

Data File : VU032423.D
Acq On : 04 Jun 2019 13:15
Operator : JC/SP
Sample : VSTD00511
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Quant Time: Jun 04 22:36:00 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	106751	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	98678	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	50701	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	33650	3.99	ug/L	0.00
7) Chloroethane-d5	1.68	69	27714	3.97	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	68924	3.98	ug/L	0.00
20) 2-Butanone-d5	4.20	46	97763	48.63	ug/L	0.00
24) Chloroform-d	4.64	84	61188	4.82	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	31653	4.89	ug/L	0.00
32) Benzene-d6	5.33	84	121927	4.63	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	37550	4.56	ug/L	0.00
41) Toluene-d8	7.56	98	112858	4.61	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	16525	4.87	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	81187	49.30	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	31507	4.83	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	45196	4.80	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	44574	5.038 ug/L	100
3) Chloromethane	1.32	50	45811	4.337 ug/L	100
5) Vinyl chloride	1.40	62	45894	4.347 ug/L	100
6) Bromomethane	1.63	94	26872	4.162 ug/L	100
8) Chloroethane	1.70	64	27333	4.142 ug/L	100
9) Trichlorofluoromethane	1.88	101	65784	4.646 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	34181	4.227 ug/L	100
12) 1,1-Dichloroethene	2.28	96	31981	4.053 ug/L	100
13) Acetone	2.34	43	72273	44.588 ug/L	100
14) Carbon disulfide	2.47	76	105979	3.916 ug/L	100
15) Methyl Acetate	2.62	43	18331	3.939 ug/L	100
16) Methylene chloride	2.69	84	35474	3.593 ug/L	100
17) Methyl tert-butyl Ether	3.00	73	96013	4.360 ug/L	100
18) trans-1,2-Dichloroethene	2.97	96	35257	4.121 ug/L	100
19) 1,1-Dichloroethane	3.43	63	63872	4.804 ug/L	100
21) 2-Butanone	4.29	43	108344	49.930 ug/L	100
22) cis-1,2-Dichloroethene	4.22	96	40169	5.139 ug/L	100
23) Bromochloromethane	4.54	128	17325	4.965 ug/L	100
25) Chloroform	4.67	83	65530	5.058 ug/L	100
27) 1,2-Dichloroethane	5.40	62	42623	5.119 ug/L	100
29) 1,1,1-Trichloroethane	4.91	97	59690	5.375 ug/L	100
30) Cyclohexane	4.98	56	61857	4.833 ug/L	100
31) Carbon tetrachloride	5.13	117	54260	5.544 ug/L	100
33) Benzene	5.38	78	144572	4.972 ug/L	100
34) Trichloroethene	6.18	95	39593	4.898 ug/L	100
35) Methylcyclohexane	6.41	83	65535	5.377 ug/L	100
37) 1,2-Dichloropropane	6.43	63	37581	4.920 ug/L	100
38) Bromodichloromethane	6.75	83	48139	5.218 ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	56703	5.147 ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	265202	52.110 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	159025	5.046	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	45827	5.343	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	26919	5.046	ug/L	100
47) Tetrachloroethene	8.22	164	32495	5.261	ug/L	100
48) 2-Hexanone	8.36	43	189465	53.413	ug/L	100
49) Dibromochloromethane	8.47	129	34787	5.392	ug/L	100
50) 1,2-Dibromoethane	8.58	107	27077	5.235	ug/L	100
51) Chlorobenzene	9.12	112	101178	5.185	ug/L	100
52) Ethylbenzene	9.24	91	176806	5.251	ug/L	100
53) m,p-Xylene	9.37	106	68210	5.354	ug/L	100
54) o-Xylene	9.77	106	67089	5.406	ug/L	100
55) Styrene	9.79	104	111500	5.377	ug/L	100
56) Isopropylbenzene	10.16	105	175821	5.405	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	34372	5.096	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	24826	5.223	ug/L	100
61) Bromoform	9.95	173	20155	5.018	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	83387	5.338	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	84122	5.319	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	79129	5.227	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	6067	5.380	ug/L	100
67) 1,3,5-Trichlorobenzene	12.88	180	66927	5.281	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	56272	5.386	ug/L	100
69) Naphthalene	13.74	128	102434	3.325	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	53608	5.309	ug/L	100

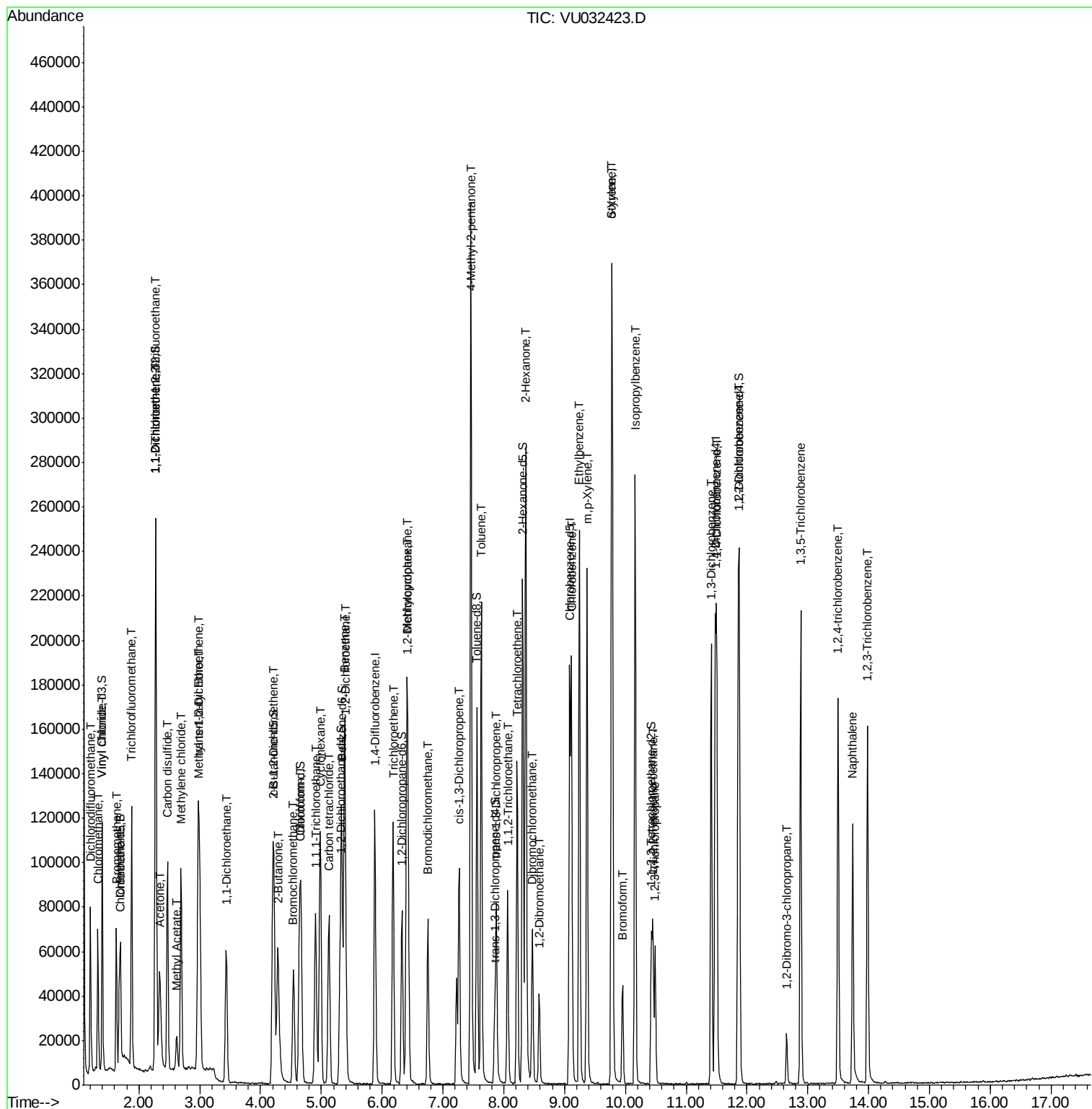
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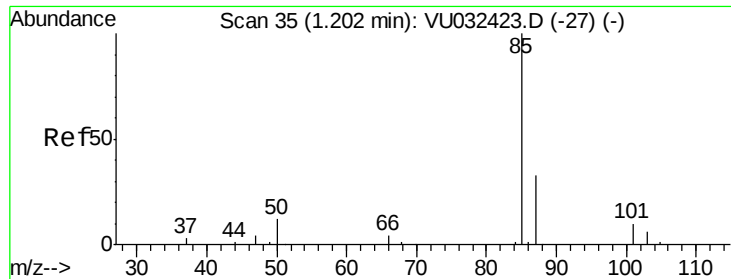
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#2

Dichlorodifluoromethane

Concen: 5.038 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032423.D

Acq: 04 Jun 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

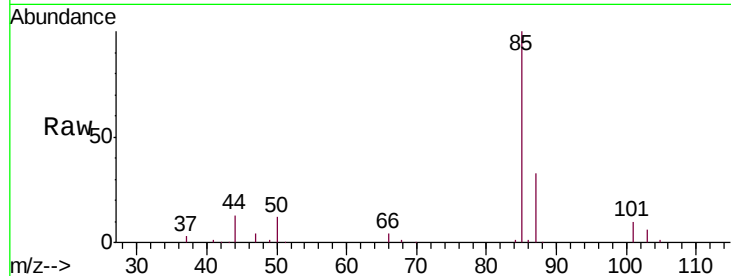
VSTD00511

Tgt Ion: 85 Resp: 44574

Ion Ratio Lower Upper

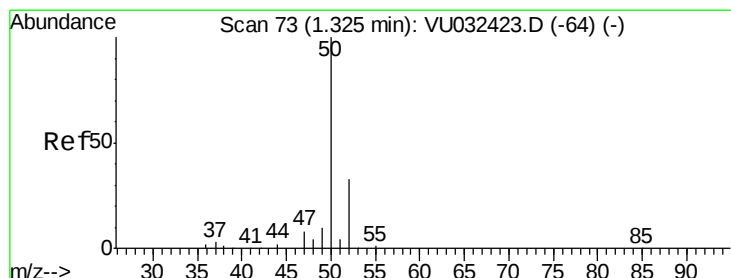
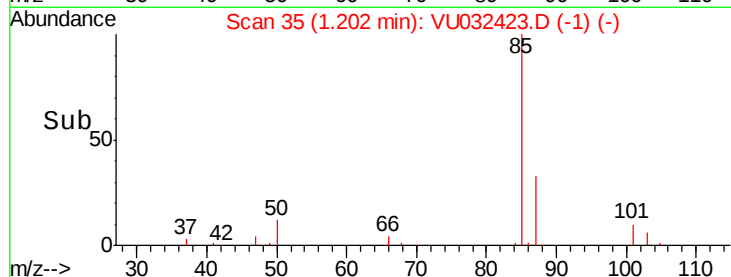
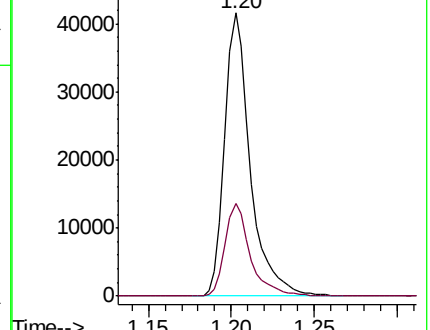
85 100

87 32.3 25.8 38.8



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

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



#3

Chloromethane

Concen: 4.337 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032423.D

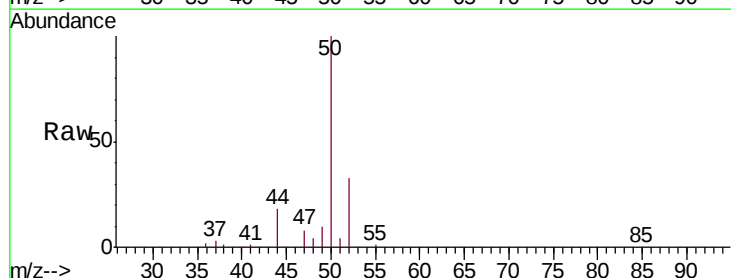
Acq: 04 Jun 2019 13:15

Tgt Ion: 50 Resp: 45811

Ion Ratio Lower Upper

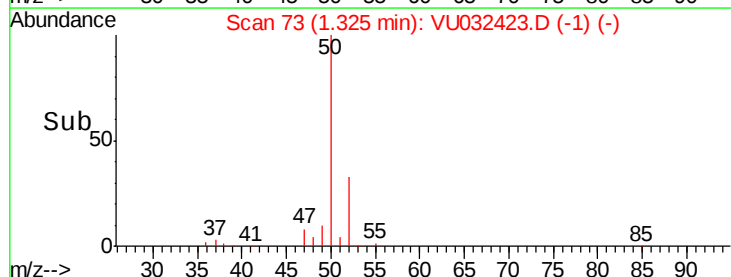
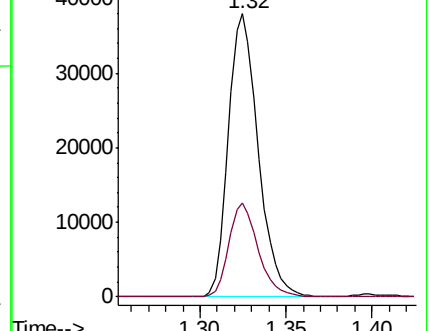
50 100

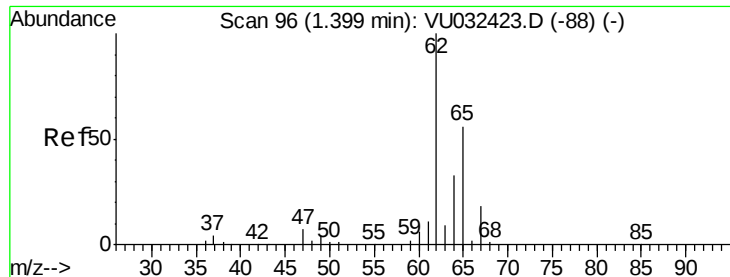
52 33.2 23.2 43.2



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

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





#5

Vinyl chloride

Concen: 4.347 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032423.D

Acq: 04 Jun 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

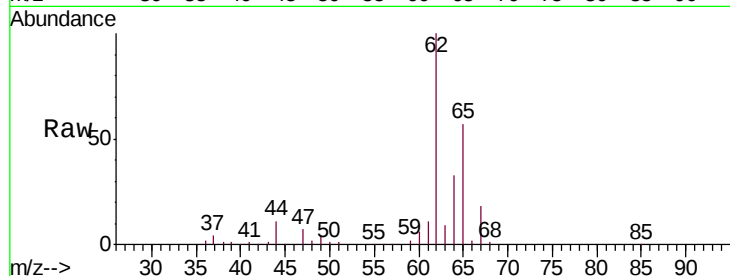
VSTD00511

Tgt Ion: 62 Resp: 45894

Ion Ratio Lower Upper

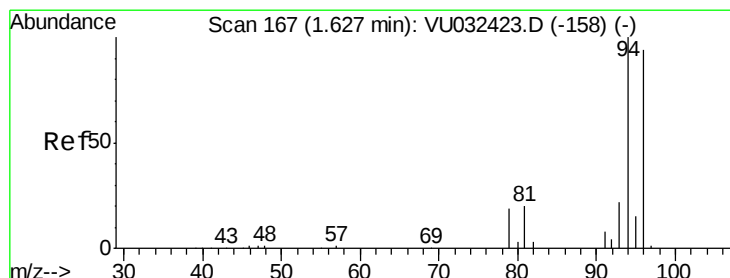
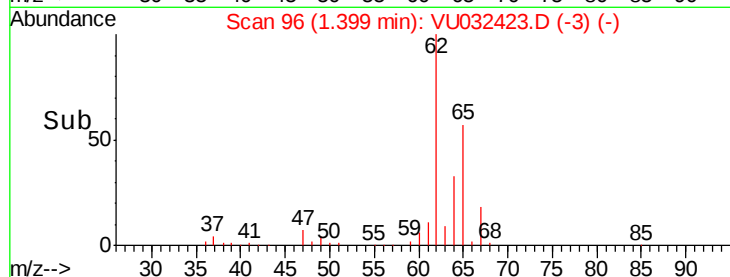
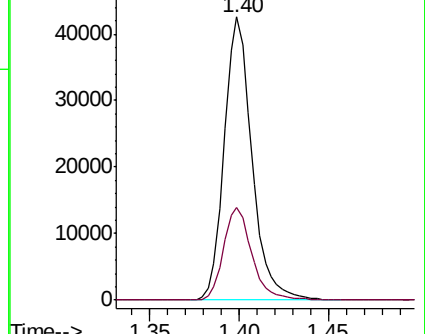
62 100

64 32.9 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU032423.D (-88) (-)

Ion 64.10 (63.80 to 64.80): VU032423.D (-88) (-)



#6

Bromomethane

Concen: 4.162 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU032423.D

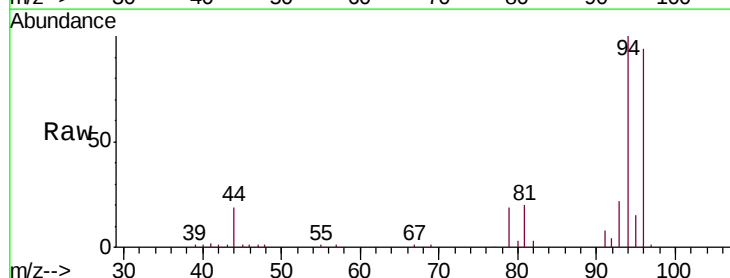
Acq: 04 Jun 2019 13:15

Tgt Ion: 94 Resp: 26872

Ion Ratio Lower Upper

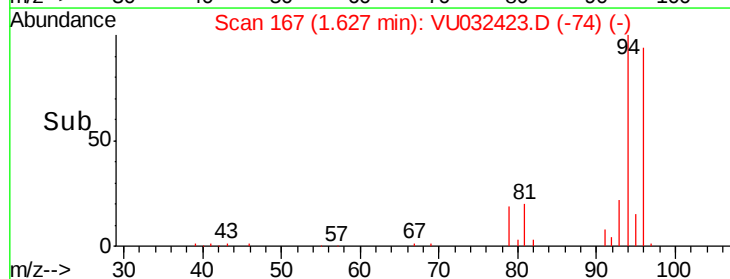
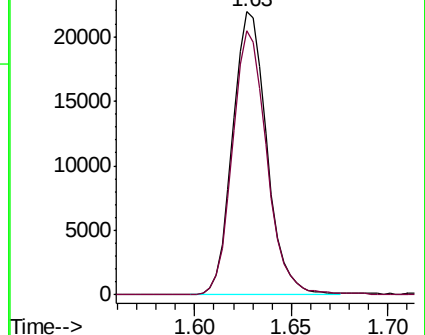
94 100

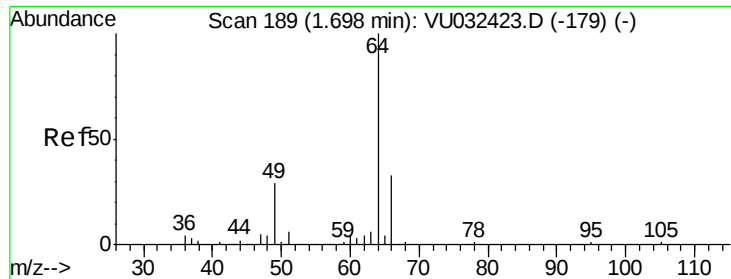
96 93.5 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VU032423.D (-158) (-)

Ion 96.00 (95.70 to 96.70): VU032423.D (-158) (-)





#8

Chloroethane

Concen: 4.142 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU032423.D

Acq: 04 Jun 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

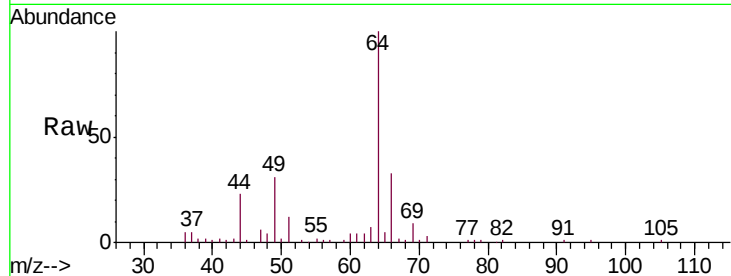
VSTD00511

Tgt Ion: 64 Resp: 27333

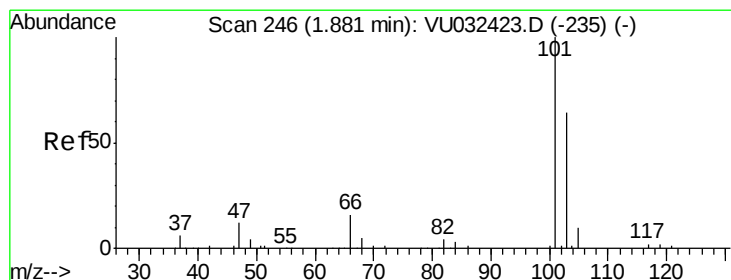
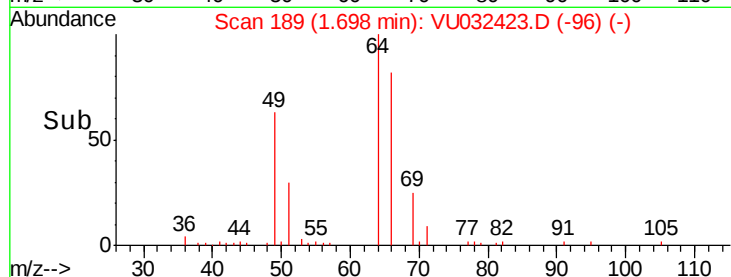
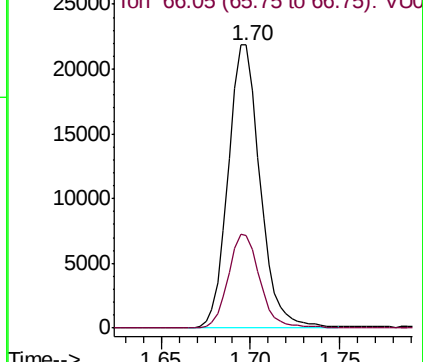
Ion Ratio Lower Upper

64 100

66 32.6 22.8 42.4



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



#9

Trichlorofluoromethane

Concen: 4.646 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU032423.D

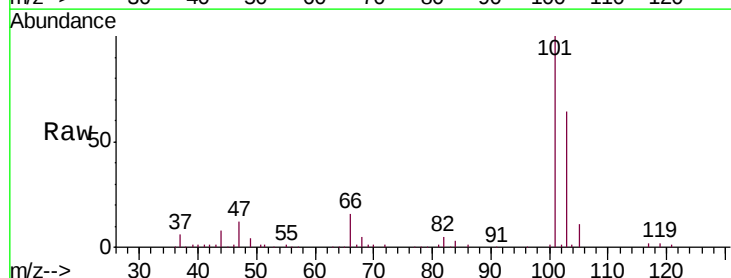
Acq: 04 Jun 2019 13:15

Tgt Ion: 101 Resp: 65784

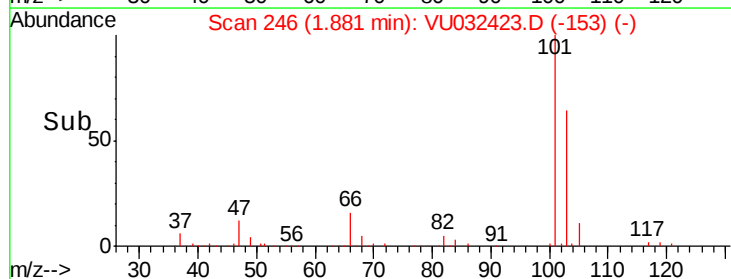
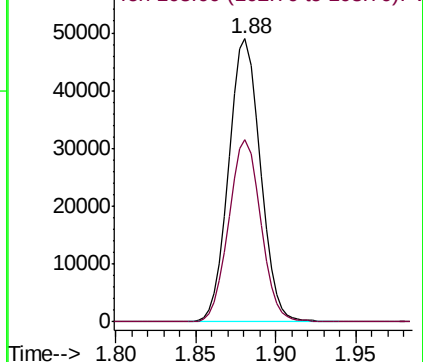
Ion Ratio Lower Upper

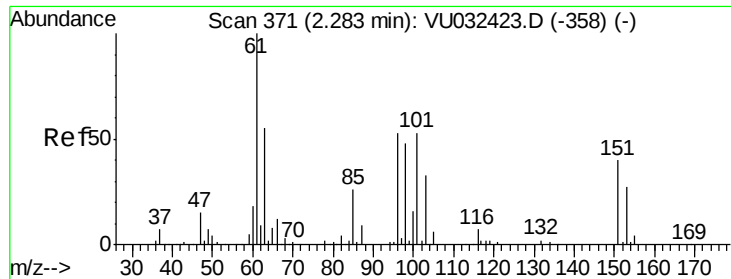
101 100

103 65.2 52.2 78.2



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





#10

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

Concen: 4.227 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU032423.D

Acq: 04 Jun 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

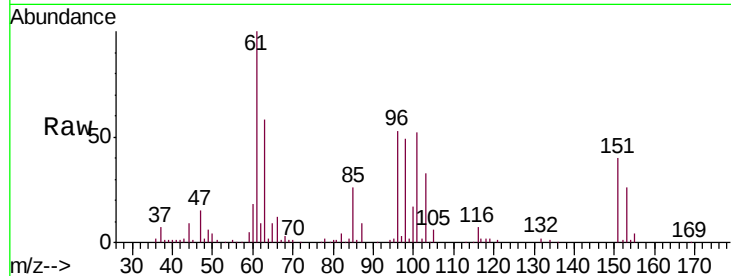
Tgt Ion:101 Resp: 34181

Ion Ratio Lower Upper

101 100

85 48.6 38.9 58.3

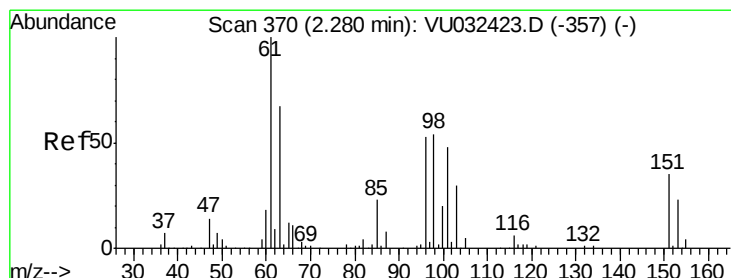
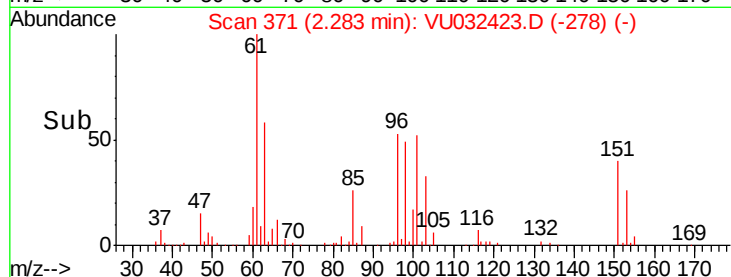
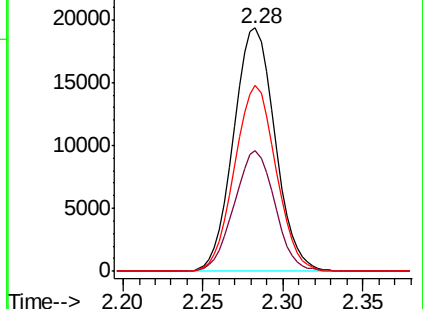
151 76.2 61.0 91.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.053 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032423.D

Acq: 04 Jun 2019 13:15

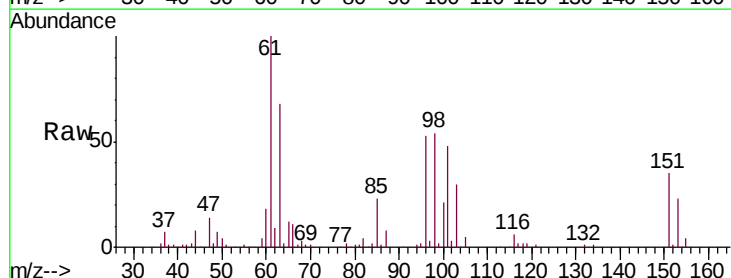
Tgt Ion: 96 Resp: 31981

Ion Ratio Lower Upper

96 100

61 188.3 131.8 244.8

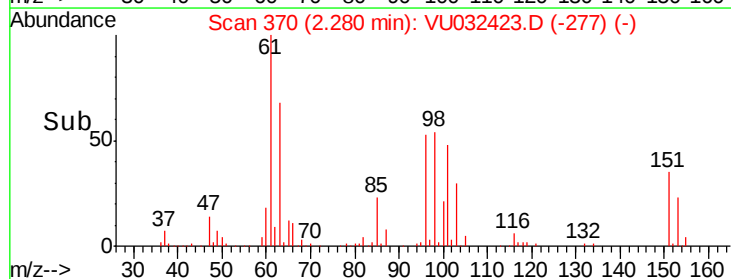
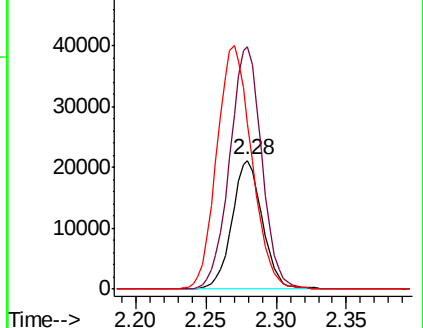
63 128.7 90.1 167.3

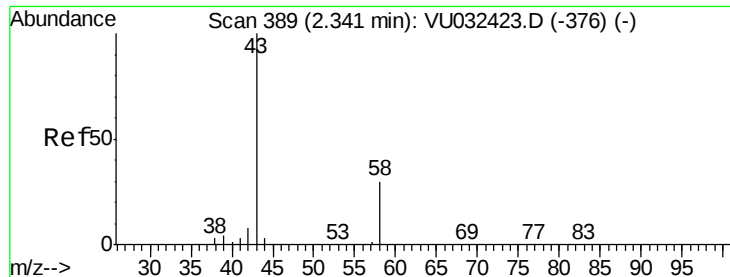


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 44.588 ug/L

RT: 2.34 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU032423.D

Acq: 04 Jun 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

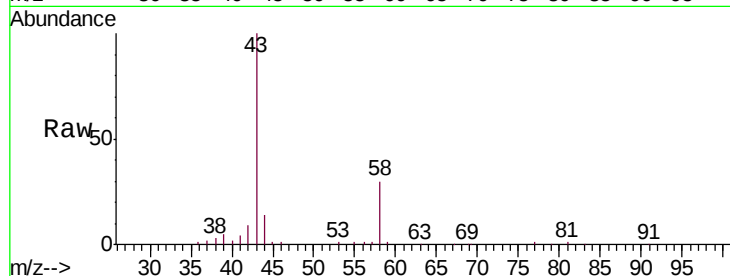
VSTD00511

Tgt Ion: 43 Resp: 72273

Ion Ratio Lower Upper

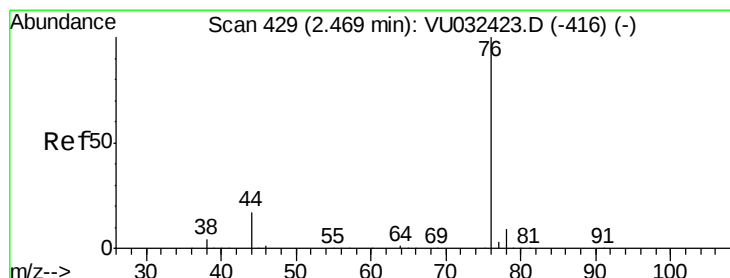
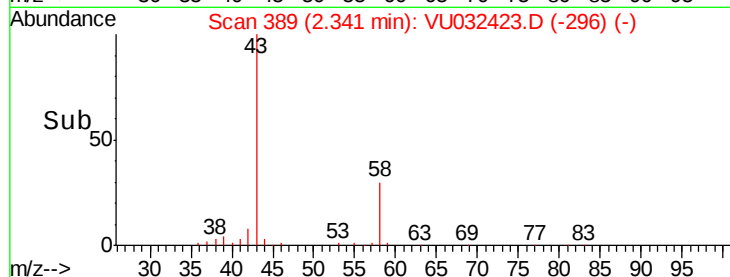
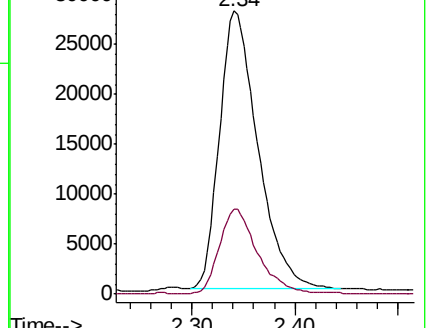
43 100

58 30.4 0.0 60.8



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

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



#14

Carbon disulfide

Concen: 3.916 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU032423.D

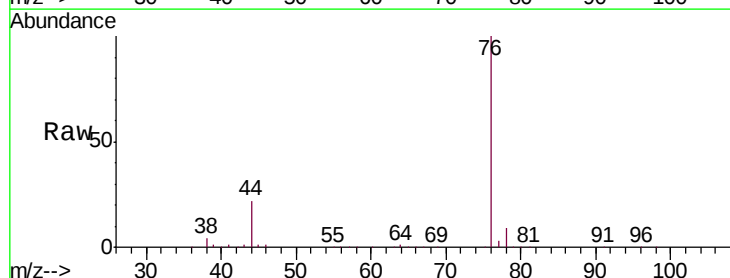
Acq: 04 Jun 2019 13:15

Tgt Ion: 76 Resp: 105979

Ion Ratio Lower Upper

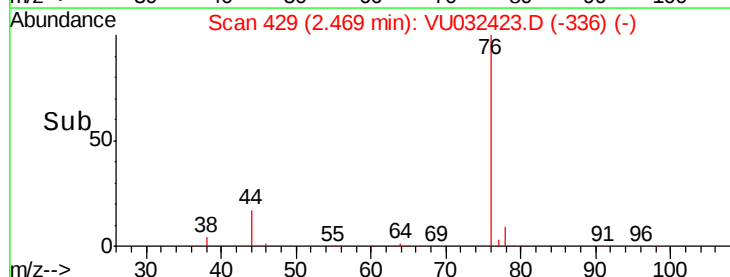
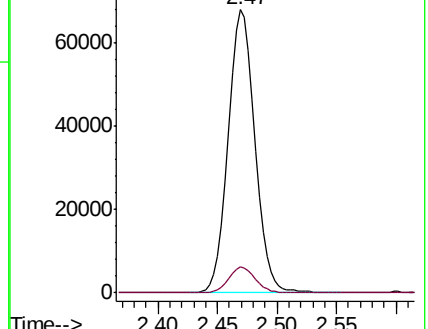
76 100

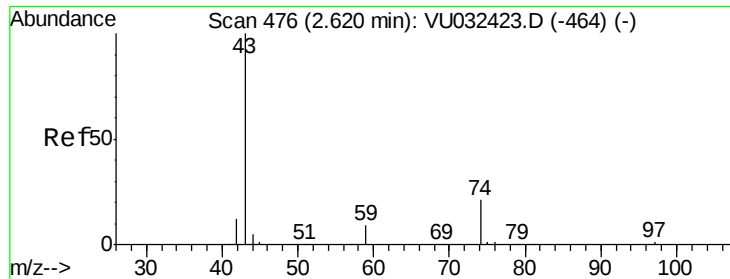
78 9.1 7.3 10.9



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

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





#15

Methyl Acetate

Concen: 3.939 ug/L

RT: 2.62 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU032423.D

Acq: 04 Jun 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

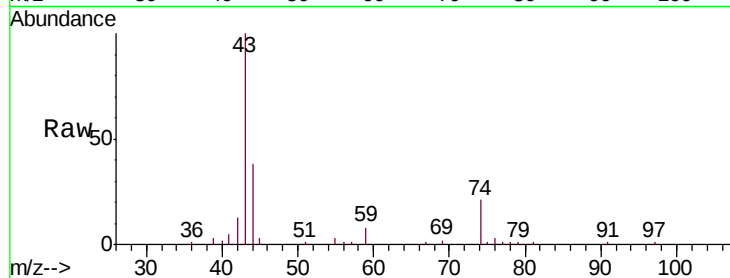
VSTD00511

Tgt Ion: 43 Resp: 18331

Ion Ratio Lower Upper

43 100

74 22.3 17.8 26.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

12000

10000

8000

6000

4000

2000

0

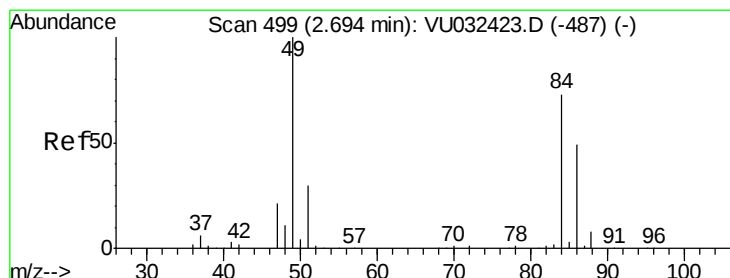
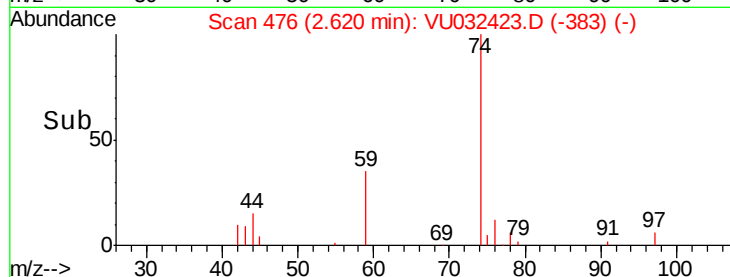
Time-->

2.55

2.60

2.65

2.70



#16

Methylene chloride

Concen: 3.593 ug/L

RT: 2.69 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU032423.D

Acq: 04 Jun 2019 13:15

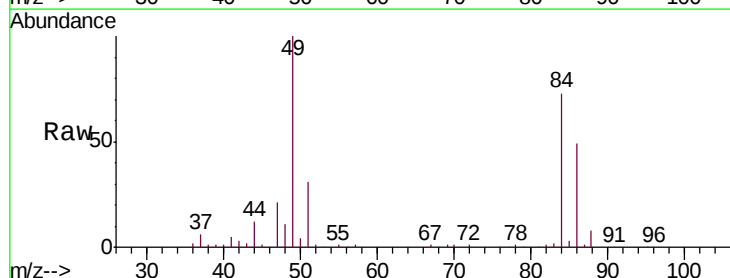
Tgt Ion: 84 Resp: 35474

Ion Ratio Lower Upper

84 100

86 67.4 47.2 87.6

49 137.0 95.9 178.1



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

30000

20000

10000

0

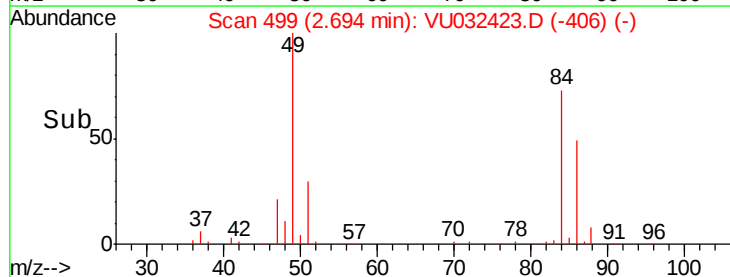
Time-->

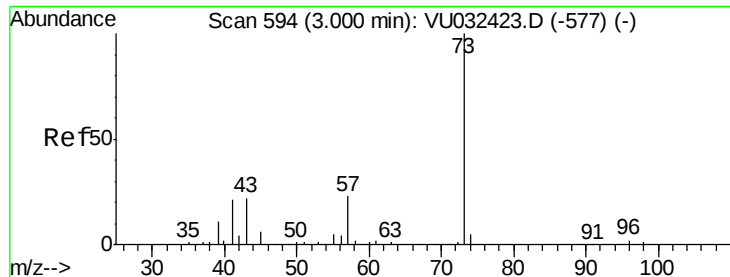
2.65

2.70

2.75

2.80

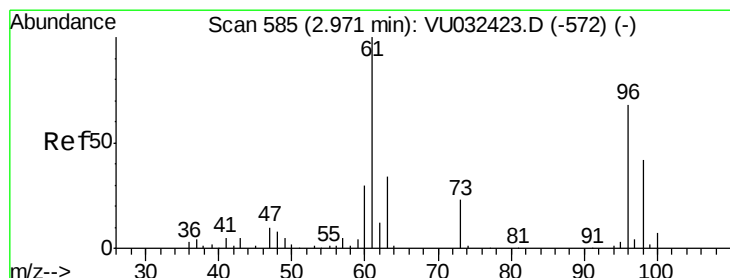
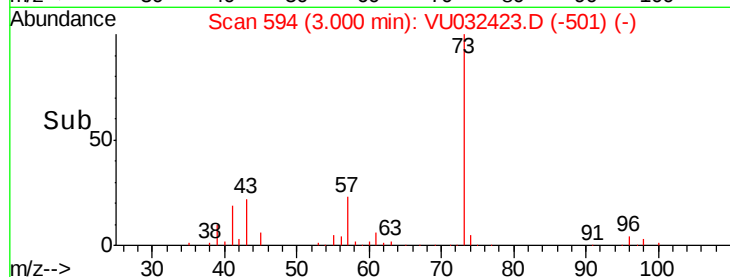
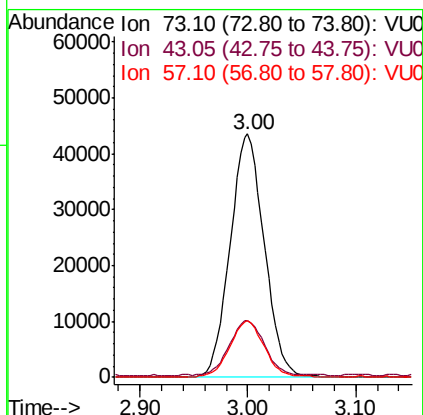
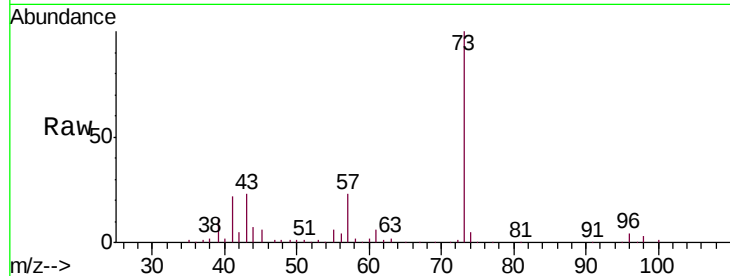




#17
Methyl tert-butyl Ether
Concen: 4.360 ug/L
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU032423.D
Acq: 04 Jun 2019 13:15

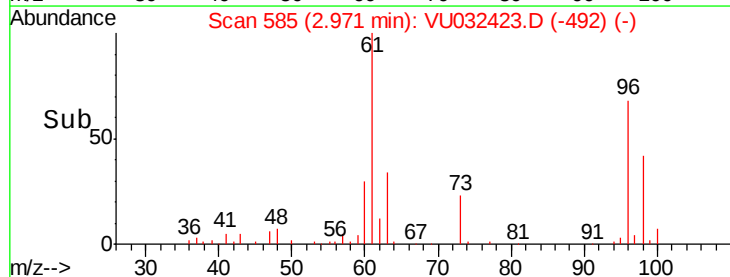
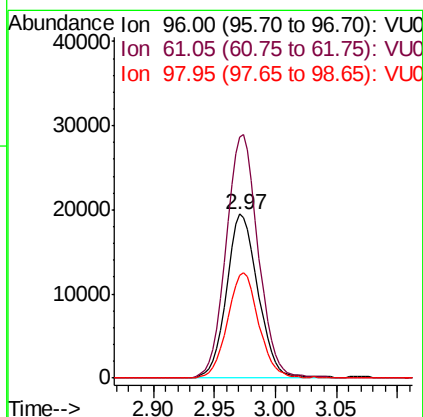
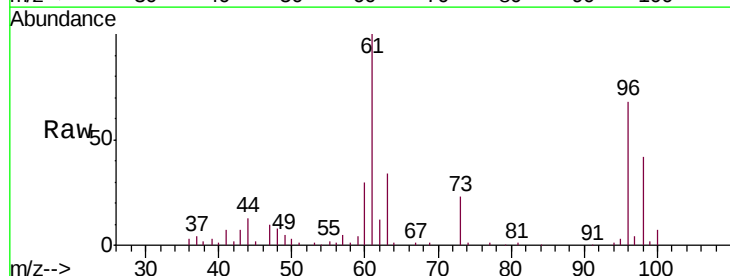
Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

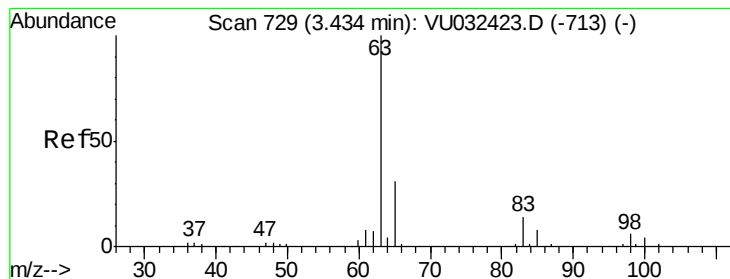
Tgt Ion: 73 Resp: 96013
Ion Ratio Lower Upper
73 100
43 23.2 18.6 27.8
57 22.9 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 4.121 ug/L
RT: 2.97 min Scan# 585
Delta R.T. 0.00 min
Lab File: VU032423.D
Acq: 04 Jun 2019 13:15

Tgt Ion: 96 Resp: 35257
Ion Ratio Lower Upper
96 100
61 147.3 103.1 191.5
98 62.4 43.7 81.1





#19

1,1-Dichloroethane

Concen: 4.804 ug/L

RT: 3.43 min Scan# 729

Delta R.T. 0.00 min

Lab File: VU032423.D

Acq: 04 Jun 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

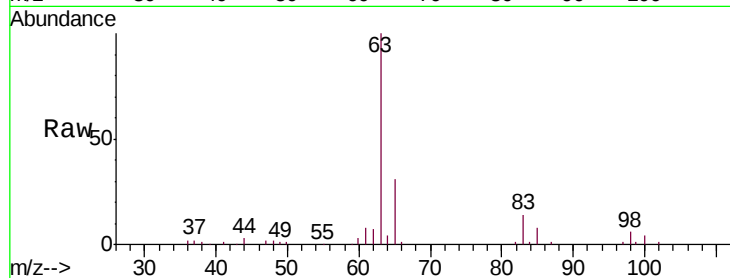
Tgt Ion: 63 Resp: 63872

Ion Ratio Lower Upper

63 100

65 30.5 21.3 39.6

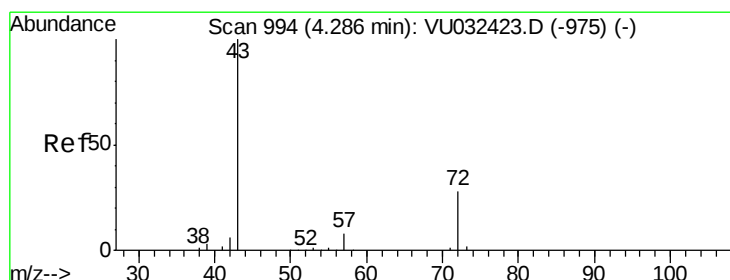
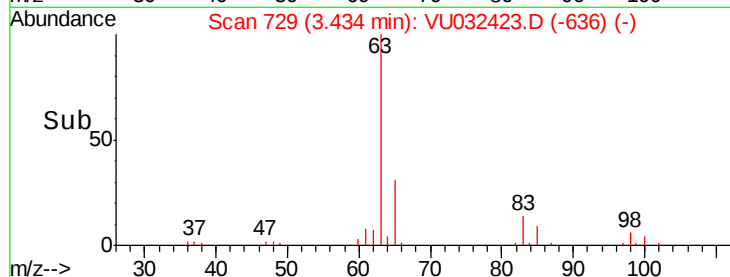
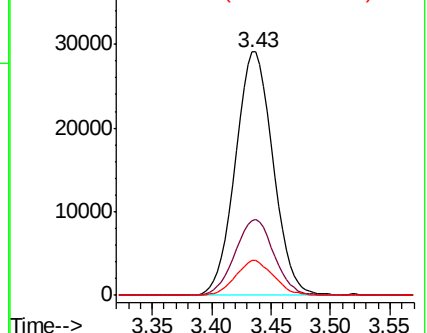
83 14.4 10.1 18.7



Abundance Ion 63.10 (62.80 to 63.80): VU032423.D (-713) (-)

Ion 65.10 (64.80 to 65.80): VU032423.D (-713) (-)

Ion 83.05 (82.75 to 83.75): VU032423.D (-713) (-)



#21

2-Butanone

Concen: 49.930 ug/L

RT: 4.29 min Scan# 994

Delta R.T. 0.00 min

Lab File: VU032423.D

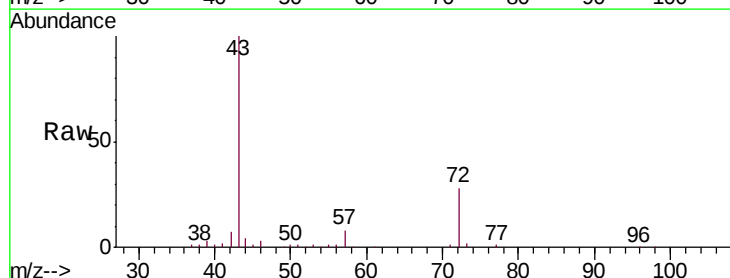
Acq: 04 Jun 2019 13:15

Tgt Ion: 43 Resp: 108344

Ion Ratio Lower Upper

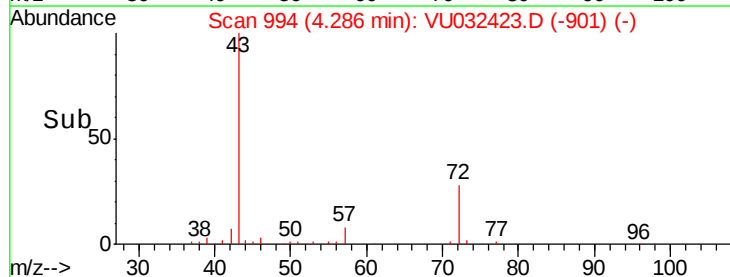
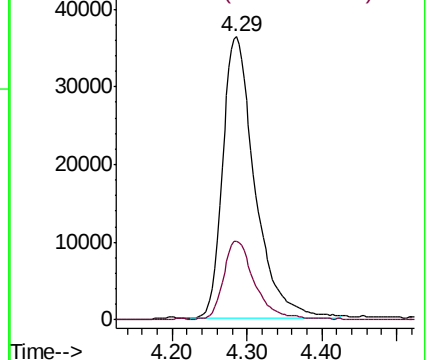
43 100

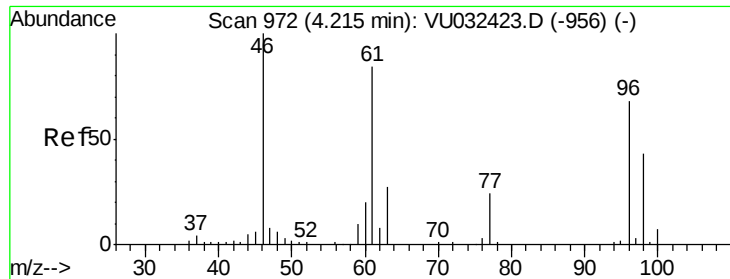
72 26.2 13.1 39.3



Abundance Ion 43.05 (42.75 to 43.75): VU032423.D (-975) (-)

Ion 72.10 (71.80 to 72.80): VU032423.D (-975) (-)



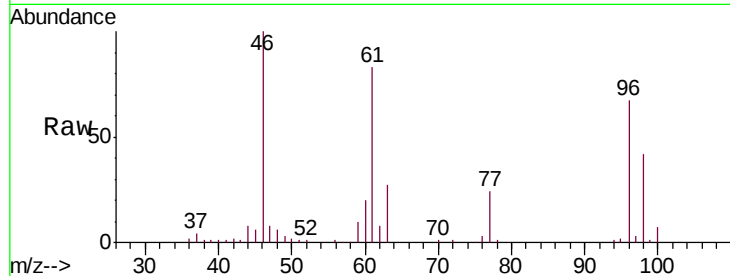


#22

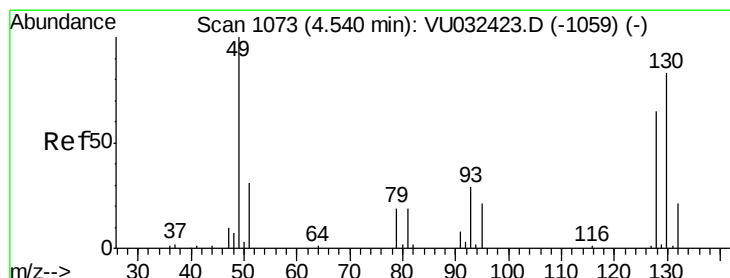
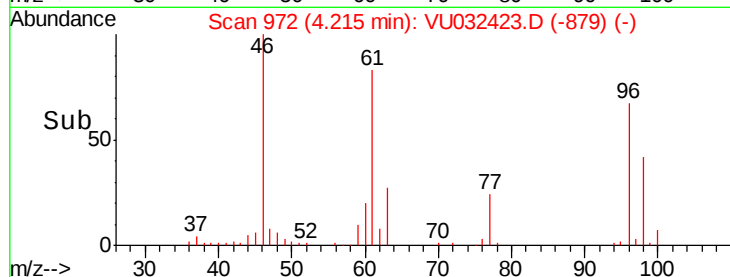
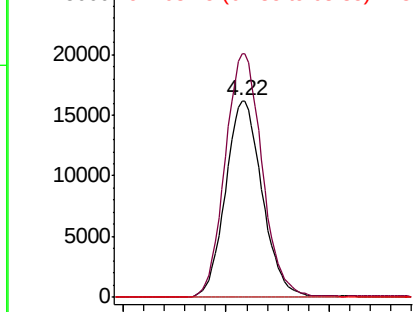
cis-1,2-Dichloroethene
 Concen: 5.139 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VU032423.D
 Acq: 04 Jun 2019 13:15

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD00511

Tgt Ion: 96 Resp: 40169
 Ion Ratio Lower Upper
 96 100
 61 123.7 86.6 160.8
 68 0.0 0.0 0.0



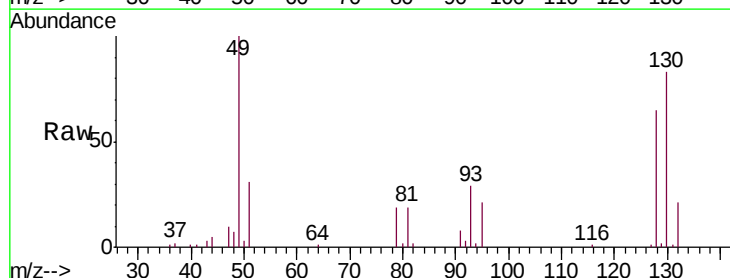
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



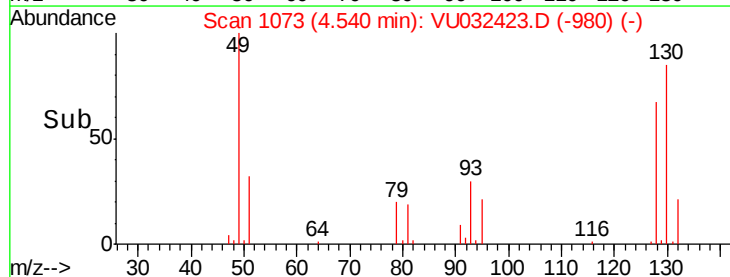
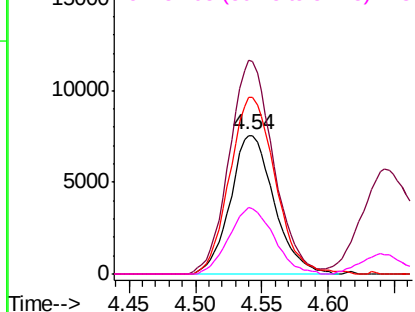
#23

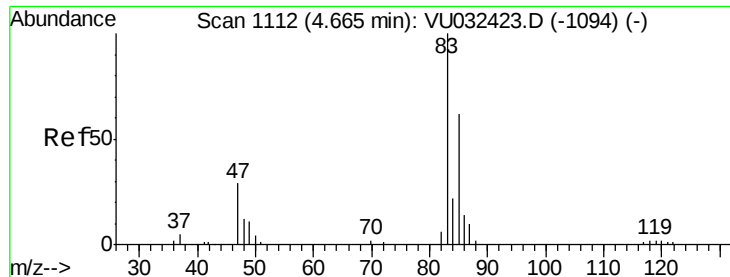
Bromochloromethane
 Concen: 4.965 ug/L
 RT: 4.54 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VU032423.D
 Acq: 04 Jun 2019 13:15

Tgt Ion: 128 Resp: 17325
 Ion Ratio Lower Upper
 128 100
 49 154.0 107.8 200.2
 130 127.6 89.3 165.9
 51 47.8 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

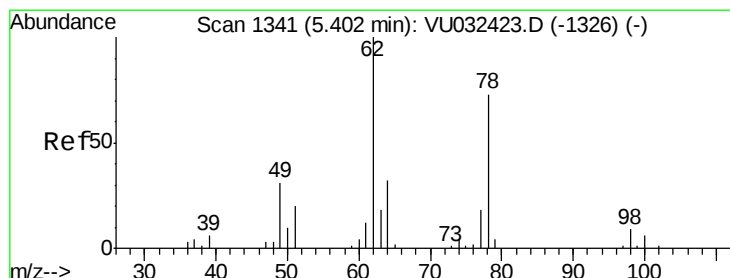
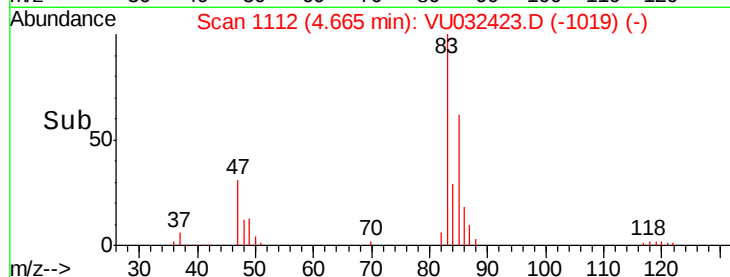
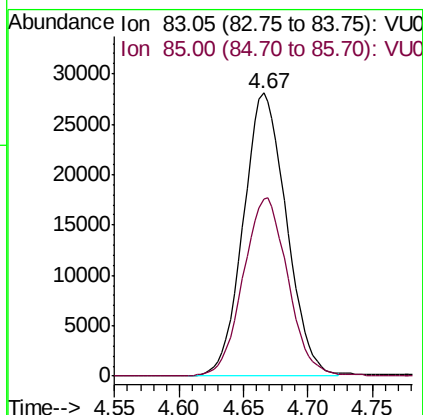
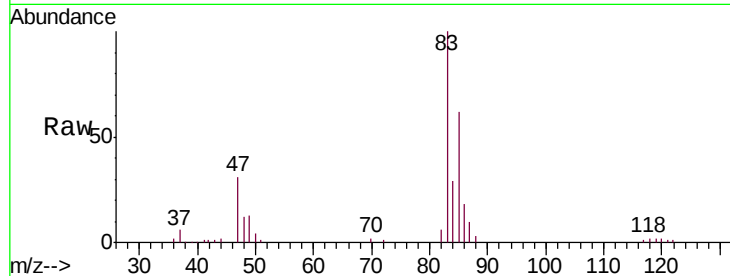




#25
Chloroform
Concen: 5.058 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU032423.D
Acq: 04 Jun 2019 13:15

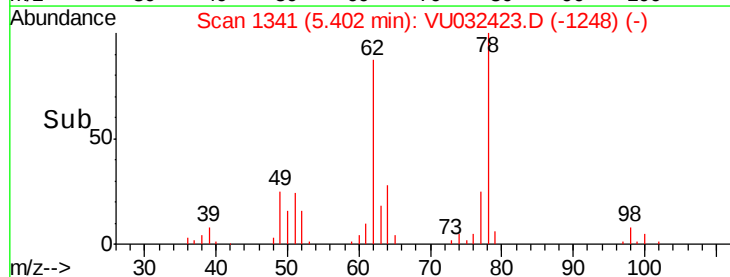
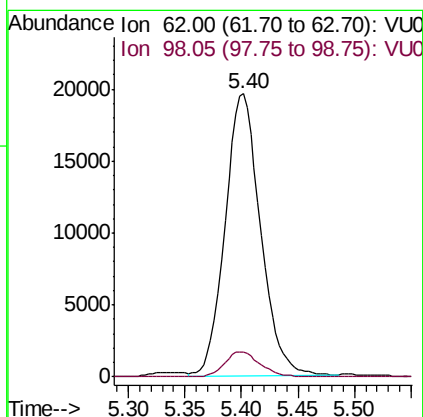
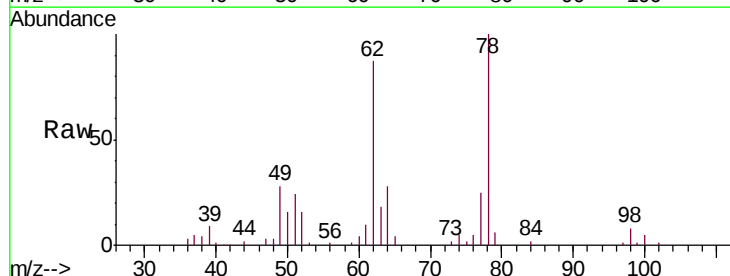
Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

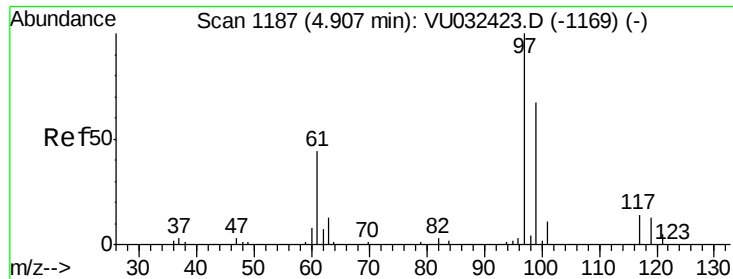
Tgt Ion: 83 Resp: 65530
Ion Ratio Lower Upper
83 100
85 62.5 43.8 81.3



#27
1,2-Dichloroethane
Concen: 5.119 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU032423.D
Acq: 04 Jun 2019 13:15

Tgt Ion: 62 Resp: 42623
Ion Ratio Lower Upper
62 100
98 8.8 7.0 10.6

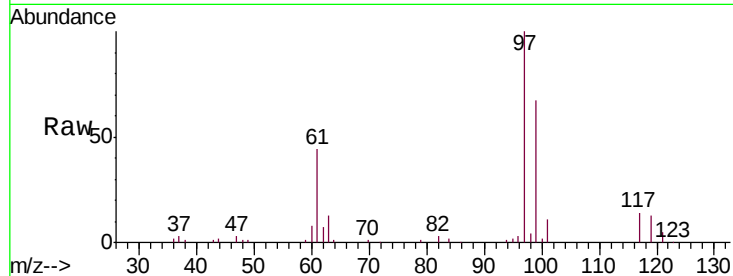




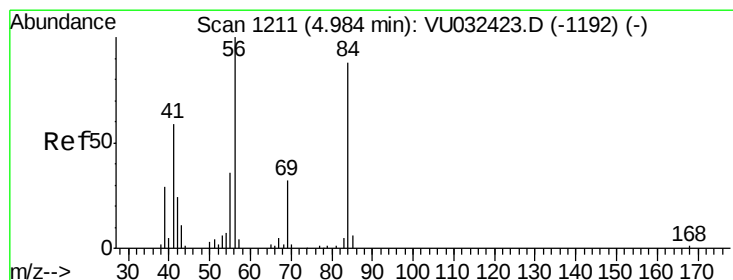
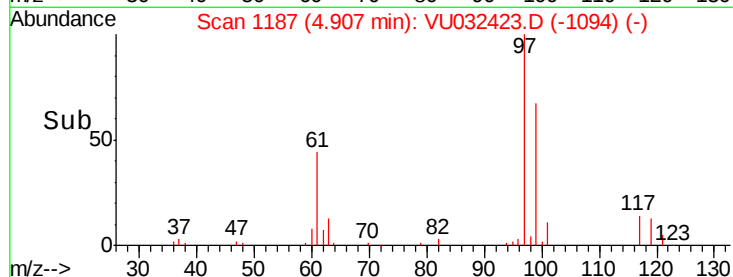
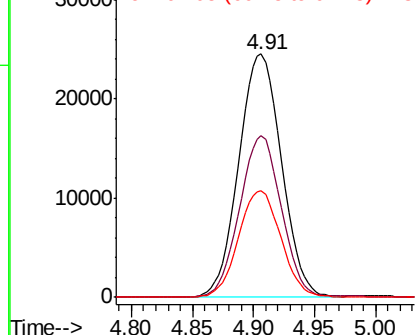
#29
 1,1,1-Trichloroethane
 Concen: 5.375 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU032423.D
 Acq: 04 Jun 2019 13:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Tgt Ion: 97 Resp: 59690
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.8 77.6
 61 43.4 34.7 52.1

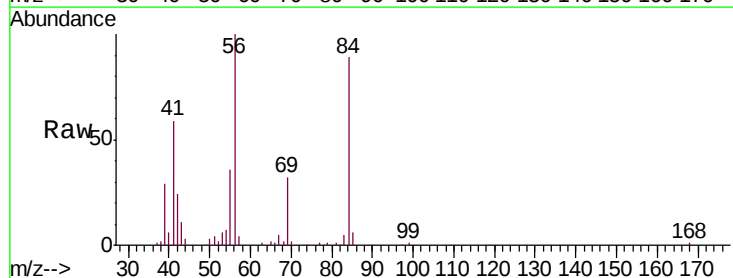


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

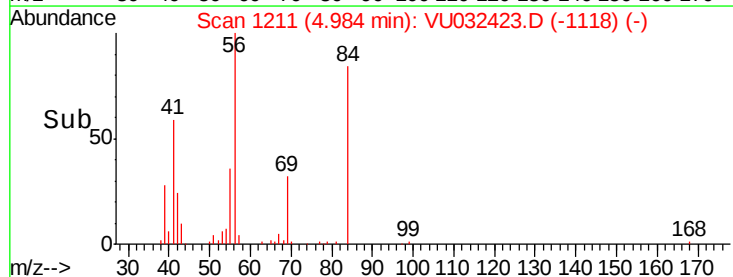
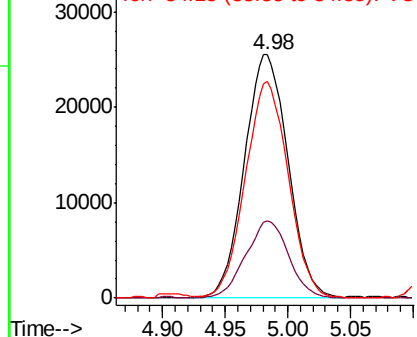


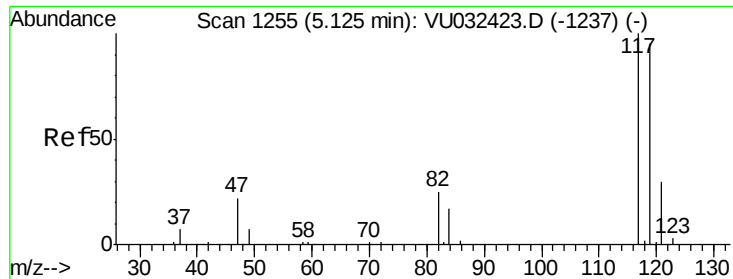
#30
 Cyclohexane
 Concen: 4.833 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VU032423.D
 Acq: 04 Jun 2019 13:15

Tgt Ion: 56 Resp: 61857
 Ion Ratio Lower Upper
 56 100
 69 31.1 24.9 37.3
 84 87.7 70.2 105.2



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





#31

Carbon tetrachloride

Concen: 5.544 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU032423.D

Acq: 04 Jun 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

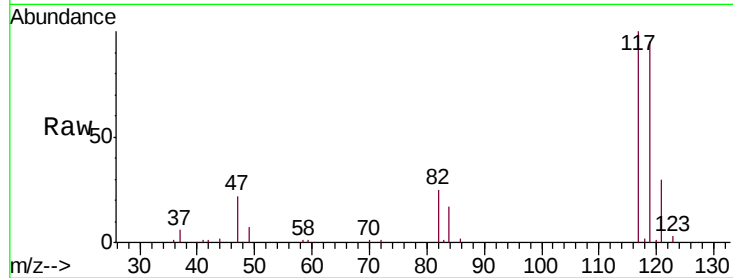
VSTD00511

Tgt Ion:117 Resp: 54260

Ion Ratio Lower Upper

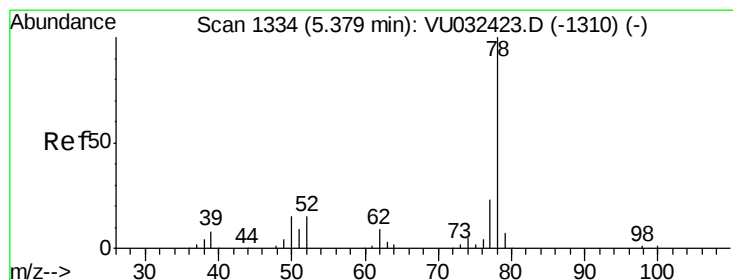
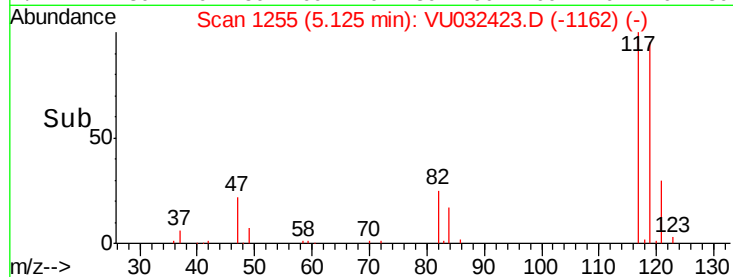
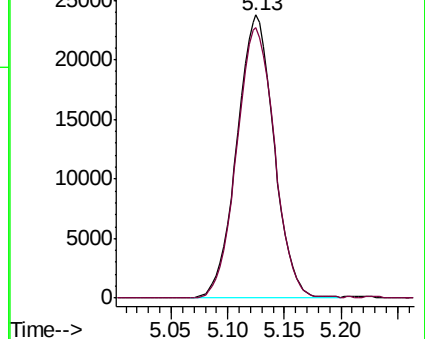
117 100

119 97.2 77.8 116.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.972 ug/L

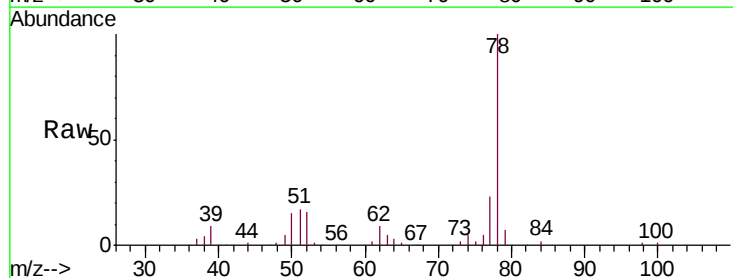
RT: 5.38 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VU032423.D

Acq: 04 Jun 2019 13:15

Tgt Ion: 78 Resp: 144572



Abundance Ion 78.10 (77.80 to 78.80): VU0

80000

60000

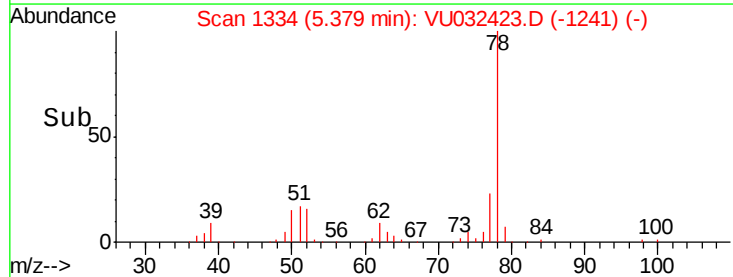
40000

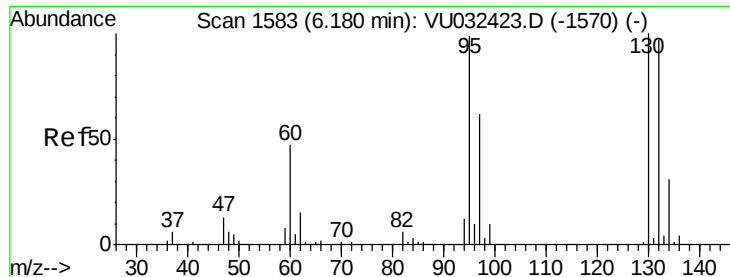
20000

0

Time-->

5.30 5.40 5.50





#34

Trichloroethene

Concen: 4.898 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032423.D

Acq: 04 Jun 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

Tgt Ion: 95 Resp: 39593

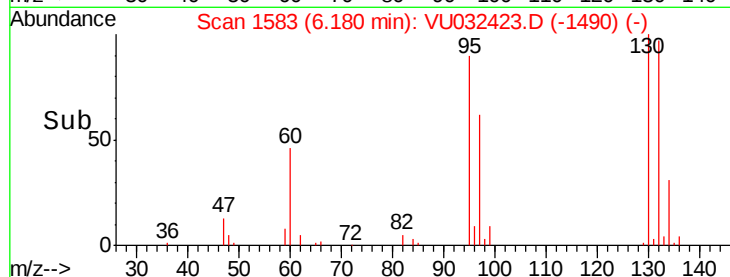
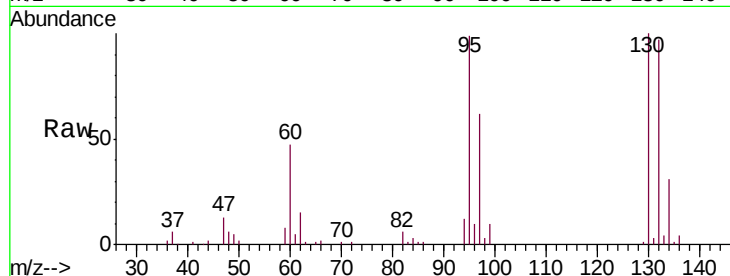
Ion Ratio Lower Upper

95 100

97 63.0 44.1 81.9

132 98.3 68.8 127.8

130 101.4 71.0 131.8



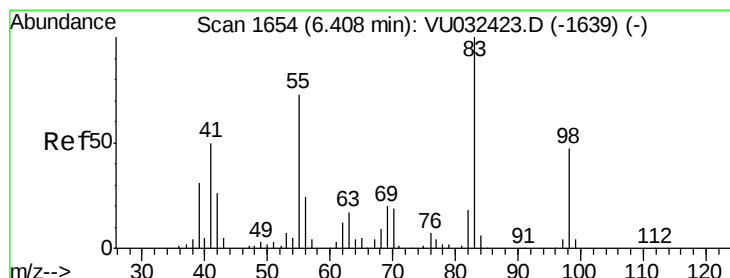
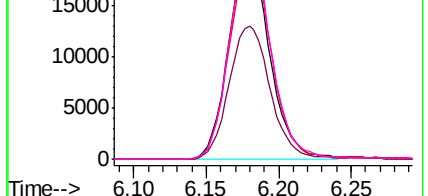
Abundance Ion 95.00 (94.70 to 95.70): VU032423.D (-1490) (-)

Ion 96.95 (96.65 to 97.65): VU032423.D (-1490) (-)

Ion 131.95 (131.65 to 132.65): VU032423.D (-1490) (-)

Ion 129.95 (129.65 to 130.65): VU032423.D (-1490) (-)

Time-->



#35

Methylcyclohexane

Concen: 5.377 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU032423.D

Acq: 04 Jun 2019 13:15

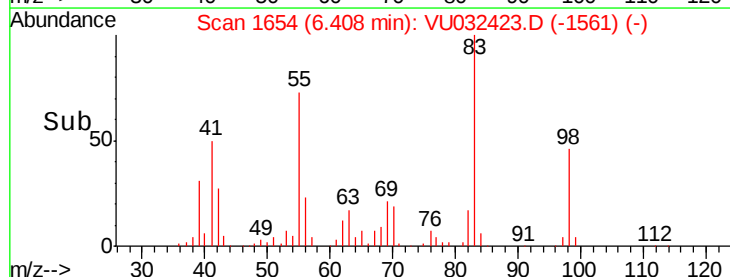
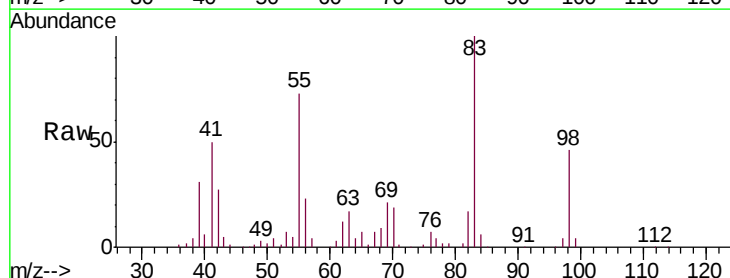
Tgt Ion: 83 Resp: 65535

Ion Ratio Lower Upper

83 100

55 75.0 60.0 90.0

98 47.3 37.8 56.8

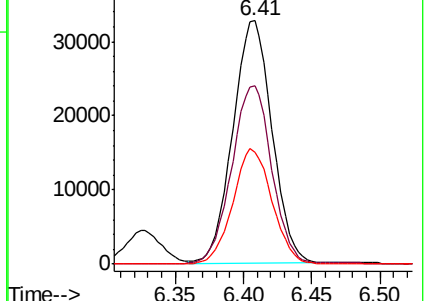


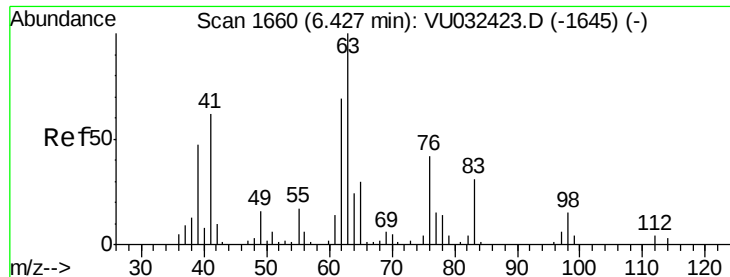
Abundance Ion 83.15 (82.85 to 83.85): VU032423.D (-1561) (-)

Ion 55.10 (54.80 to 55.80): VU032423.D (-1561) (-)

Ion 98.15 (97.85 to 98.85): VU032423.D (-1561) (-)

Time-->

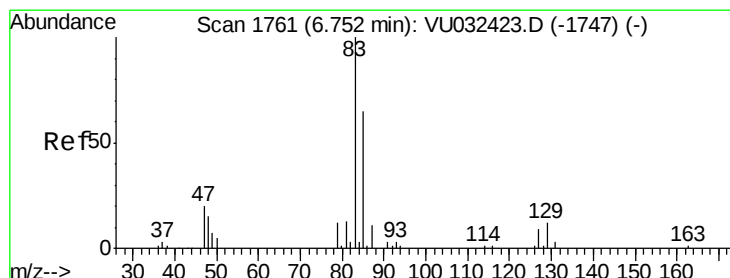
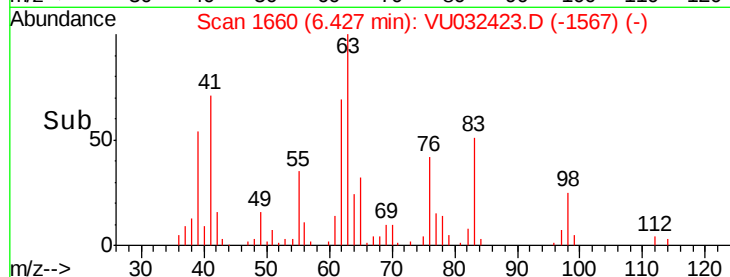
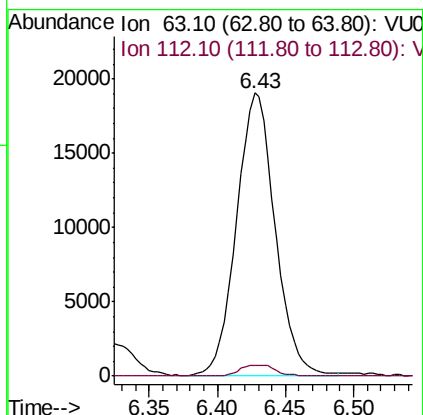
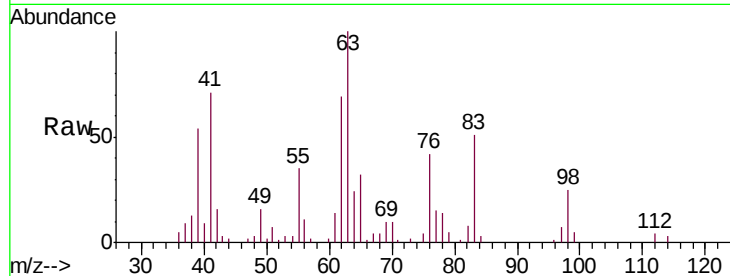




#37
 1,2-Dichloropropane
 Concen: 4.920 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU032423.D
 Acq: 04 Jun 2019 13:15

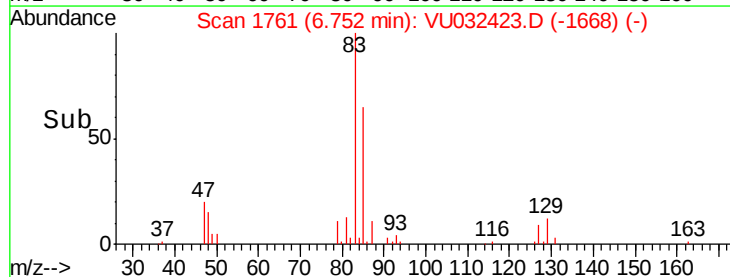
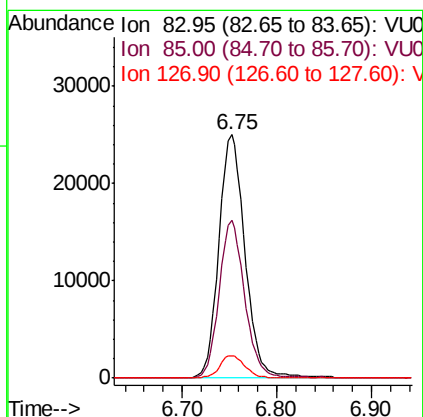
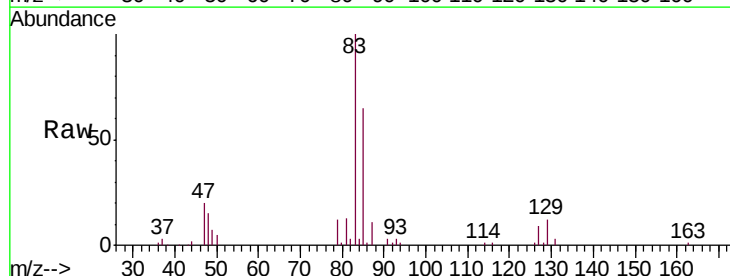
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

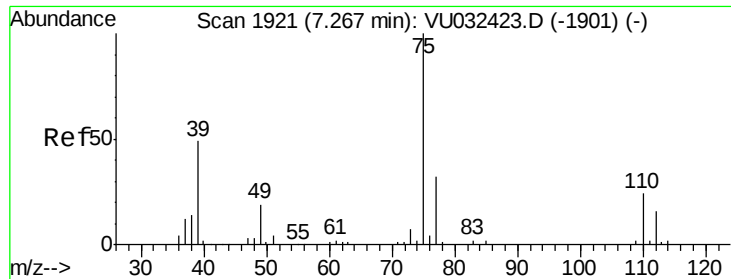
Tgt Ion: 63 Resp: 37581
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.9 4.3



#38
 Bromodichloromethane
 Concen: 5.218 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU032423.D
 Acq: 04 Jun 2019 13:15

Tgt Ion: 83 Resp: 48139
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.2 84.0
 127 9.3 7.4 11.2

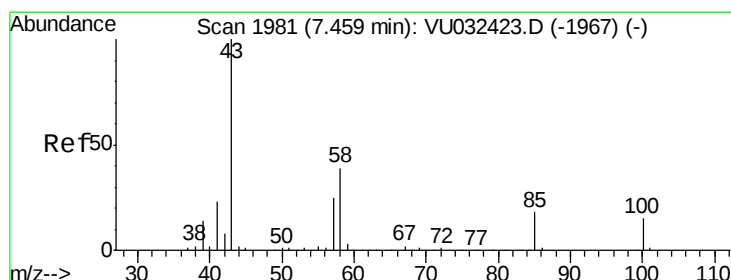
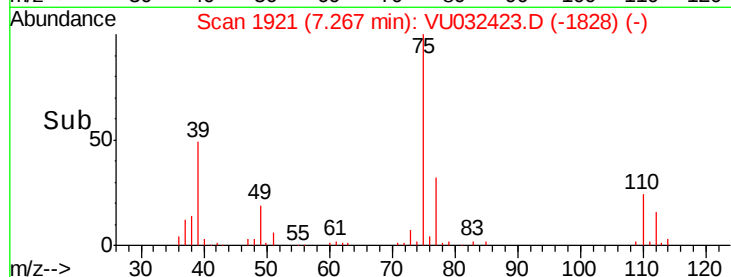
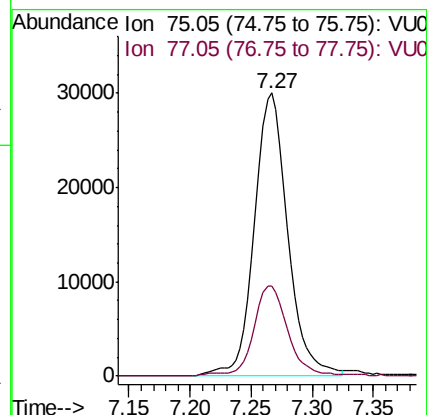
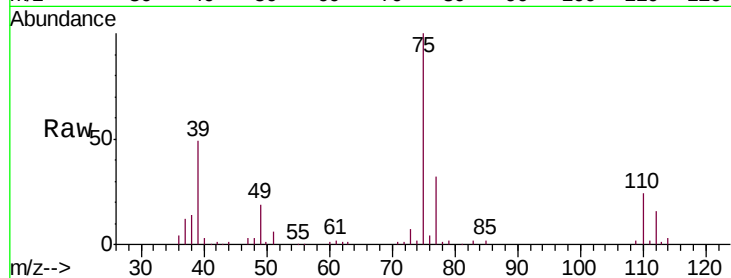




#39
 cis-1,3-Dichloropropene
 Concen: 5.147 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU032423.D
 Acq: 04 Jun 2019 13:15

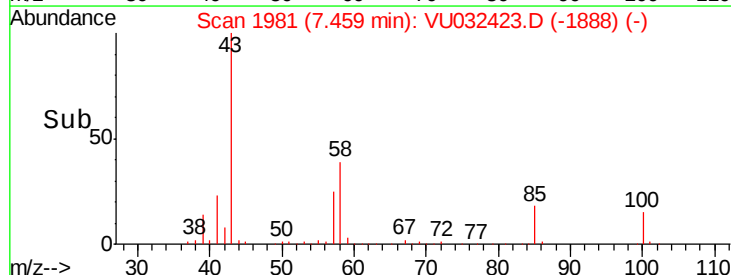
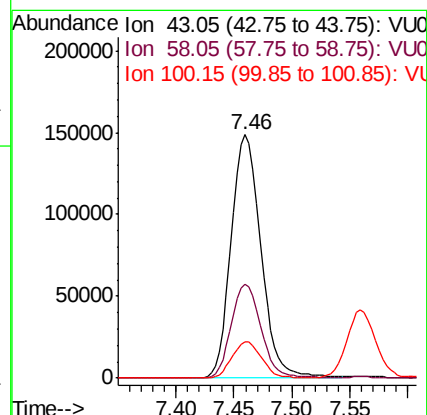
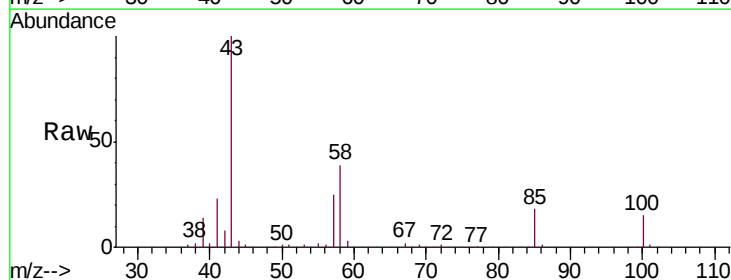
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

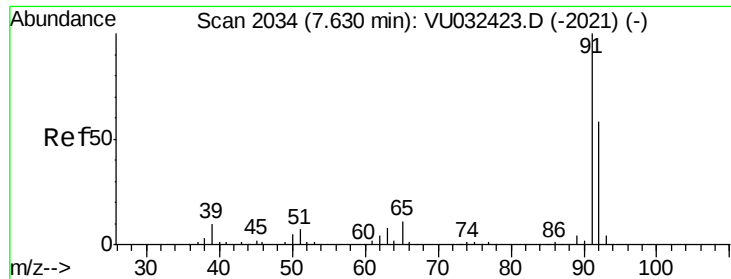
Tgt Ion: 75 Resp: 56703
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 52.110 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU032423.D
 Acq: 04 Jun 2019 13:15

Tgt Ion: 43 Resp: 265202
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.9 46.3
 100 14.9 11.9 17.9





#42

Toluene

Concen: 5.046 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032423.D

Acq: 04 Jun 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

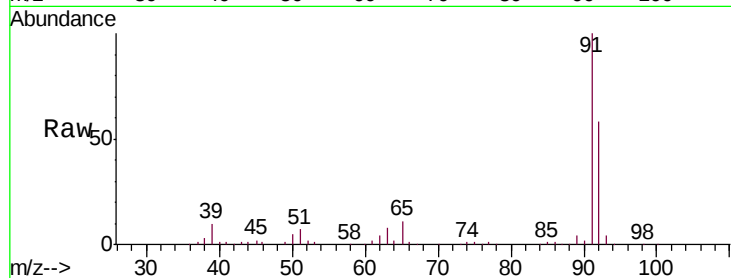
VSTD00511

Tgt Ion: 91 Resp: 159025

Ion Ratio Lower Upper

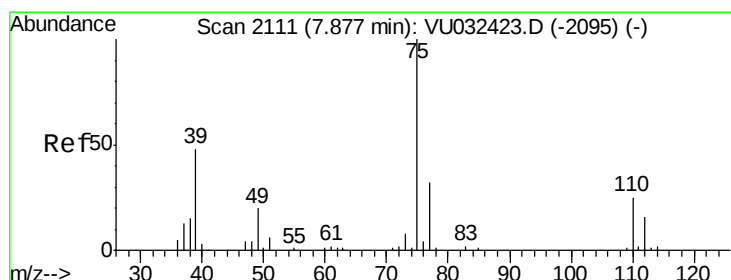
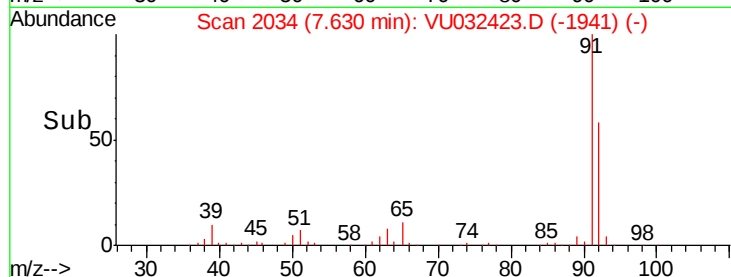
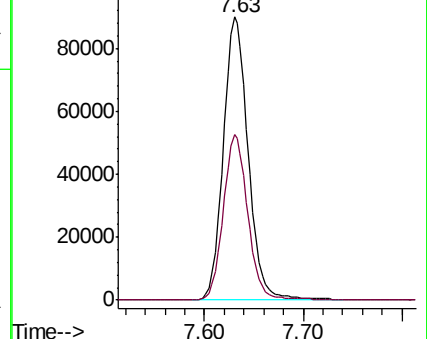
91 100

92 58.4 40.9 75.9



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

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



#44

trans-1,3-Dichloropropene

Concen: 5.343 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU032423.D

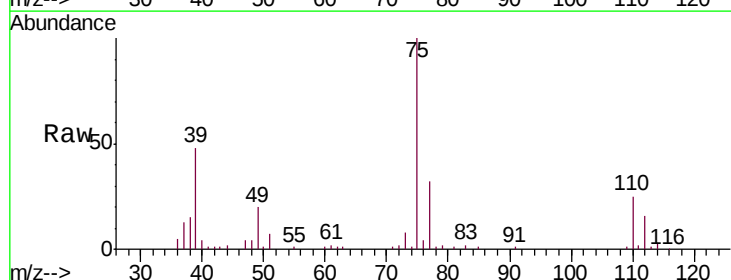
Acq: 04 Jun 2019 13:15

Tgt Ion: 75 Resp: 45827

Ion Ratio Lower Upper

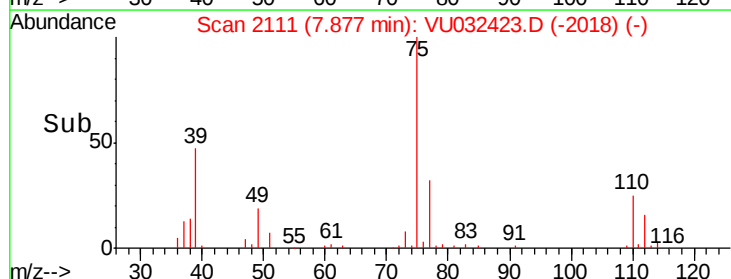
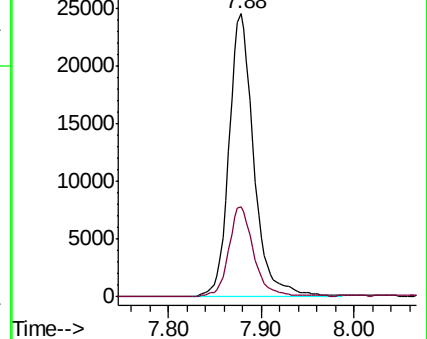
75 100

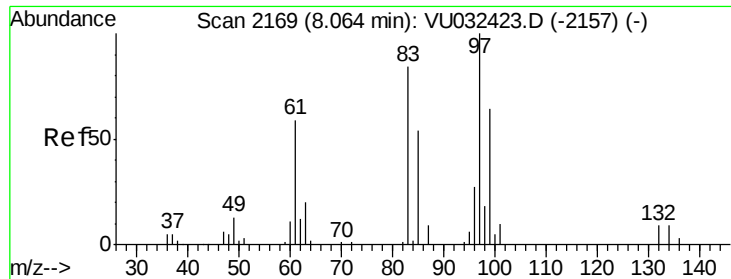
77 32.1 22.5 41.7



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

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

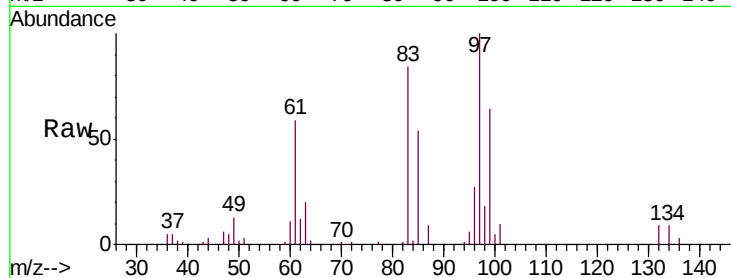




#45
 1,1,2-Trichloroethane
 Concen: 5.046 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU032423.D
 Acq: 04 Jun 2019 13:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Tgt Ion:	97	Resp:	26919
Ion	Ratio	Lower	Upper
97	100		
99	64.1	44.9	83.3
83	83.8	58.7	108.9
85	54.2	37.9	70.5



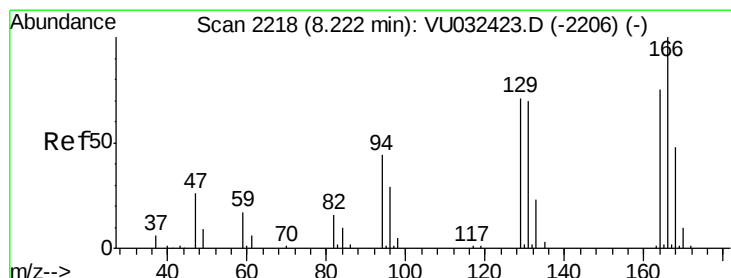
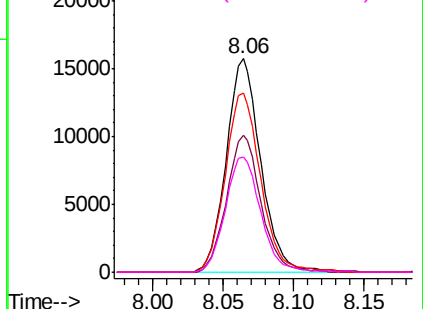
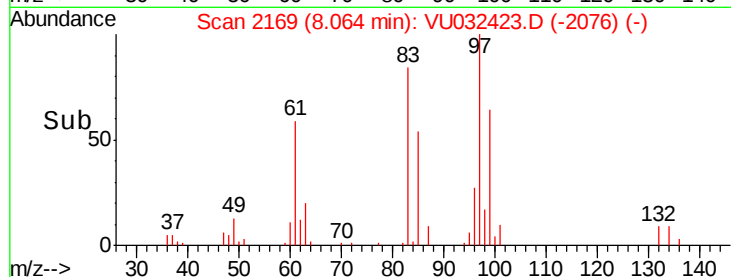
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

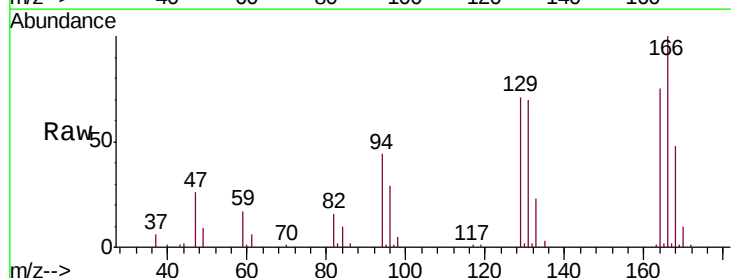
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 5.261 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU032423.D
 Acq: 04 Jun 2019 13:15

Tgt Ion:	164	Resp:	32495
Ion	Ratio	Lower	Upper
164	100		
129	94.4	66.1	122.7
131	93.7	65.6	121.8
166	133.2	93.2	173.2



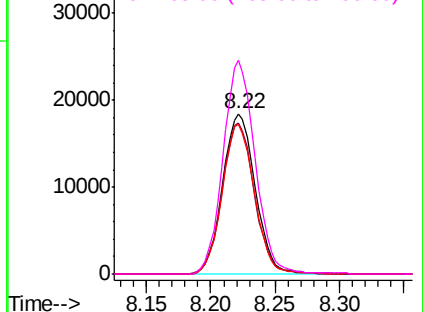
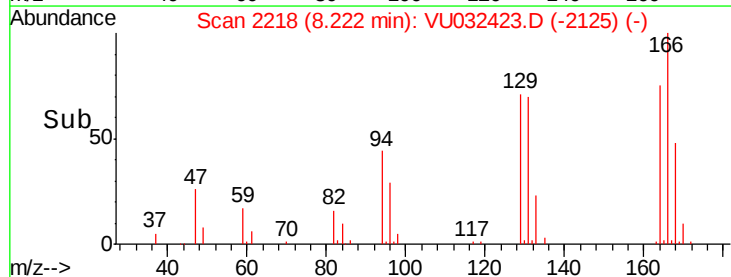
Abundance

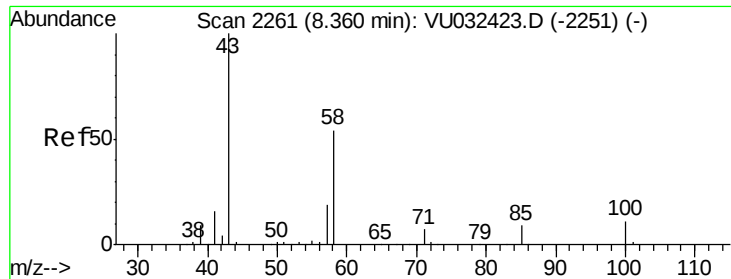
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

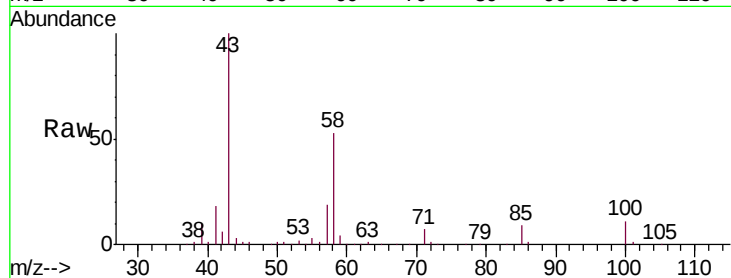




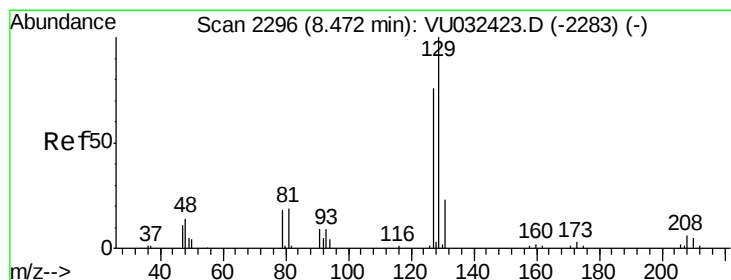
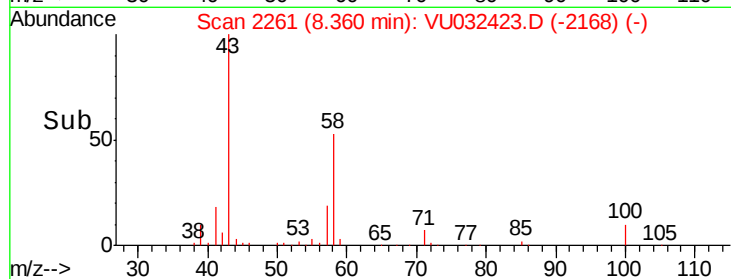
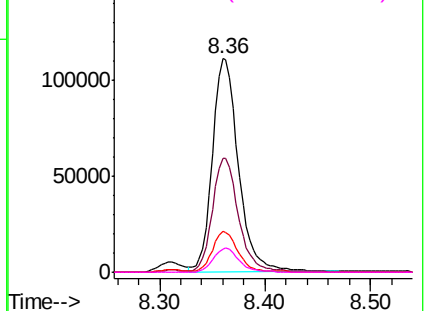
#48
2-Hexanone
Concen: 53.413 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU032423.D
Acq: 04 Jun 2019 13:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Tgt Ion: 43 Resp: 189465
Ion Ratio Lower Upper
43 100
58 52.4 41.9 62.9
57 18.9 15.1 22.7
100 11.3 9.0 13.6

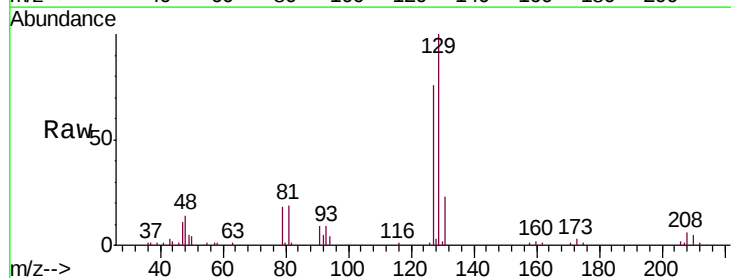


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

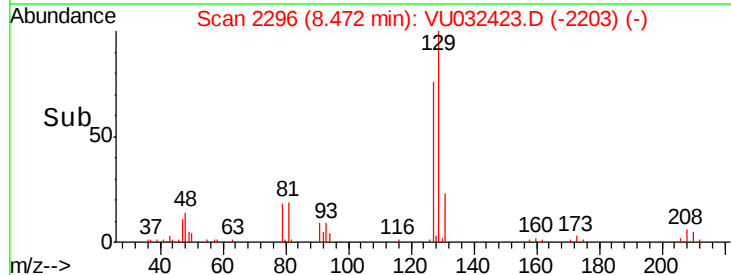
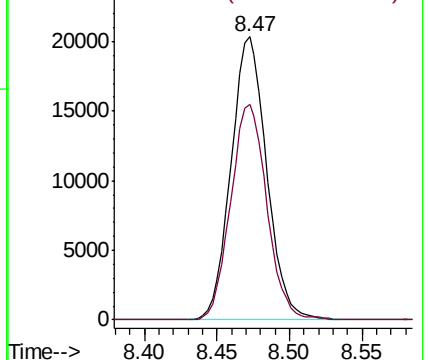


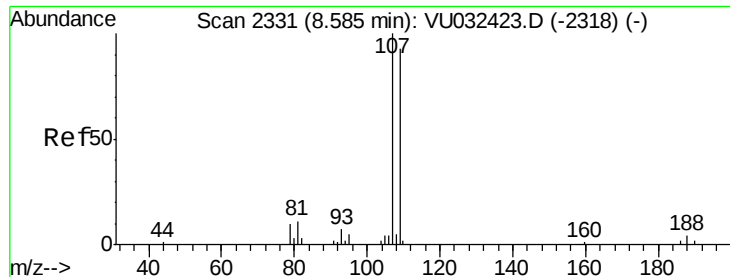
#49
Dibromochloromethane
Concen: 5.392 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032423.D
Acq: 04 Jun 2019 13:15

Tgt Ion: 129 Resp: 34787
Ion Ratio Lower Upper
129 100
127 76.1 53.3 98.9



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

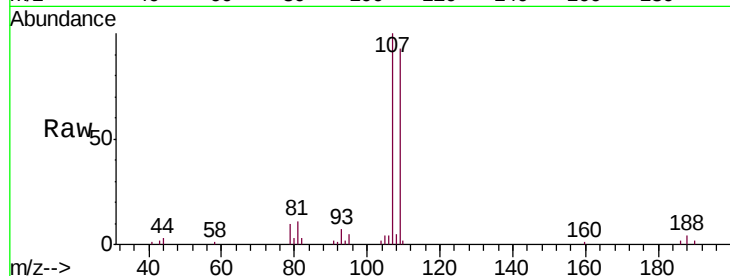




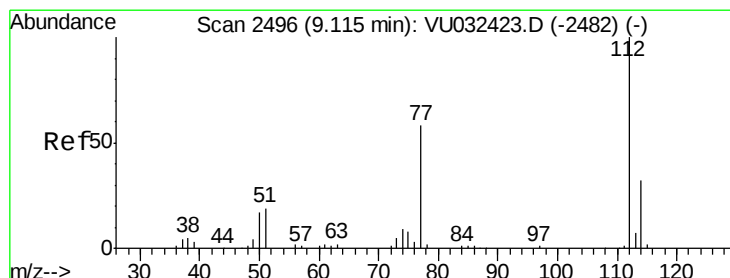
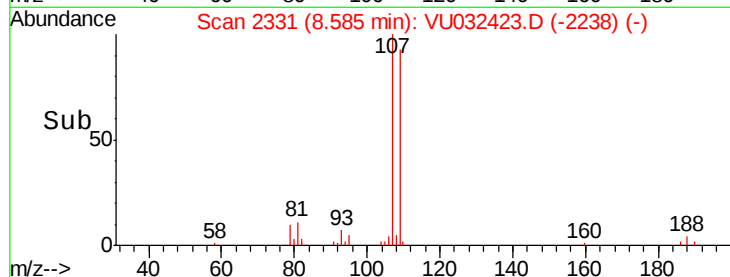
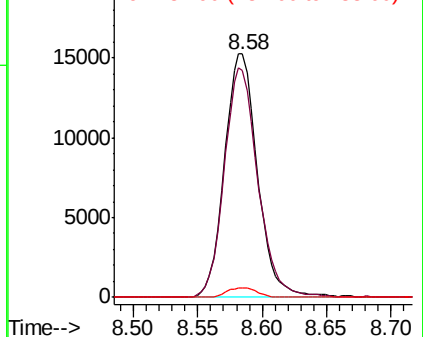
#50
1,2-Dibromoethane
Concen: 5.235 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU032423.D
Acq: 04 Jun 2019 13:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Tgt Ion:107 Resp: 27077
Ion Ratio Lower Upper
107 100
109 93.1 65.2 121.0
188 3.9 3.1 4.7

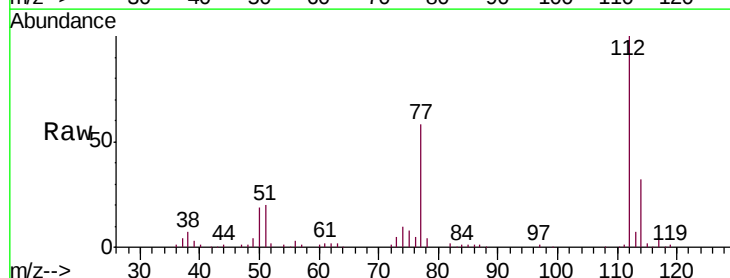


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

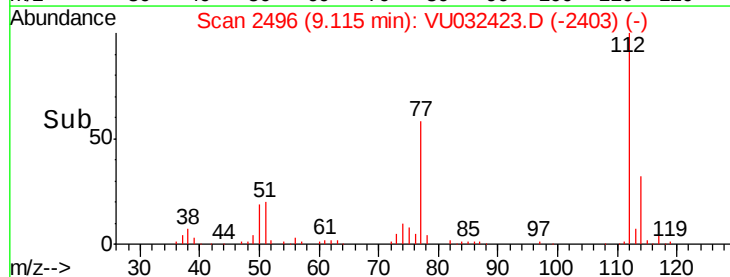
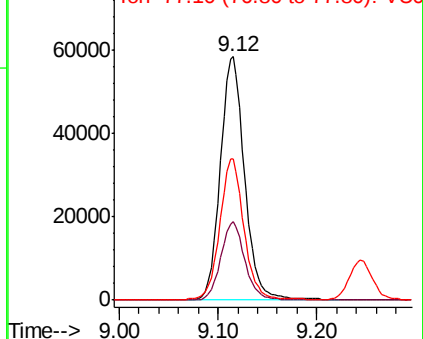


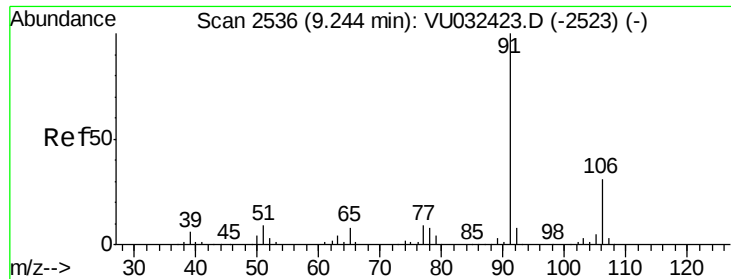
#51
Chlorobenzene
Concen: 5.185 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU032423.D
Acq: 04 Jun 2019 13:15

Tgt Ion:112 Resp: 101178
Ion Ratio Lower Upper
112 100
114 32.0 22.4 41.6
77 58.1 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: 5.251 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032423.D

Acq: 04 Jun 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

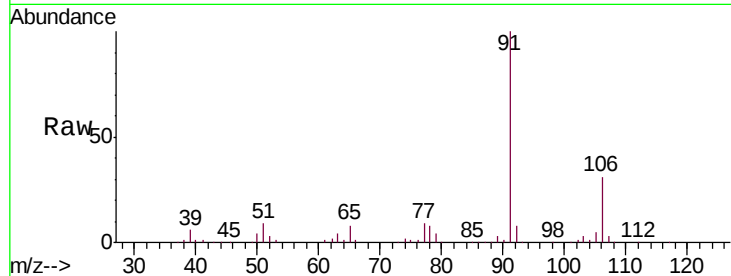
VSTD00511

Tgt Ion: 91 Resp: 176806

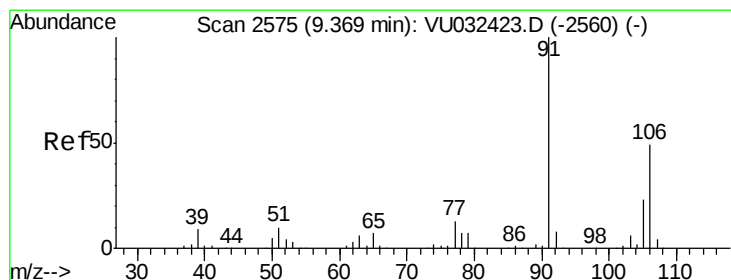
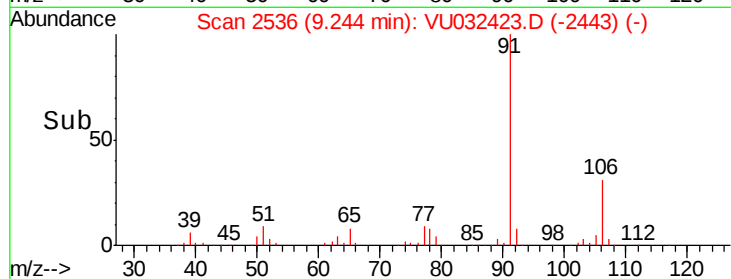
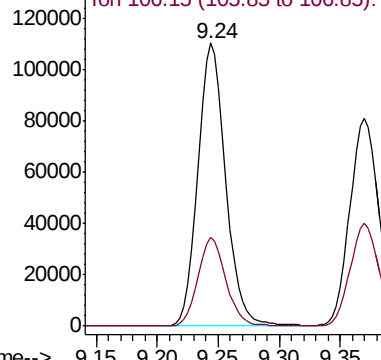
Ion Ratio Lower Upper

91 100

106 31.2 21.8 40.6



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



#53

m,p-Xylene

Concen: 5.354 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032423.D

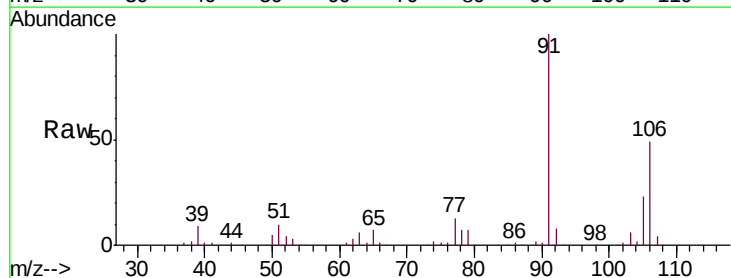
Acq: 04 Jun 2019 13:15

Tgt Ion: 106 Resp: 68210

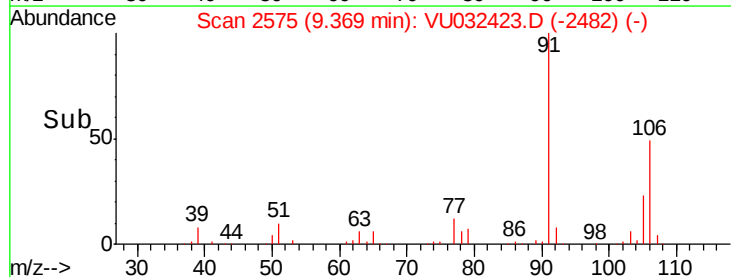
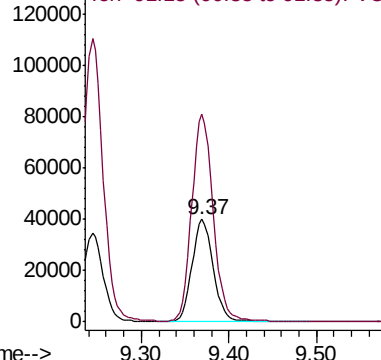
Ion Ratio Lower Upper

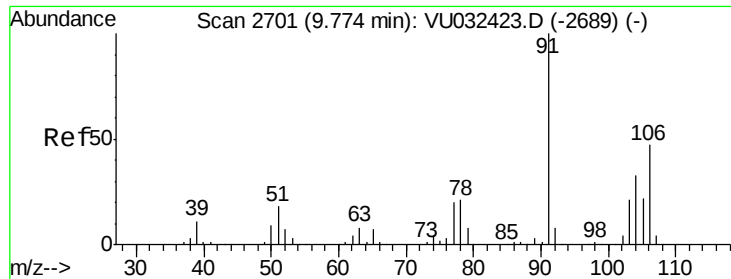
106 100

91 203.4 142.4 264.4



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

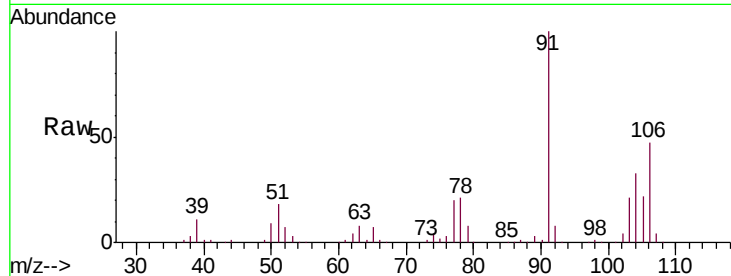




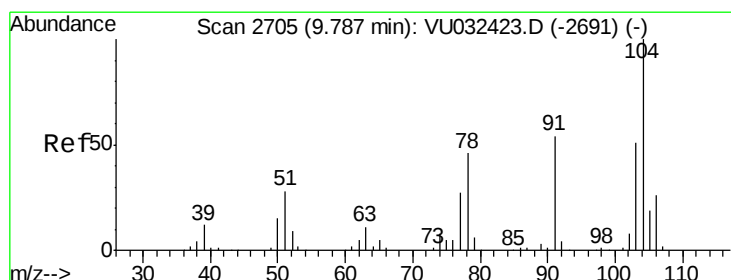
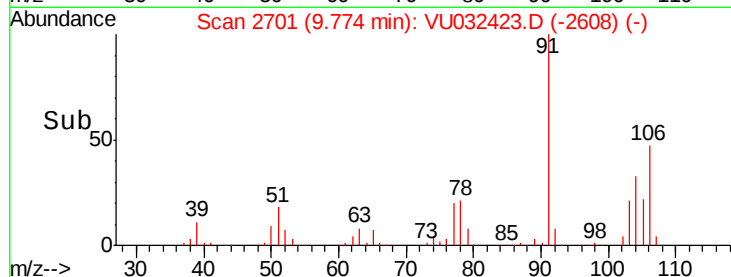
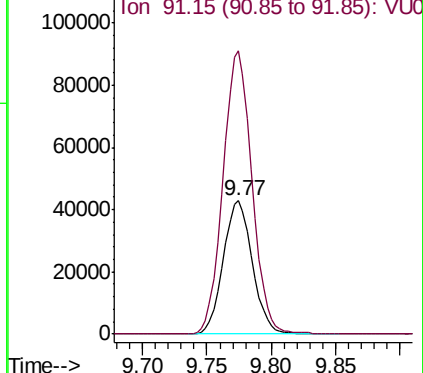
#54
o-Xylene
Concen: 5.406 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU032423.D
Acq: 04 Jun 2019 13:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Tgt Ion:106 Resp: 67089
Ion Ratio Lower Upper
106 100
91 212.6 148.8 276.4

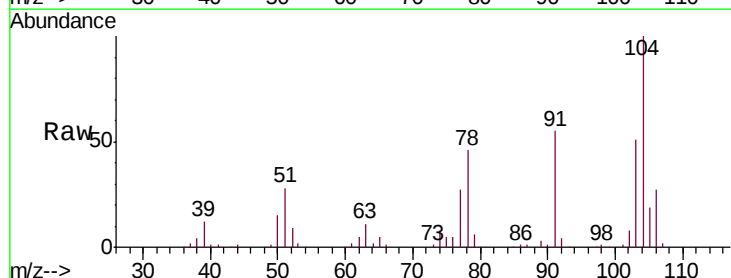


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

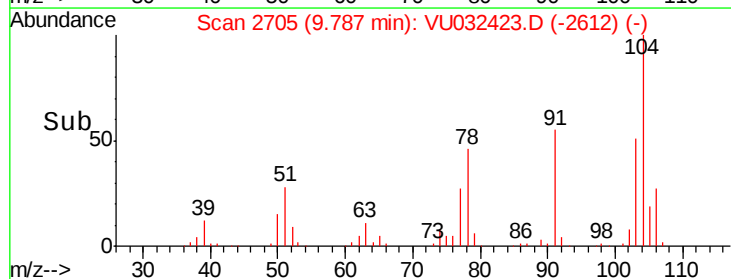
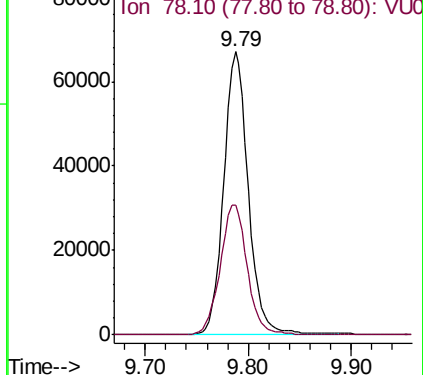


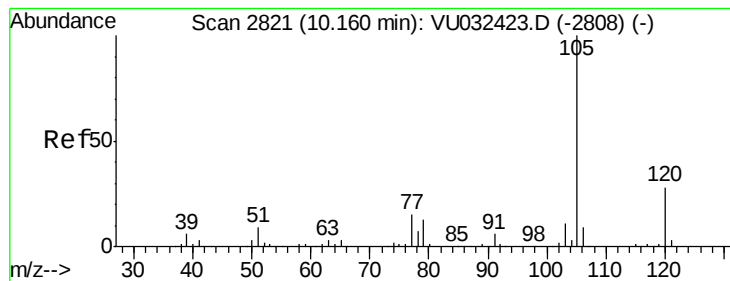
#55
Styrene
Concen: 5.377 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU032423.D
Acq: 04 Jun 2019 13:15

Tgt Ion:104 Resp: 111500
Ion Ratio Lower Upper
104 100
78 46.0 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: 5.405 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032423.D

Acq: 04 Jun 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

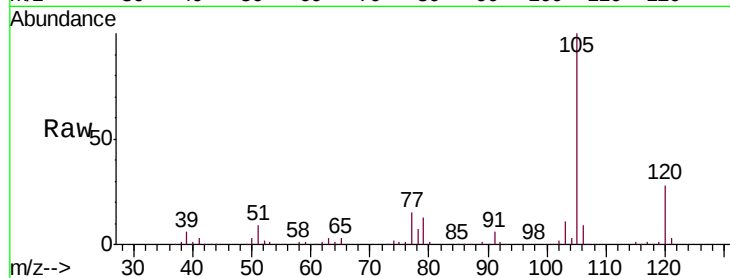
Tgt Ion: 105 Resp: 175821

Ion Ratio Lower Upper

105 100

120 27.0 21.6 32.4

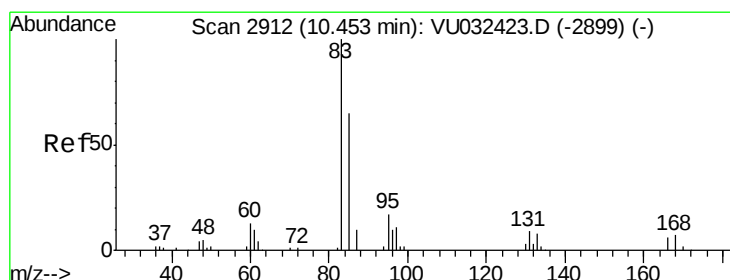
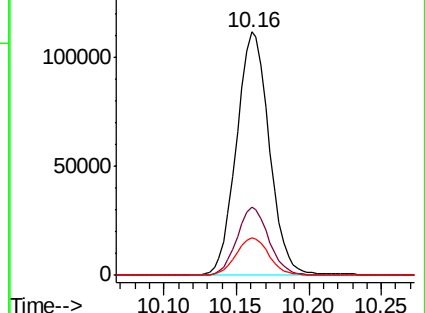
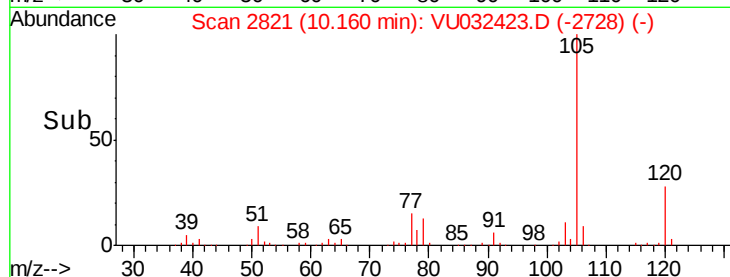
77 15.4 12.3 18.5



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: 5.096 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032423.D

Acq: 04 Jun 2019 13:15

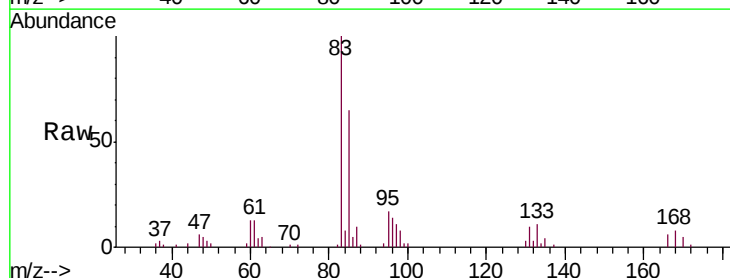
Tgt Ion: 83 Resp: 34372

Ion Ratio Lower Upper

83 100

85 65.3 45.7 84.9

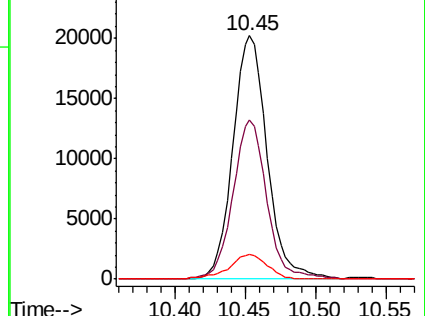
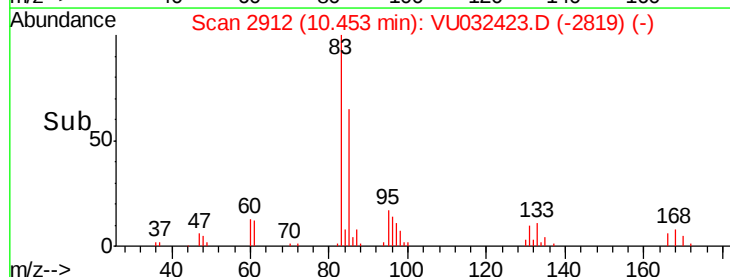
131 10.0 8.0 12.0

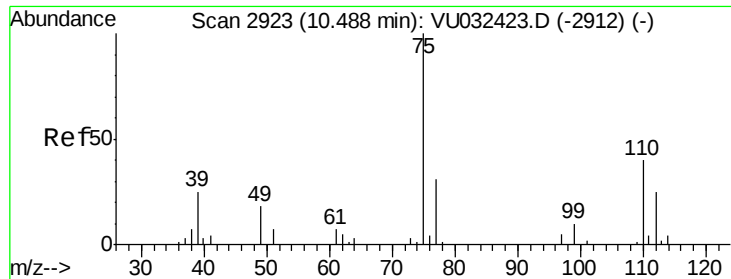


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

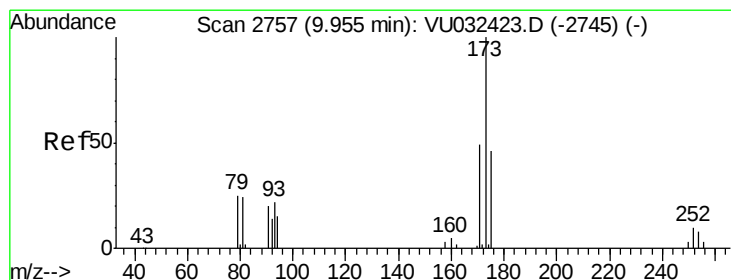
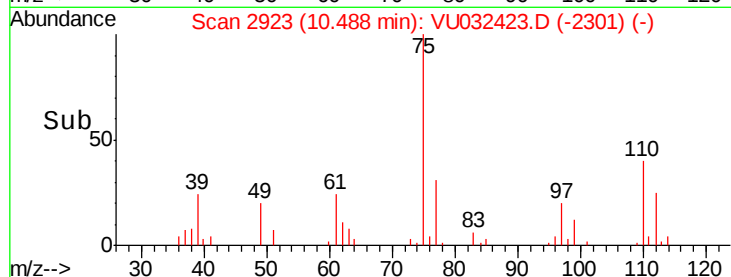
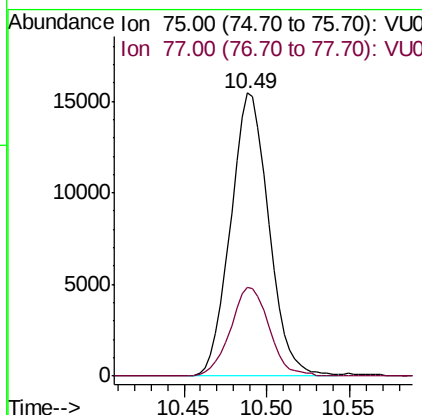
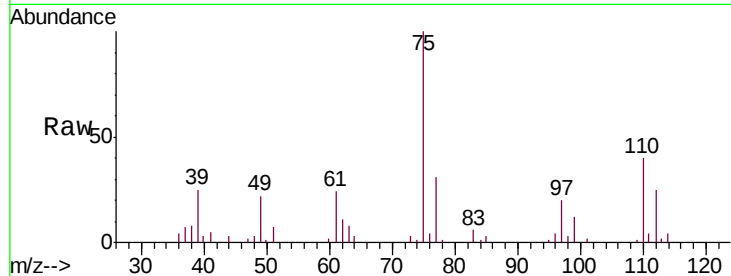




#59
 1,2,3-Trichloropropane
 Concen: 5.223 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU032423.D
 Acq: 04 Jun 2019 13:15

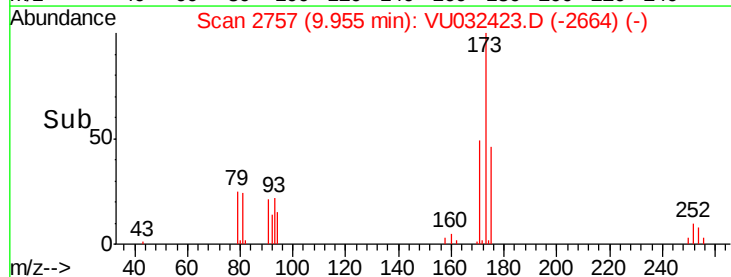
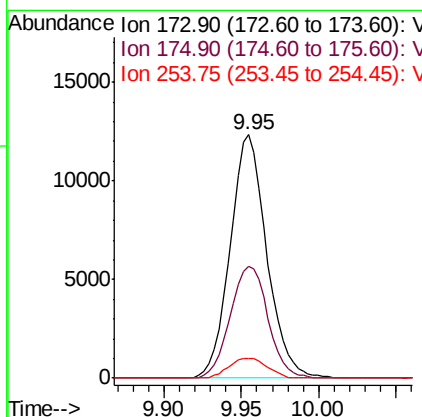
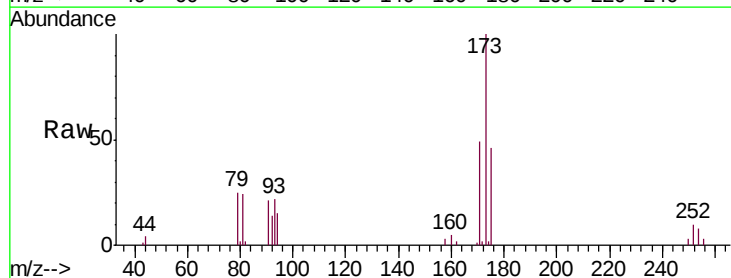
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

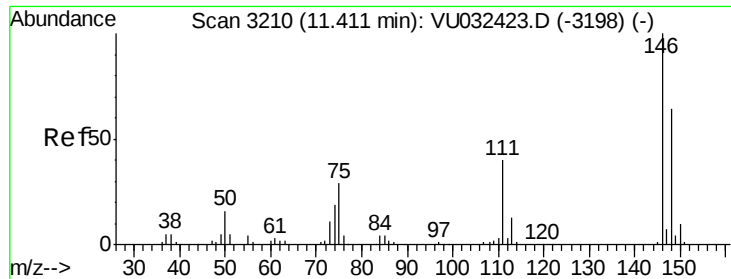
Tgt Ion: 75 Resp: 24826
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.3 37.9



#61
 Bromoform
 Concen: 5.018 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU032423.D
 Acq: 04 Jun 2019 13:15

Tgt Ion: 173 Resp: 20155
 Ion Ratio Lower Upper
 173 100
 175 47.4 37.9 56.9
 254 8.5 6.8 10.2

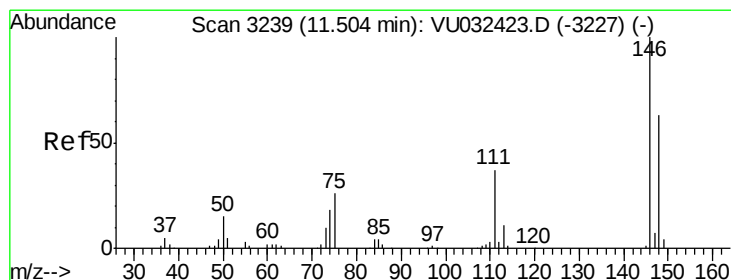
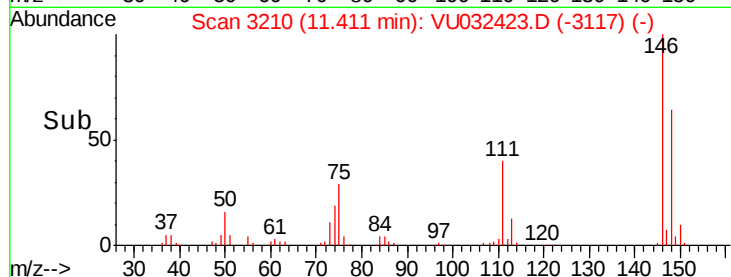
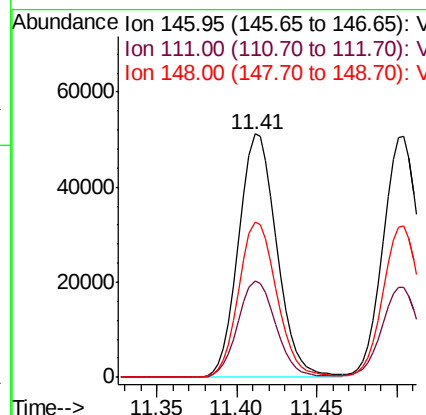
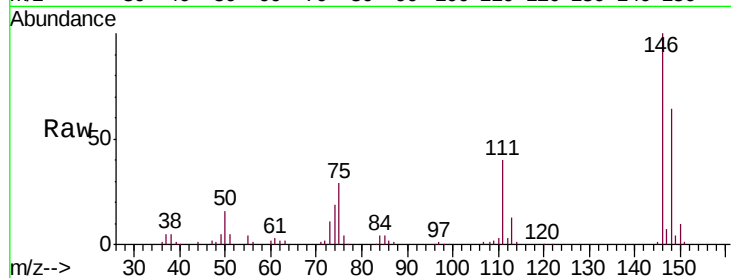




#62
 1,3-Dichlorobenzene
 Concen: 5.338 ug/L
 RT: 11.41 min Scan# 3210
 Delta R.T. 0.00 min
 Lab File: VU032423.D
 Acq: 04 Jun 2019 13:15

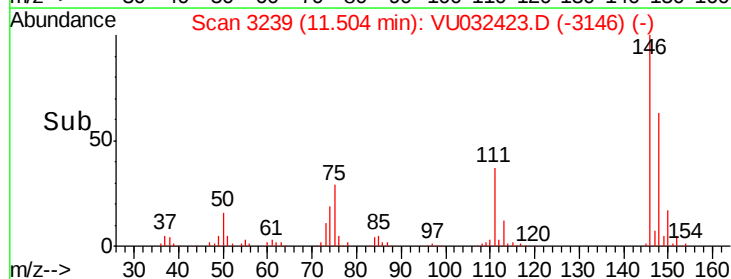
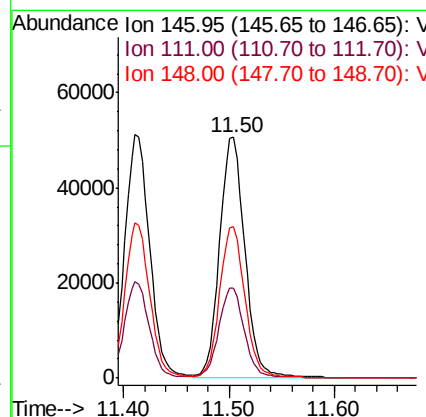
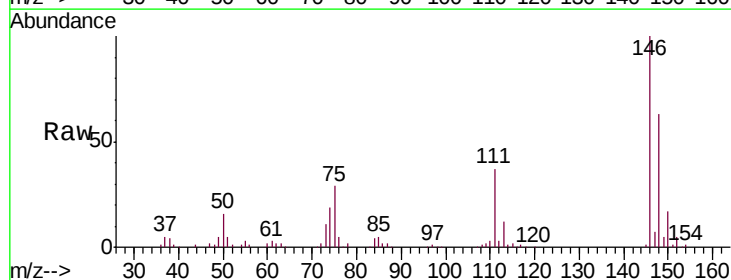
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

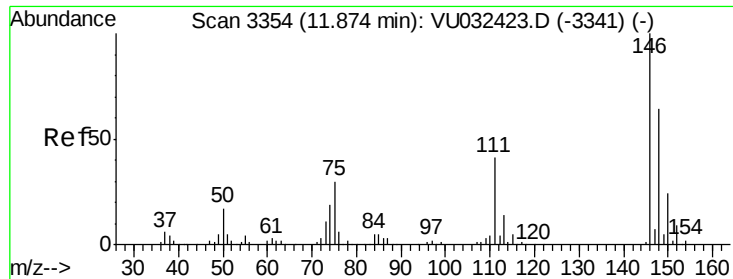
Tgt Ion:146 Resp: 83387
 Ion Ratio Lower Upper
 146 100
 111 39.6 27.7 51.5
 148 63.9 44.7 83.1



#63
 1,4-Dichlorobenzene
 Concen: 5.319 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU032423.D
 Acq: 04 Jun 2019 13:15

Tgt Ion:146 Resp: 84122
 Ion Ratio Lower Upper
 146 100
 111 37.4 26.2 48.6
 148 62.7 43.9 81.5





#65

1,2-Dichlorobenzene

Concen: 5.227 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU032423.D

Acq: 04 Jun 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

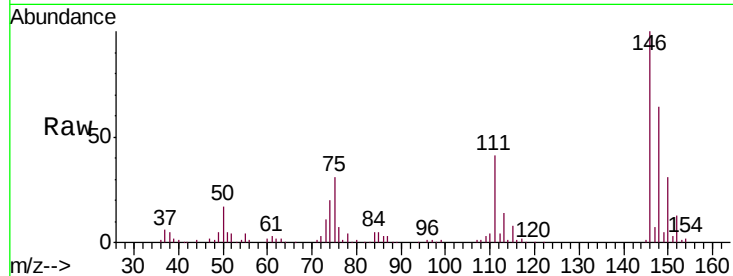
Tgt Ion:146 Resp: 79129

Ion Ratio Lower Upper

146 100

111 41.2 33.0 49.4

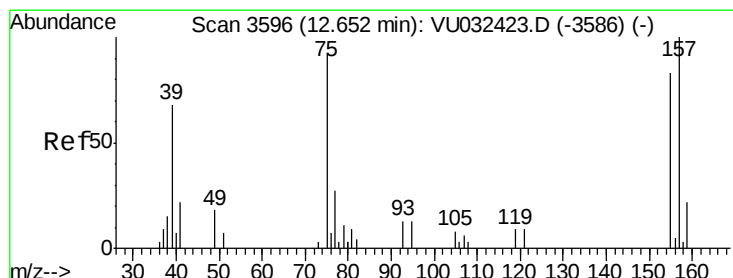
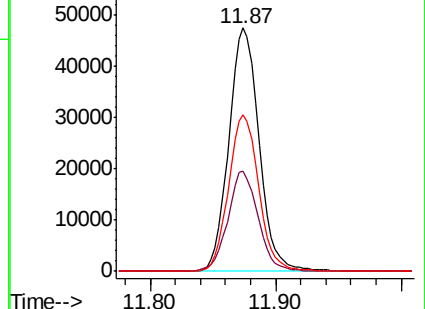
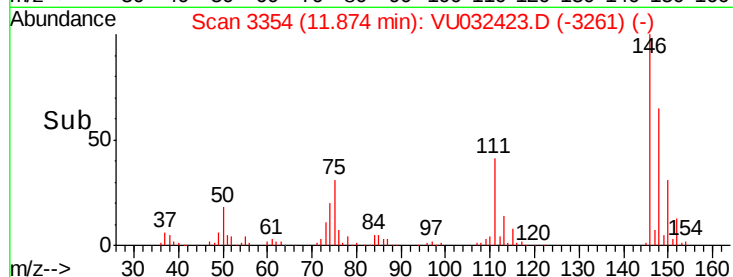
148 64.4 51.5 77.3



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: 5.380 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU032423.D

Acq: 04 Jun 2019 13:15

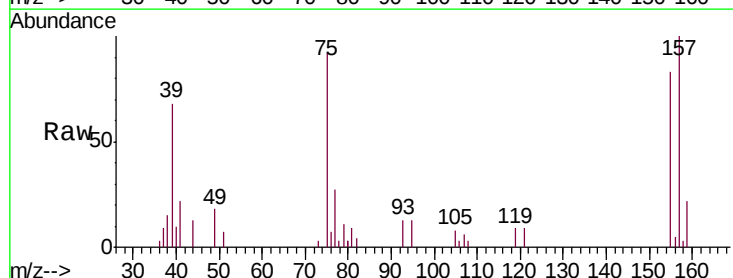
Tgt Ion: 75 Resp: 6067

Ion Ratio Lower Upper

75 100

155 90.4 72.3 108.5

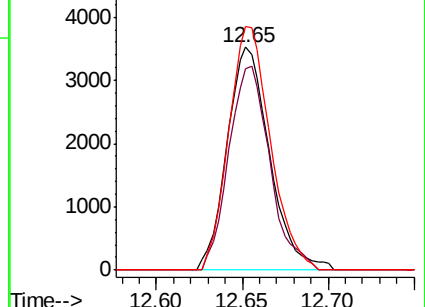
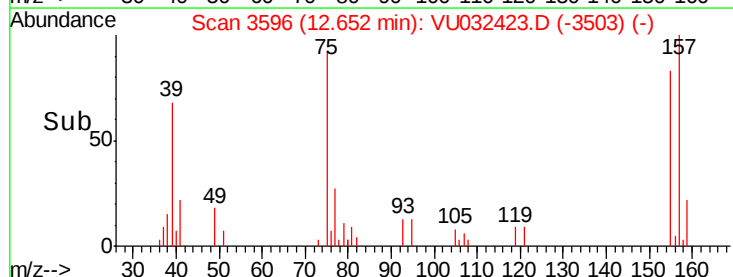
157 109.2 87.4 131.0

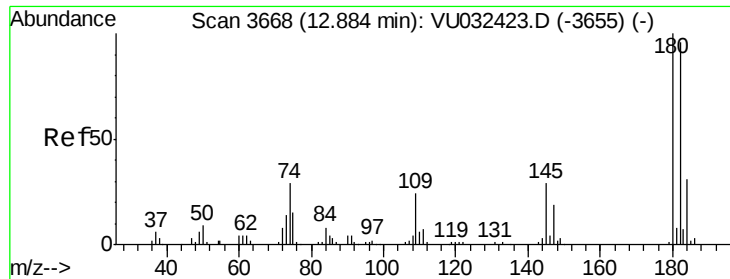


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

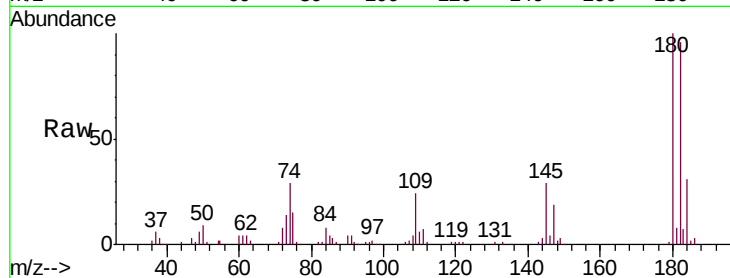




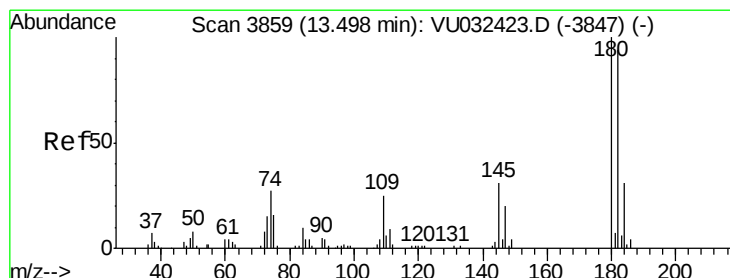
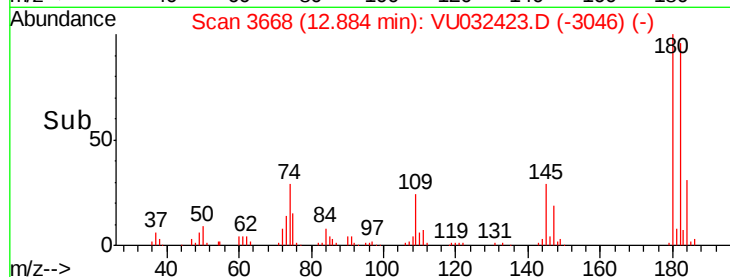
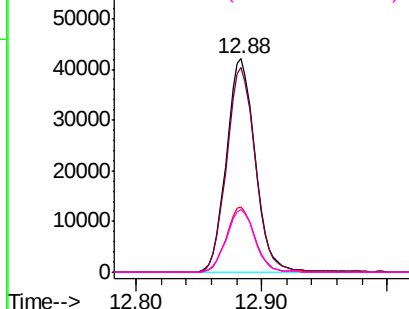
#67
 1,3,5-Trichlorobenzene
 Concen: 5.281 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU032423.D
 Acq: 04 Jun 2019 13:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Tgt Ion:180 Resp: 66927
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.6 115.0
 184 30.3 24.2 36.4
 145 29.4 23.5 35.3

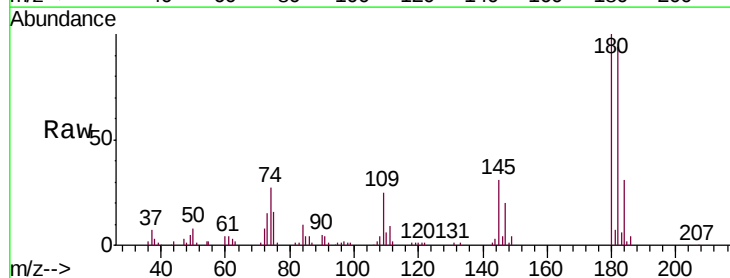


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

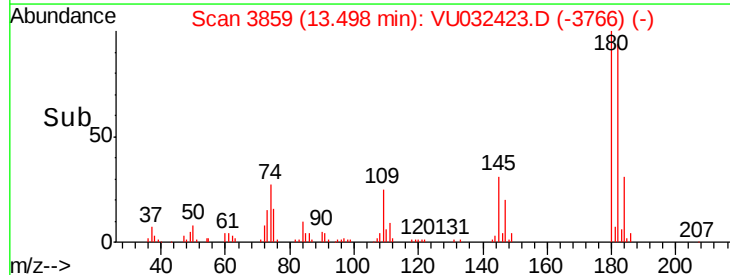
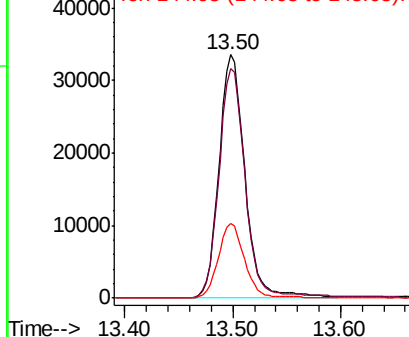


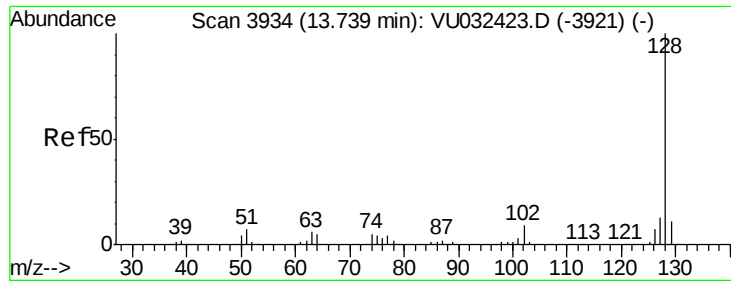
#68
 1,2,4-trichlorobenzene
 Concen: 5.386 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032423.D
 Acq: 04 Jun 2019 13:15

Tgt Ion:180 Resp: 56272
 Ion Ratio Lower Upper
 180 100
 182 93.5 74.8 112.2
 145 30.4 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: 3.325 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU032423.D

Acq: 04 Jun 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

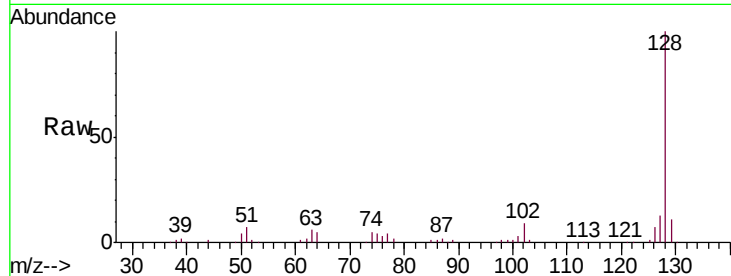
Tgt Ion:128 Resp: 102434

Ion Ratio Lower Upper

128 100

129 10.1 8.1 12.1

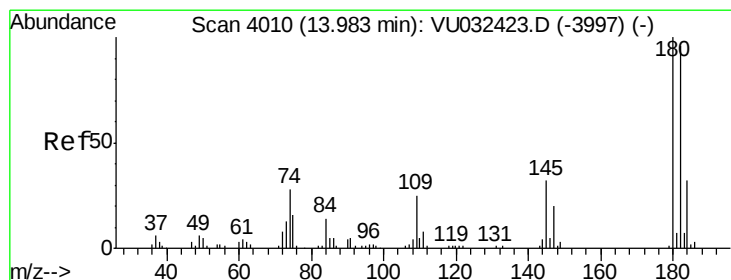
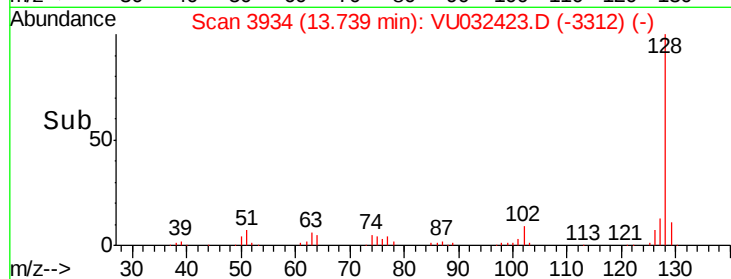
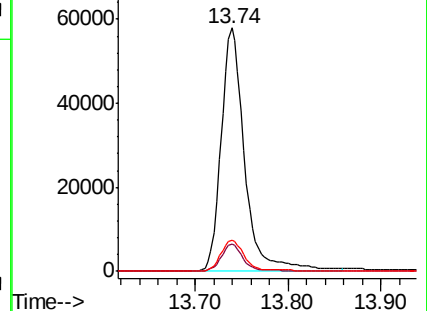
127 13.0 10.4 15.6



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: 5.309 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU032423.D

Acq: 04 Jun 2019 13:15

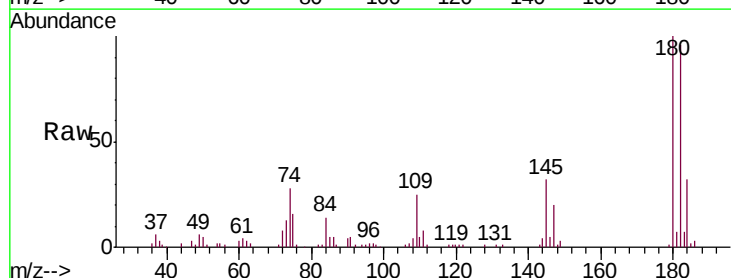
Tgt Ion:180 Resp: 53608

Ion Ratio Lower Upper

180 100

182 92.2 73.8 110.6

145 31.6 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

