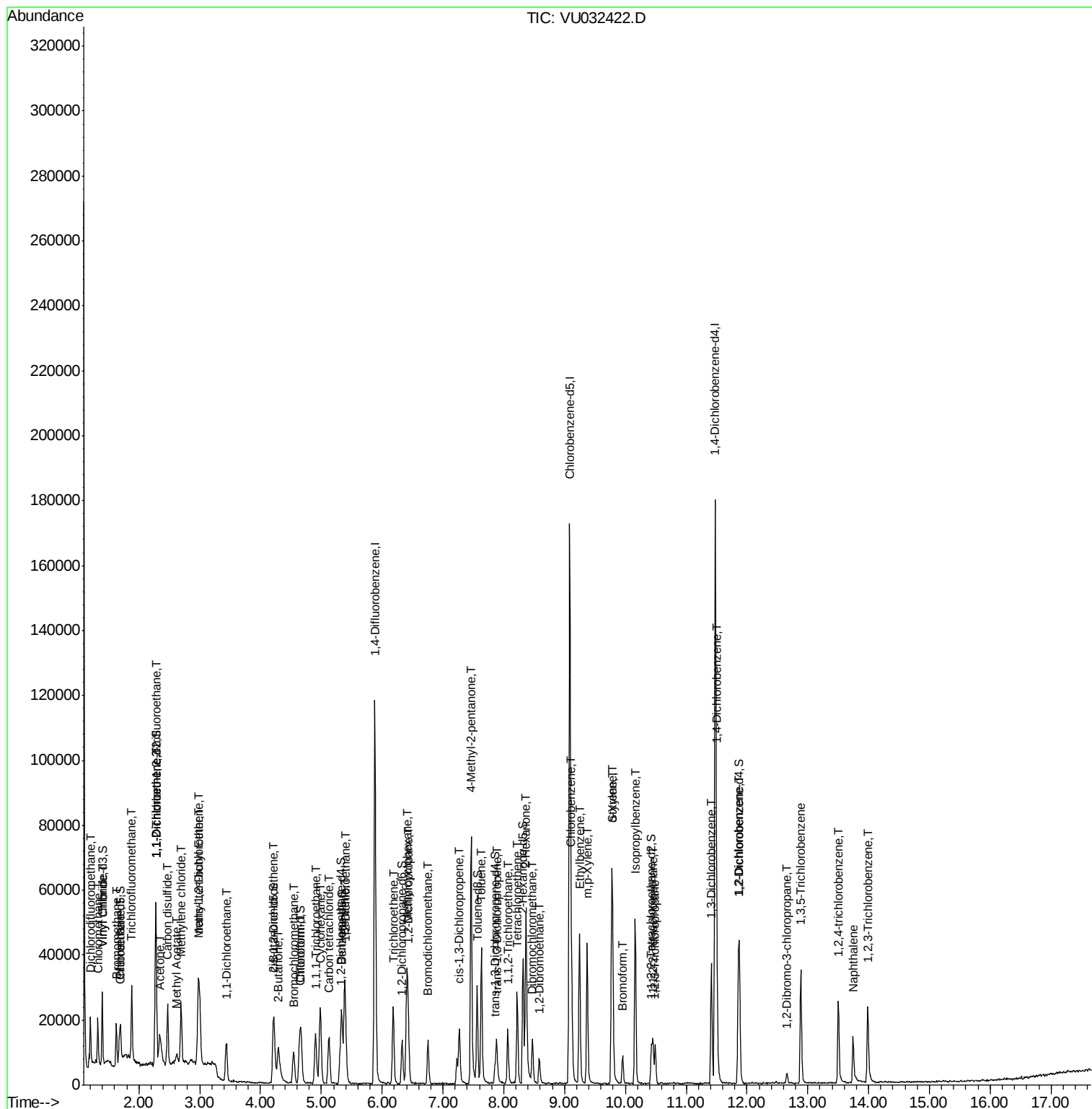
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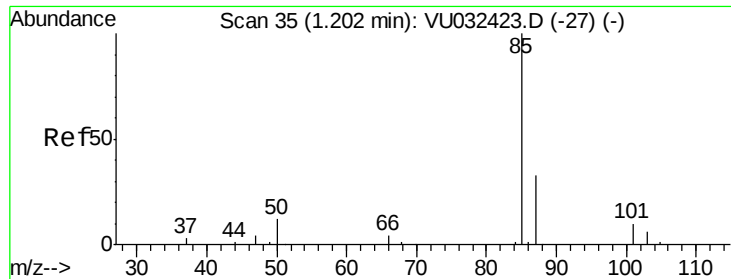
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#2

Dichlorodifluoromethane

Concen: 1.064 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032422.D

Acq: 04 Jun 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

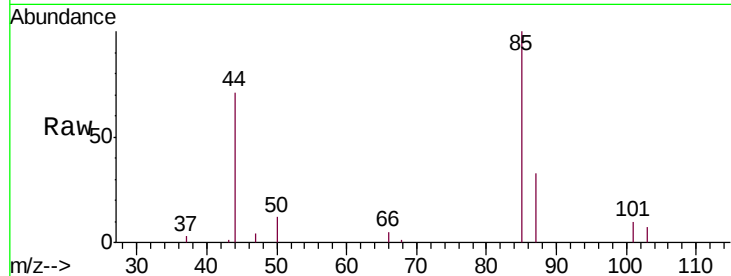
VSTD00110

Tgt Ion: 85 Resp: 9071

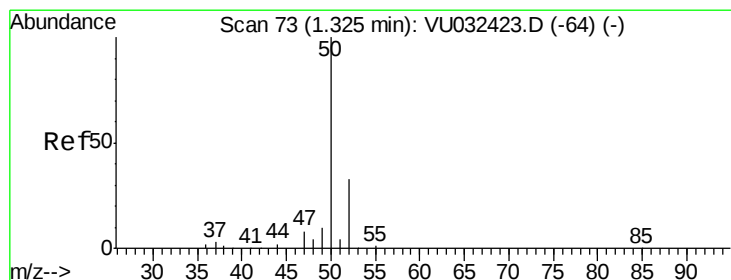
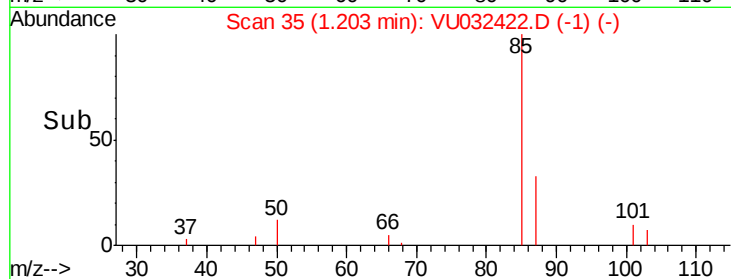
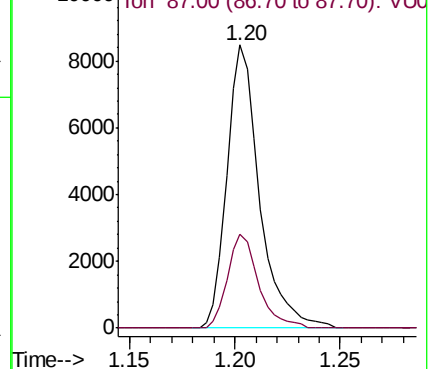
Ion Ratio Lower Upper

85 100

87 31.4 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU032422.D (-27) (-)



#3

Chloromethane

Concen: 0.936 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032422.D

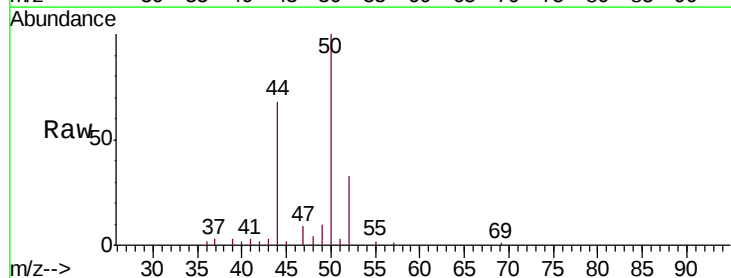
Acq: 04 Jun 2019 12:50

Tgt Ion: 50 Resp: 9522

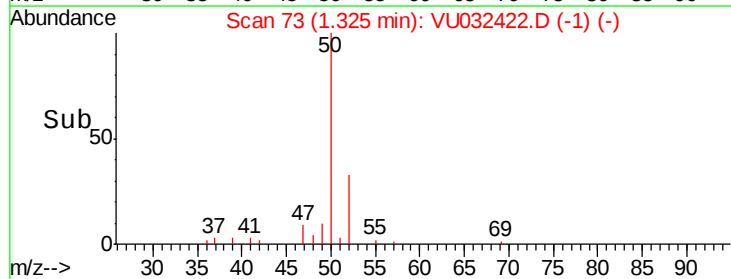
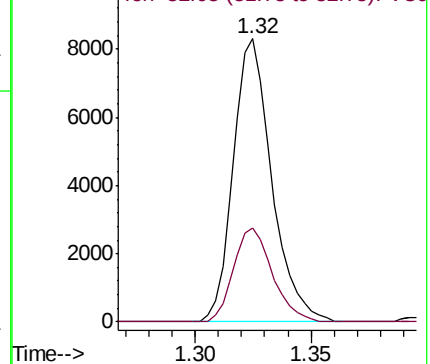
Ion Ratio Lower Upper

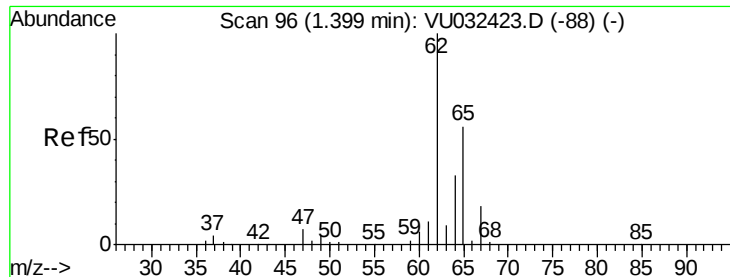
50 100

52 33.0 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VU032422.D (-64) (-)





#5

Vinyl chloride

Concen: 0.909 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032422.D

Acq: 04 Jun 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

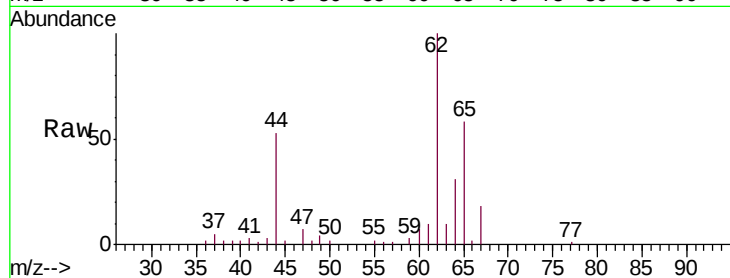
VSTD00110

Tgt Ion: 62 Resp: 9246

Ion Ratio Lower Upper

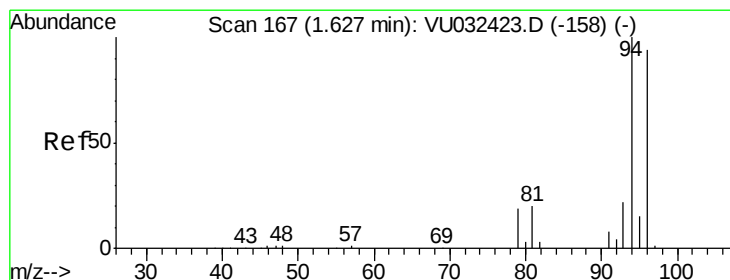
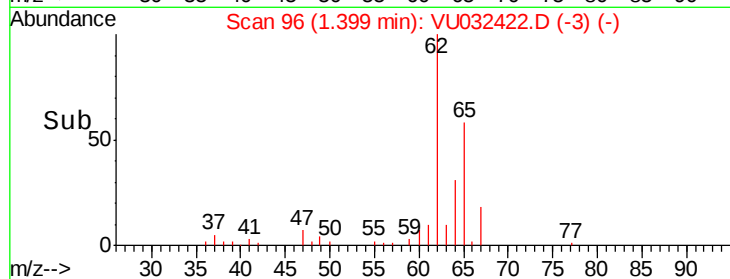
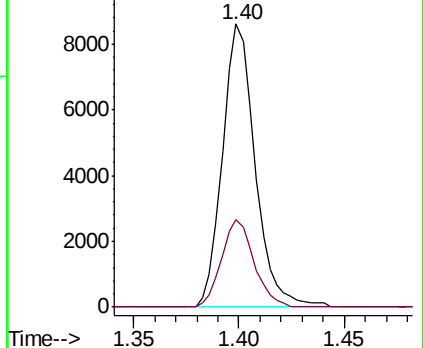
62 100

64 30.9 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU032422.D (-88) (-)

Ion 64.10 (63.80 to 64.80): VU032422.D (-88) (-)



#6

Bromomethane

Concen: 0.879 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU032422.D

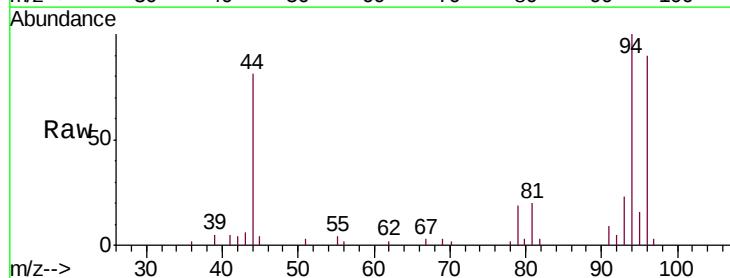
Acq: 04 Jun 2019 12:50

Tgt Ion: 94 Resp: 5472

Ion Ratio Lower Upper

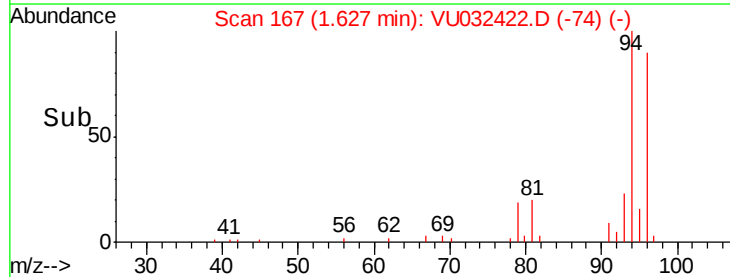
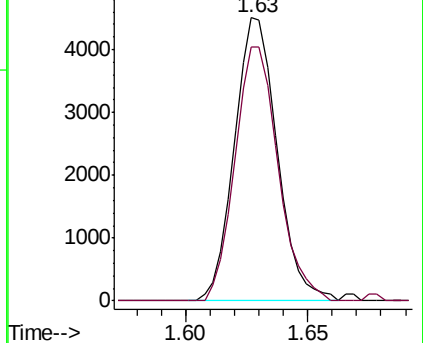
94 100

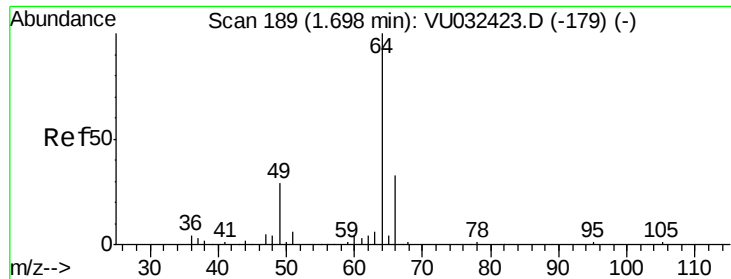
96 89.8 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VU032422.D (-158) (-)

Ion 96.00 (95.70 to 96.70): VU032422.D (-158) (-)





#8

Chloroethane

Concen: 0.887 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU032422.D

Acq: 04 Jun 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

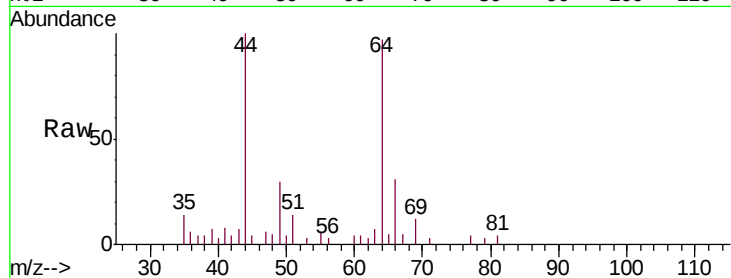
VSTD00110

Tgt Ion: 64 Resp: 5643

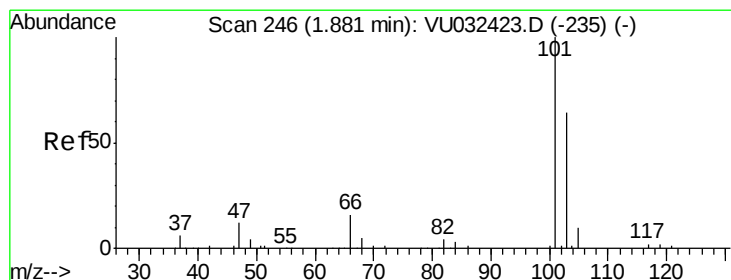
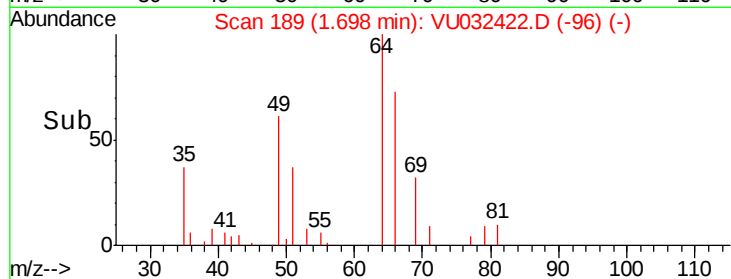
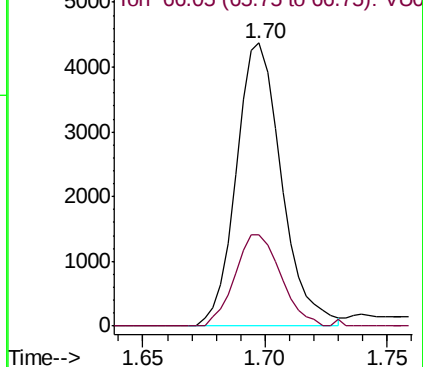
Ion Ratio Lower Upper

64 100

66 32.4 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VU032422.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 0.946 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU032422.D

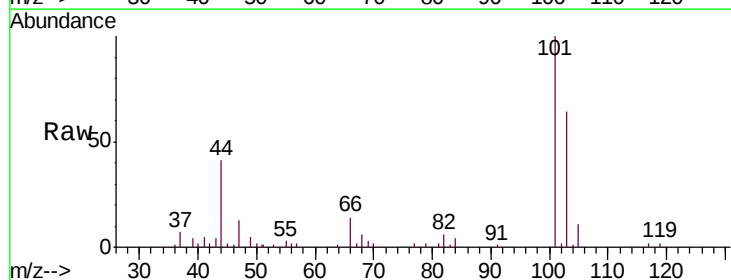
Acq: 04 Jun 2019 12:50

Tgt Ion: 101 Resp: 12905

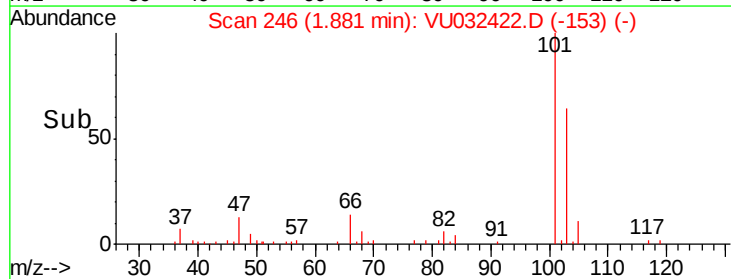
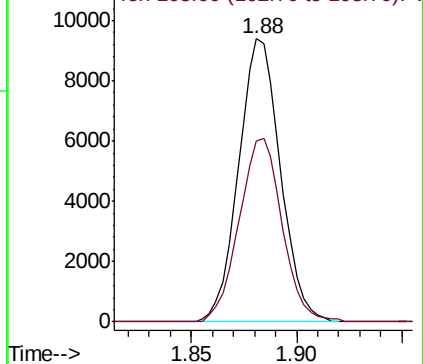
Ion Ratio Lower Upper

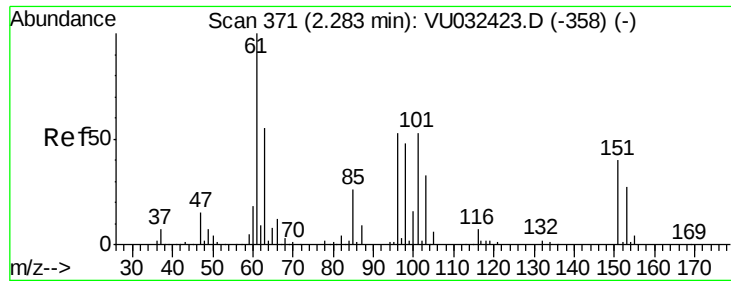
101 100

103 66.9 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VU032422.D (-235) (-)





#10

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

Concen: 0.905 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU032422.D

Acq: 04 Jun 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00110

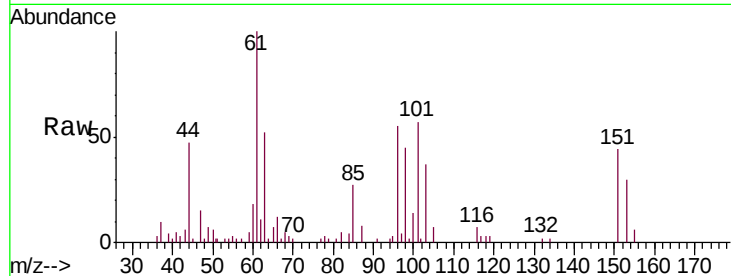
Tgt Ion: 101 Resp: 7051

Ion Ratio Lower Upper

101 100

85 46.7 38.9 58.3

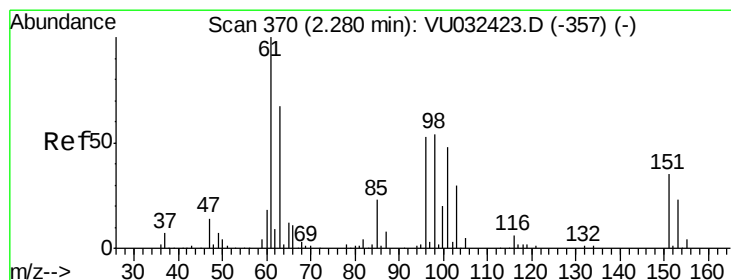
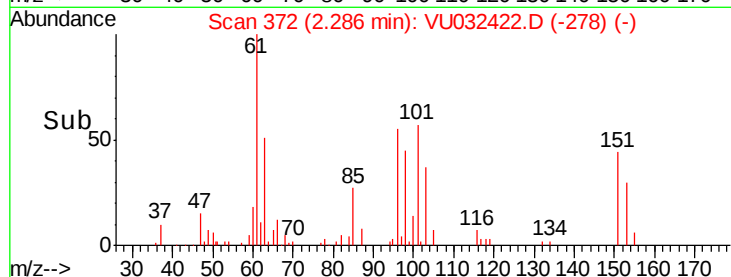
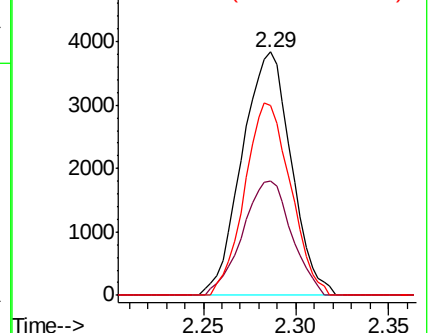
151 73.8 61.0 91.4



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: 0.897 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032422.D

Acq: 04 Jun 2019 12:50

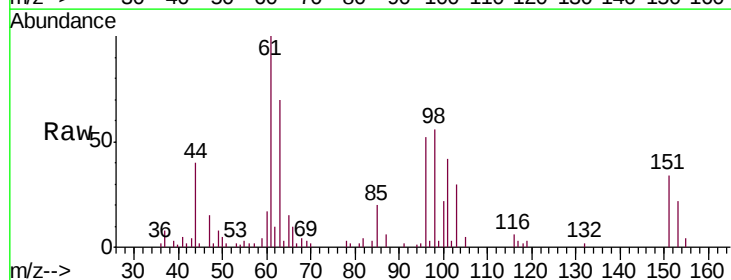
Tgt Ion: 96 Resp: 6825

Ion Ratio Lower Upper

96 100

61 191.9 131.8 244.8

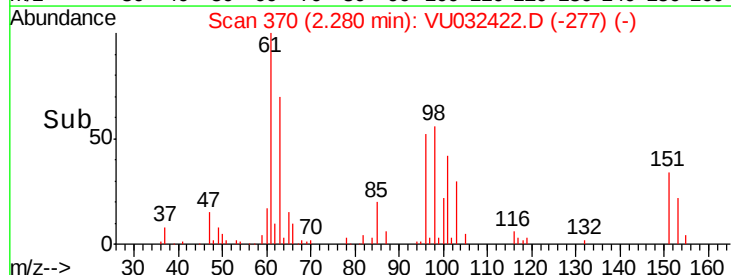
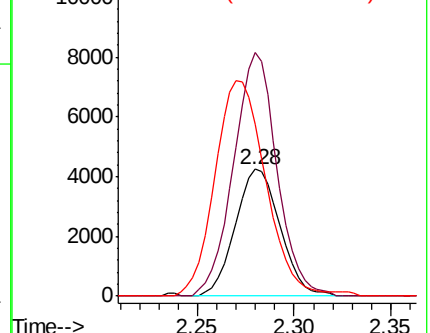
63 135.0 90.1 167.3

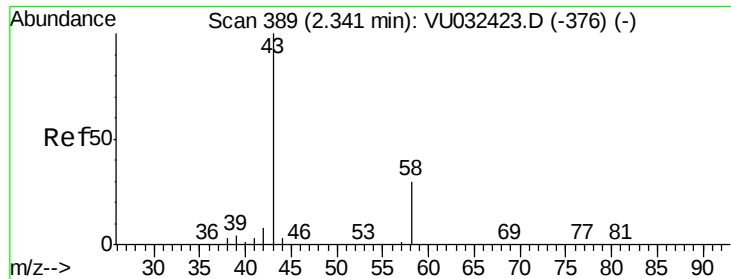


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 10.127 ug/L

RT: 2.35 min Scan# 391

Delta R.T. 0.01 min

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ClientSampleId :

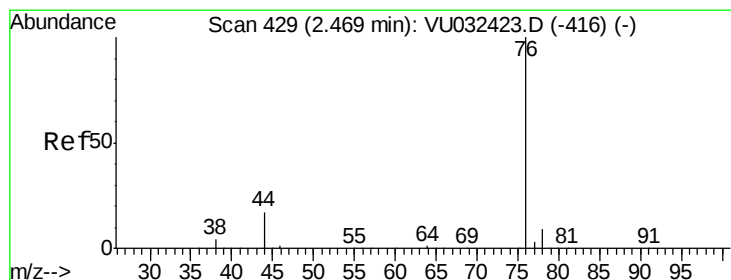
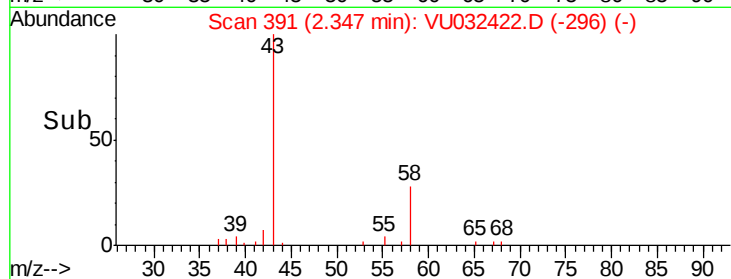
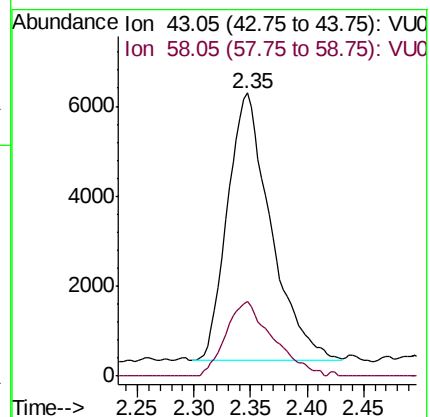
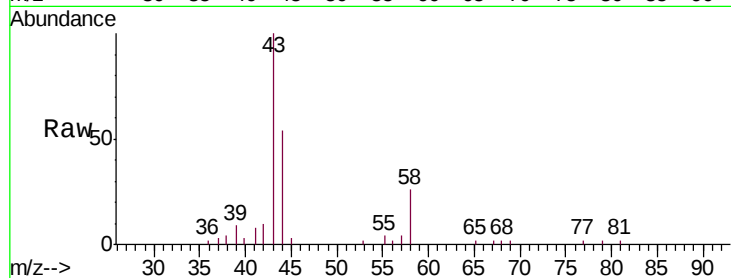
VSTD00110

Tgt Ion: 43 Resp: 15818

Ion Ratio Lower Upper

43 100

58 30.2 0.0 60.8



#14

Carbon disulfide

Concen: 0.816 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU032422.D

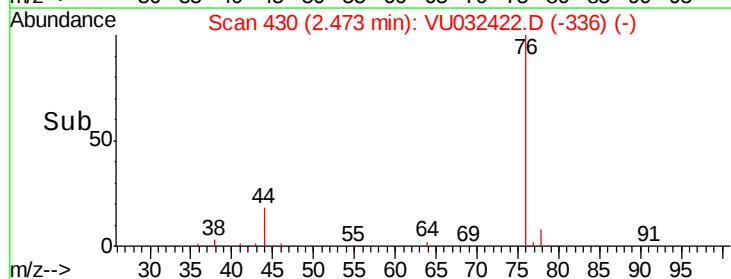
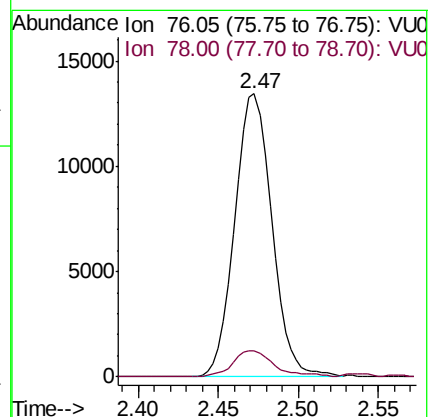
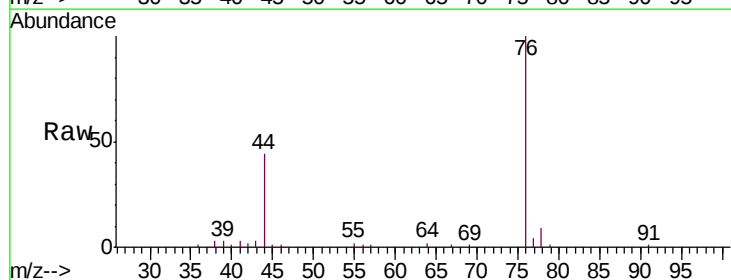
Acq: 04 Jun 2019 12:50

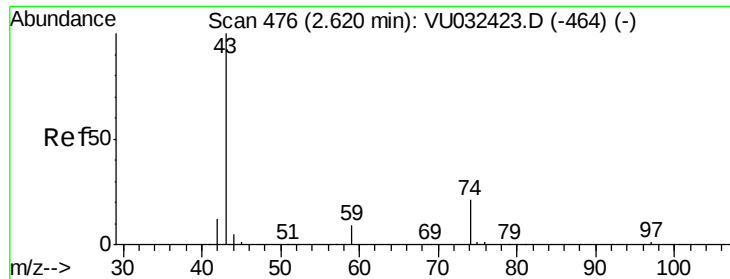
Tgt Ion: 76 Resp: 21286

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





#15

Methyl Acetate

Concen: 0.953 ug/L

RT: 2.62 min Scan# 477

Delta R.T. 0.00 min

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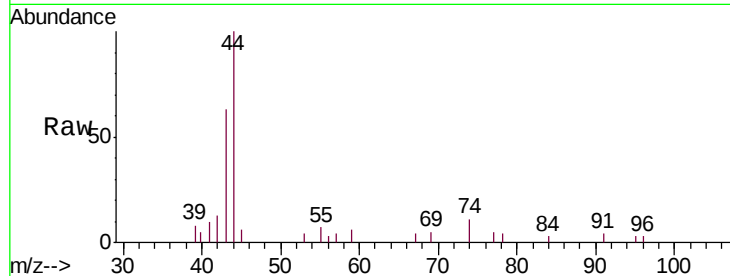
VSTD00110

Tgt Ion: 43 Resp: 4272

Ion Ratio Lower Upper

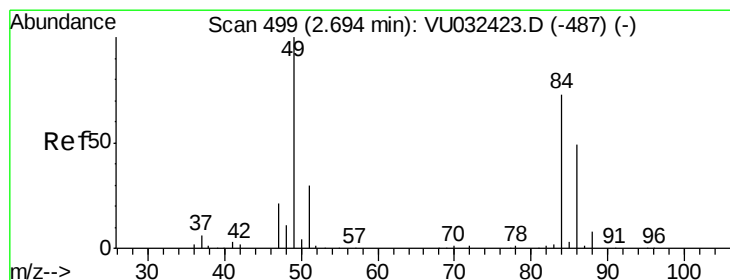
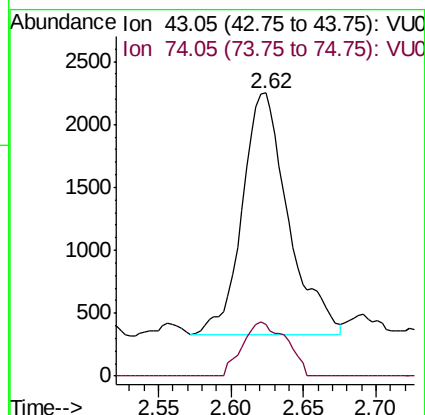
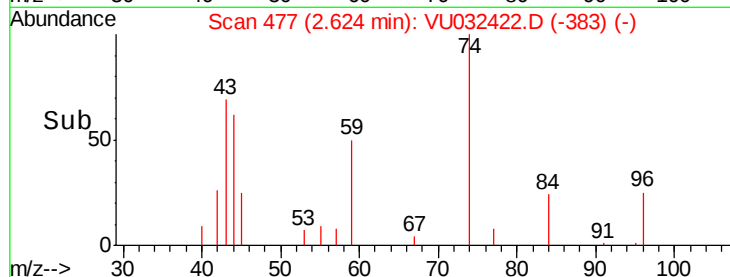
43 100

74 21.2 17.8 26.8



Abundance Ion 43.05 (42.75 to 43.75): VU032422.D (-383) (-)

Ion 74.05 (73.75 to 74.75): VU032422.D (-383) (-)



#16

Methylene chloride

Concen: 0.802 ug/L

RT: 2.69 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU032422.D

Acq: 04 Jun 2019 12:50

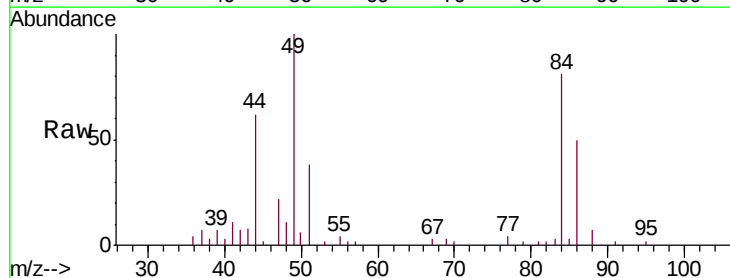
Tgt Ion: 84 Resp: 7632

Ion Ratio Lower Upper

84 100

86 61.8 47.2 87.6

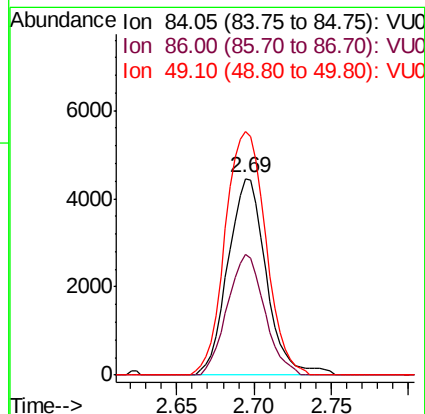
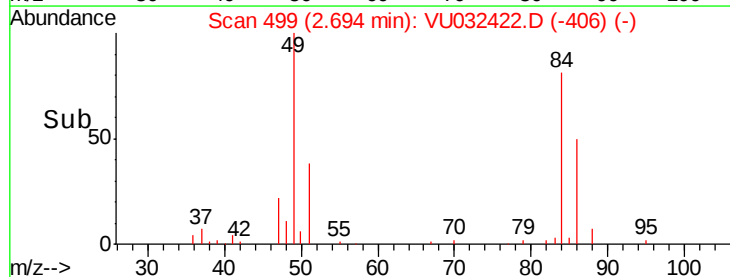
49 124.1 95.9 178.1

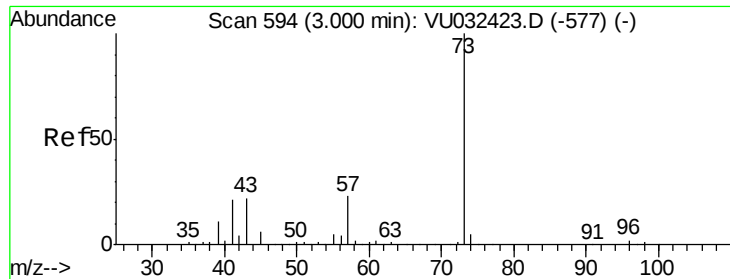


Abundance Ion 84.05 (83.75 to 84.75): VU032422.D (-406) (-)

Ion 86.00 (85.70 to 86.70): VU032422.D (-406) (-)

Ion 49.10 (48.80 to 49.80): VU032422.D (-406) (-)

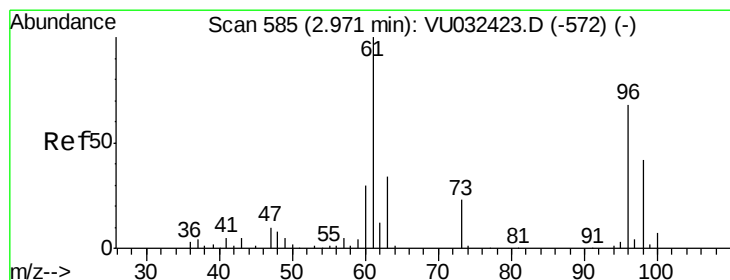
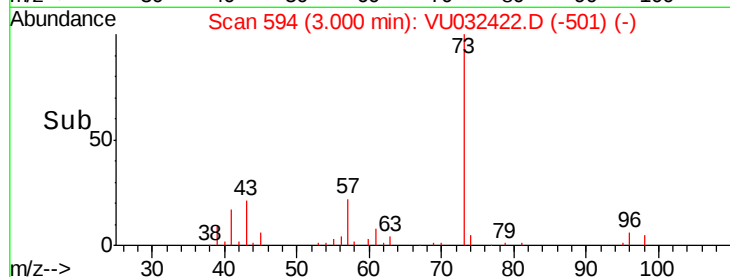
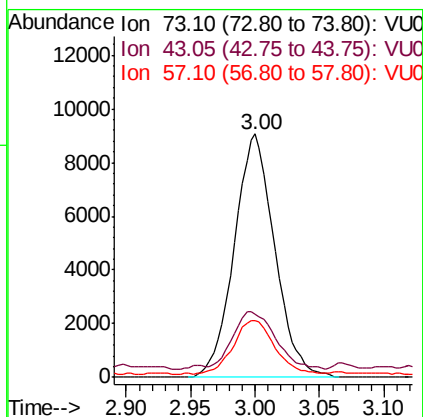
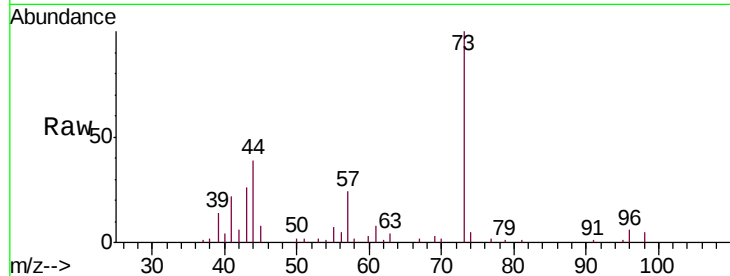




#17
Methyl tert-butyl Ether
Concen: 0.931 ug/L
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU032422.D
Acq: 04 Jun 2019 12:50

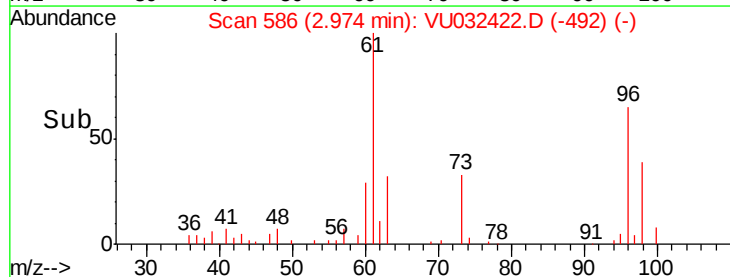
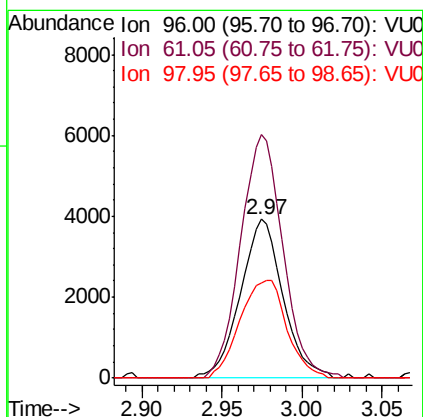
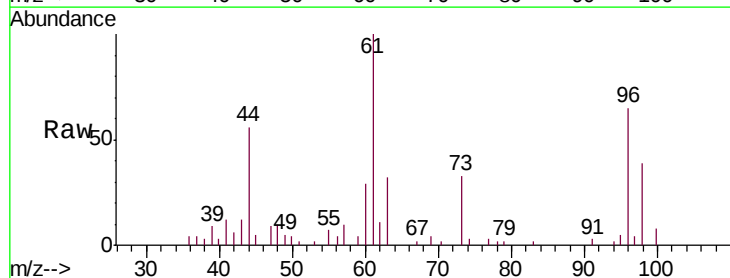
Instrument :
MSVOA_U
ClientSampleId :
VSTD00110

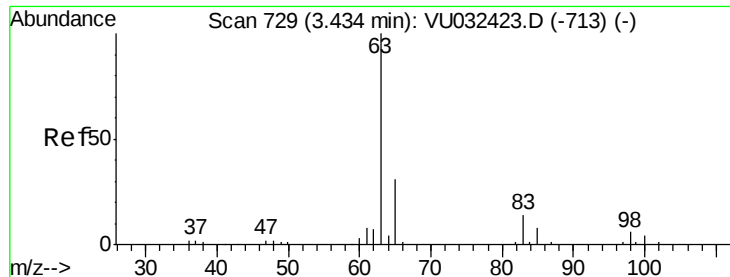
Tgt Ion: 73 Resp: 19760
Ion Ratio Lower Upper
73 100
43 24.6 18.6 27.8
57 22.5 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 0.866 ug/L
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU032422.D
Acq: 04 Jun 2019 12:50

Tgt Ion: 96 Resp: 7138
Ion Ratio Lower Upper
96 100
61 153.5 103.1 191.5
98 60.2 43.7 81.1

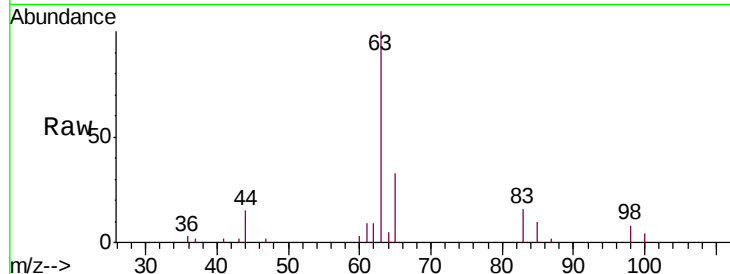




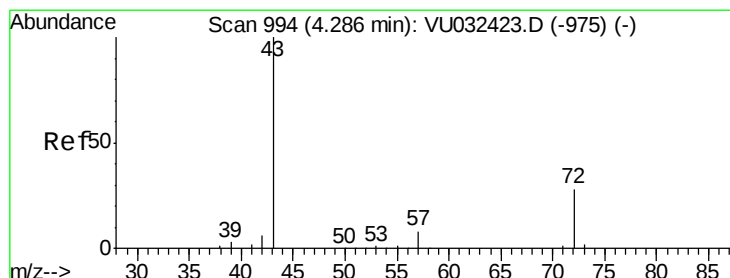
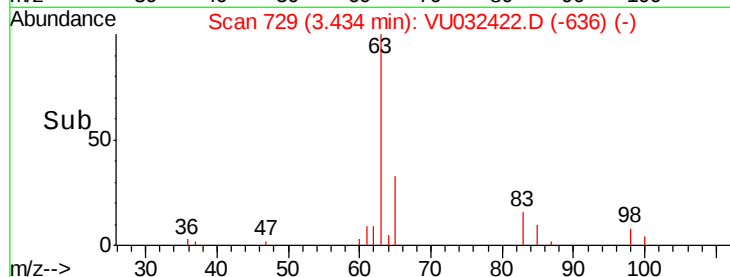
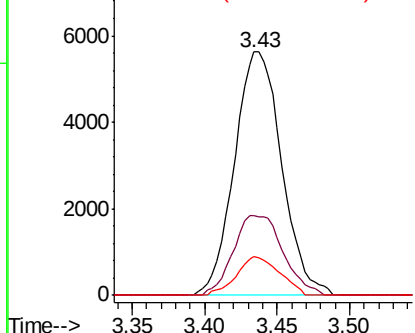
#19
 1,1-Dichloroethane
 Concen: 0.995 ug/L
 RT: 3.43 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VU032422.D
 Acq: 04 Jun 2019 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00110

Tgt Ion: 63 Resp: 12744
 Ion Ratio Lower Upper
 63 100
 65 32.8 21.3 39.6
 83 15.7 10.1 18.7

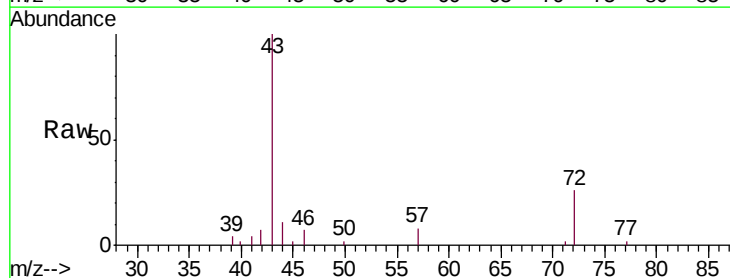


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

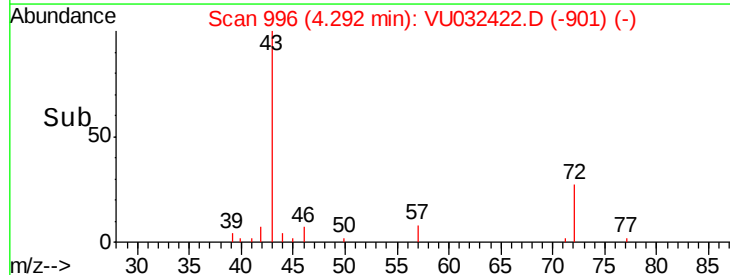
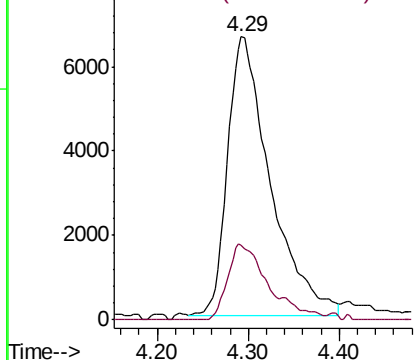


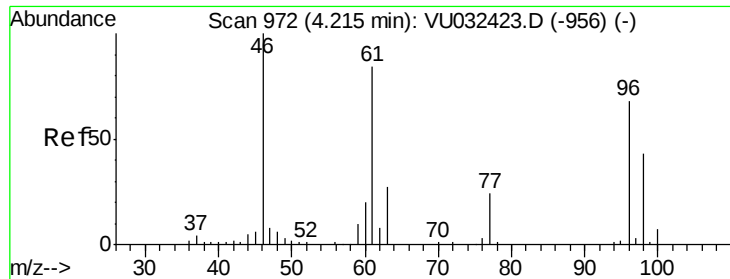
#21
 2-Butanone
 Concen: 10.274 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. 0.01 min
 Lab File: VU032422.D
 Acq: 04 Jun 2019 12:50

Tgt Ion: 43 Resp: 21482
 Ion Ratio Lower Upper
 43 100
 72 26.2 13.1 39.3



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



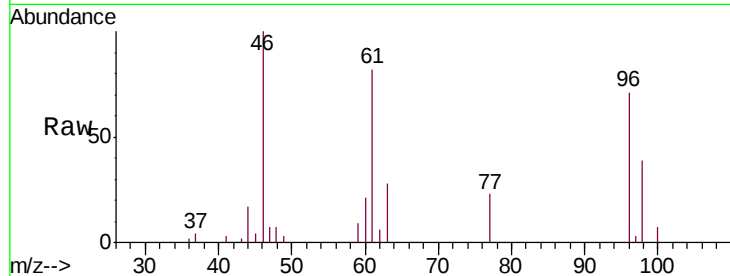


#22

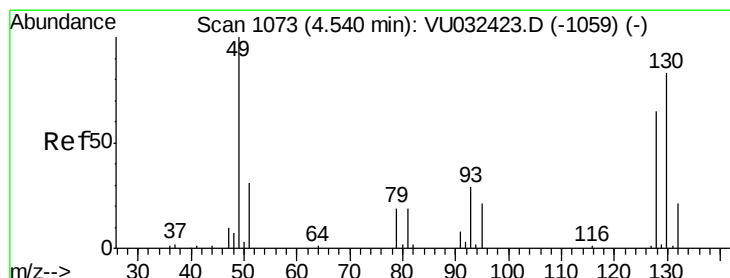
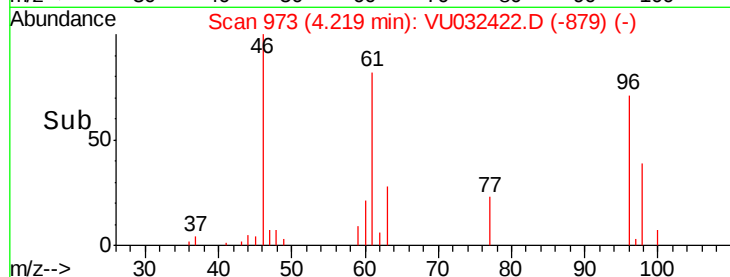
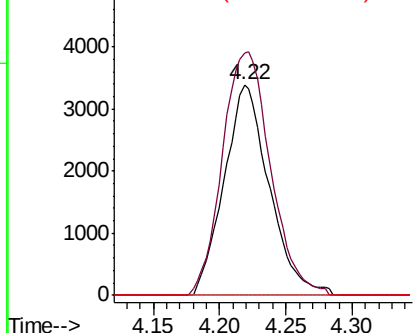
cis-1,2-Dichloroethene
 Concen: 1.066 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU032422.D
 Acq: 04 Jun 2019 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00110

Tgt Ion: 96 Resp: 8028
 Ion Ratio Lower Upper
 96 100
 61 115.3 86.6 160.8
 68 0.0 0.0 0.0



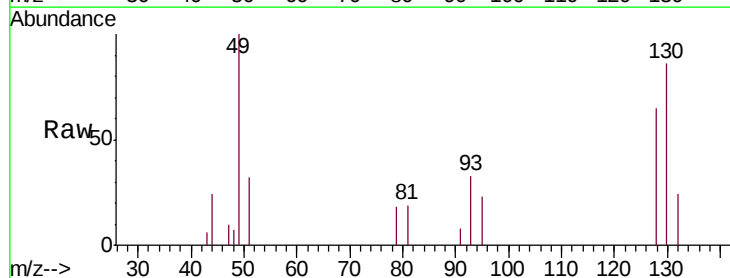
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



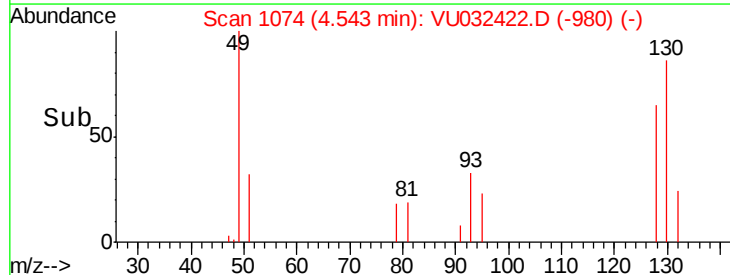
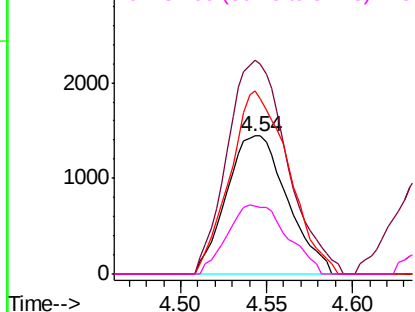
#23

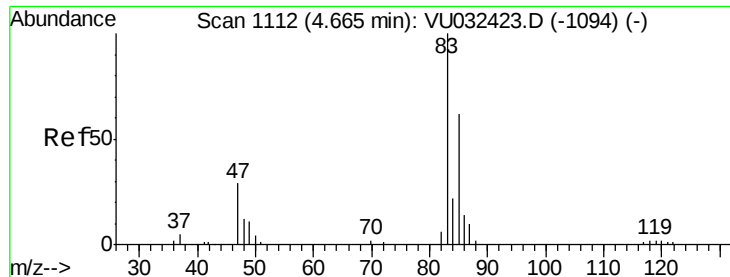
Bromochloromethane
 Concen: 1.057 ug/L
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU032422.D
 Acq: 04 Jun 2019 12:50

Tgt Ion: 128 Resp: 3556
 Ion Ratio Lower Upper
 128 100
 49 154.5 107.8 200.2
 130 132.2 89.3 165.9
 51 49.0 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

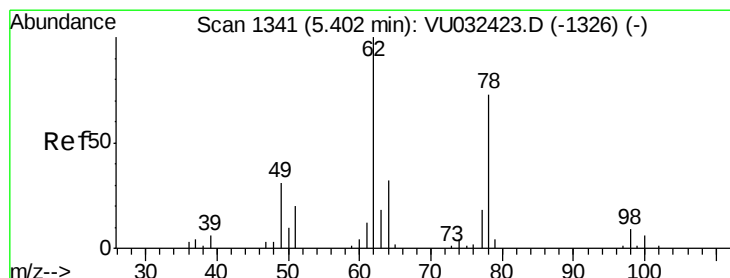
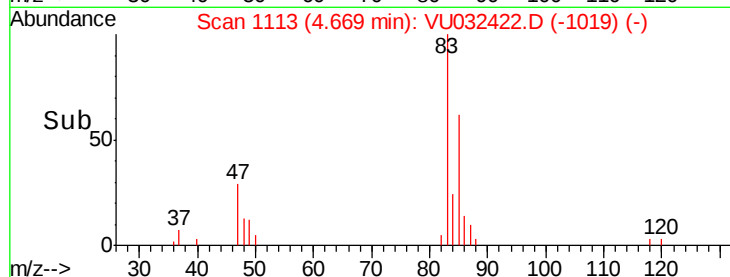
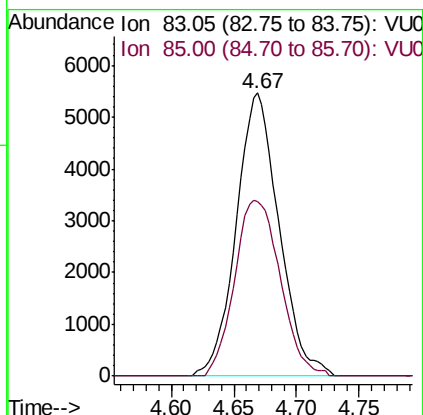
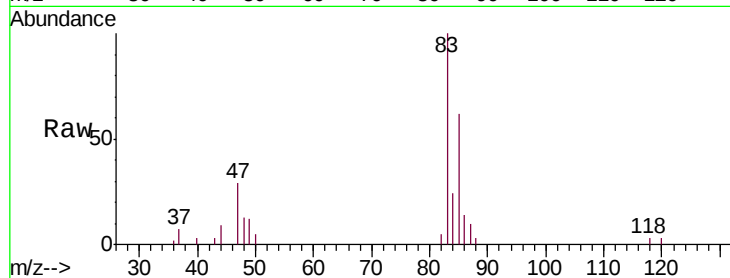




#25
Chloroform
Concen: 1.040 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU032422.D
Acq: 04 Jun 2019 12:50

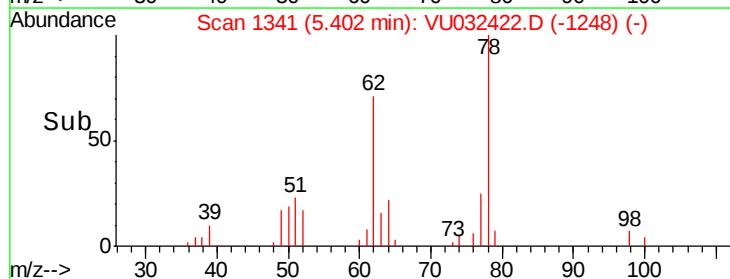
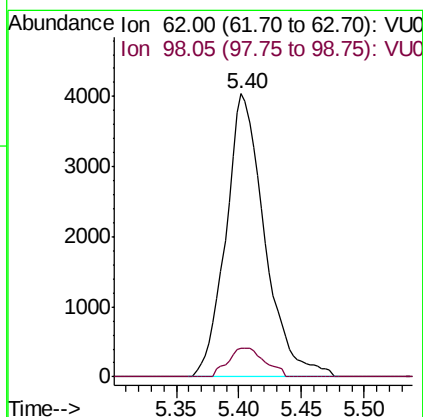
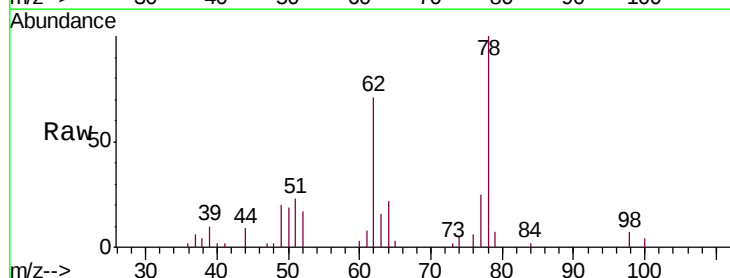
Instrument :
MSVOA_U
ClientSampleId :
VSTD00110

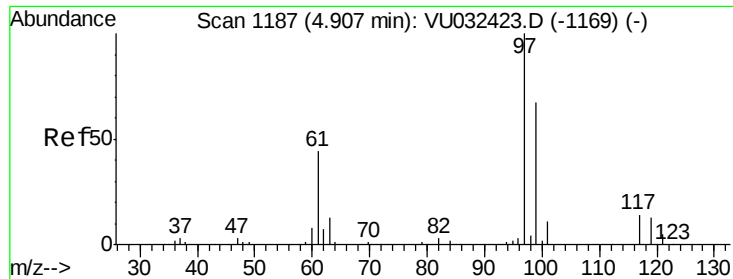
Tgt Ion: 83 Resp: 12984
Ion Ratio Lower Upper
83 100
85 61.9 43.8 81.3



#27
1,2-Dichloroethane
Concen: 1.080 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU032422.D
Acq: 04 Jun 2019 12:50

Tgt Ion: 62 Resp: 8667
Ion Ratio Lower Upper
62 100
98 10.0 7.0 10.6

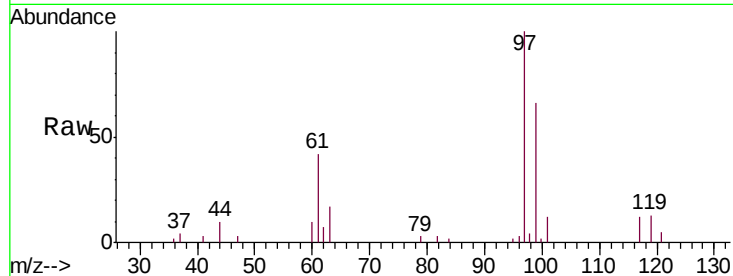




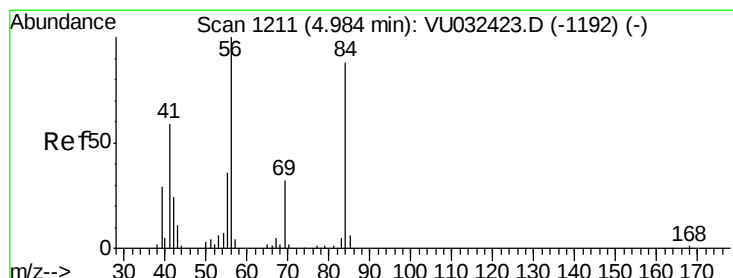
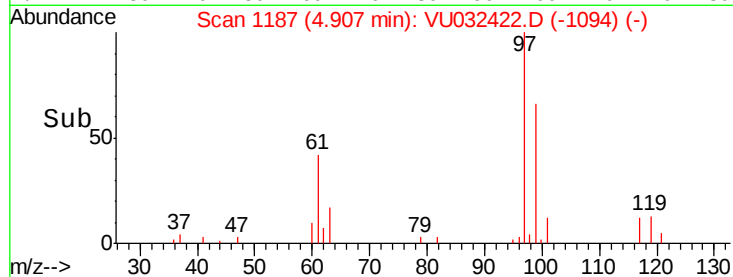
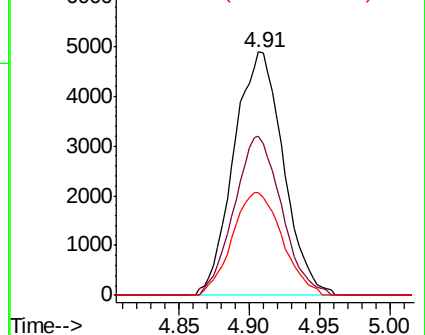
#29
 1,1,1-Trichloroethane
 Concen: 1.104 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU032422.D
 Acq: 04 Jun 2019 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00110

Tgt Ion: 97 Resp: 11991
 Ion Ratio Lower Upper
 97 100
 99 62.7 51.8 77.6
 61 42.6 34.7 52.1

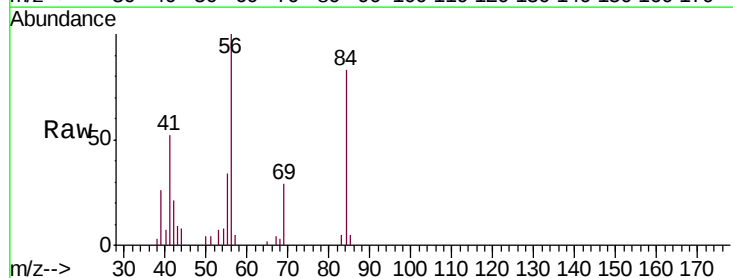


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

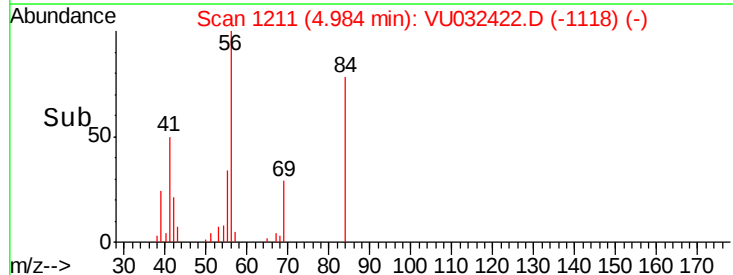
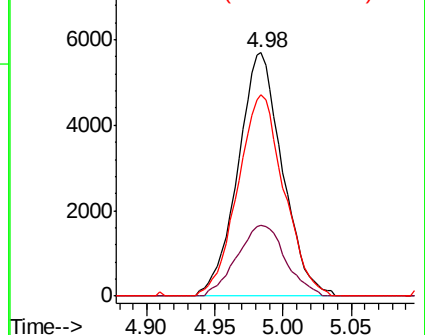


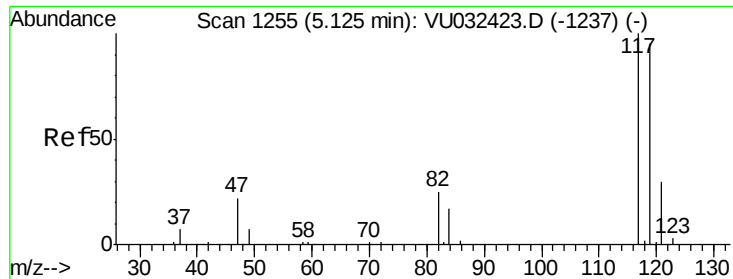
#30
 Cyclohexane
 Concen: 1.027 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VU032422.D
 Acq: 04 Jun 2019 12:50

Tgt Ion: 56 Resp: 12853
 Ion Ratio Lower Upper
 56 100
 69 31.8 24.9 37.3
 84 86.0 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: 1.096 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU032422.D

Acq: 04 Jun 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

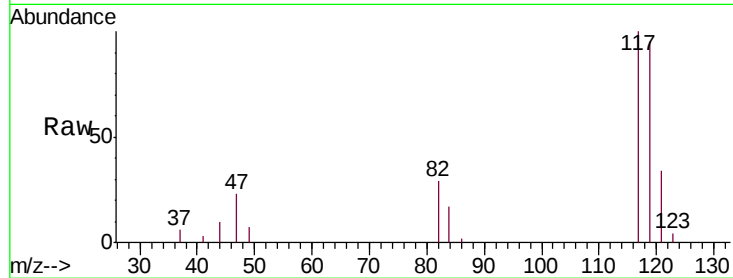
VSTD00110

Tgt Ion:117 Resp: 10498

Ion Ratio Lower Upper

117 100

119 98.7 77.8 116.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.13

4000

3000

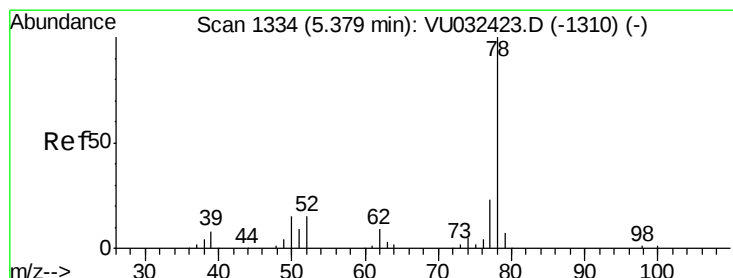
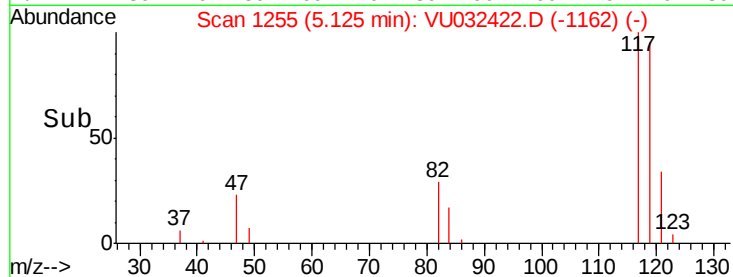
2000

1000

0

Time-->

5.05 5.10 5.15 5.20



#33

Benzene

Concen: 1.009 ug/L

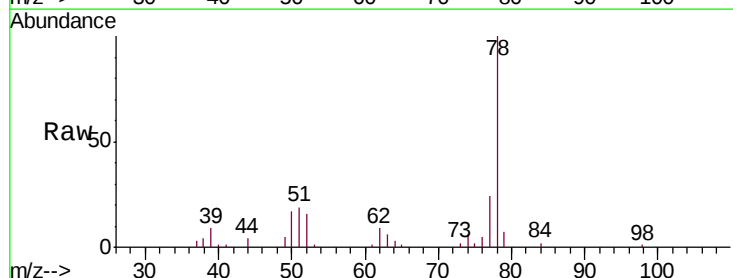
RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU032422.D

Acq: 04 Jun 2019 12:50

Tgt Ion: 78 Resp: 28687



Abundance Ion 78.10 (77.80 to 78.80): VU0

15000

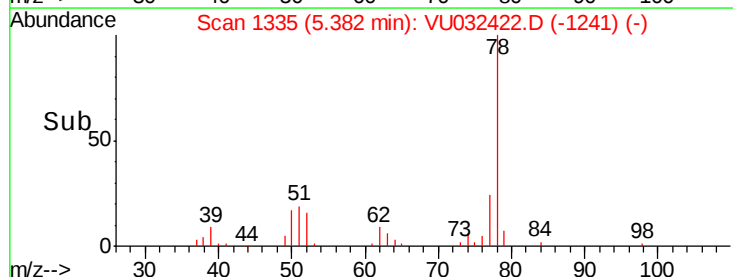
10000

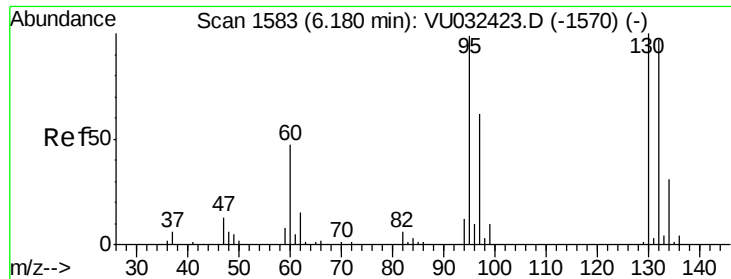
5000

0

Time-->

5.30 5.35 5.40 5.45 5.50





#34

Trichloroethene

Concen: 1.096 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU032422.D

Acq: 04 Jun 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00110

Tgt Ion: 95 Resp: 8666

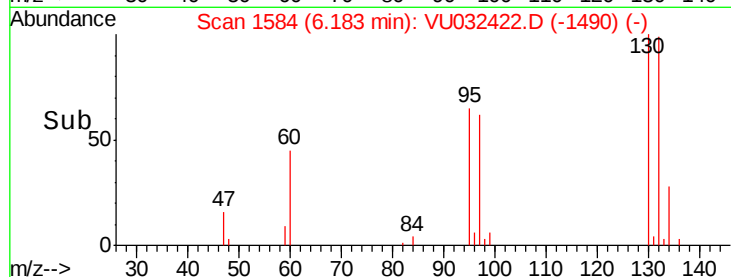
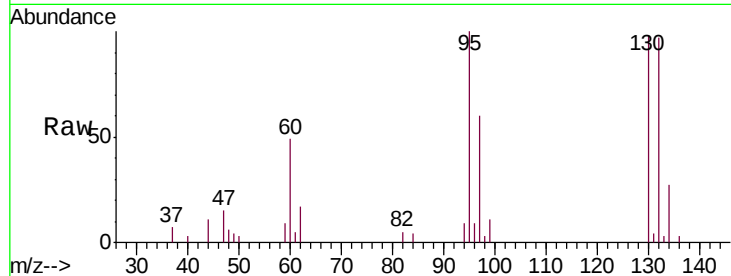
Ion Ratio Lower Upper

95 100

97 60.3 44.1 81.9

132 96.9 68.8 127.8

130 98.0 71.0 131.8

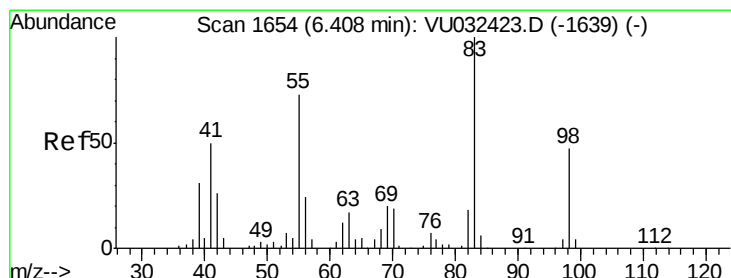
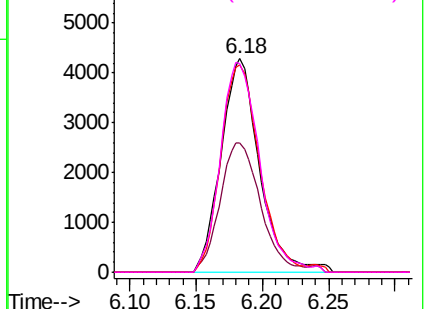


Abundance Ion 95.00 (94.70 to 95.70): VU032422.D (-1490) (-)

Ion 96.95 (96.65 to 97.65): VU032422.D (-1490) (-)

Ion 131.95 (131.65 to 132.65): VU032422.D (-1490) (-)

Ion 129.95 (129.65 to 130.65): VU032422.D (-1490) (-)



#35

Methylcyclohexane

Concen: 1.143 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU032422.D

Acq: 04 Jun 2019 12:50

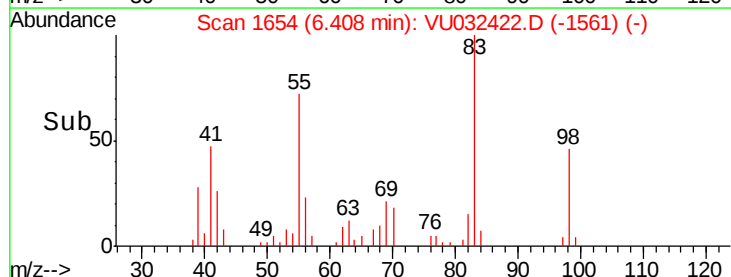
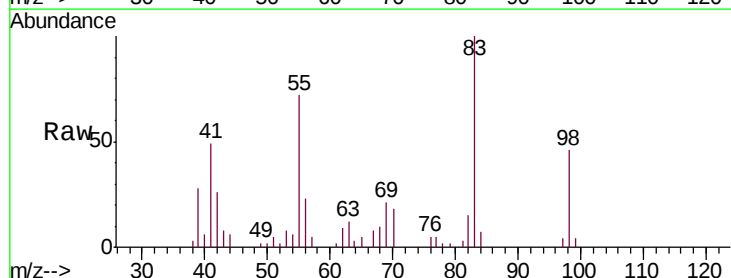
Tgt Ion: 83 Resp: 13624

Ion Ratio Lower Upper

83 100

55 74.6 60.0 90.0

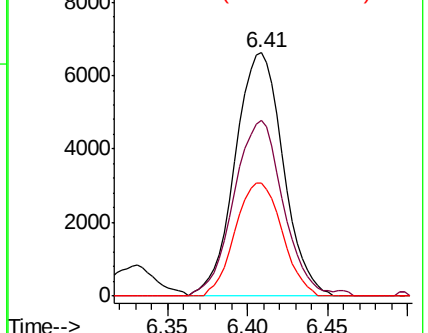
98 45.2 37.8 56.8

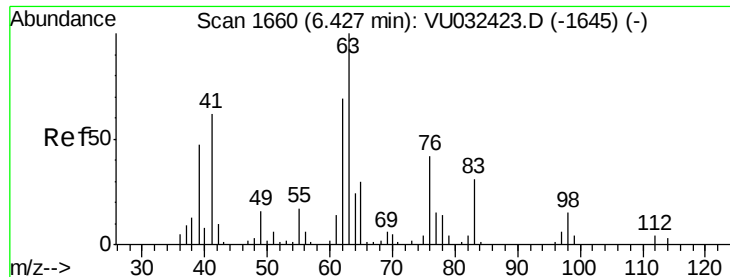


Abundance Ion 83.15 (82.85 to 83.85): VU032422.D (-1561) (-)

Ion 55.10 (54.80 to 55.80): VU032422.D (-1561) (-)

Ion 98.15 (97.85 to 98.85): VU032422.D (-1561) (-)

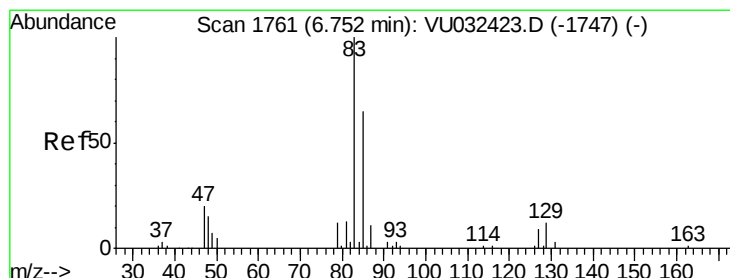
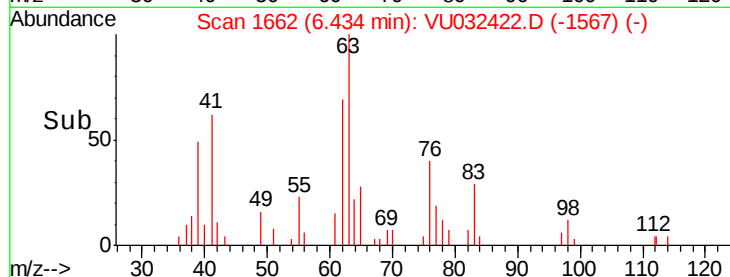
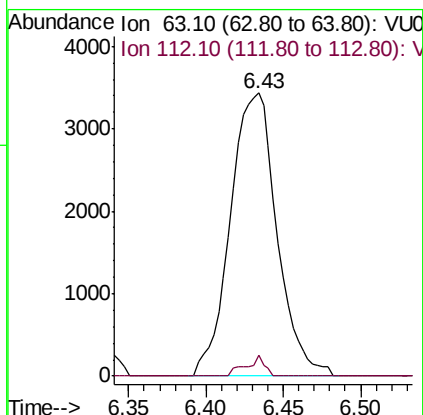
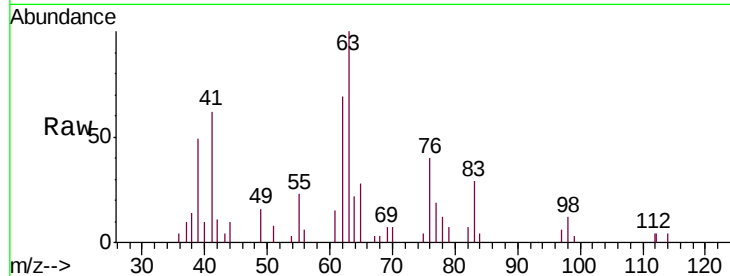




#37
 1,2-Dichloropropane
 Concen: 0.963 ug/L
 RT: 6.43 min Scan# 1662
 Delta R.T. 0.01 min
 Lab File: VU032422.D
 Acq: 04 Jun 2019 12:50

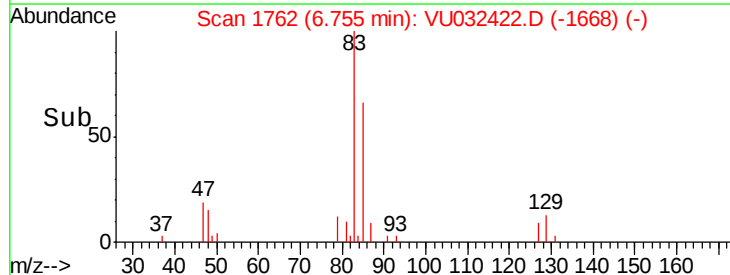
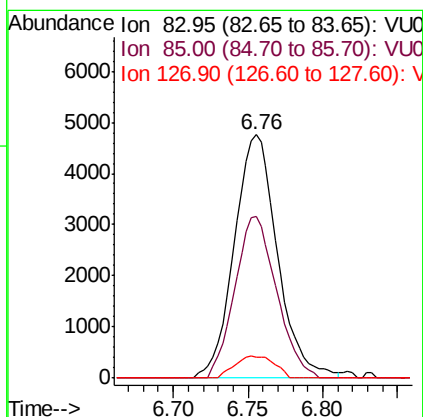
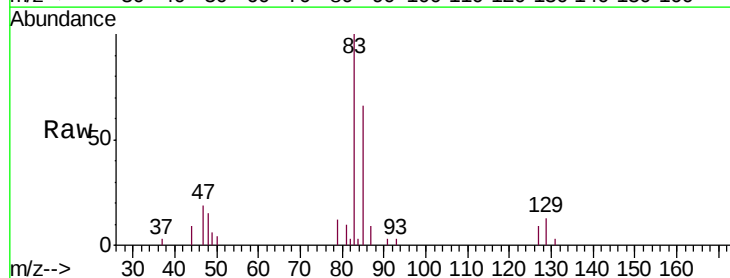
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00110

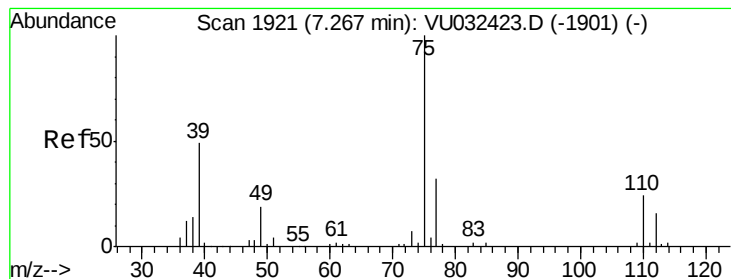
Tgt Ion: 63 Resp: 7194
 Ion Ratio Lower Upper
 63 100
 112 2.9 2.9 4.3



#38
 Bromodichloromethane
 Concen: 1.059 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU032422.D
 Acq: 04 Jun 2019 12:50

Tgt Ion: 83 Resp: 9557
 Ion Ratio Lower Upper
 83 100
 85 66.4 45.2 84.0
 127 8.7 7.4 11.2



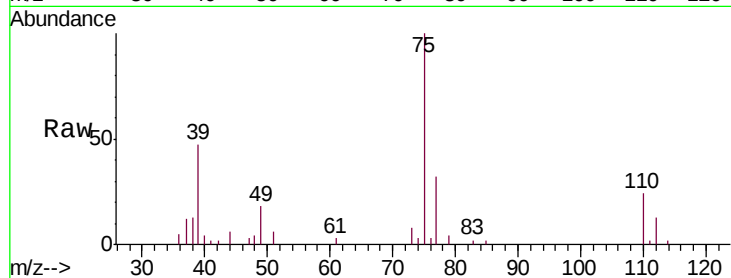


#39

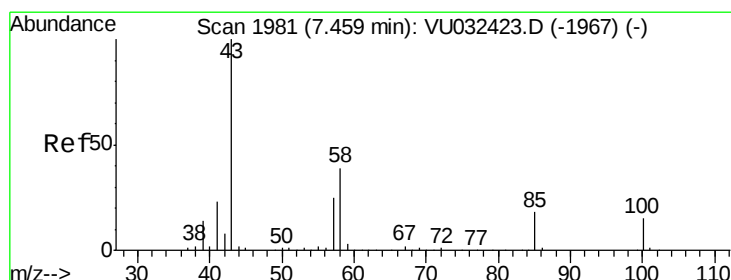
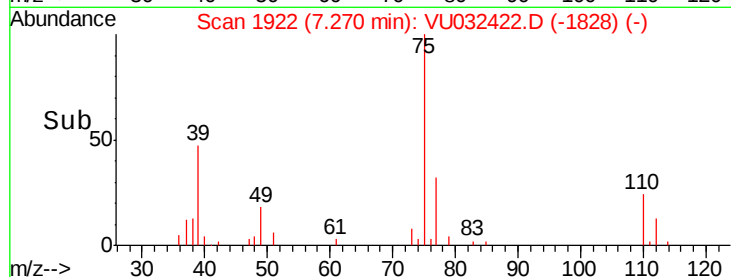
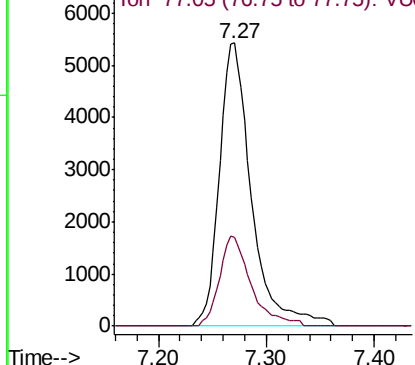
cis-1,3-Dichloropropene
 Concen: 1.041 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU032422.D
 Acq: 04 Jun 2019 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00110

Tgt Ion: 75 Resp: 11222
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.2 41.2



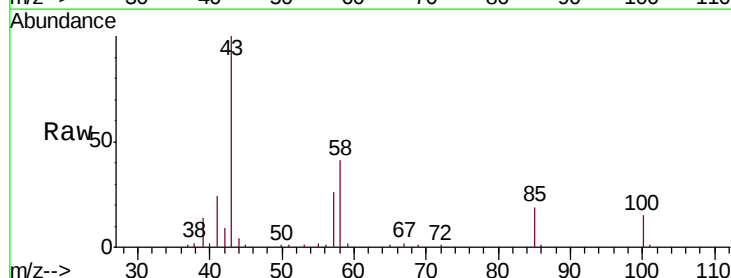
Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0



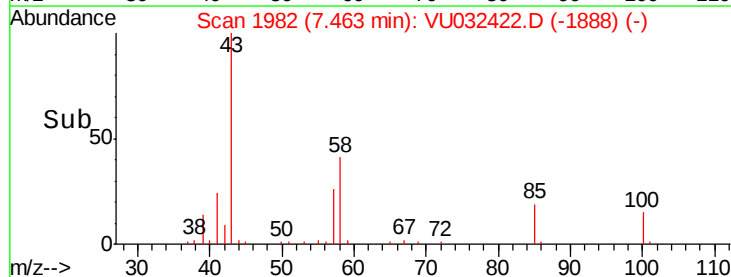
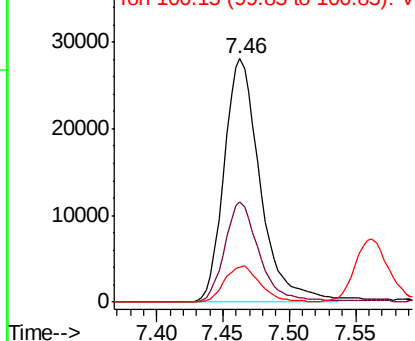
#40

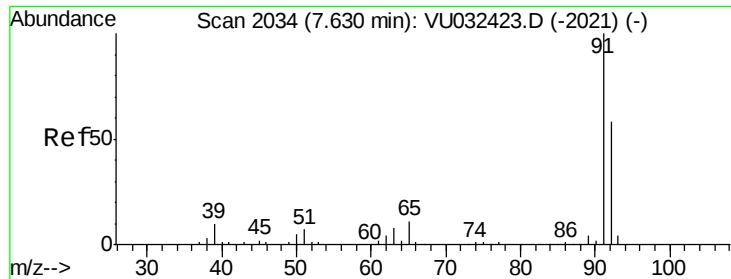
4-Methyl-2-pentanone
 Concen: 10.692 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU032422.D
 Acq: 04 Jun 2019 12:50

Tgt Ion: 43 Resp: 53232
 Ion Ratio Lower Upper
 43 100
 58 39.7 30.9 46.3
 100 14.6 11.9 17.9



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





#42

Toluene

Concen: 1.052 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU032422.D

Acq: 04 Jun 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

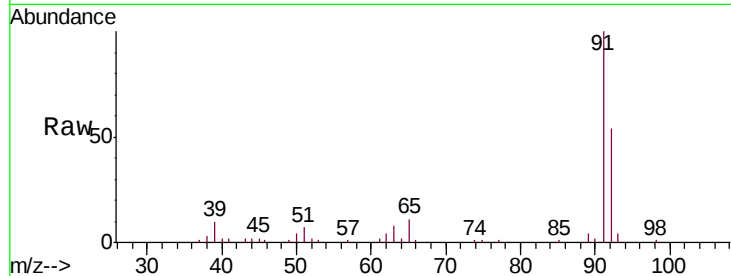
VSTD00110

Tgt Ion: 91 Resp: 32433

Ion Ratio Lower Upper

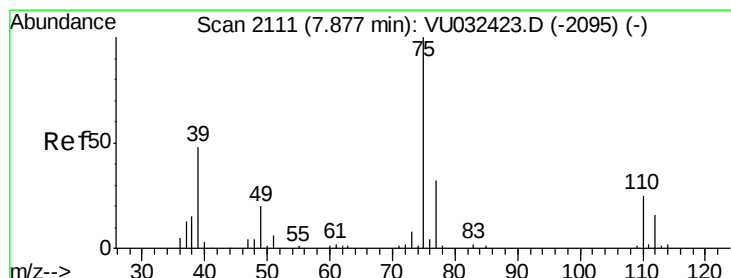
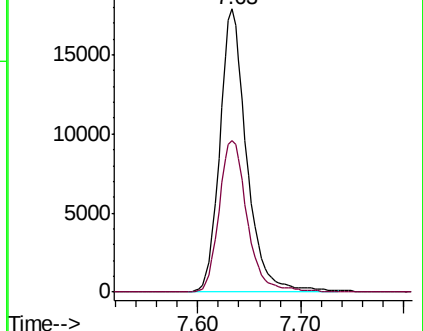
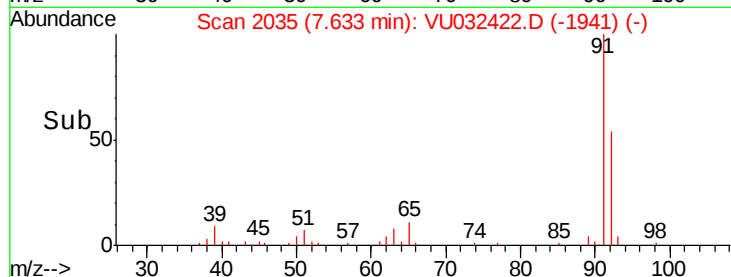
91 100

92 53.6 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU032422.D (-1941) (-)

Ion 92.15 (91.85 to 92.85): VU032422.D (-1941) (-)



#44

trans-1,3-Dichloropropene

Concen: 1.045 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.01 min

Lab File: VU032422.D

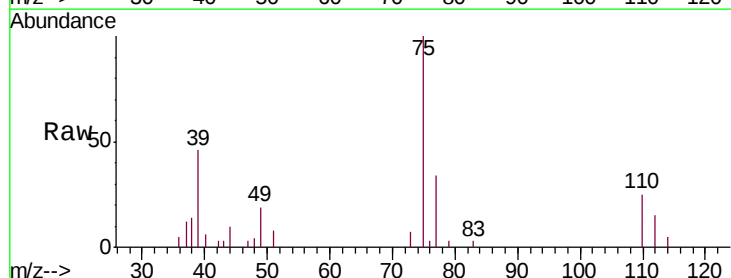
Acq: 04 Jun 2019 12:50

Tgt Ion: 75 Resp: 8765

Ion Ratio Lower Upper

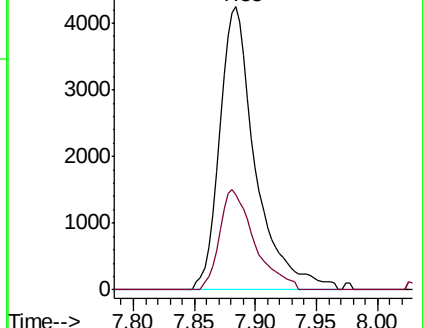
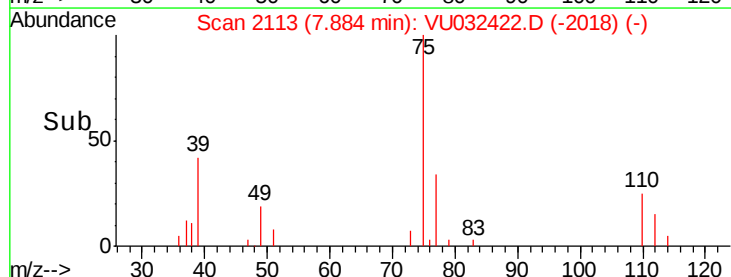
75 100

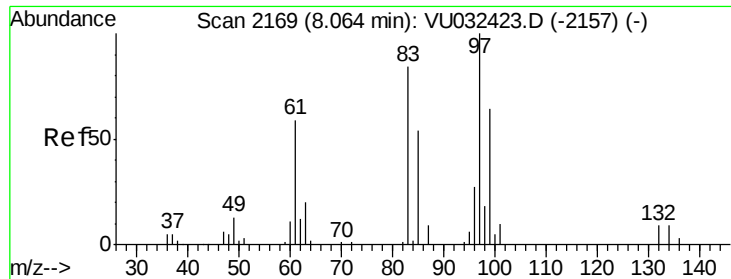
77 33.9 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU032422.D (-2018) (-)

Ion 77.05 (76.75 to 77.75): VU032422.D (-2018) (-)

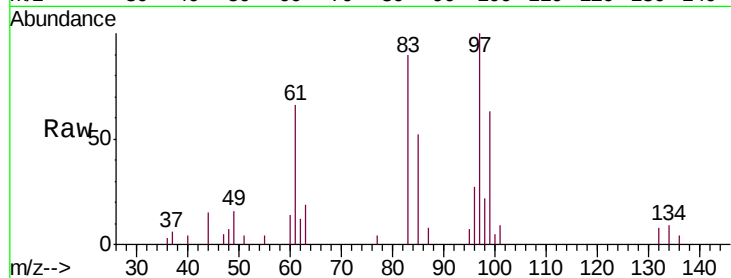




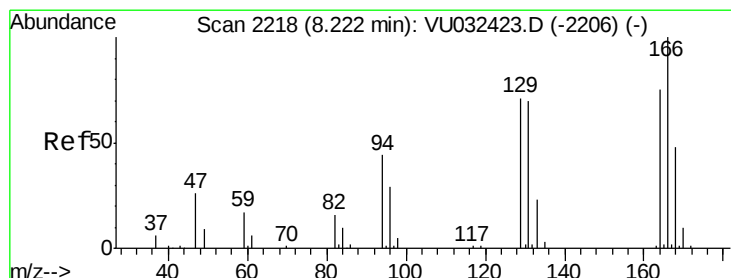
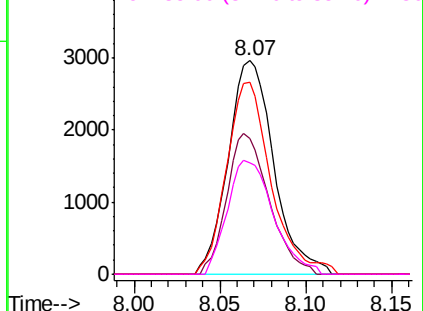
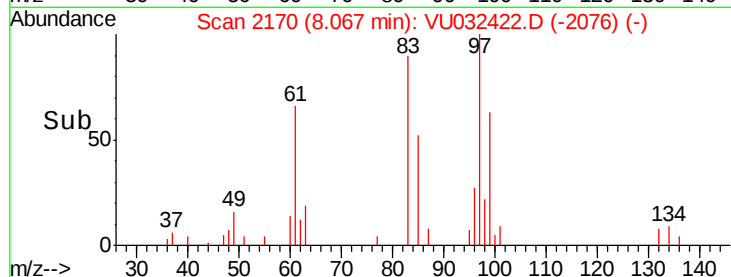
#45
 1,1,2-Trichloroethane
 Concen: 1.054 ug/L
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU032422.D
 Acq: 04 Jun 2019 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00110

Tgt Ion:	97	Resp:	5500
Ion	Ratio	Lower	Upper
97	100		
99	63.3	44.9	83.3
83	89.9	58.7	108.9
85	52.2	37.9	70.5

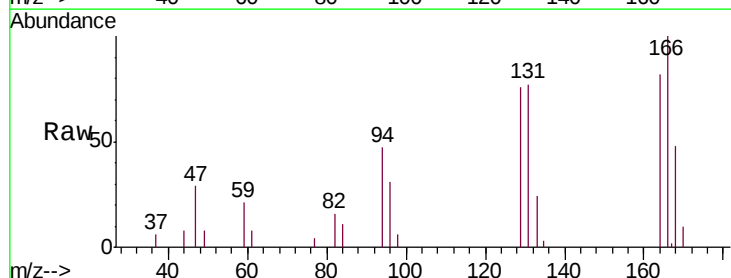


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

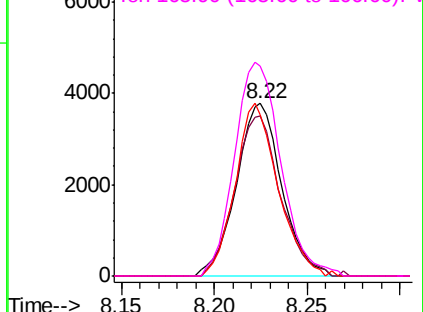
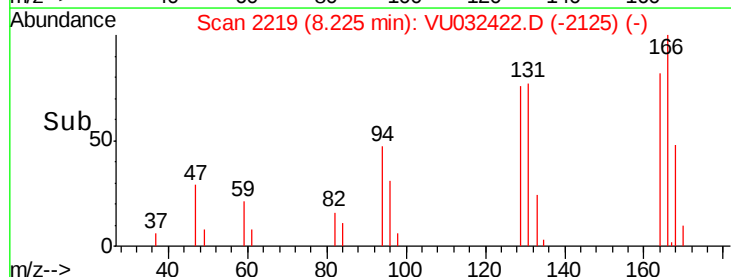


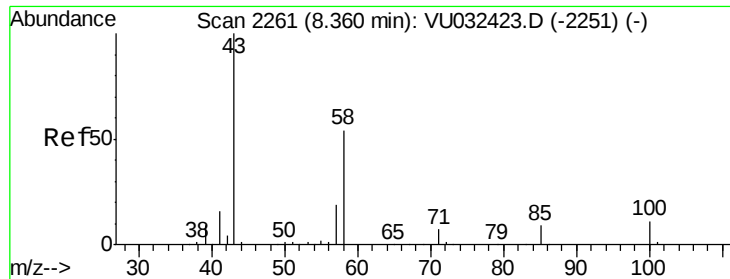
#47
 Tetrachloroethene
 Concen: 1.064 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU032422.D
 Acq: 04 Jun 2019 12:50

Tgt Ion:	164	Resp:	6427
Ion	Ratio	Lower	Upper
164	100		
129	92.4	66.1	122.7
131	93.3	65.6	121.8
166	121.6	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

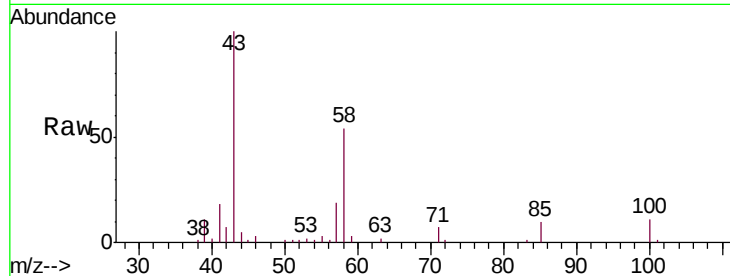




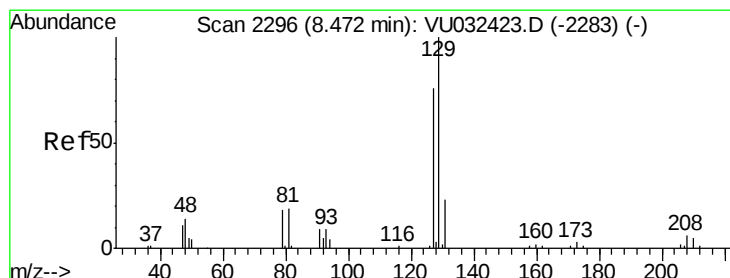
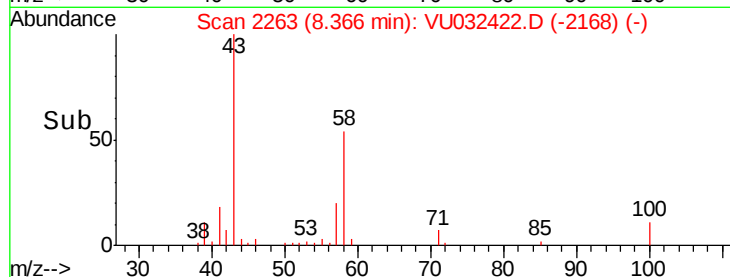
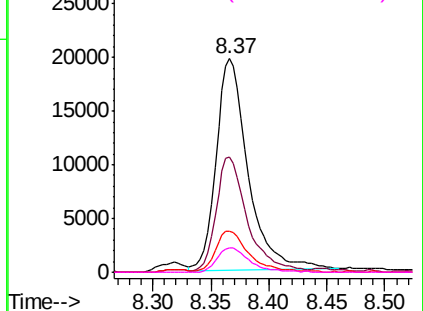
#48
2-Hexanone
Concen: 10.898 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU032422.D
Acq: 04 Jun 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD00110

Tgt Ion: 43 Resp: 37819
Ion Ratio Lower Upper
43 100
58 51.8 41.9 62.9
57 20.6 15.1 22.7
100 11.6 9.0 13.6

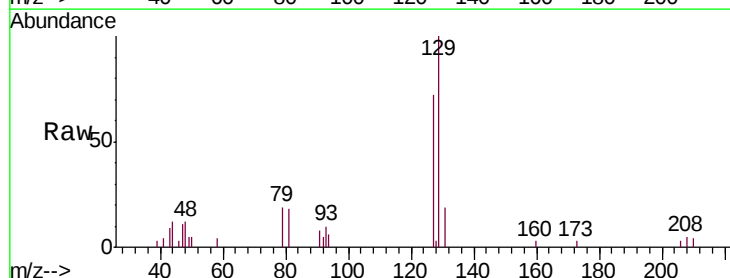


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

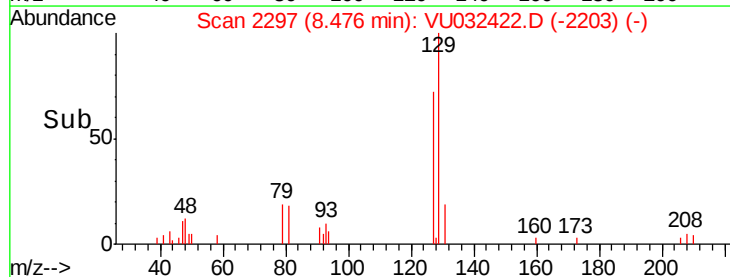
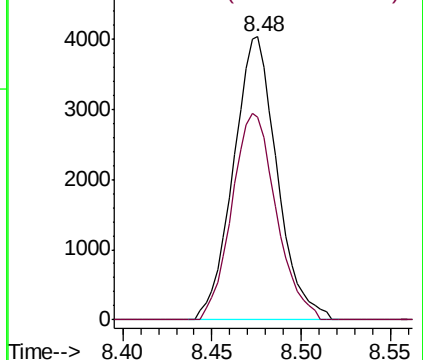


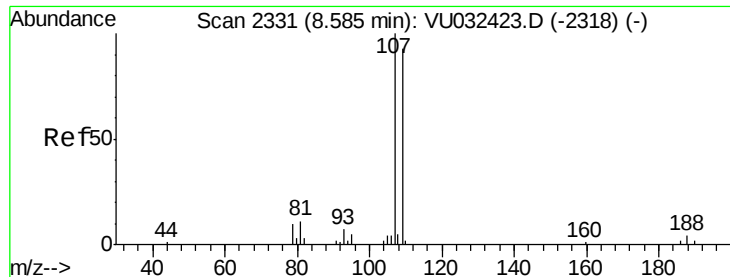
#49
Dibromochloromethane
Concen: 1.089 ug/L
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU032422.D
Acq: 04 Jun 2019 12:50

Tgt Ion: 129 Resp: 6872
Ion Ratio Lower Upper
129 100
127 71.6 53.3 98.9



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

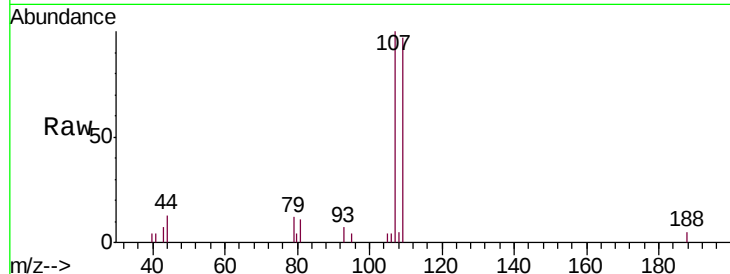




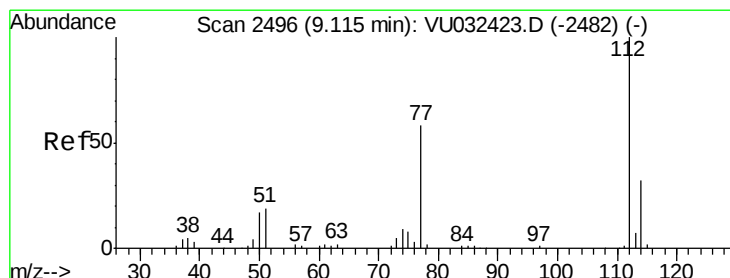
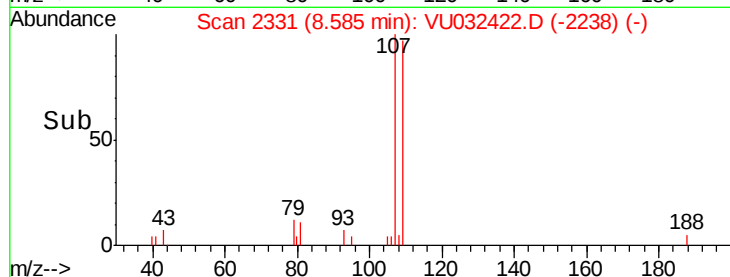
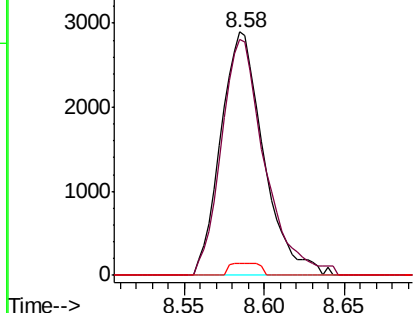
#50
1,2-Dibromoethane
Concen: 1.047 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU032422.D
Acq: 04 Jun 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD00110

Tgt Ion:107 Resp: 5299
Ion Ratio Lower Upper
107 100
109 96.7 65.2 121.0
188 5.1 3.1 4.7#

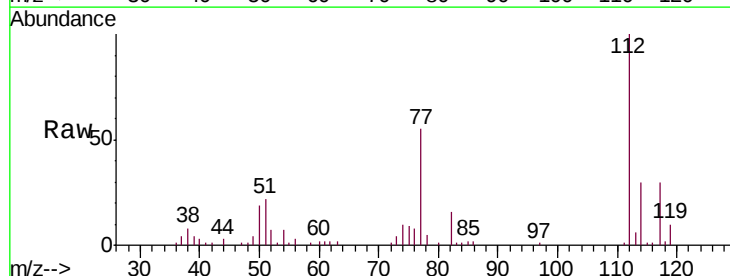


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

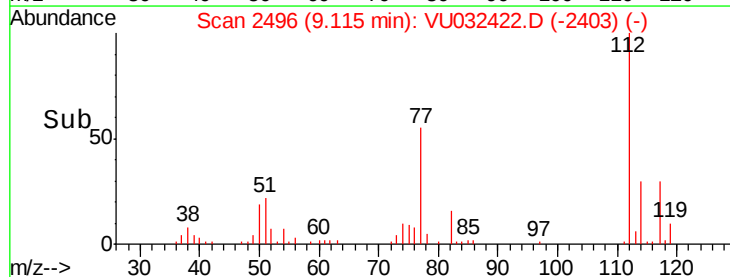
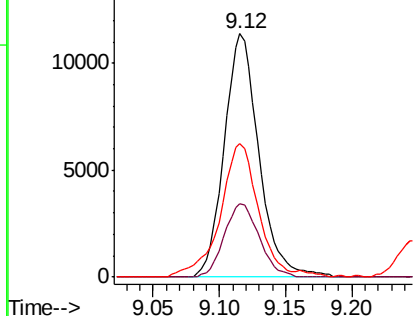


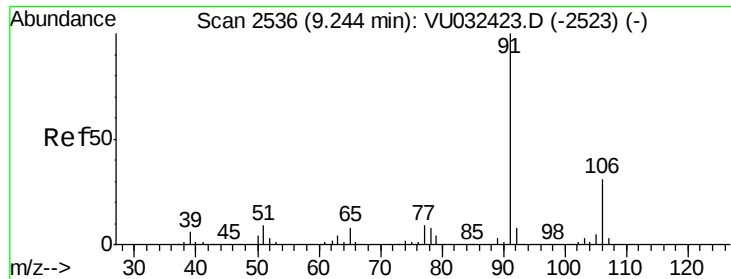
#51
Chlorobenzene
Concen: 1.083 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU032422.D
Acq: 04 Jun 2019 12:50

Tgt Ion:112 Resp: 20666
Ion Ratio Lower Upper
112 100
114 30.3 22.4 41.6
77 54.8 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: 1.063 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU032422.D

Acq: 04 Jun 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

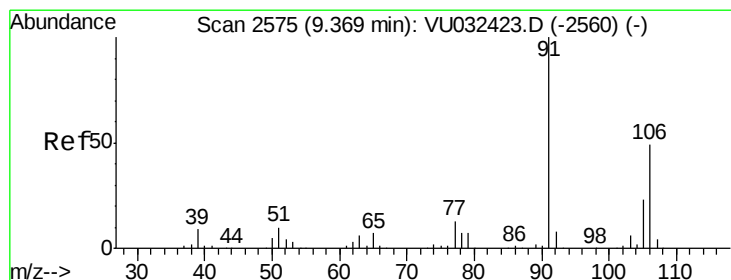
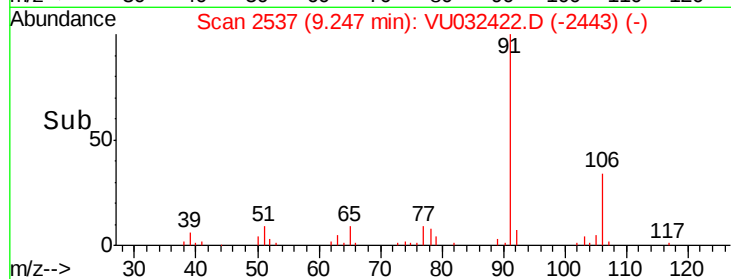
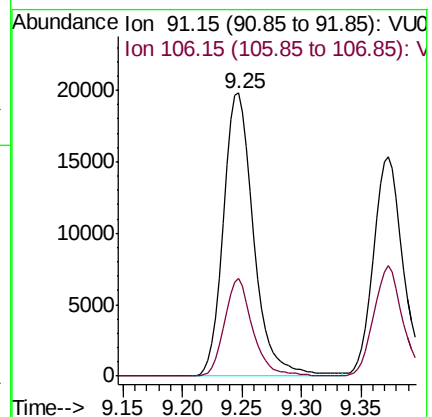
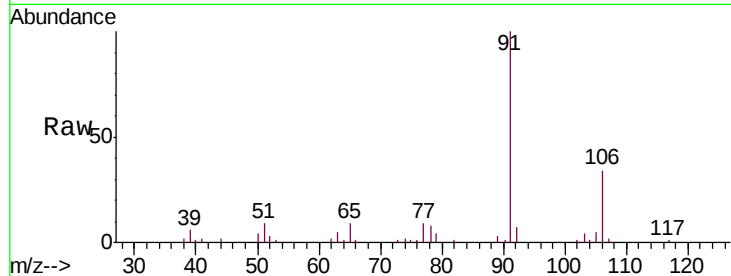
VSTD00110

Tgt Ion: 91 Resp: 35018

Ion Ratio Lower Upper

91 100

106 34.4 21.8 40.6



#53

m,p-Xylene

Concen: 1.075 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU032422.D

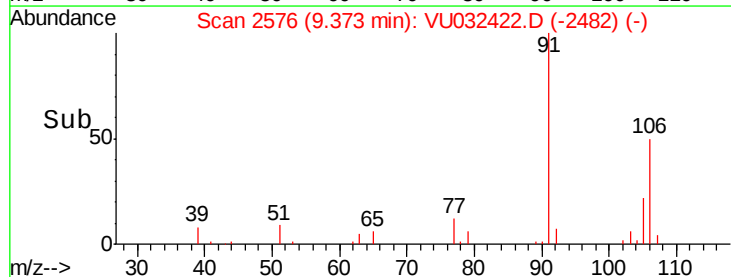
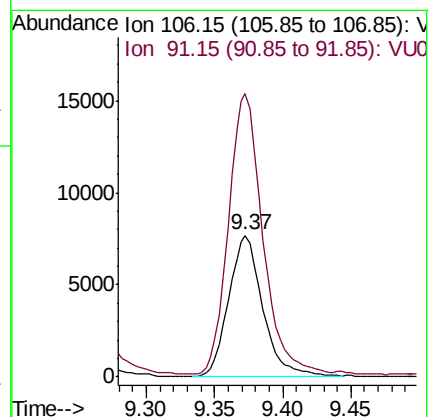
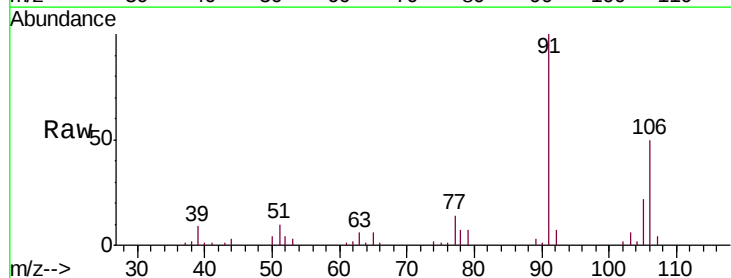
Acq: 04 Jun 2019 12:50

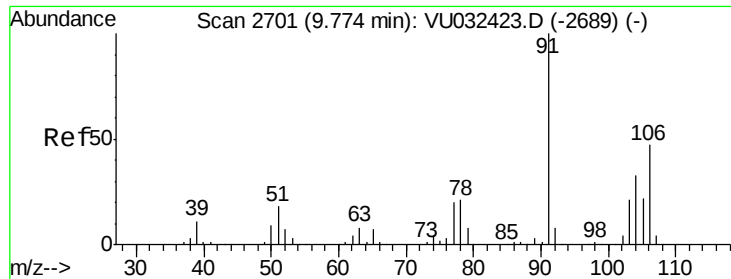
Tgt Ion: 106 Resp: 13395

Ion Ratio Lower Upper

106 100

91 199.7 142.4 264.4

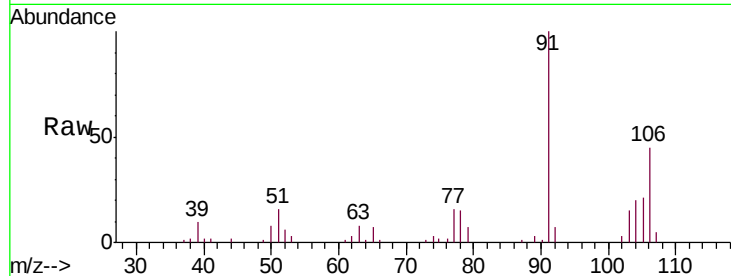




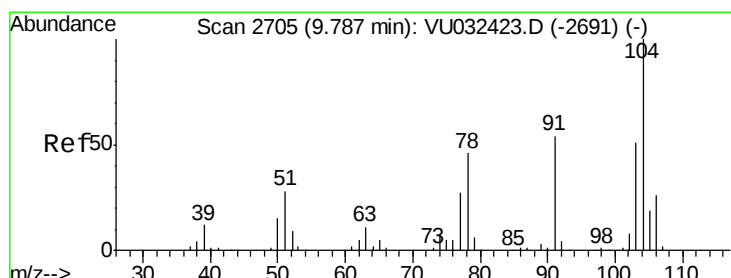
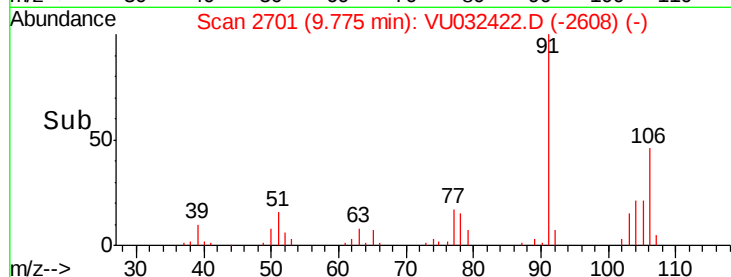
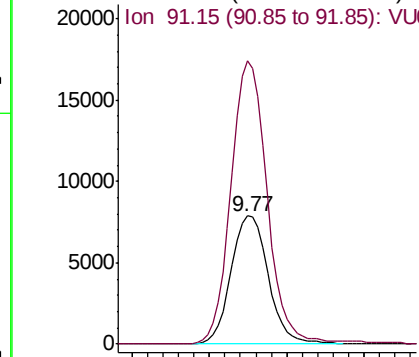
#54
o-Xylene
Concen: 1.086 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU032422.D
Acq: 04 Jun 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD00110

Tgt Ion:106 Resp: 13180
Ion Ratio Lower Upper
106 100
91 220.5 148.8 276.4

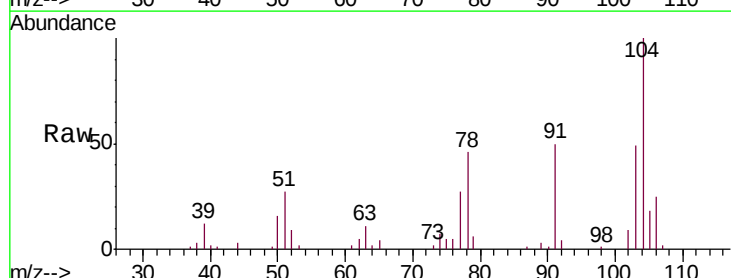


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

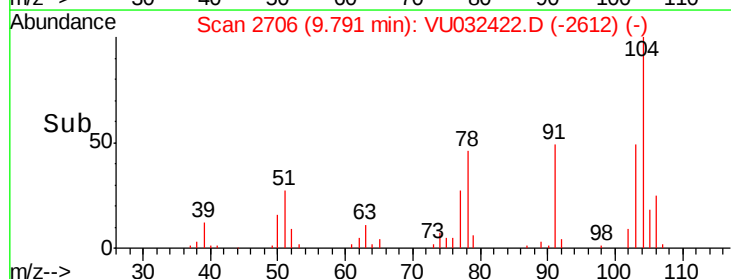
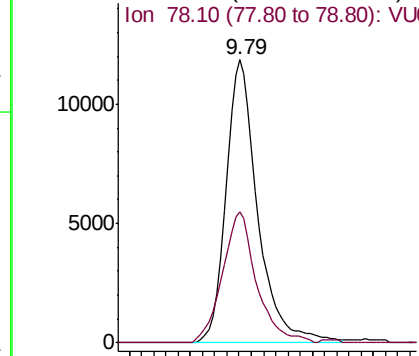


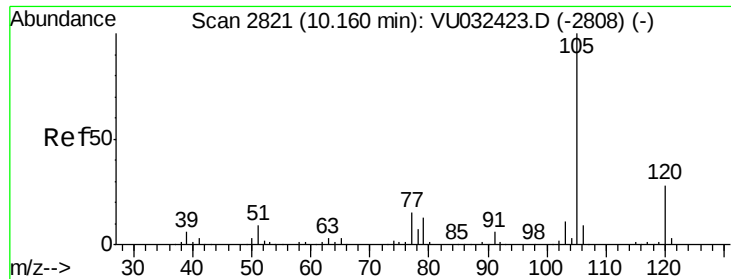
#55
Styrene
Concen: 1.063 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU032422.D
Acq: 04 Jun 2019 12:50

Tgt Ion:104 Resp: 21563
Ion Ratio Lower Upper
104 100
78 46.4 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: 1.083 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU032422.D

Acq: 04 Jun 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00110

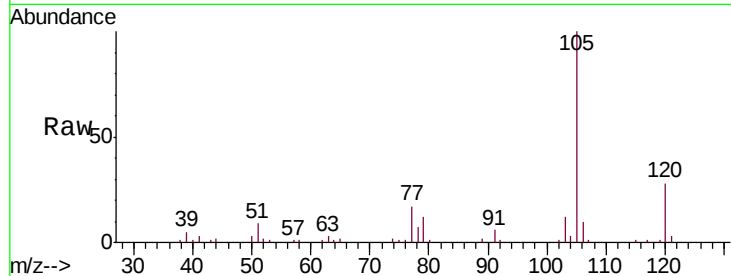
Tgt Ion: 105 Resp: 34462

Ion Ratio Lower Upper

105 100

120 27.5 21.6 32.4

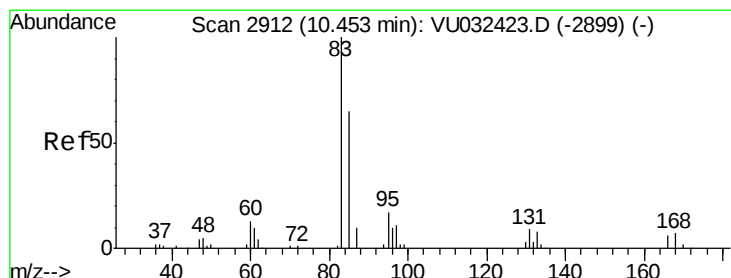
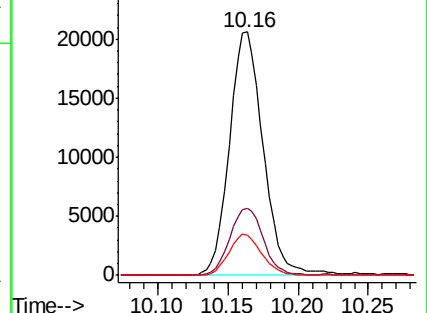
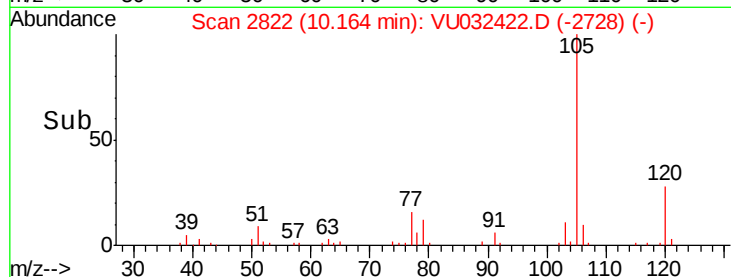
77 16.3 12.3 18.5



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: 1.071 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032422.D

Acq: 04 Jun 2019 12:50

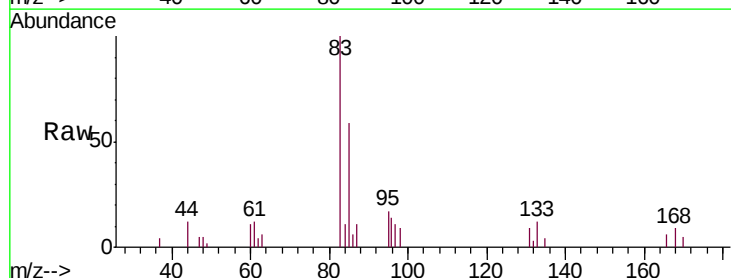
Tgt Ion: 83 Resp: 7065

Ion Ratio Lower Upper

83 100

85 58.9 45.7 84.9

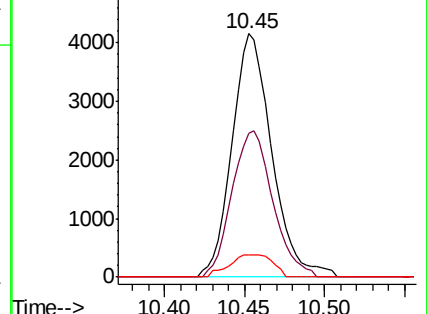
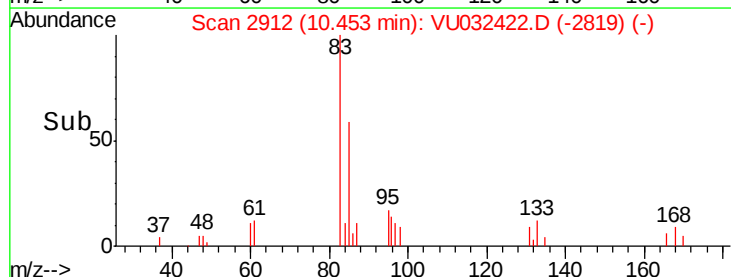
131 9.3 8.0 12.0

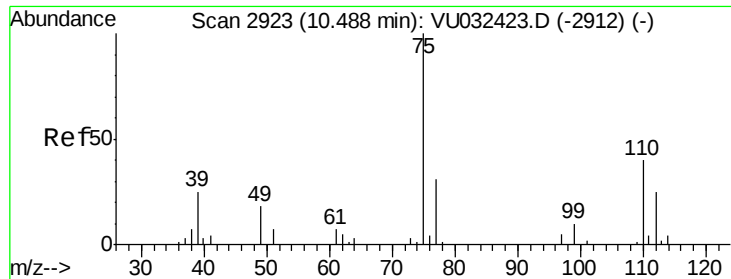


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

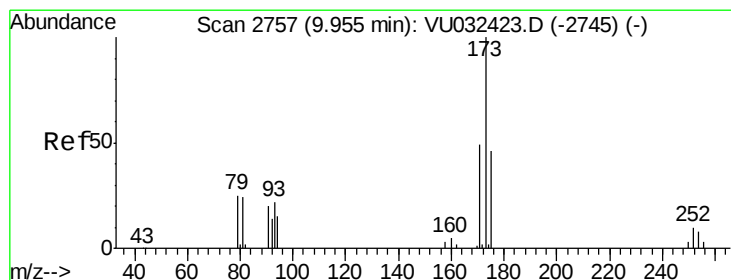
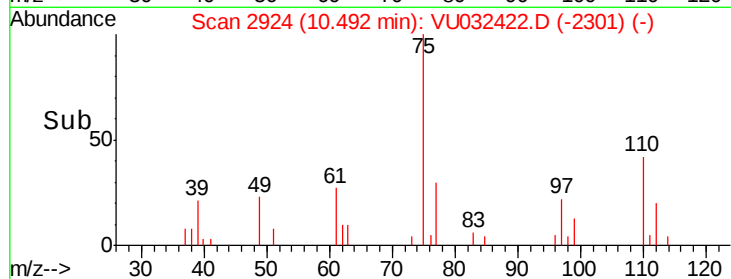
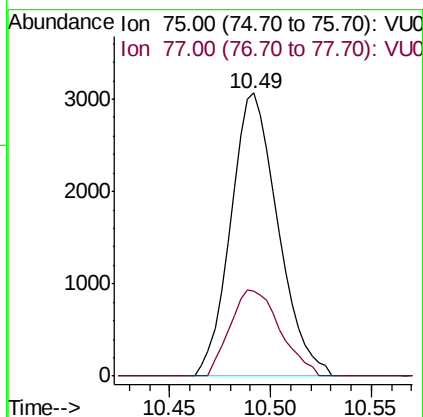
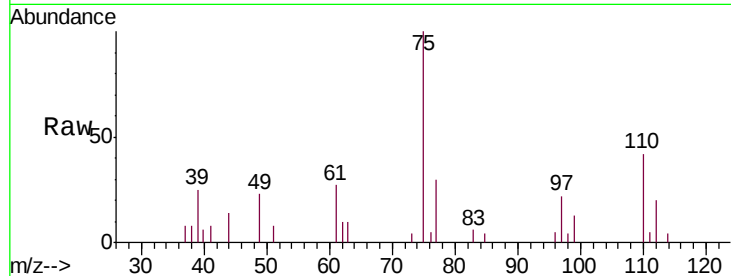




#59
 1,2,3-Trichloropropane
 Concen: 1.082 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU032422.D
 Acq: 04 Jun 2019 12:50

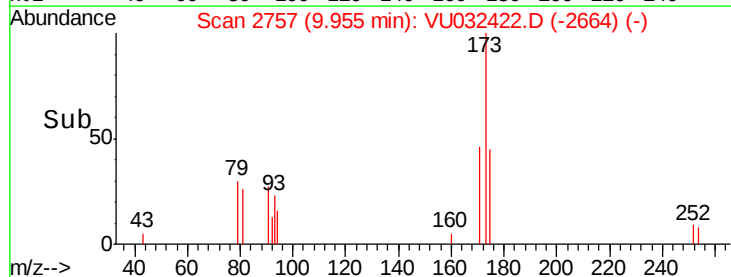
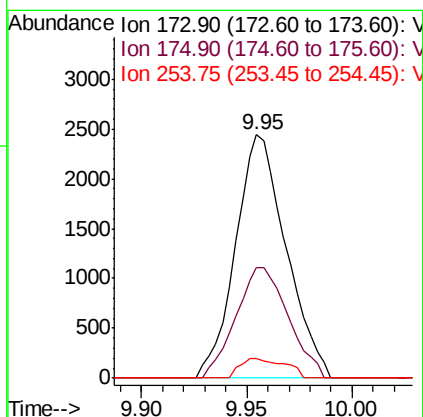
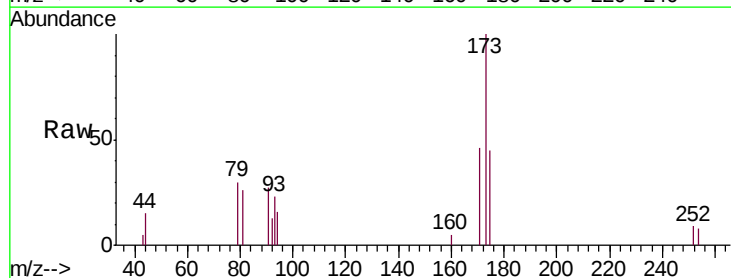
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00110

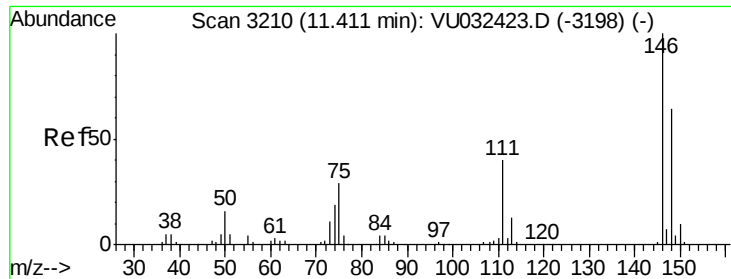
Tgt Ion: 75 Resp: 5033
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.3 37.9



#61
 Bromoform
 Concen: 1.050 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU032422.D
 Acq: 04 Jun 2019 12:50

Tgt Ion: 173 Resp: 4057
 Ion Ratio Lower Upper
 173 100
 175 47.1 37.9 56.9
 254 7.2 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 1.050 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU032422.D

Acq: 04 Jun 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00110

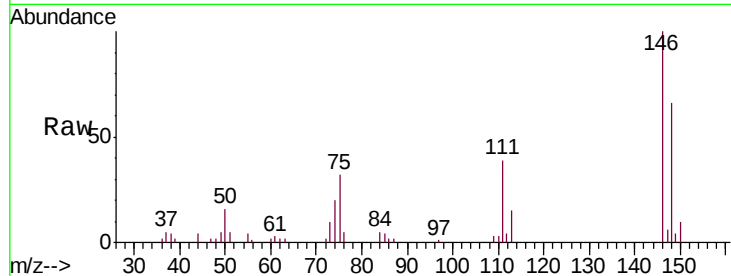
Tgt Ion:146 Resp: 15780

Ion Ratio Lower Upper

146 100

111 38.5 27.7 51.5

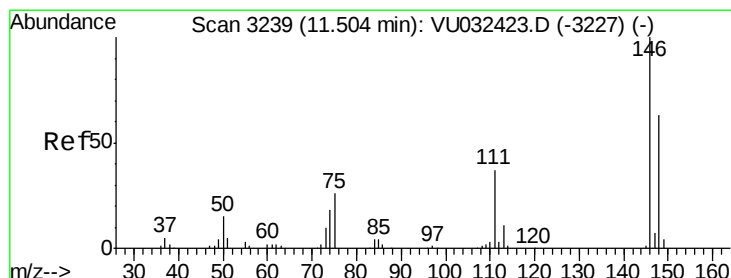
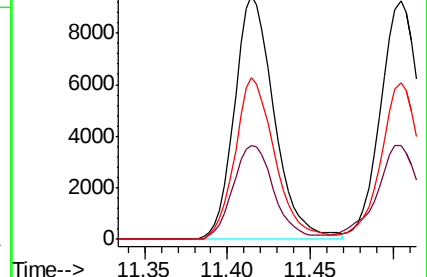
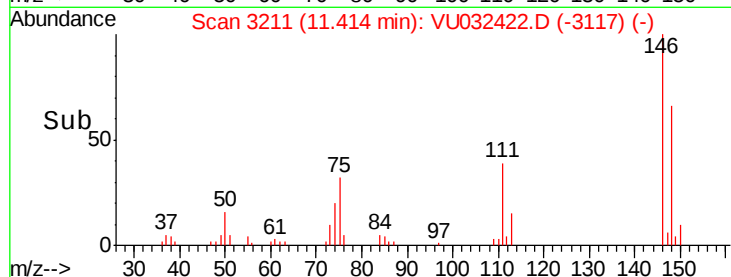
148 66.5 44.7 83.1



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: 1.047 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU032422.D

Acq: 04 Jun 2019 12:50

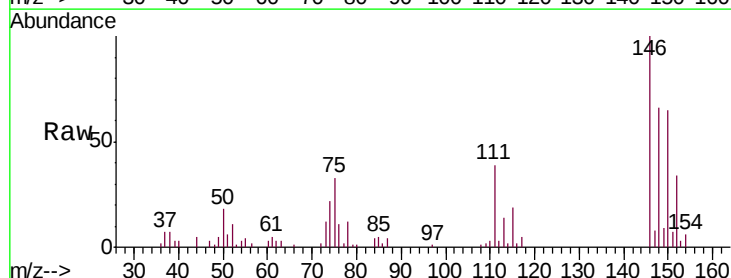
Tgt Ion:146 Resp: 15931

Ion Ratio Lower Upper

146 100

111 39.3 26.2 48.6

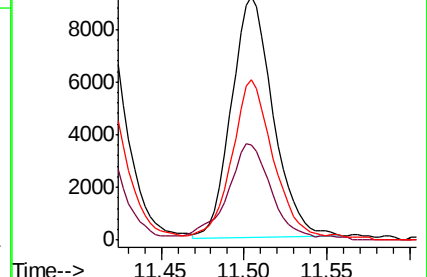
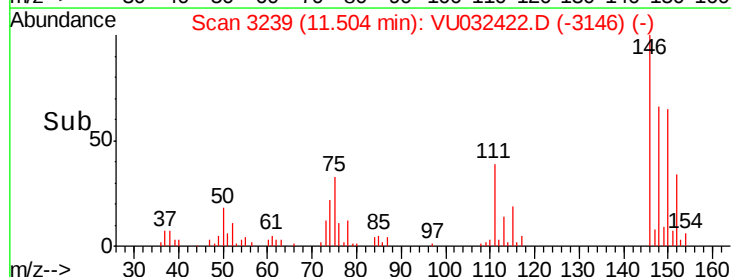
148 66.0 43.9 81.5

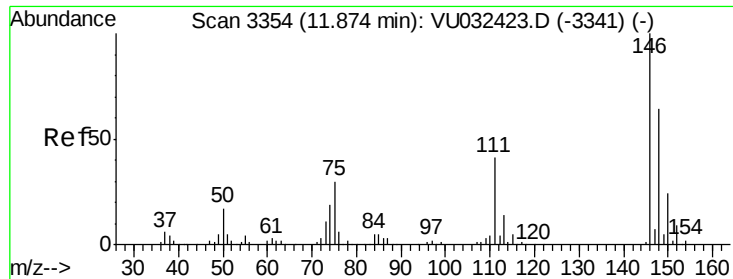


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

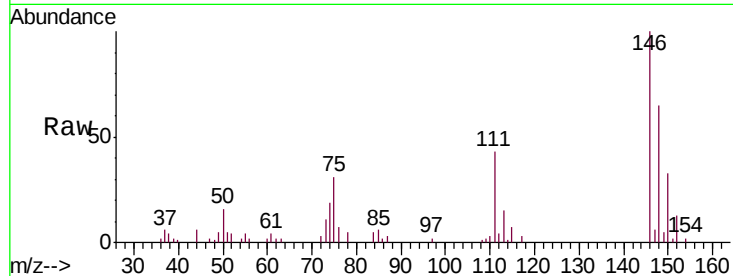




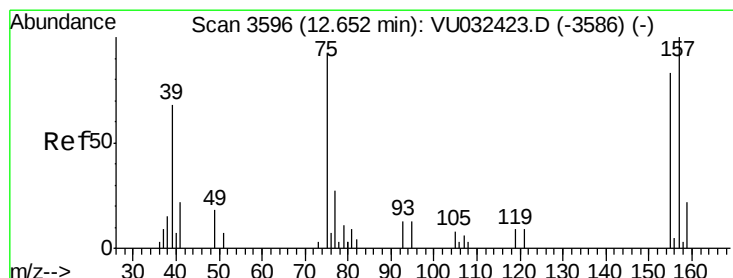
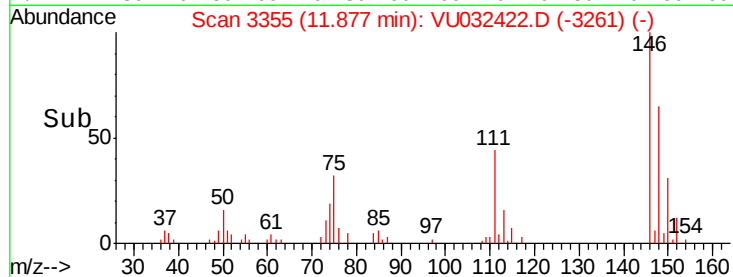
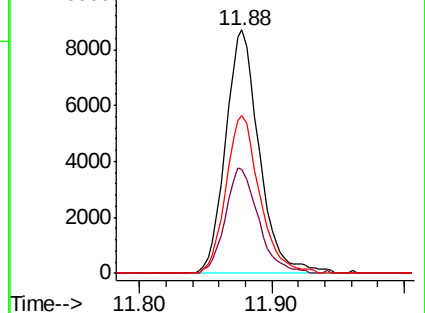
#65
 1,2-Dichlorobenzene
 Concen: 1.054 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU032422.D
 Acq: 04 Jun 2019 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00110

Tgt Ion: 146 Resp: 15351
 Ion Ratio Lower Upper
 146 100
 111 42.8 33.0 49.4
 148 64.9 51.5 77.3

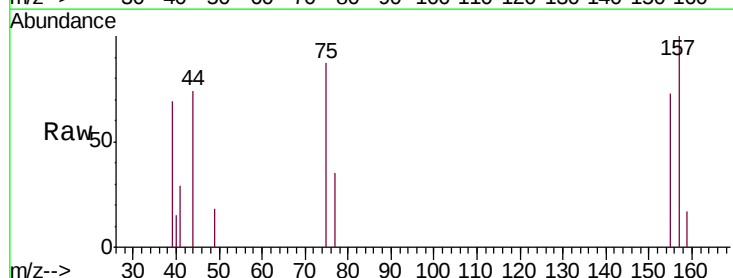


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

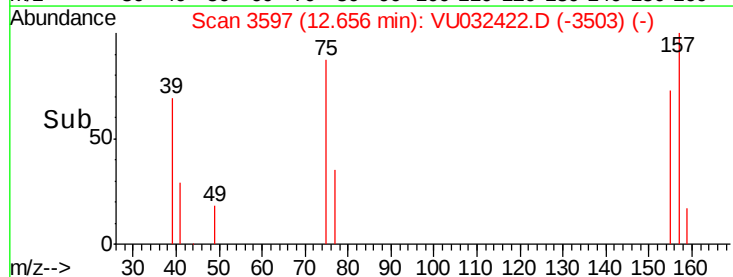
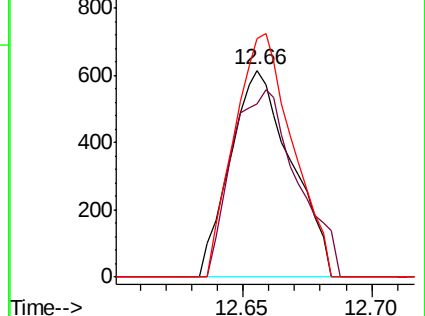


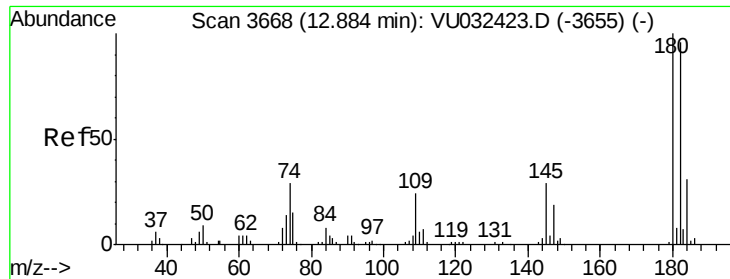
#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.937 ug/L
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU032422.D
 Acq: 04 Jun 2019 12:50

Tgt Ion: 75 Resp: 1016
 Ion Ratio Lower Upper
 75 100
 155 83.9 72.3 108.5
 157 115.3 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

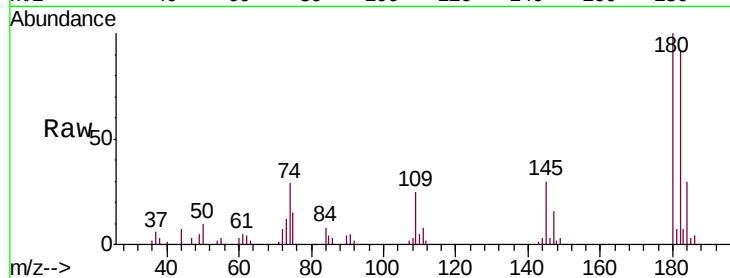




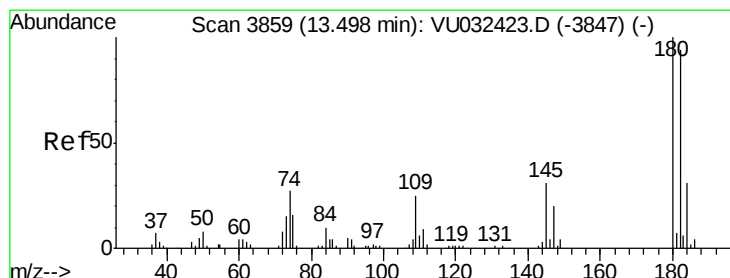
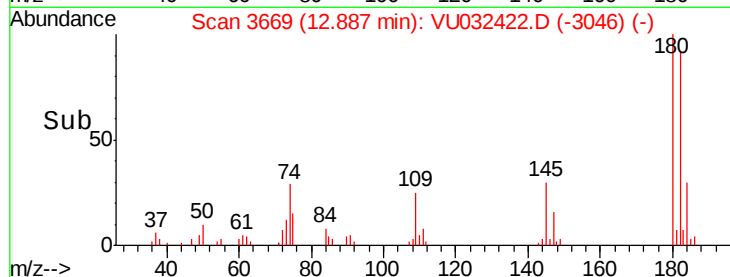
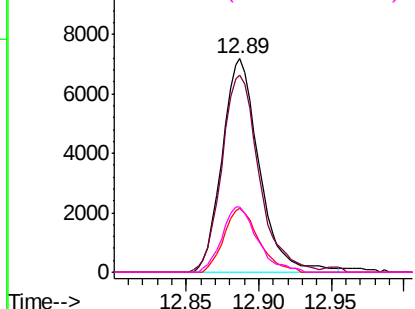
#67
 1,3,5-Trichlorobenzene
 Concen: 1.041 ug/L
 RT: 12.89 min Scan# 3669
 Delta R.T. 0.00 min
 Lab File: VU032422.D
 Acq: 04 Jun 2019 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00110

Tgt Ion:180 Resp: 12690
 Ion Ratio Lower Upper
 180 100
 182 93.1 76.6 115.0
 184 28.0 24.2 36.4
 145 29.4 23.5 35.3

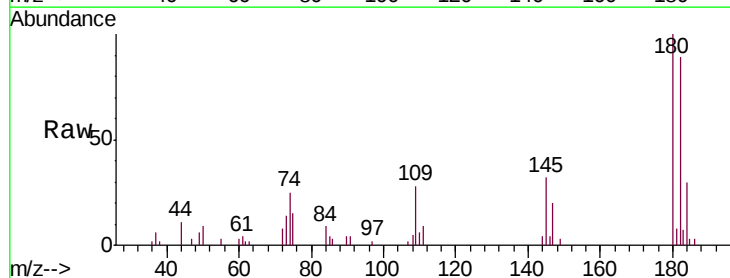


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

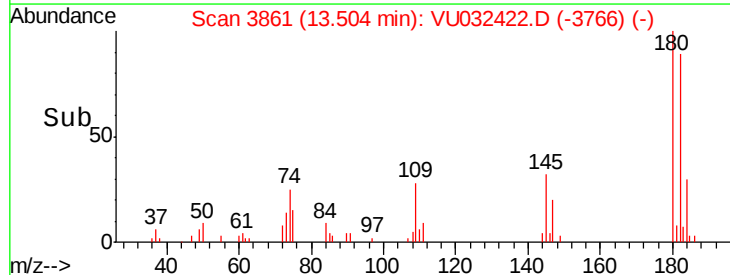
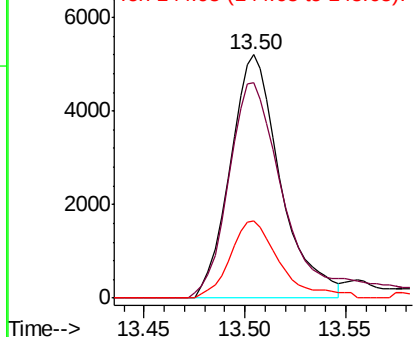


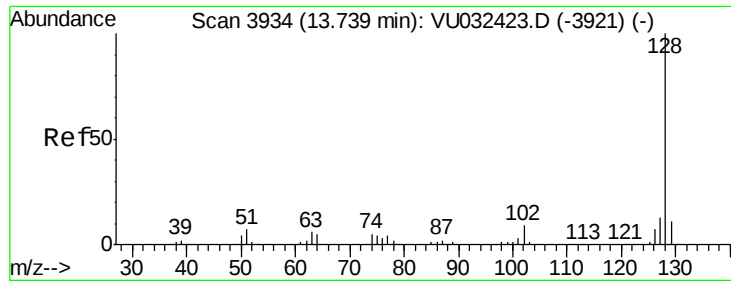
#68
 1,2,4-trichlorobenzene
 Concen: 0.901 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.01 min
 Lab File: VU032422.D
 Acq: 04 Jun 2019 12:50

Tgt Ion:180 Resp: 9050
 Ion Ratio Lower Upper
 180 100
 182 103.8 74.8 112.2
 145 31.4 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: 0.469 ug/L

RT: 13.75 min Scan# 3936

Delta R.T. 0.01 min

Lab File: VU032422.D

Acq: 04 Jun 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00110

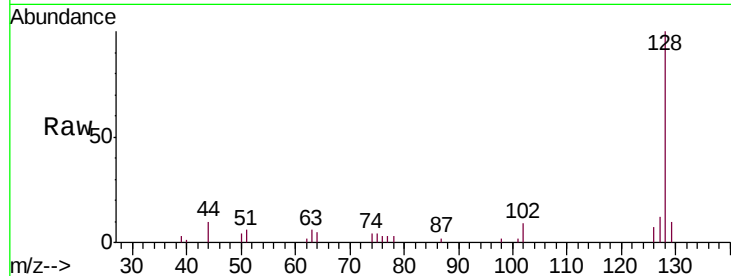
Tgt Ion:128 Resp: 13887

Ion Ratio Lower Upper

128 100

129 10.9 8.1 12.1

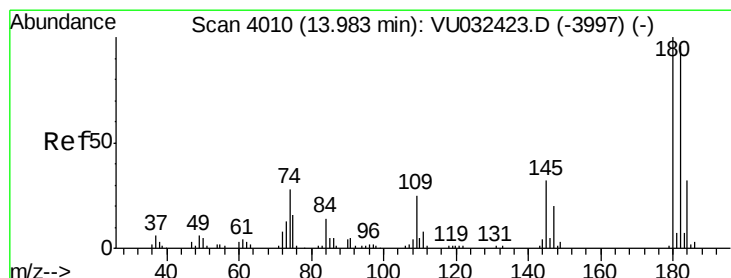
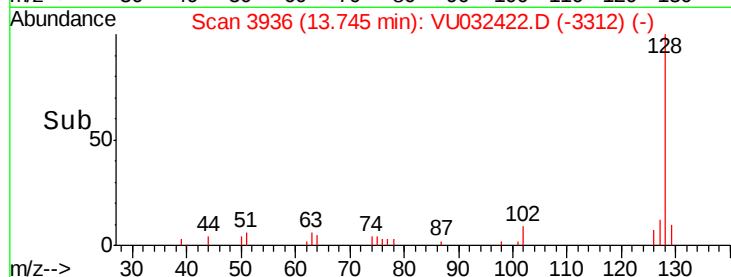
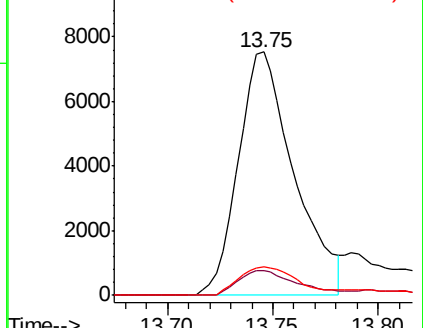
127 12.0 10.4 15.6



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: 0.995 ug/L

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU032422.D

Acq: 04 Jun 2019 12:50

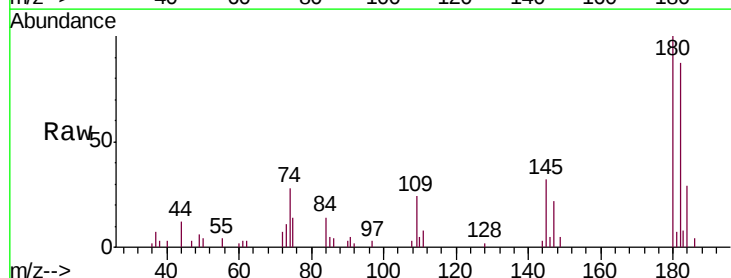
Tgt Ion:180 Resp: 9667

Ion Ratio Lower Upper

180 100

182 95.9 73.8 110.6

145 31.7 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

