

Data File : VU036862.D
Acq On : 20 Feb 2020 11:02
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Quant Time: Feb 21 00:47:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 20 13:35:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	144135	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	135180	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	61397	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	49848	4.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.40%
7) Chloroethane-d5	1.93	69	46439	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.40%
11) 1,1-Dichloroethene-d2	2.59	63	88335	4.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.40%
20) 2-Butanone-d5	4.68	46	135576	52.16	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.32%
24) Chloroform-d	5.11	84	87972	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	5.74	65	50166	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
32) Benzene-d6	5.76	84	186416	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.73	67	60520	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.80%
41) Toluene-d8	7.93	98	174150	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	8.21	79	22593	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.66	63	112162	48.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.88%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	48358	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	56038	4.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	41785	4.390 ug/L	99
3) Chloromethane	1.53	50	48302	4.875 ug/L	97
5) Vinyl chloride	1.62	62	51109	4.416 ug/L	98
6) Bromomethane	1.87	94	24846	3.573 ug/L	96
8) Chloroethane	1.95	64	33770	4.177 ug/L	98
9) Trichlorofluoromethane	2.16	101	66049	4.338 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	42620	4.384 ug/L	99
12) 1,1-Dichloroethene	2.60	96	39054	4.455 ug/L	98
13) Acetone	2.67	43	163627	49.227 ug/L	98
14) Carbon disulfide	2.82	76	89184	4.215 ug/L	100
15) Methyl Acetate	2.99	43	19860	4.503 ug/L	97
16) Methylene chloride	3.08	84	56169	3.801 ug/L	97
17) Methyl tert-butyl Ether	3.40	73	120415	4.637 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	41087	4.541 ug/L	99
19) 1,1-Dichloroethane	3.91	63	89646	4.725 ug/L	99
21) 2-Butanone	4.76	43	195025	50.439 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	51196	4.676 ug/L	95

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ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Quant Time: Feb 21 00:47:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 20 13:35:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	20048	4.606	ug/L	96
25) Chloroform	5.13	83	88711	4.378	ug/L	99
27) 1,2-Dichloroethane	5.83	62	58870	4.558	ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	66566	4.484	ug/L	98
30) Cyclohexane	5.42	56	73469	4.659	ug/L	96
31) Carbon tetrachloride	5.56	117	50976	4.256	ug/L	98
33) Benzene	5.81	78	192284	4.612	ug/L	100
34) Trichloroethene	6.57	95	48294	4.548	ug/L	99
35) Methylcyclohexane	6.79	83	75917	4.505	ug/L	98
37) 1,2-Dichloropropane	6.83	63	53894	4.734	ug/L	100
38) Bromodichloromethane	7.14	83	62480	4.599	ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	77792	4.722	ug/L	98
40) 4-Methyl-2-pentanone	7.83	43	366550	49.893	ug/L	100
42) Toluene	8.00	91	207610	4.636	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	61256	4.758	ug/L	96
45) 1,1,2-Trichloroethane	8.43	97	37241	4.702	ug/L	97
47) Tetrachloroethene	8.58	164	31878	4.413	ug/L	97
48) 2-Hexanone	8.72	43	319442	50.809	ug/L	99
49) Dibromochloromethane	8.83	129	38194	4.663	ug/L	97
50) 1,2-Dibromoethane	8.95	107	32770	4.581	ug/L	100
51) Chlorobenzene	9.47	112	127422	4.600	ug/L	99
52) Ethylbenzene	9.59	91	230992	4.618	ug/L	100
53) m,p-Xylene	9.72	106	85646	4.653	ug/L	94
54) o-Xylene	10.12	106	84822	4.693	ug/L	97
55) Styrene	10.14	104	140461	4.610	ug/L	100
56) Isopropylbenzene	10.50	105	229380	4.742	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	47929	4.623	ug/L	96
59) 1,2,3-Trichloropropane	10.84	75	34850	4.636	ug/L	99
61) Bromoform	10.31	173	19405	4.587	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	97465	4.608	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	96009	4.578	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	93108	4.566	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	6742	4.430	ug/L	93
67) 1,3,5-Trichlorobenzene	13.25	180	69796	4.687	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	53888	4.799	ug/L	99
69) Naphthalene	14.12	128	120691	5.932	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	50075	4.969	ug/L	97

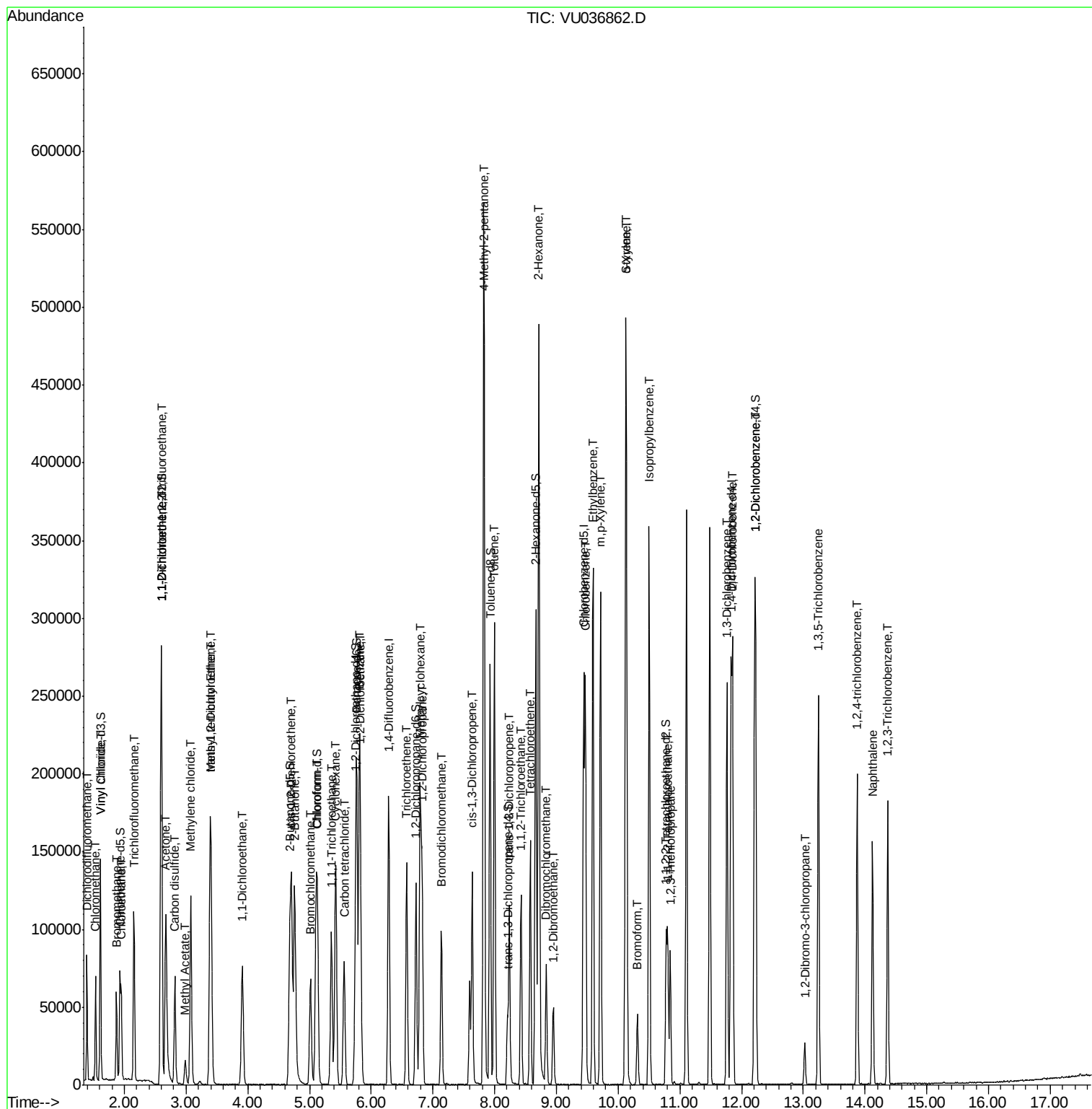
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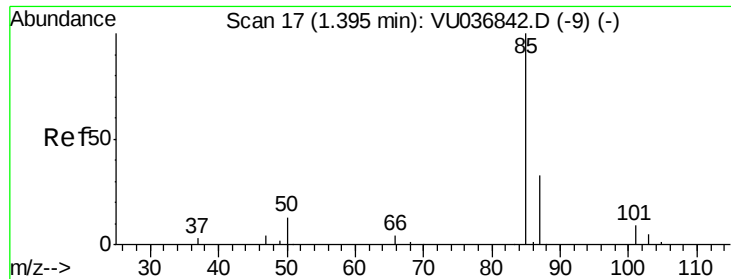
Data File : VU036862.D

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Acq On       : 20 Feb 2020   11:02
Operator    : JC/MD
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ALS Vial    : 2      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

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#2

Dichlorodifluoromethane

Concen: 4.390 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036862.D

Acq: 20 Feb 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

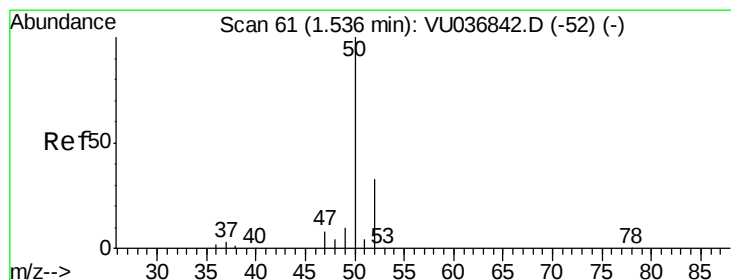
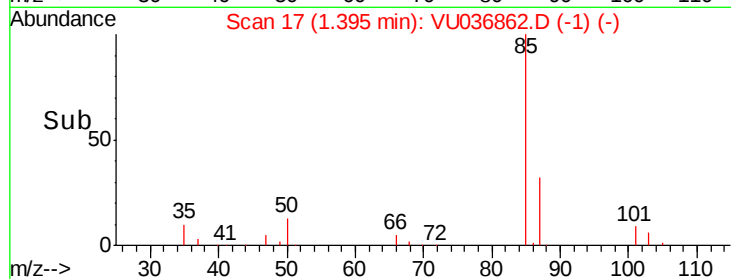
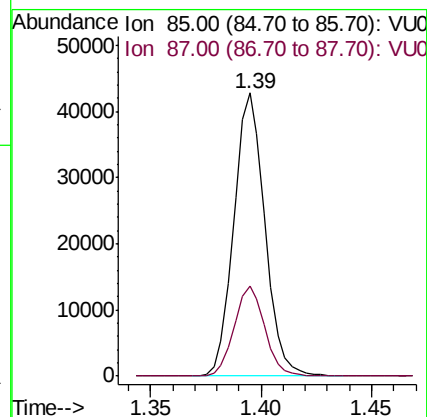
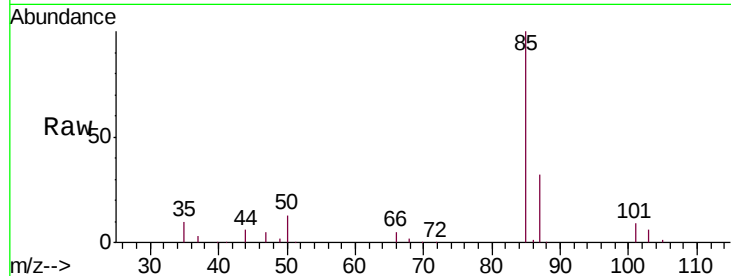
VSTD00526

Tgt Ion: 85 Resp: 41785

Ion Ratio Lower Upper

85 100

87 31.3 25.7 38.5



#3

Chloromethane

Concen: 4.875 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU036862.D

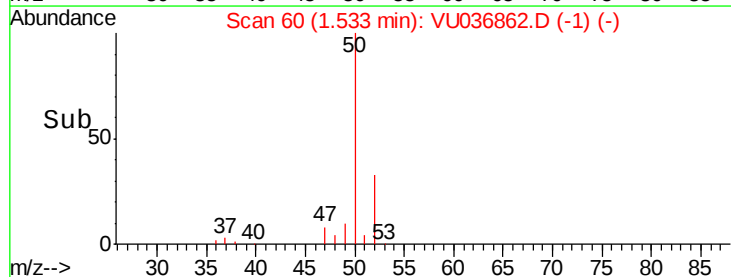
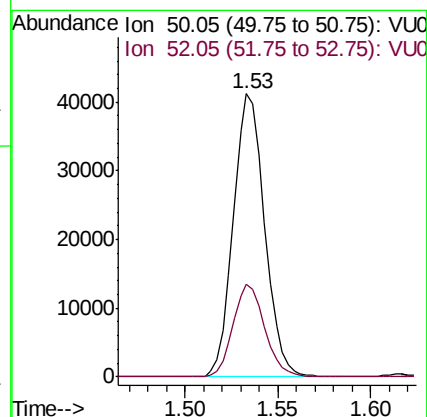
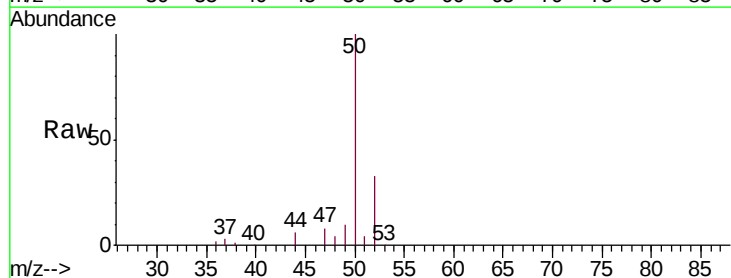
Acq: 20 Feb 2020 11:02

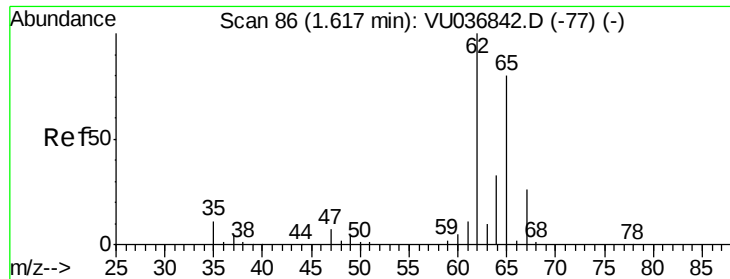
Tgt Ion: 50 Resp: 48302

Ion Ratio Lower Upper

50 100

52 32.5 23.8 44.2





#5

Vinyl chloride

Concen: 4.416 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036862.D

Acq: 20 Feb 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

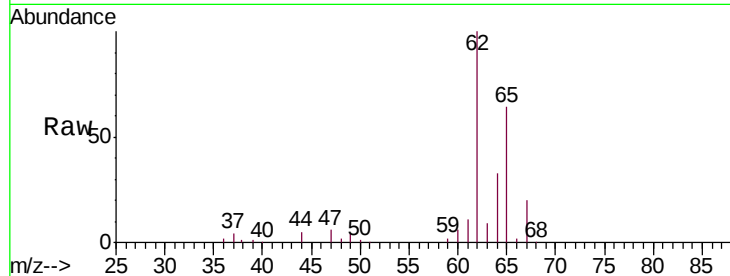
VSTD00526

Tgt Ion: 62 Resp: 51109

Ion Ratio Lower Upper

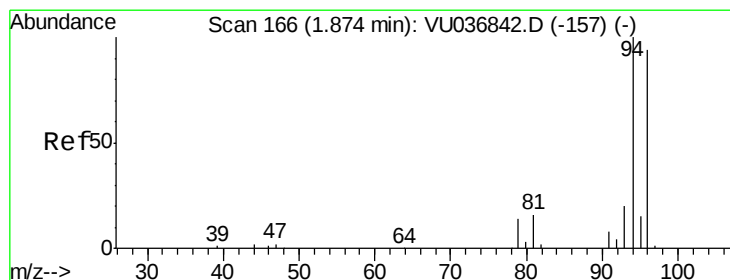
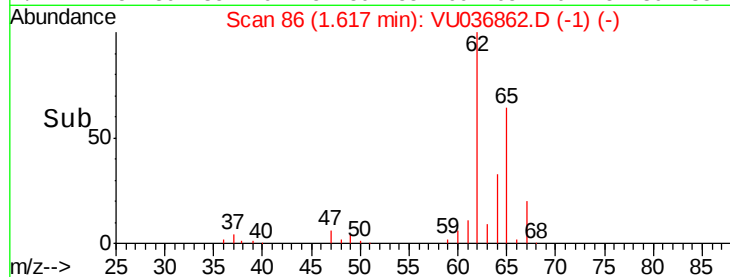
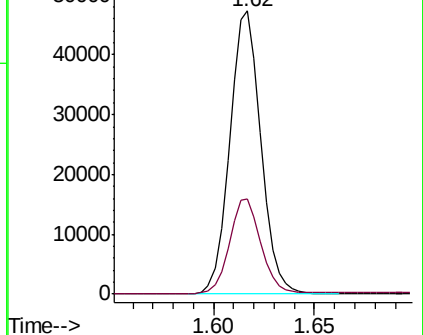
62 100

64 33.4 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU036862.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU036862.D (-1) (-)



#6

Bromomethane

Concen: 3.573 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU036862.D

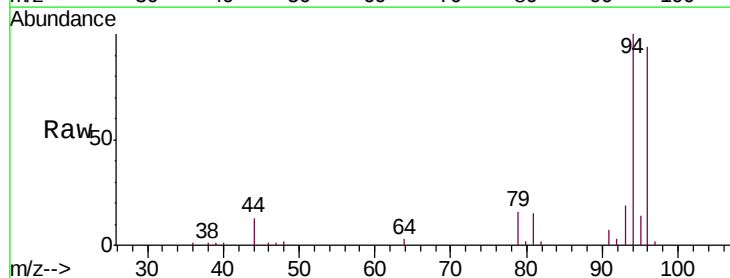
Acq: 20 Feb 2020 11:02

Tgt Ion: 94 Resp: 24846

Ion Ratio Lower Upper

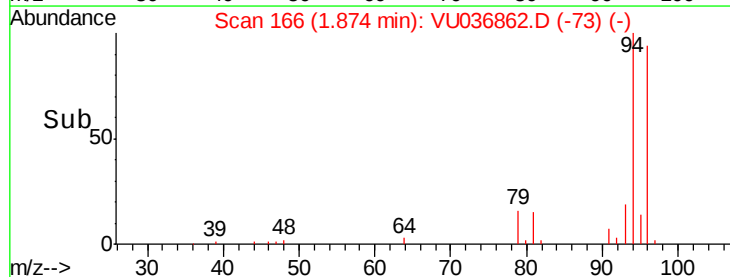
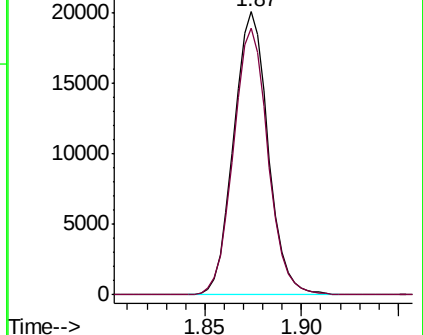
94 100

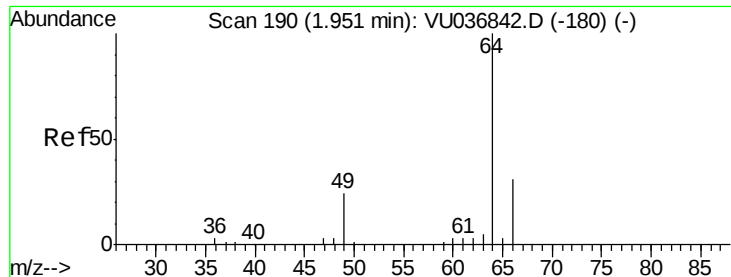
96 94.3 63.3 117.7



Abundance Ion 94.00 (93.70 to 94.70): VU036862.D (-73) (-)

Ion 96.00 (95.70 to 96.70): VU036862.D (-73) (-)





#8

Chloroethane

Concen: 4.177 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036862.D

Acq: 20 Feb 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

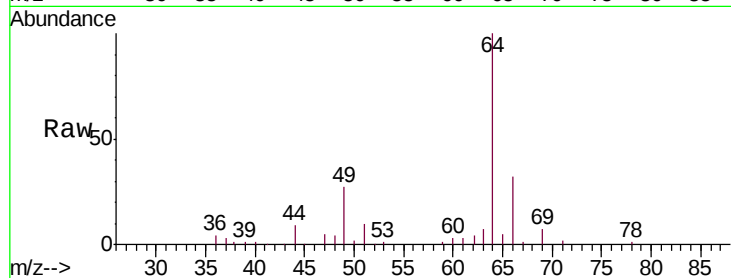
VSTD00526

Tgt Ion: 64 Resp: 33770

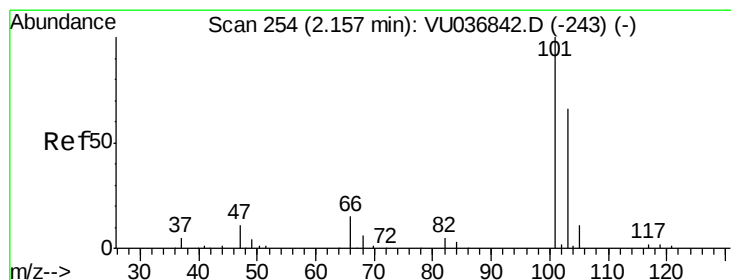
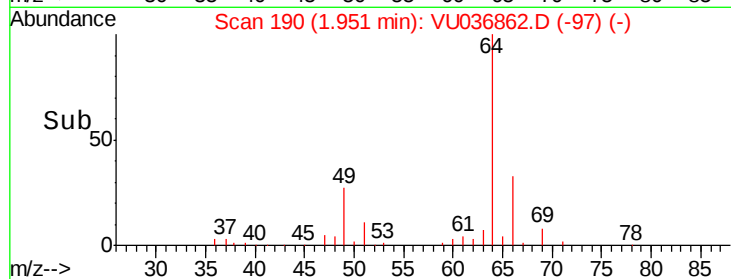
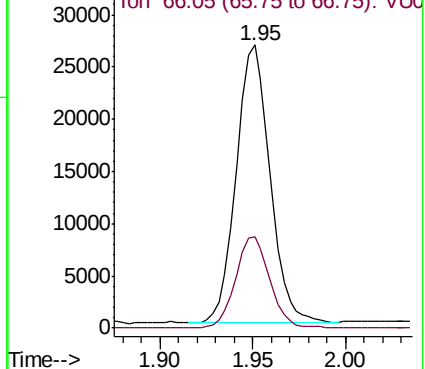
Ion Ratio Lower Upper

64 100

66 32.4 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VU036862.D (-180) (-)



#9

Trichlorofluoromethane

Concen: 4.338 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU036862.D

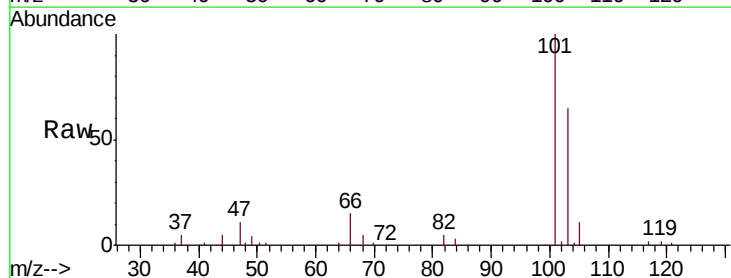
Acq: 20 Feb 2020 11:02

Tgt Ion: 101 Resp: 66049

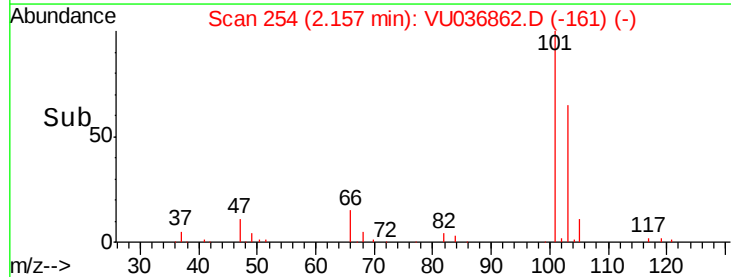
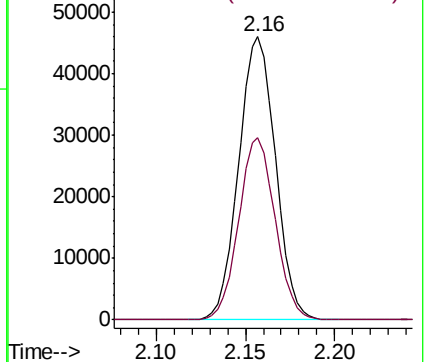
Ion Ratio Lower Upper

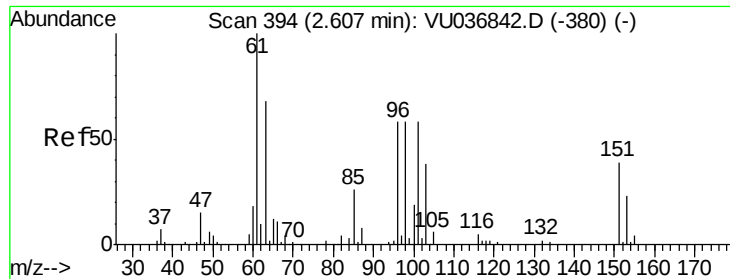
101 100

103 63.7 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VU036862.D (-243) (-)





#10

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

Concen: 4.384 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036862.D

Acq: 20 Feb 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

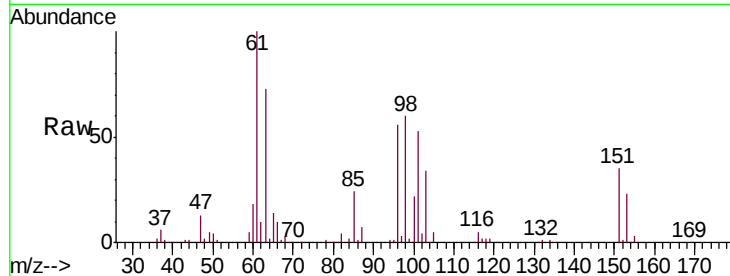
Tgt Ion:101 Resp: 42620

Ion Ratio Lower Upper

101 100

85 44.7 36.4 54.6

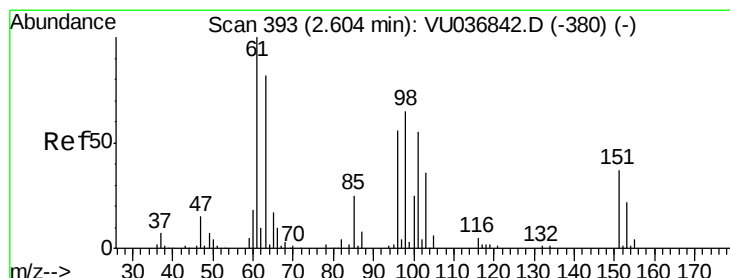
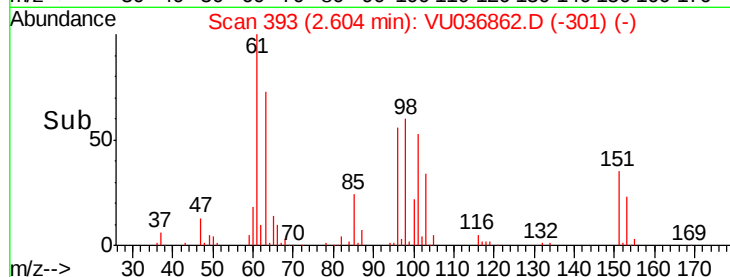
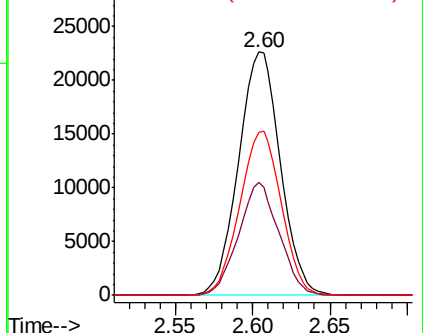
151 66.7 54.0 81.0



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: 4.455 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036862.D

Acq: 20 Feb 2020 11:02

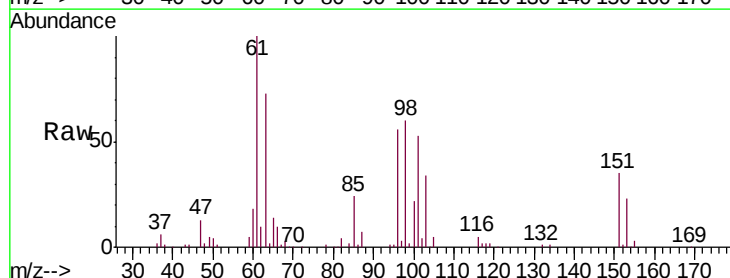
Tgt Ion: 96 Resp: 39054

Ion Ratio Lower Upper

96 100

61 178.6 126.4 234.8

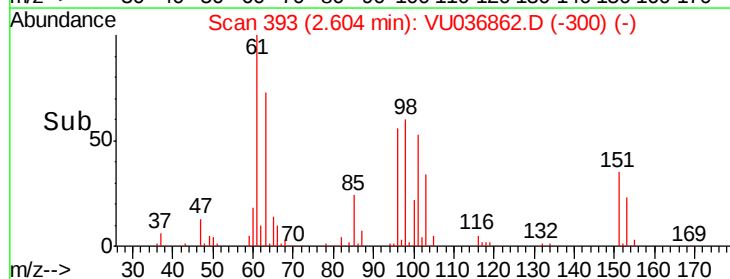
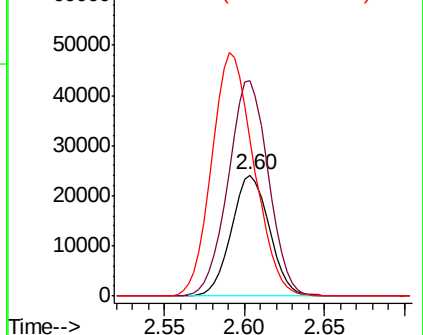
63 129.9 89.5 166.3

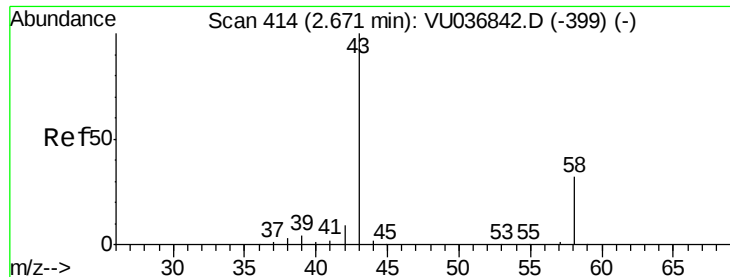


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.227 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.00 min

Lab File: VU036862.D

Acq: 20 Feb 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

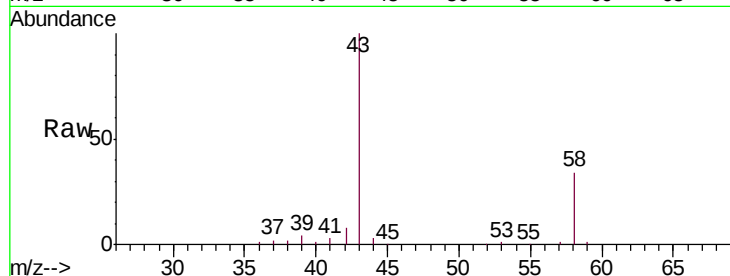
VSTD00526

Tgt Ion: 43 Resp: 163627

Ion Ratio Lower Upper

43 100

58 33.4 0.0 64.2



Abundance Ion 43.05 (42.75 to 43.75): VU036862.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VU036862.D (-399) (-)

80000

60000

40000

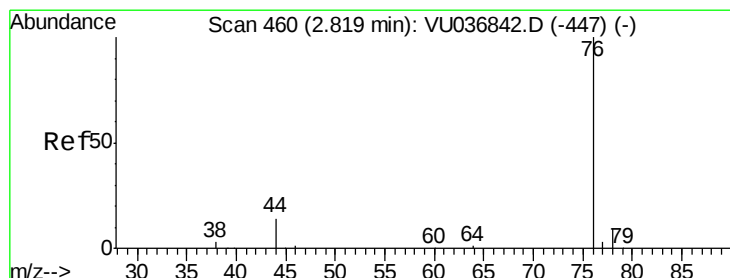
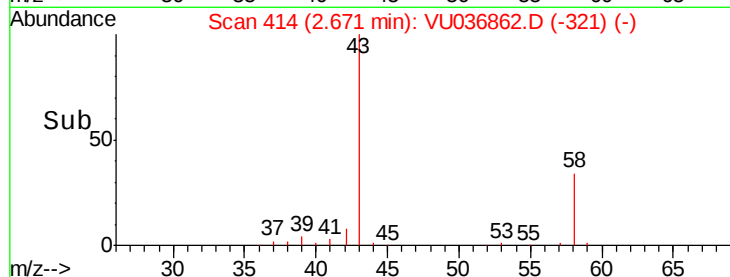
20000

0

Time-->

2.60 2.70 2.80

2.67



#14

Carbon disulfide

Concen: 4.215 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036862.D

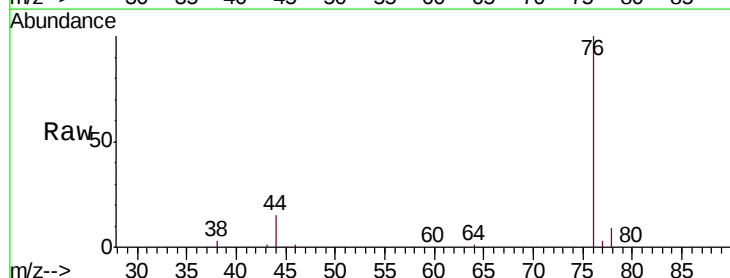
Acq: 20 Feb 2020 11:02

Tgt Ion: 76 Resp: 89184

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU036862.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU036862.D (-367) (-)

60000

50000

40000

30000

20000

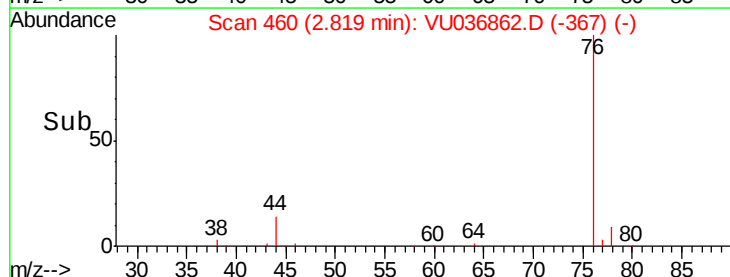
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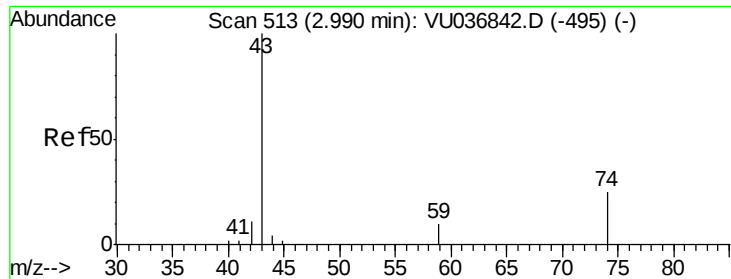
0

Time-->

2.75 2.80 2.85 2.90

2.82





#15

Methyl Acetate

Concen: 4.503 ug/L

RT: 2.99 min Scan# 512

Delta R.T. -0.00 min

Lab File: VU036862.D

Acq: 20 Feb 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

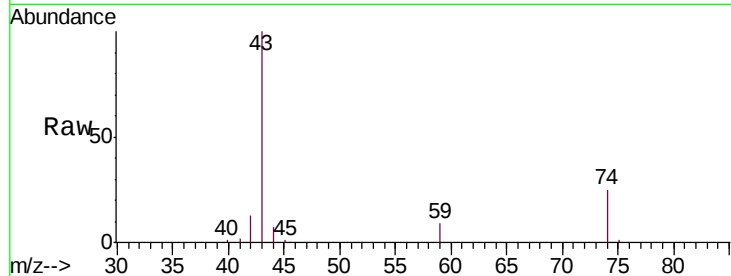
VSTD00526

Tgt Ion: 43 Resp: 19860

Ion Ratio Lower Upper

43 100

74 25.1 19.0 28.4



Abundance Ion 43.05 (42.75 to 43.75): VU036862.D (-495) (-)

Ion 74.05 (73.75 to 74.75): VU036862.D (-495) (-)

12000

10000

8000

6000

4000

2000

0

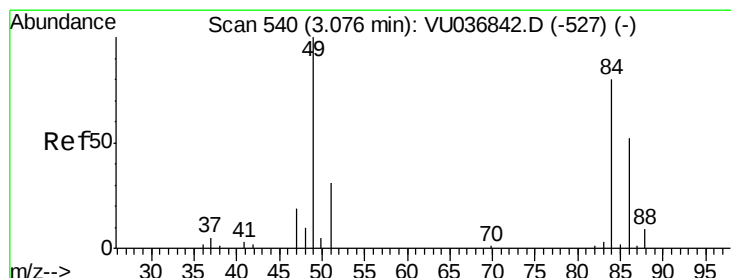
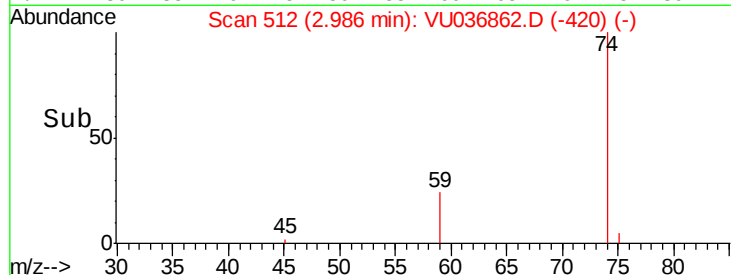
Time-->

2.90

2.95

3.00

3.05



#16

Methylene chloride

Concen: 3.801 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU036862.D

Acq: 20 Feb 2020 11:02

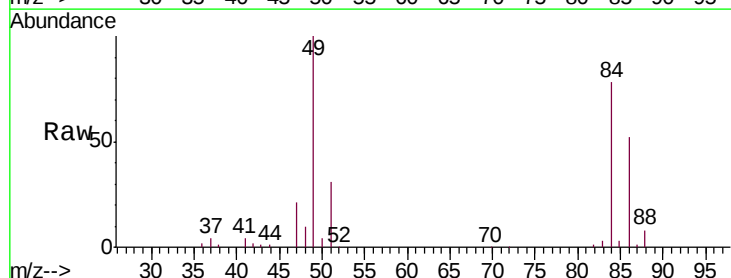
Tgt Ion: 84 Resp: 56169

Ion Ratio Lower Upper

84 100

86 65.8 44.7 82.9

49 127.7 86.7 160.9



Abundance Ion 84.05 (83.75 to 84.75): VU036862.D (-527) (-)

Ion 86.00 (85.70 to 86.70): VU036862.D (-527) (-)

Ion 49.10 (48.80 to 49.80): VU036862.D (-527) (-)

50000

40000

30000

20000

10000

0

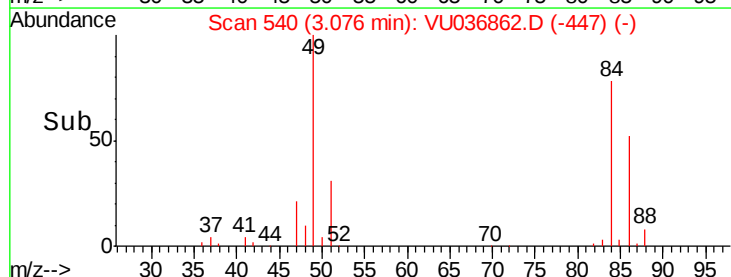
Time-->

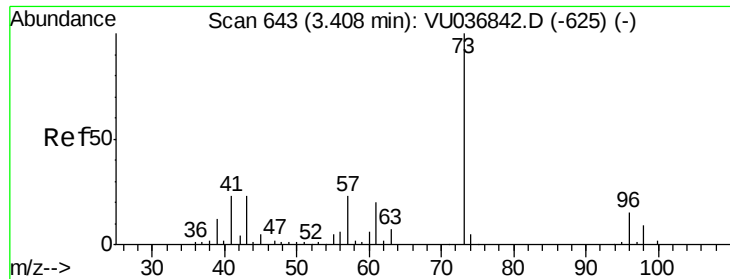
3.00

3.05

3.10

3.15

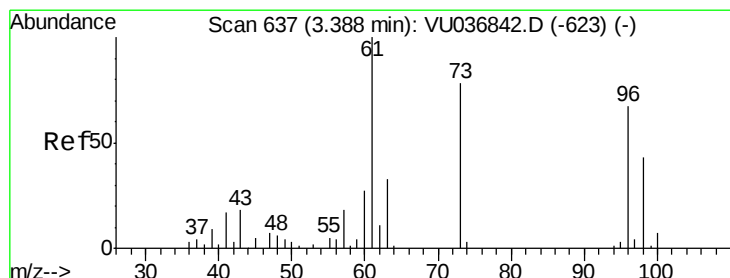
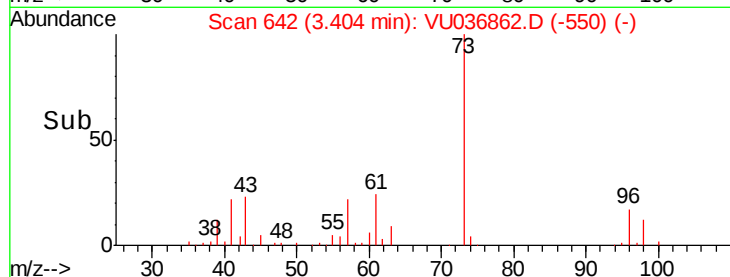
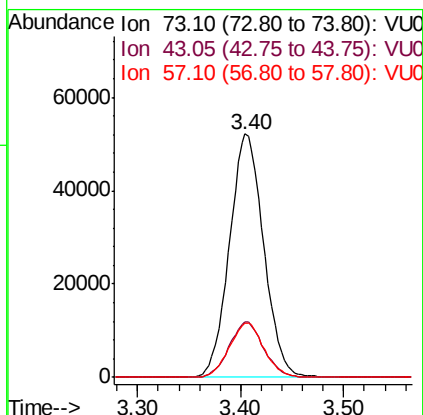
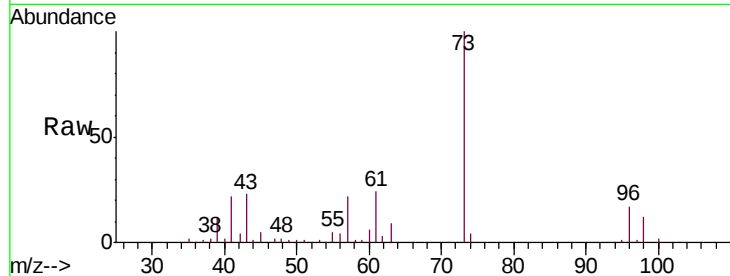




#17
Methyl tert-butyl Ether
Concen: 4.637 ug/L
RT: 3.40 min Scan# 642
Delta R.T. -0.00 min
Lab File: VU036862.D
Acq: 20 Feb 2020 11:02

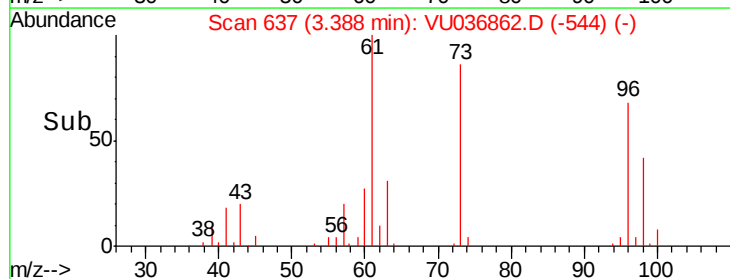
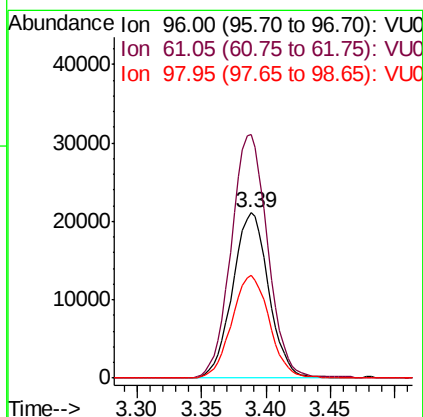
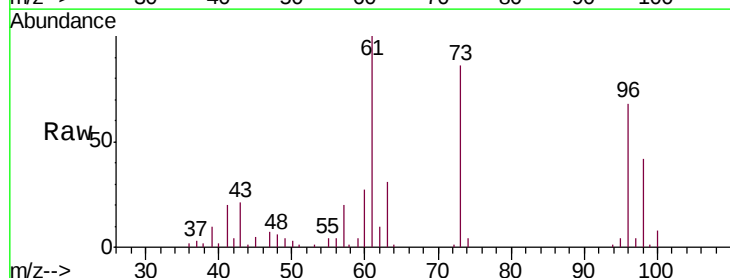
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

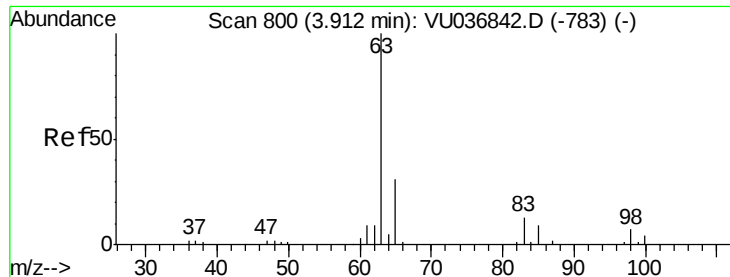
Tgt Ion: 73 Resp: 120415
Ion Ratio Lower Upper
73 100
43 23.0 18.7 28.1
57 22.6 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 4.541 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU036862.D
Acq: 20 Feb 2020 11:02

Tgt Ion: 96 Resp: 41087
Ion Ratio Lower Upper
96 100
61 147.5 102.6 190.5
98 62.3 44.5 82.7

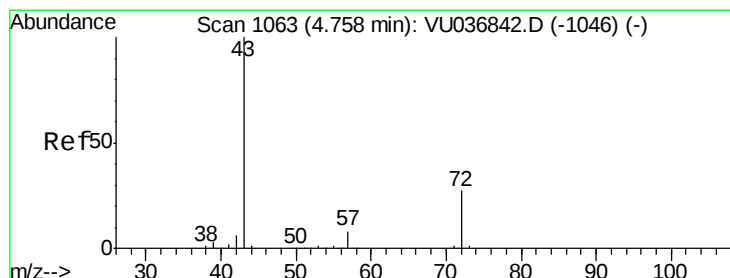
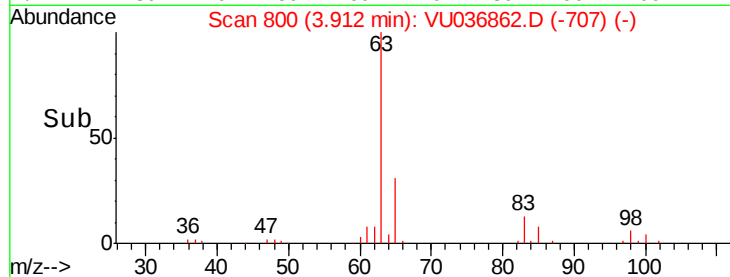
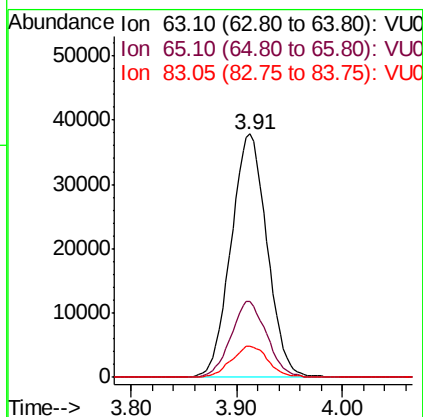
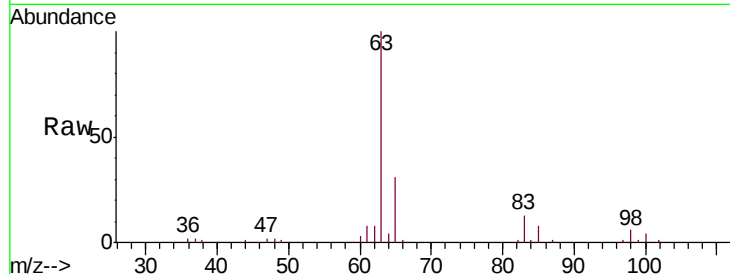




#19
 1,1-Dichloroethane
 Concen: 4.725 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VU036862.D
 Acq: 20 Feb 2020 11:02

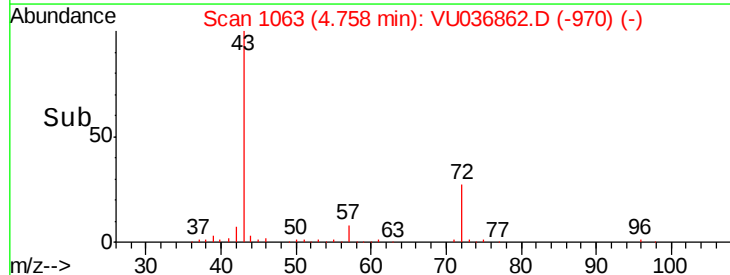
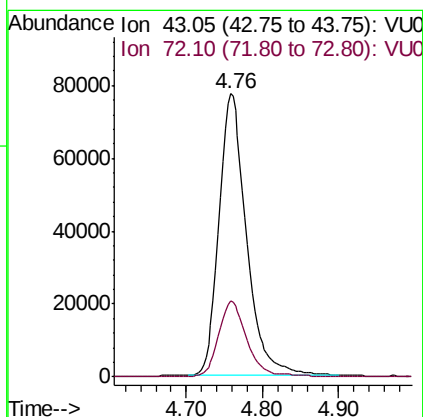
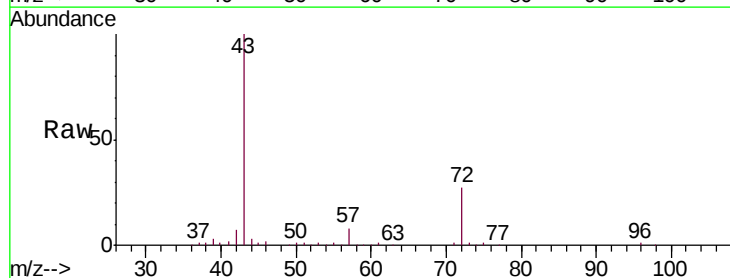
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

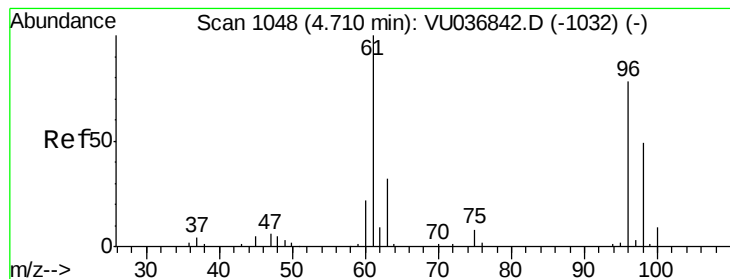
Tgt Ion: 63 Resp: 89646
 Ion Ratio Lower Upper
 63 100
 65 31.1 21.6 40.2
 83 12.8 8.8 16.3



#21
 2-Butanone
 Concen: 50.439 ug/L
 RT: 4.76 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: VU036862.D
 Acq: 20 Feb 2020 11:02

Tgt Ion: 43 Resp: 195025
 Ion Ratio Lower Upper
 43 100
 72 27.6 14.0 41.9





#22

cis-1,2-Dichloroethene

Concen: 4.676 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU036862.D

Acq: 20 Feb 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

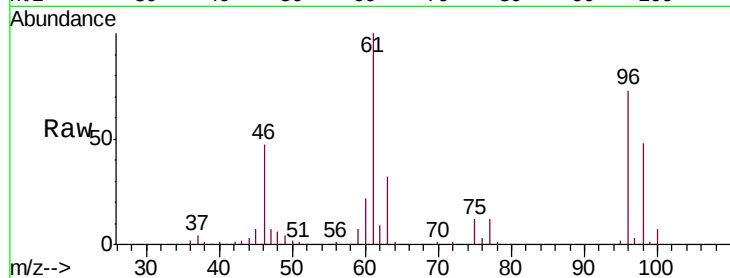
Tgt Ion: 96 Resp: 51196

Ion Ratio Lower Upper

96 100

61 136.4 91.2 169.4

68 0.0 0.0 0.0

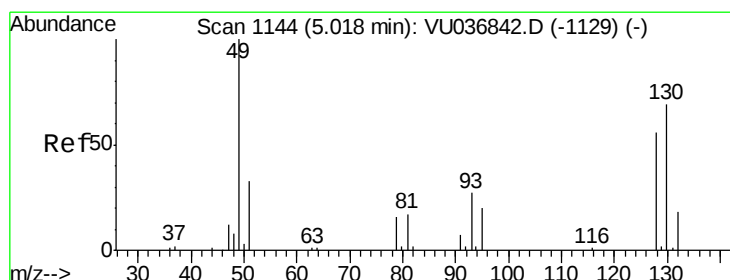
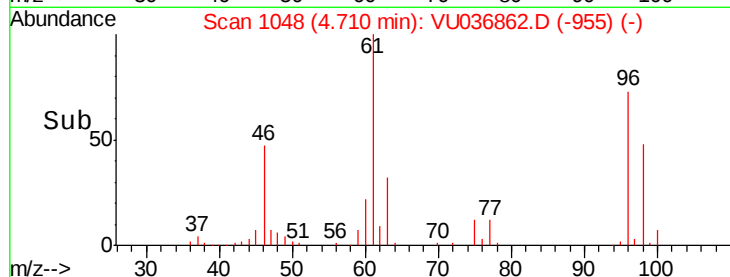
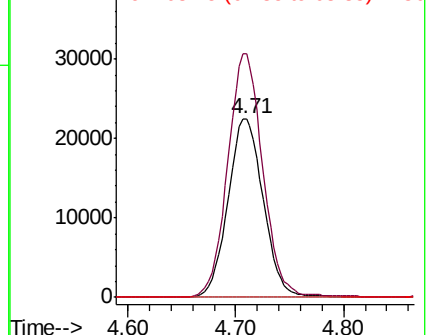


Abundance

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: 4.606 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU036862.D

Acq: 20 Feb 2020 11:02

Tgt Ion: 128 Resp: 20048

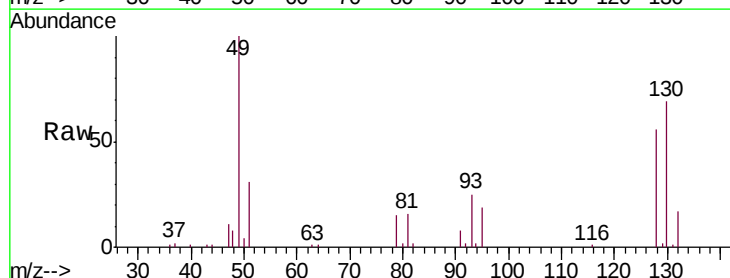
Ion Ratio Lower Upper

128 100

49 180.1 132.4 245.8

130 124.3 89.0 165.2

51 55.8 45.6 68.4



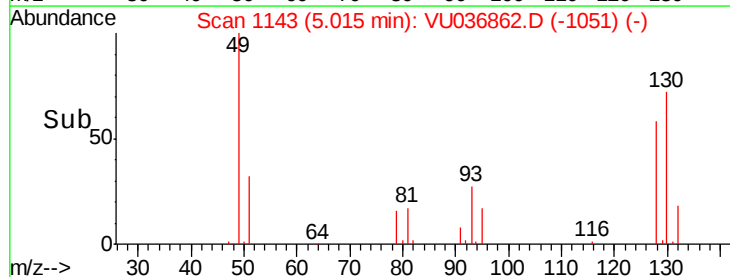
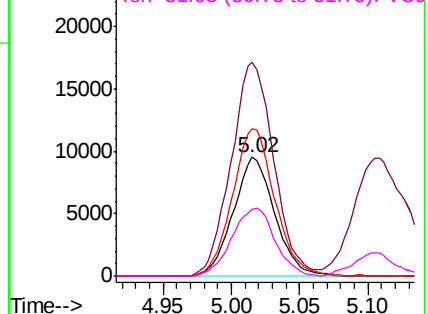
Abundance

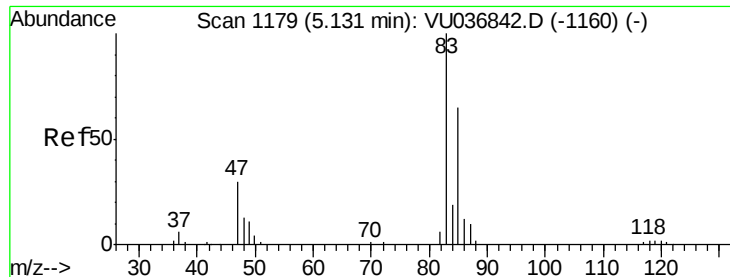
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

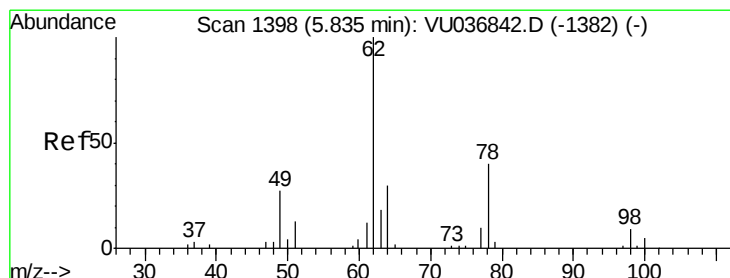
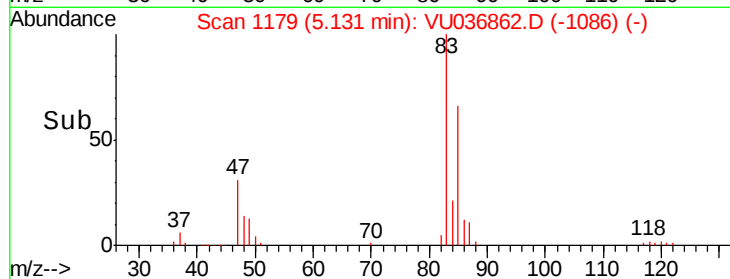
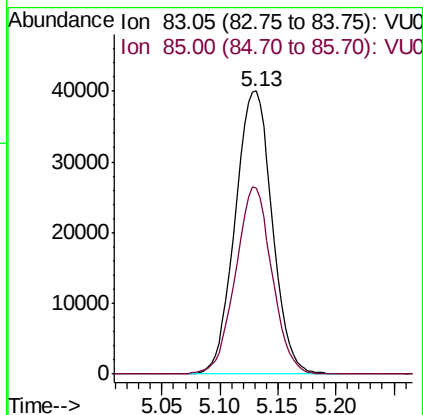
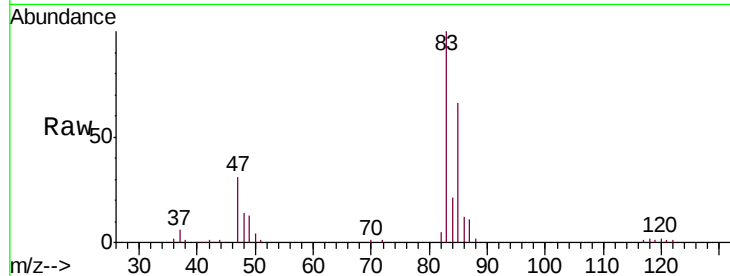




#25
Chloroform
Concen: 4.378 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU036862.D
Acq: 20 Feb 2020 11:02

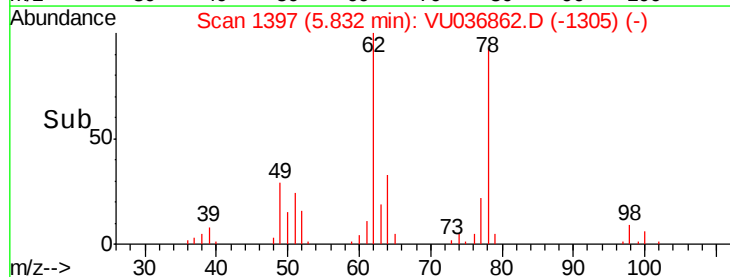
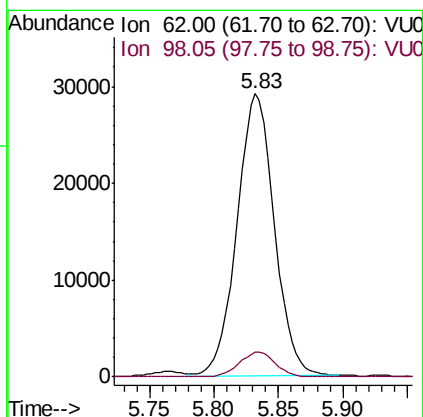
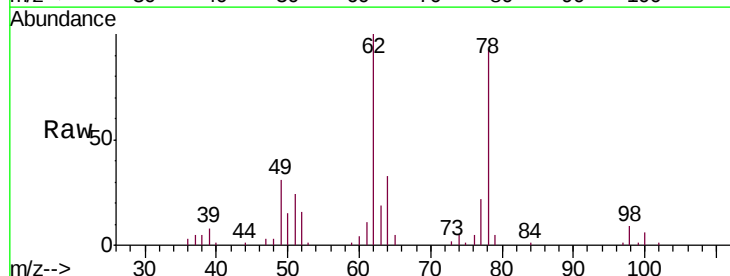
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

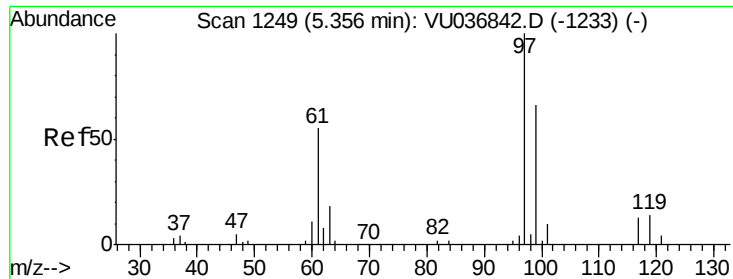
Tgt Ion: 83 Resp: 88711
Ion Ratio Lower Upper
83 100
85 65.9 45.4 84.2



#27
1,2-Dichloroethane
Concen: 4.558 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU036862.D
Acq: 20 Feb 2020 11:02

Tgt Ion: 62 Resp: 58870
Ion Ratio Lower Upper
62 100
98 8.8 7.0 10.4

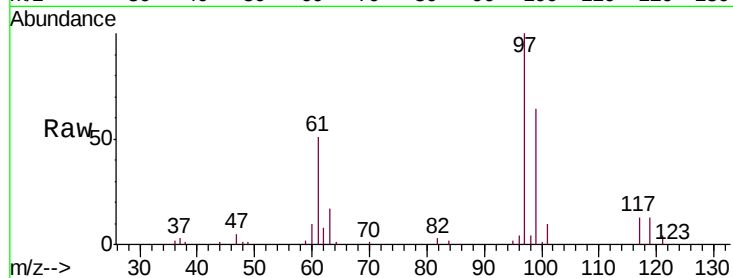




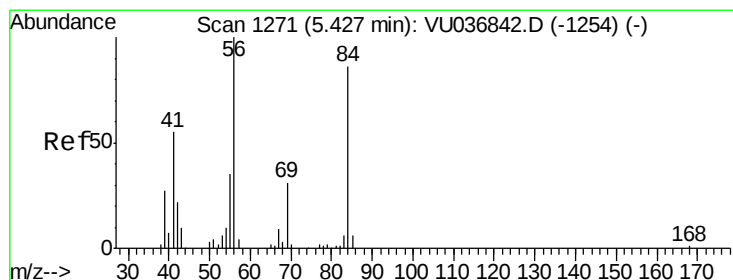
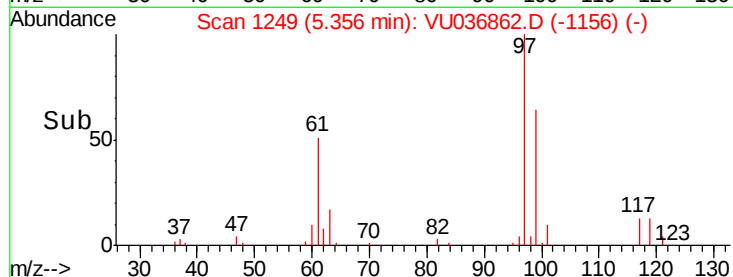
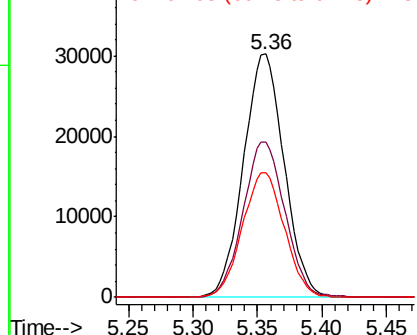
#29
 1,1,1-Trichloroethane
 Concen: 4.484 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU036862.D
 Acq: 20 Feb 2020 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tgt Ion: 97 Resp: 66566
 Ion Ratio Lower Upper
 97 100
 99 65.7 51.0 76.4
 61 52.9 41.6 62.4

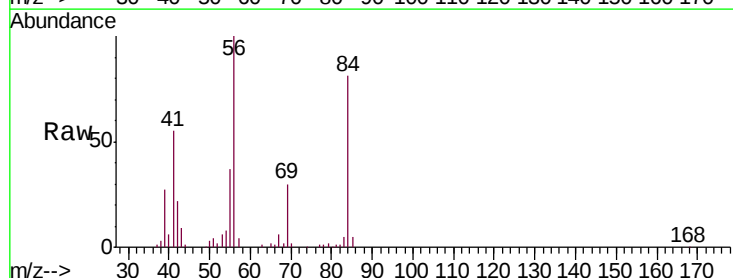


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

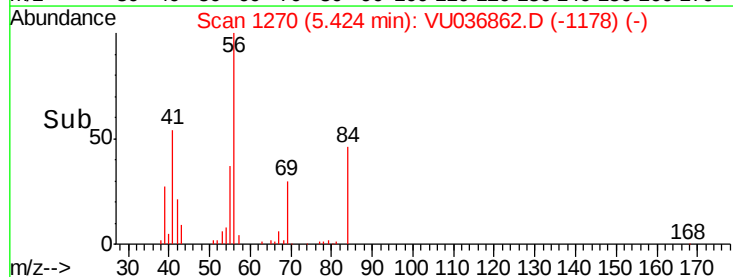
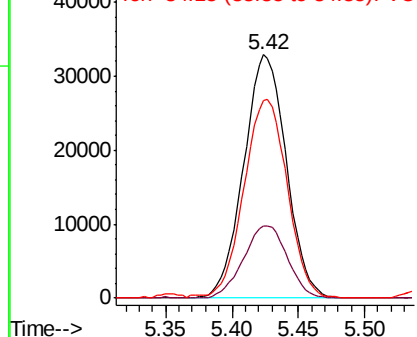


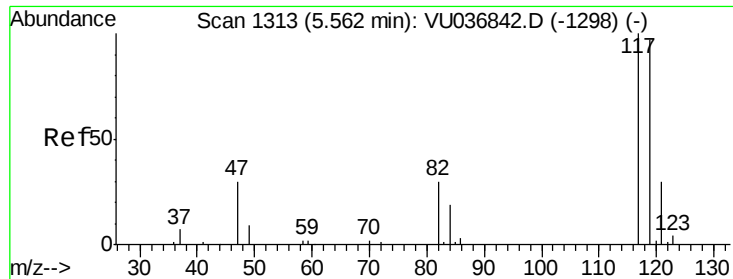
#30
 Cyclohexane
 Concen: 4.659 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU036862.D
 Acq: 20 Feb 2020 11:02

Tgt Ion: 56 Resp: 73469
 Ion Ratio Lower Upper
 56 100
 69 30.5 24.6 37.0
 84 82.9 70.0 105.0



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





#31

Carbon tetrachloride

Concen: 4.256 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU036862.D

Acq: 20 Feb 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

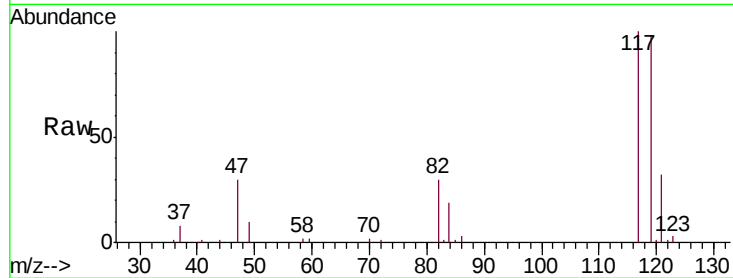
VSTD00526

Tgt Ion:117 Resp: 50976

Ion Ratio Lower Upper

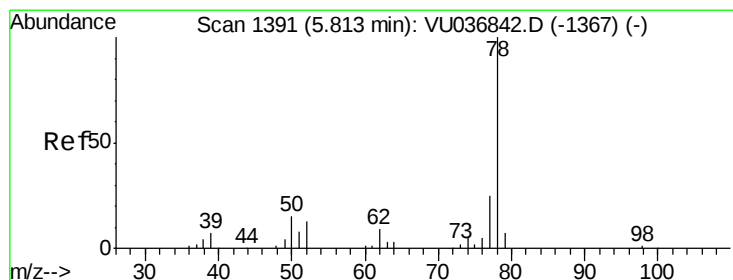
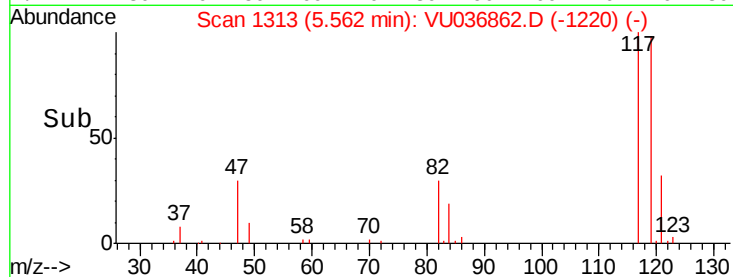
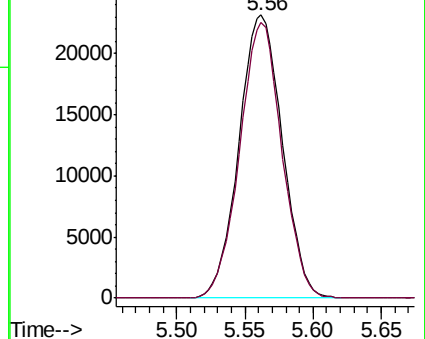
117 100

119 94.8 74.5 111.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.612 ug/L

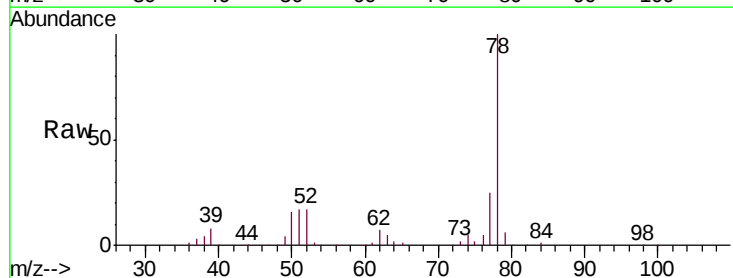
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

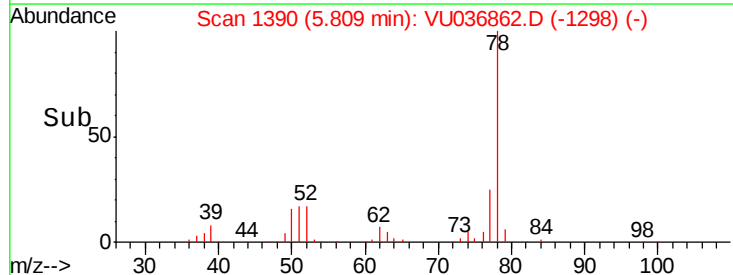
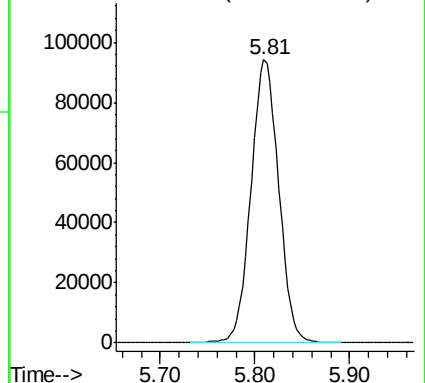
Lab File: VU036862.D

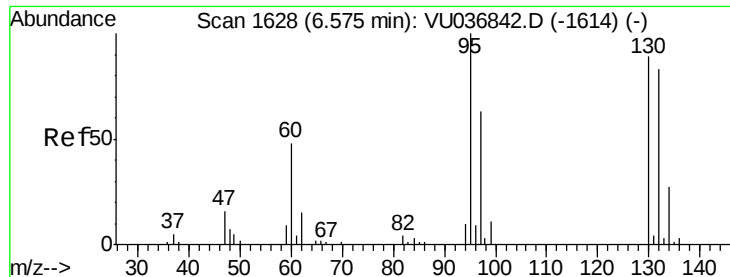
Acq: 20 Feb 2020 11:02

Tgt Ion: 78 Resp: 192284



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.548 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU036862.D

Acq: 20 Feb 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

Tgt Ion: 95 Resp: 48294

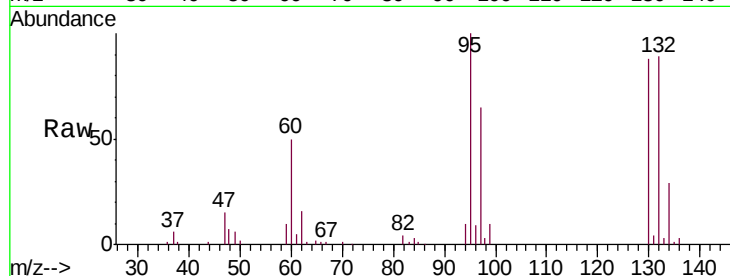
Ion Ratio Lower Upper

95 100

97 65.3 45.6 84.8

132 88.9 62.8 116.6

130 88.5 63.8 118.4

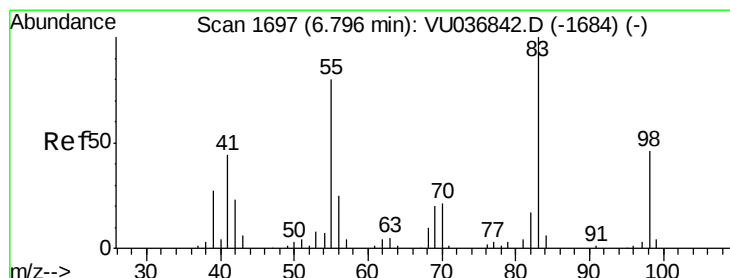
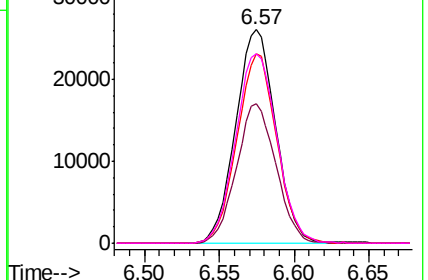
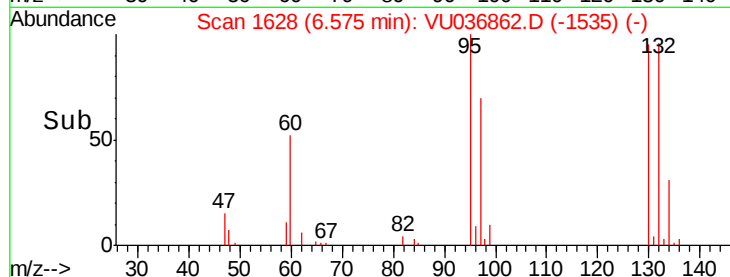


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.505 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU036862.D

Acq: 20 Feb 2020 11:02

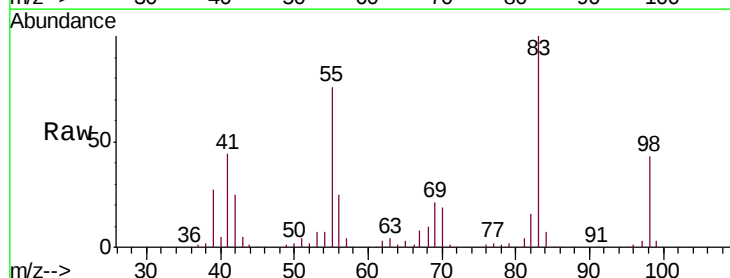
Tgt Ion: 83 Resp: 75917

Ion Ratio Lower Upper

83 100

55 77.3 61.0 91.4

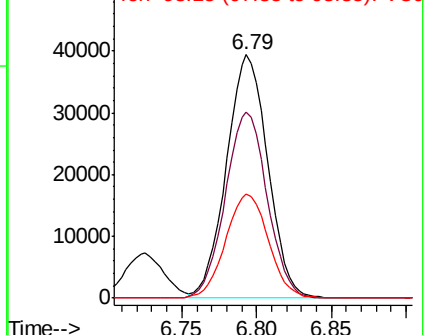
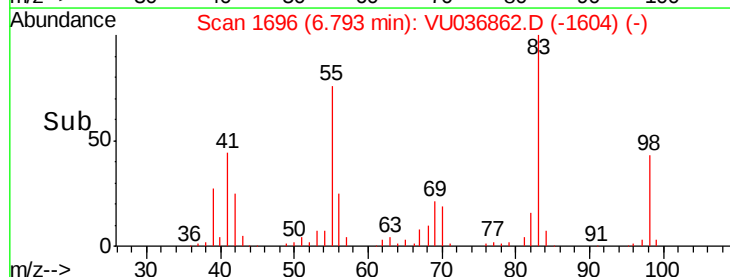
98 44.2 34.2 51.4

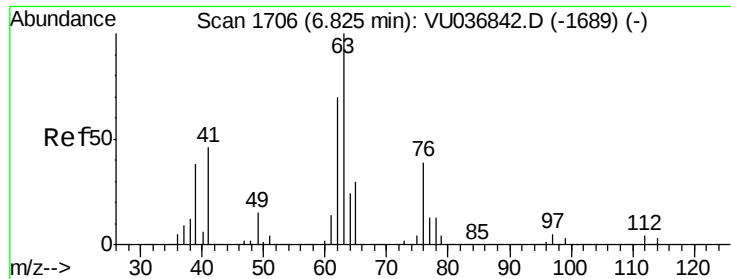


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

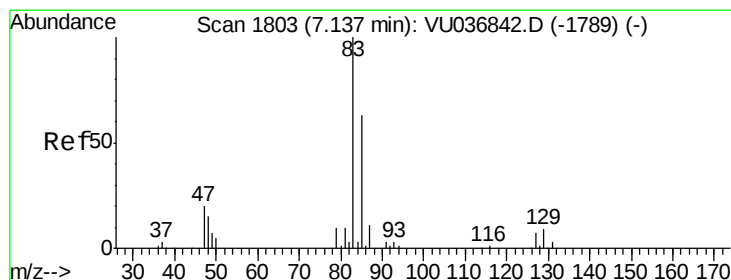
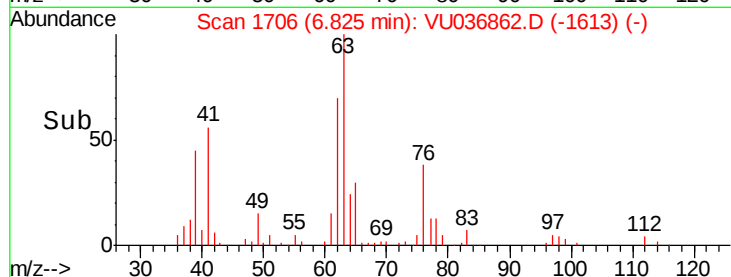
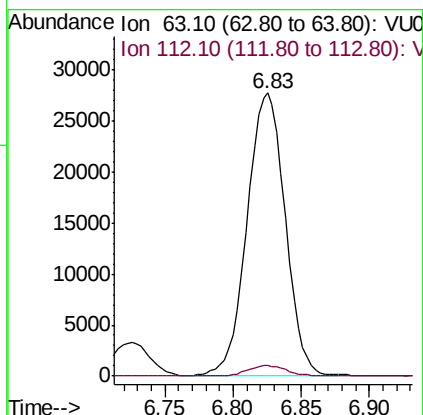
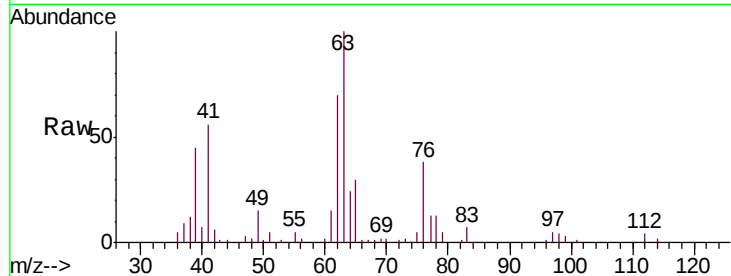




#37
 1,2-Dichloropropane
 Concen: 4.734 ug/L
 RT: 6.83 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VU036862.D
 Acq: 20 Feb 2020 11:02

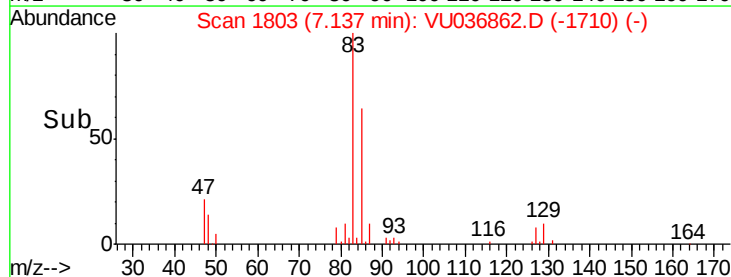
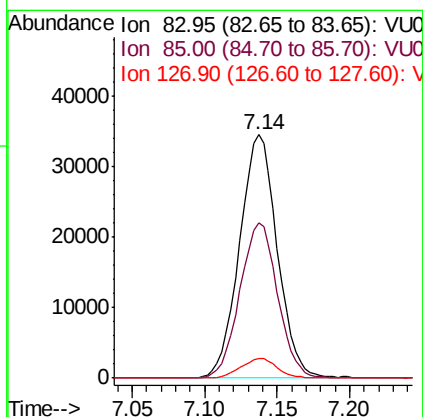
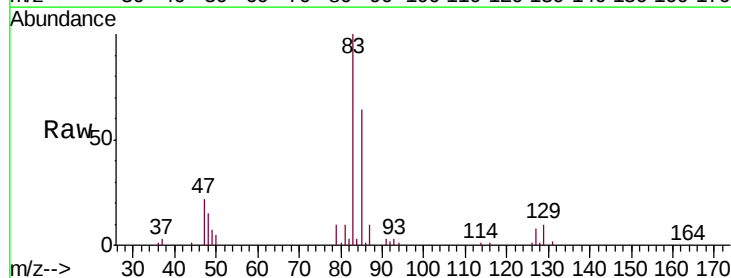
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

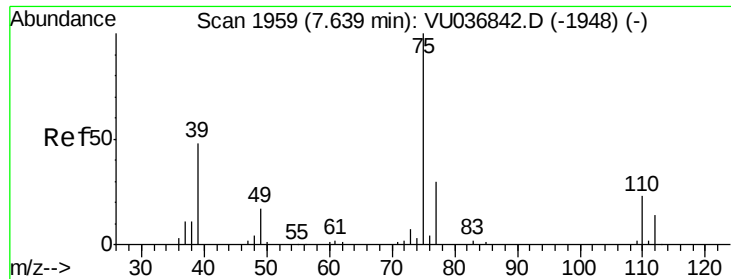
Tgt Ion: 63 Resp: 53894
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.0 4.4



#38
 Bromodichloromethane
 Concen: 4.599 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VU036862.D
 Acq: 20 Feb 2020 11:02

Tgt Ion: 83 Resp: 62480
 Ion Ratio Lower Upper
 83 100
 85 64.0 43.0 80.0
 127 8.0 6.3 9.5

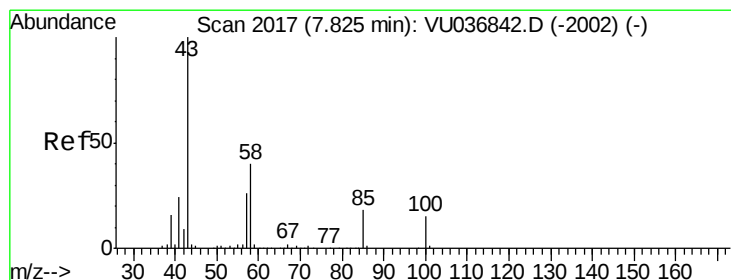
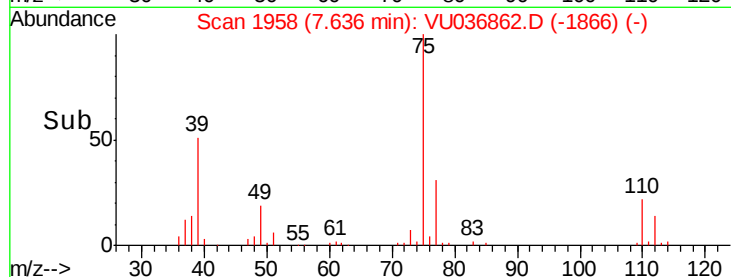
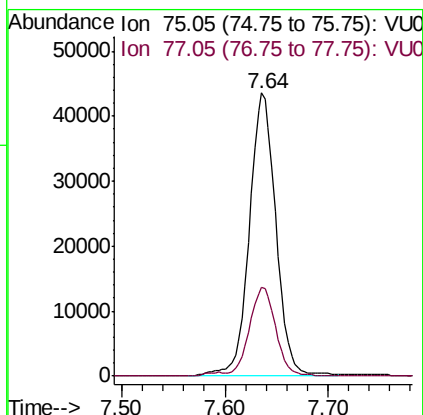
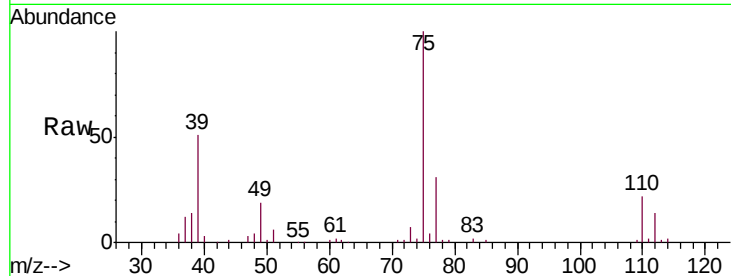




#39
 cis-1,3-Dichloropropene
 Concen: 4.722 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VU036862.D
 Acq: 20 Feb 2020 11:02

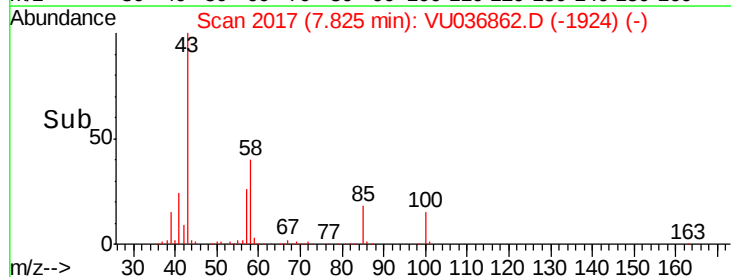
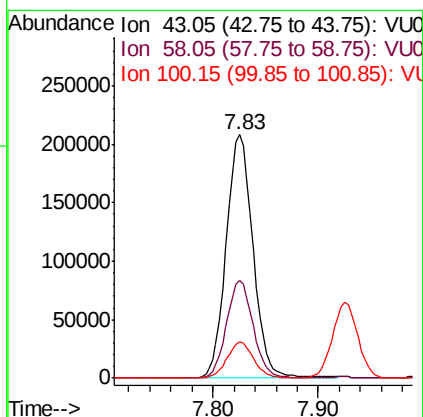
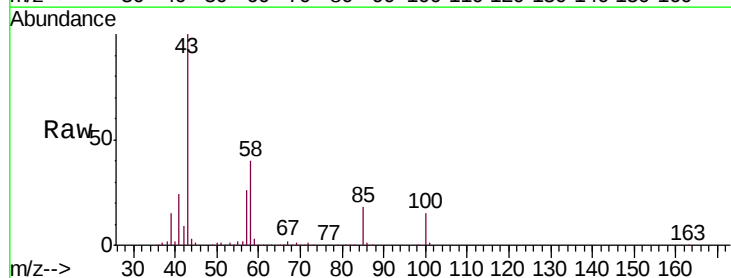
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

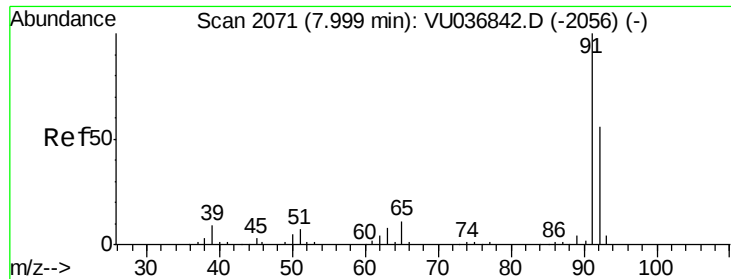
Tgt Ion: 75 Resp: 77792
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 49.893 ug/L
 RT: 7.83 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: VU036862.D
 Acq: 20 Feb 2020 11:02

Tgt Ion: 43 Resp: 366550
 Ion Ratio Lower Upper
 43 100
 58 39.7 32.0 48.0
 100 14.7 11.8 17.8





#42

Toluene

Concen: 4.636 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU036862.D

Acq: 20 Feb 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

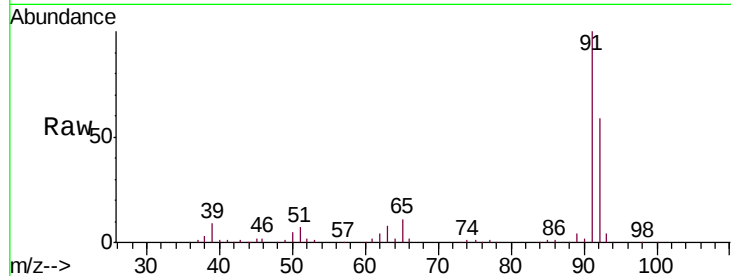
VSTD00526

Tgt Ion: 91 Resp: 207610

Ion Ratio Lower Upper

91 100

92 58.5 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VU036862.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU036862.D (-2056) (-)

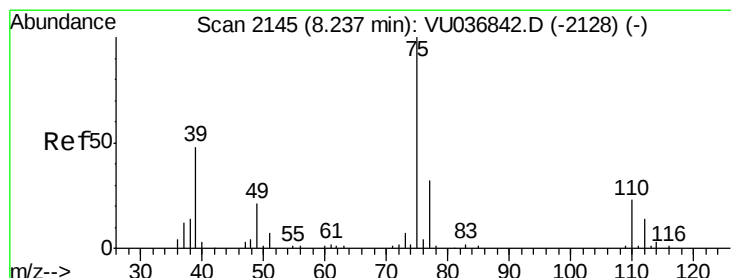
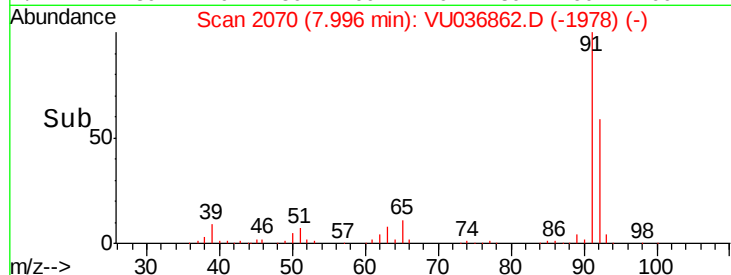
8.00

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.758 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU036862.D

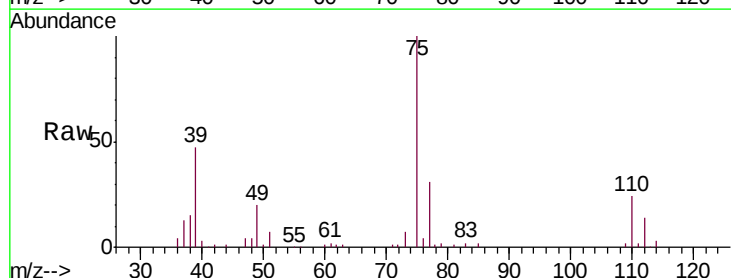
Acq: 20 Feb 2020 11:02

Tgt Ion: 75 Resp: 61256

Ion Ratio Lower Upper

75 100

77 30.7 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VU036842.D (-2128) (-)

Ion 77.05 (76.75 to 77.75): VU036842.D (-2128) (-)

8.24

40000

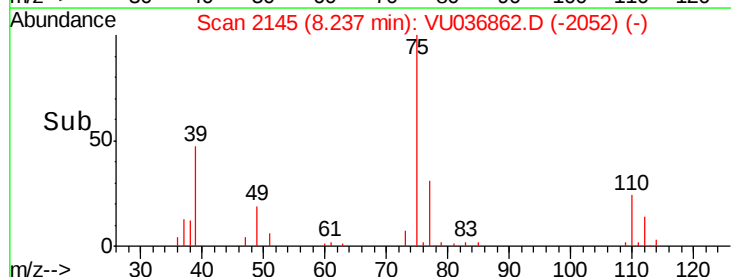
30000

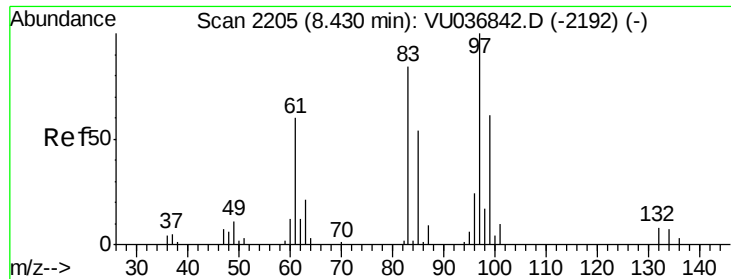
20000

10000

0

Time-->

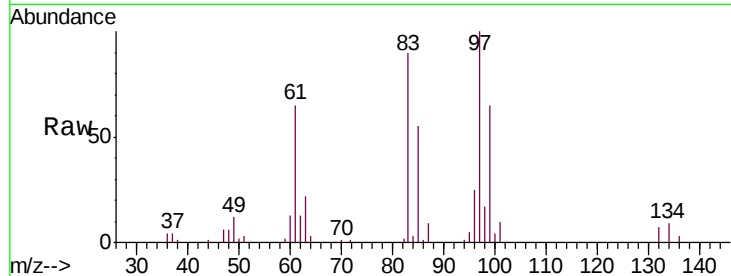




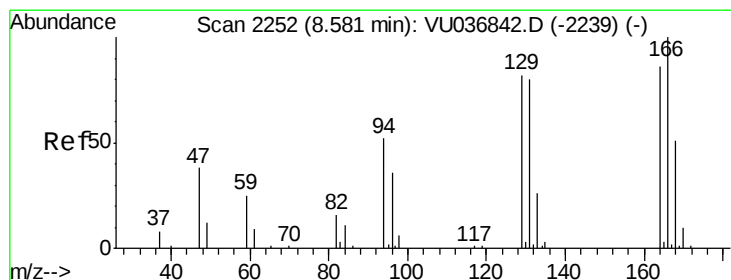
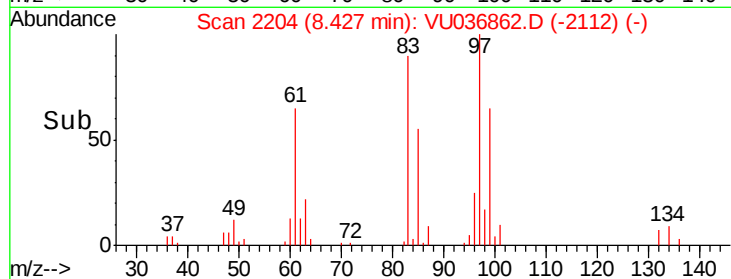
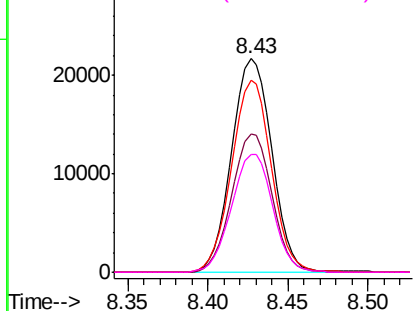
#45
 1,1,2-Trichloroethane
 Concen: 4.702 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VU036862.D
 Acq: 20 Feb 2020 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tgt Ion: 97 Resp: 37241
 Ion Ratio Lower Upper
 97 100
 99 65.0 44.1 81.9
 83 89.7 63.5 117.9
 85 55.2 41.2 76.4

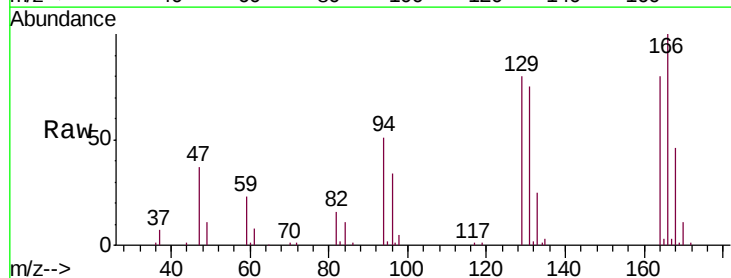


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

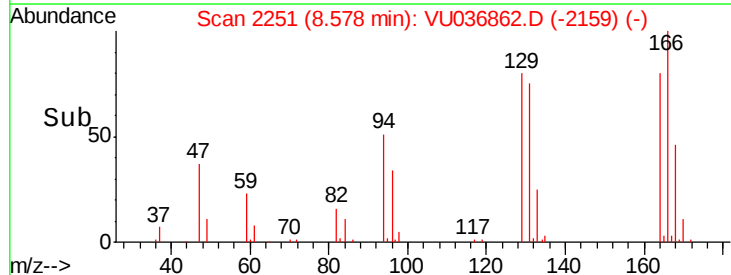
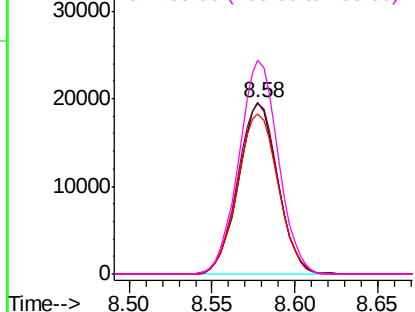


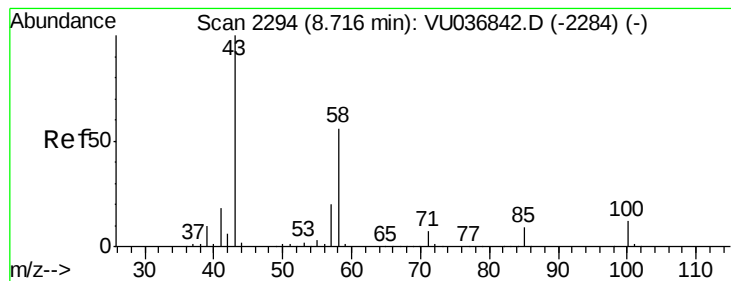
#47
 Tetrachloroethene
 Concen: 4.413 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VU036862.D
 Acq: 20 Feb 2020 11:02

Tgt Ion: 164 Resp: 31878
 Ion Ratio Lower Upper
 164 100
 129 99.3 68.0 126.4
 131 93.3 69.4 128.8
 166 124.7 86.6 160.8



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: 50.809 ug/L

RT: 8.72 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VU036862.D

Acq: 20 Feb 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

Tgt Ion: 43 Resp: 319442

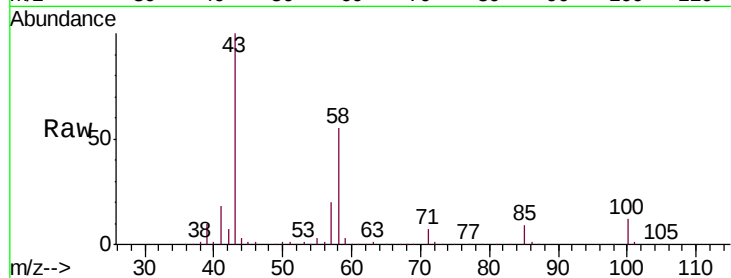
Ion Ratio Lower Upper

43 100

58 53.8 43.6 65.4

57 19.2 15.0 22.4

100 11.5 9.0 13.6

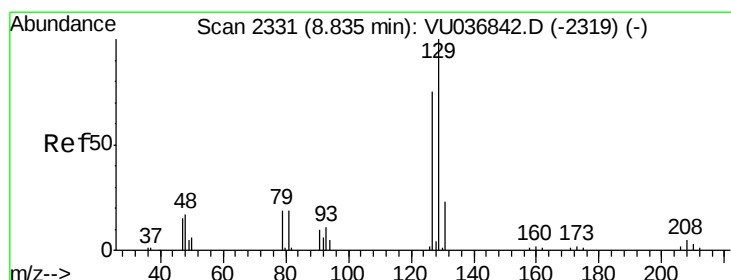
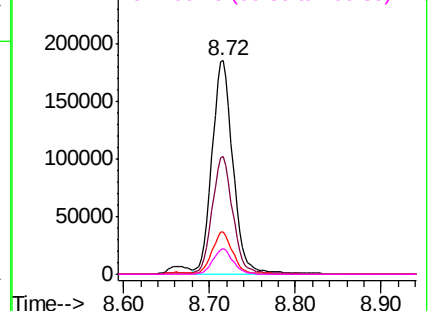
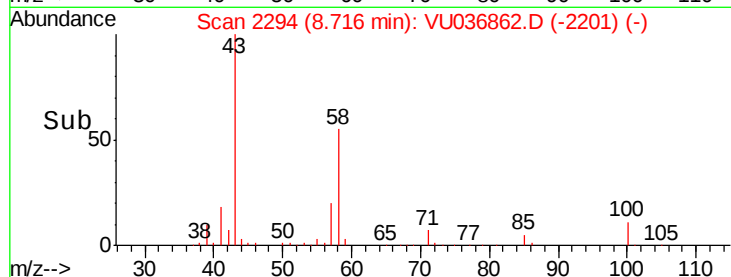


Abundance Ion 43.05 (42.75 to 43.75): VU036862.D (-2201) (-)

Ion 58.05 (57.75 to 58.75): VU036862.D (-2201) (-)

Ion 57.20 (56.90 to 57.90): VU036862.D (-2201) (-)

Ion 100.15 (99.85 to 100.85): VU036862.D (-2201) (-)



#49

Dibromochloromethane

Concen: 4.663 ug/L

RT: 8.83 min Scan# 2331

Delta R.T. -0.00 min

Lab File: VU036862.D

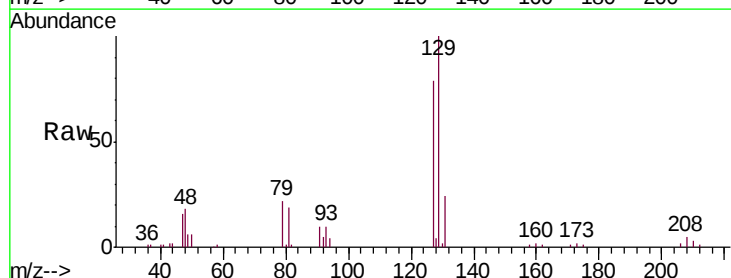
Acq: 20 Feb 2020 11:02

Tgt Ion: 129 Resp: 38194

Ion Ratio Lower Upper

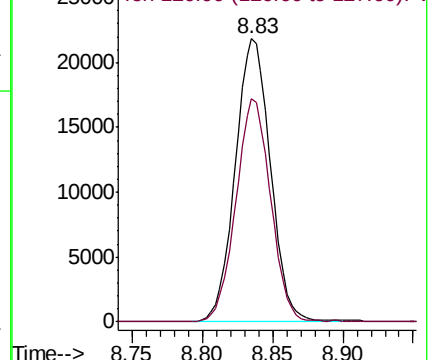
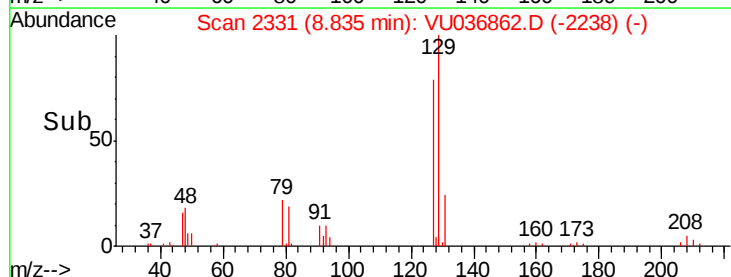
129 100

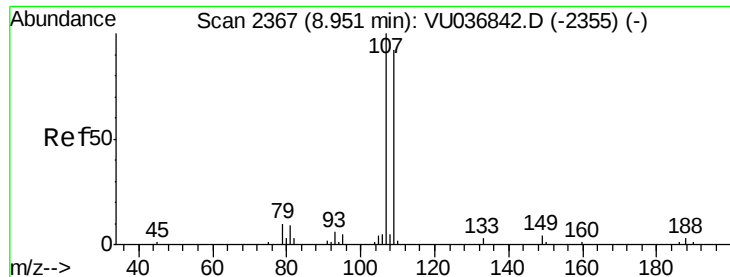
127 78.7 56.7 105.3



Abundance Ion 128.95 (128.65 to 129.65): VU036862.D (-2238) (-)

Ion 126.90 (126.60 to 127.60): VU036862.D (-2238) (-)





#50

1,2-Dibromoethane

Concen: 4.581 ug/L

RT: 8.95 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VU036862.D

Acq: 20 Feb 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

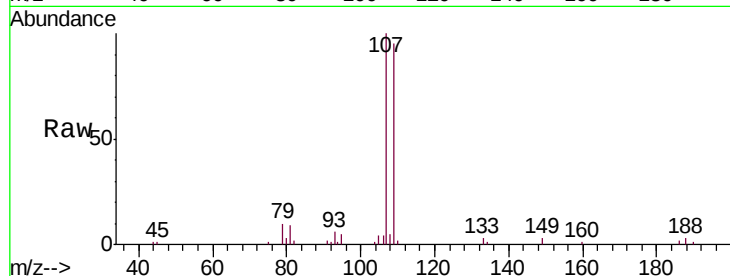
Tgt Ion:107 Resp: 32770

Ion Ratio Lower Upper

107 100

109 94.7 66.4 123.2

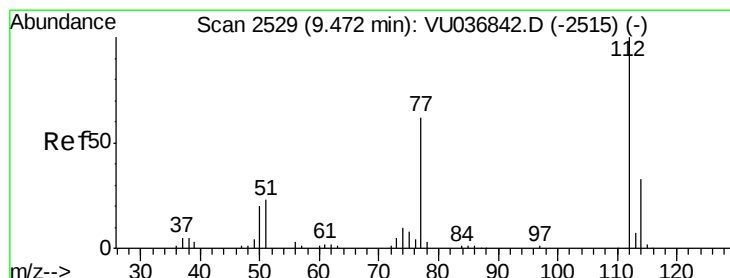
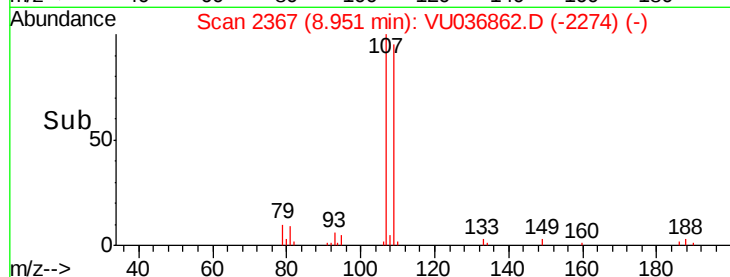
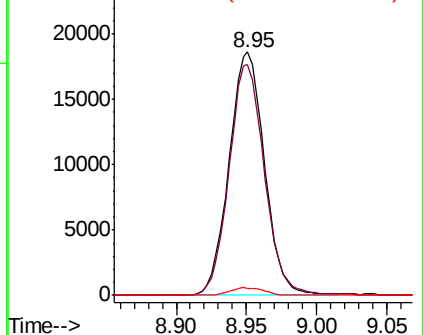
188 3.0 2.4 3.6



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: 4.600 ug/L

RT: 9.47 min Scan# 2529

Delta R.T. -0.00 min

Lab File: VU036862.D

Acq: 20 Feb 2020 11:02

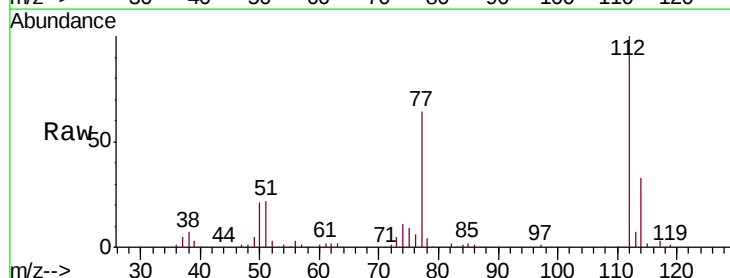
Tgt Ion:112 Resp: 127422

Ion Ratio Lower Upper

112 100

114 32.5 22.9 42.5

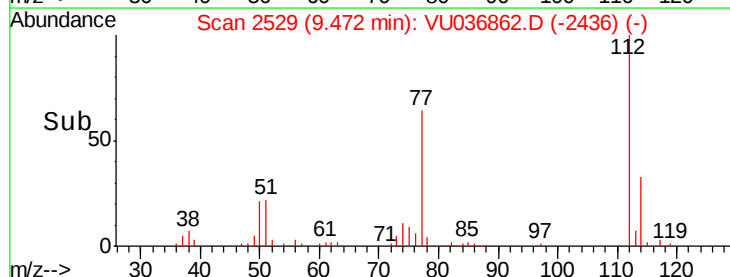
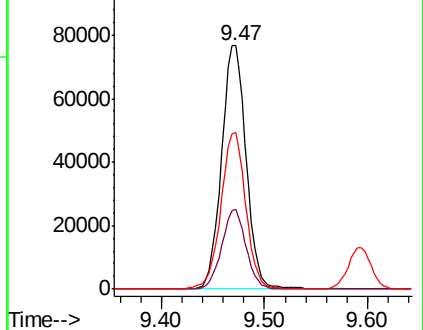
77 64.2 51.0 76.4

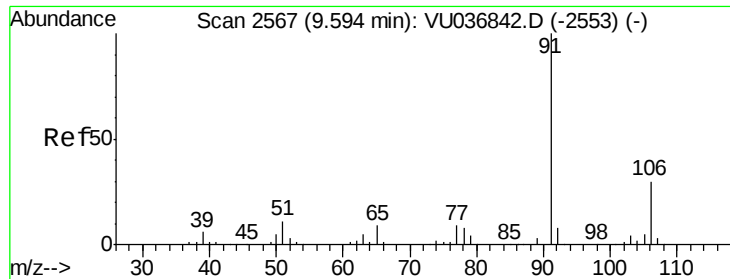


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 4.618 ug/L

RT: 9.59 min Scan# 2567

Delta R.T. -0.00 min

Lab File: VU036862.D

Acq: 20 Feb 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

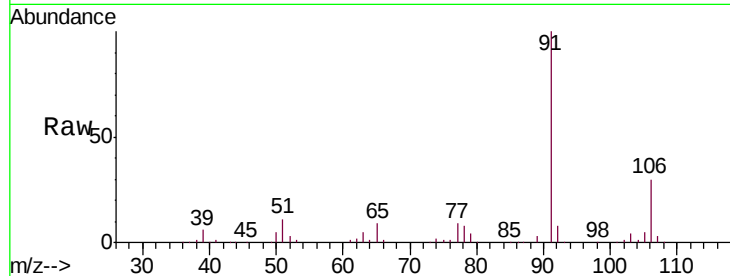
VSTD00526

Tgt Ion: 91 Resp: 230992

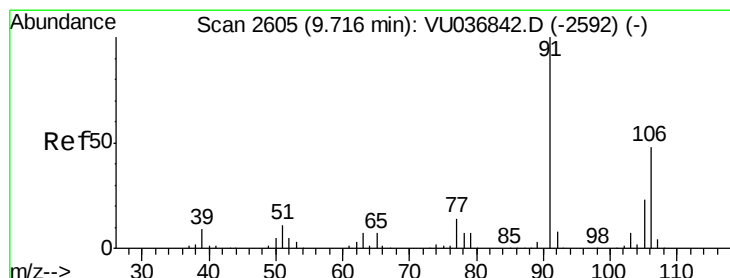
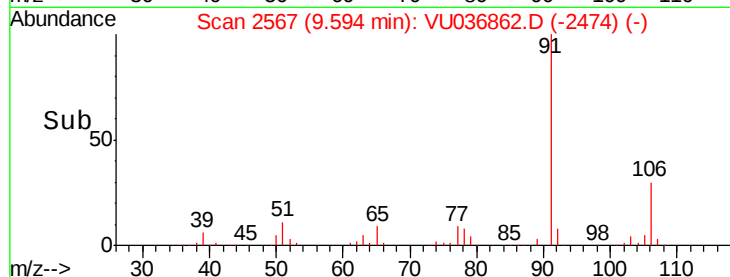
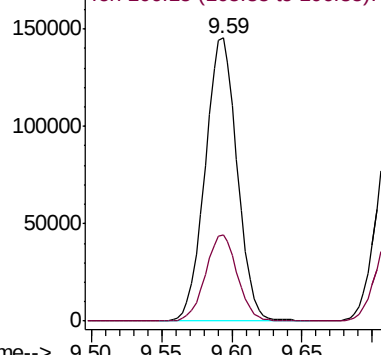
Ion Ratio Lower Upper

91 100

106 30.5 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU036862.D (-2553) (-)



#53

m,p-Xylene

Concen: 4.653 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VU036862.D

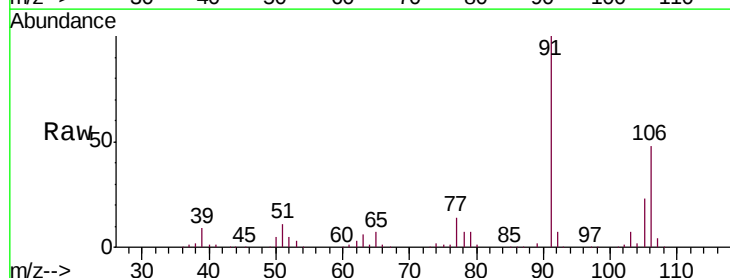
Acq: 20 Feb 2020 11:02

Tgt Ion: 106 Resp: 85646

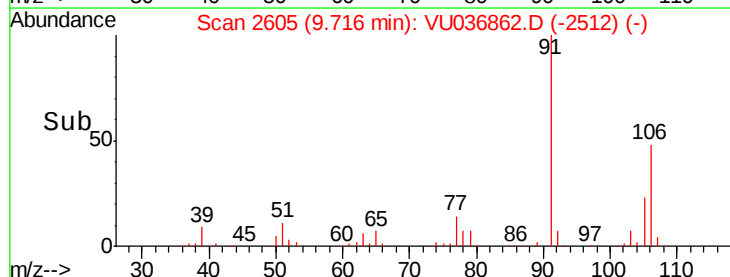
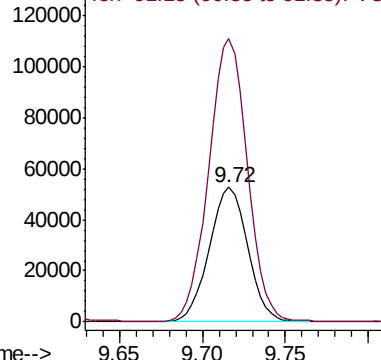
Ion Ratio Lower Upper

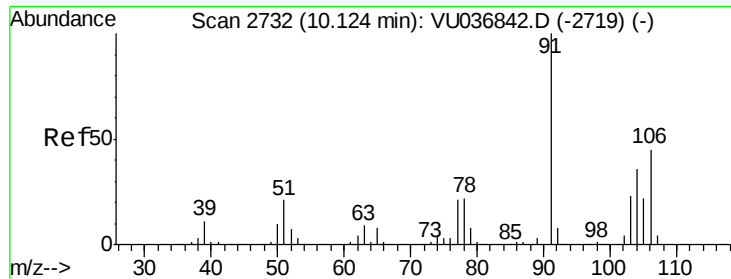
106 100

91 210.1 141.1 262.0



Abundance Ion 106.15 (105.85 to 106.85): VU036862.D (-2592) (-)

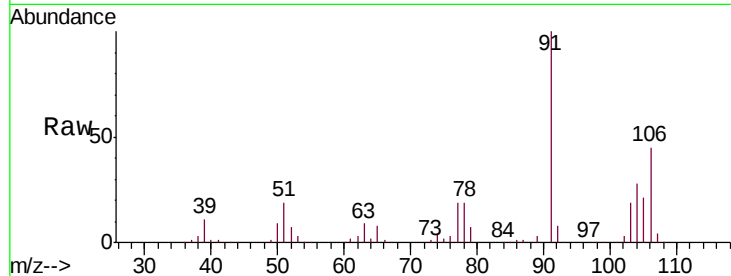




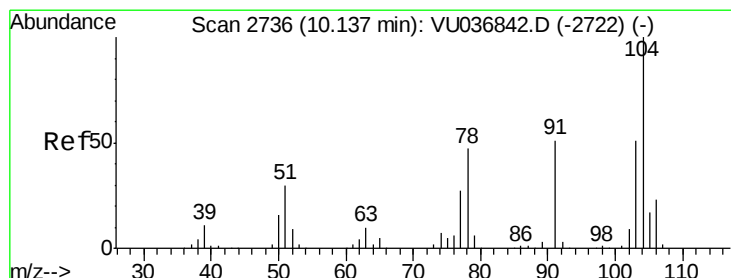
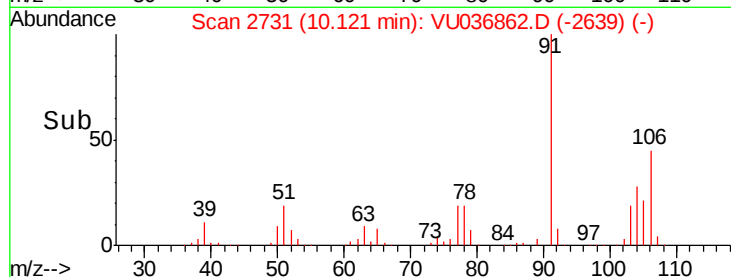
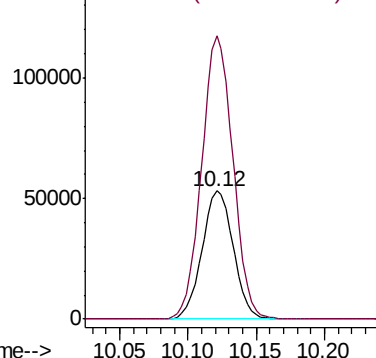
#54
o-Xylene
Concen: 4.693 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU036862.D
Acq: 20 Feb 2020 11:02

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tgt Ion:106 Resp: 84822
Ion Ratio Lower Upper
106 100
91 220.5 151.1 280.5

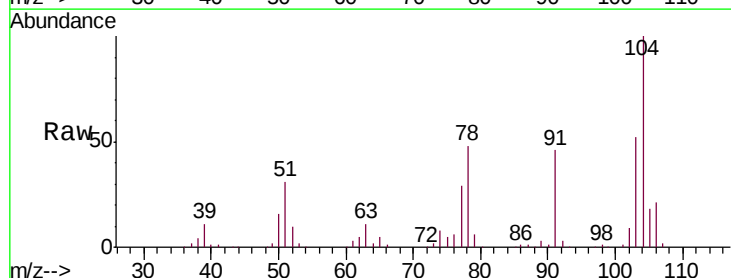


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

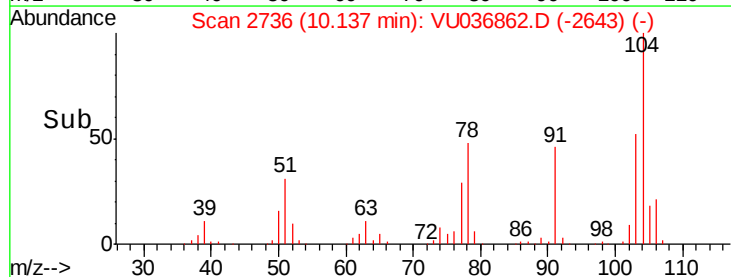
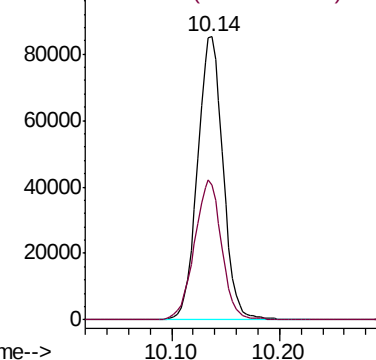


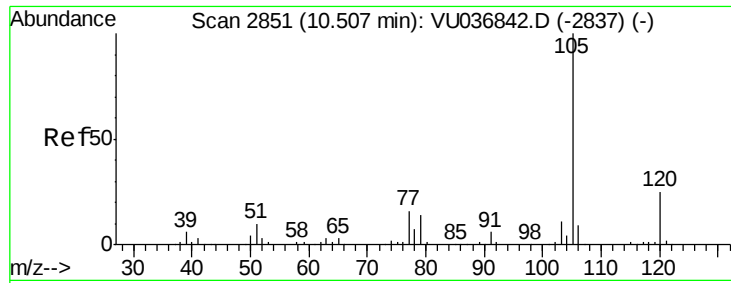
#55
Styrene
Concen: 4.610 ug/L
RT: 10.14 min Scan# 2736
Delta R.T. -0.00 min
Lab File: VU036862.D
Acq: 20 Feb 2020 11:02

Tgt Ion:104 Resp: 140461
Ion Ratio Lower Upper
104 100
78 47.9 33.5 62.3



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





#56

Isopropylbenzene

Concen: 4.742 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU036862.D

Acq: 20 Feb 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

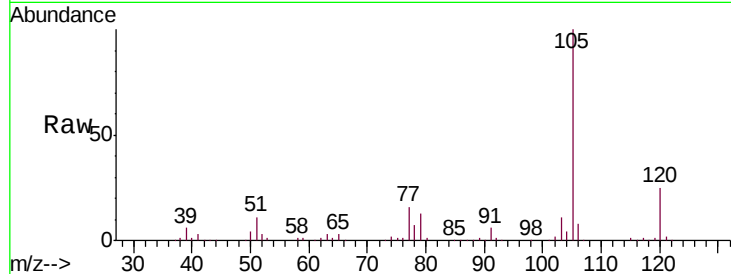
Tgt Ion: 105 Resp: 229380

Ion Ratio Lower Upper

105 100

120 25.3 20.5 30.7

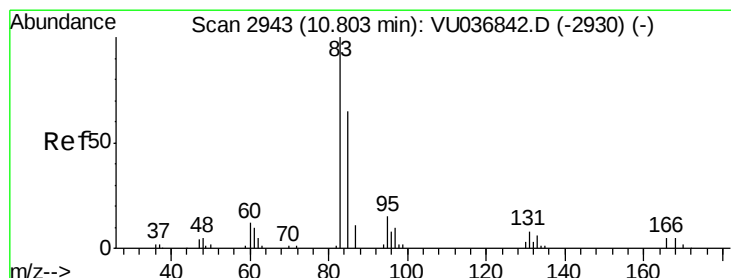
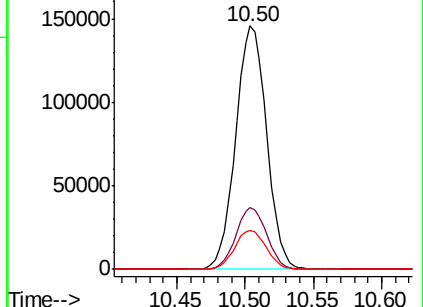
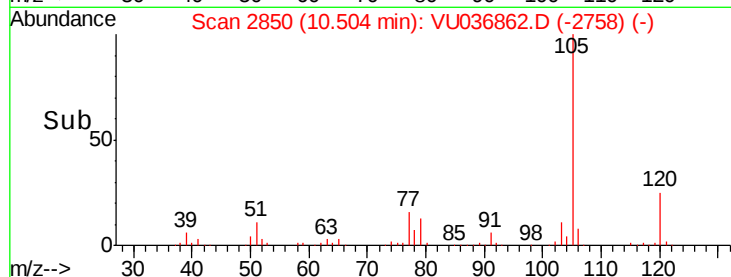
77 16.3 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.623 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU036862.D

Acq: 20 Feb 2020 11:02

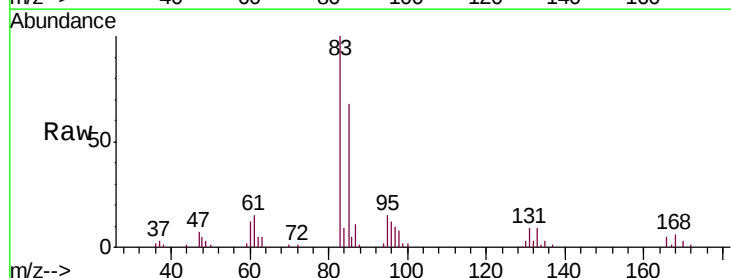
Tgt Ion: 83 Resp: 47929

Ion Ratio Lower Upper

83 100

85 68.3 45.6 84.6

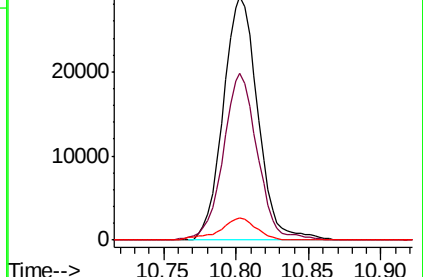
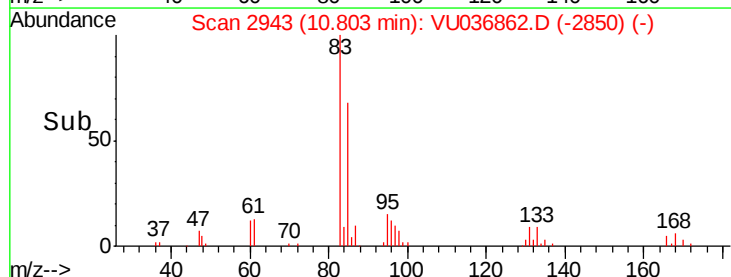
131 9.2 6.8 10.2

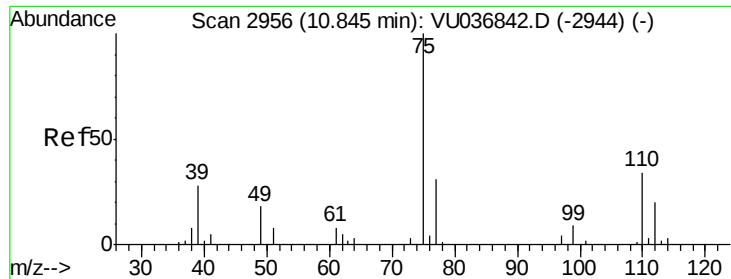


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.636 ug/L

RT: 10.84 min Scan# 2956

Delta R.T. -0.00 min

Lab File: VU036862.D

Acq: 20 Feb 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

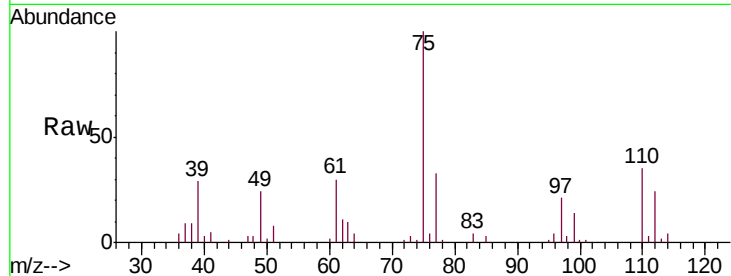
VSTD00526

Tgt Ion: 75 Resp: 34850

Ion Ratio Lower Upper

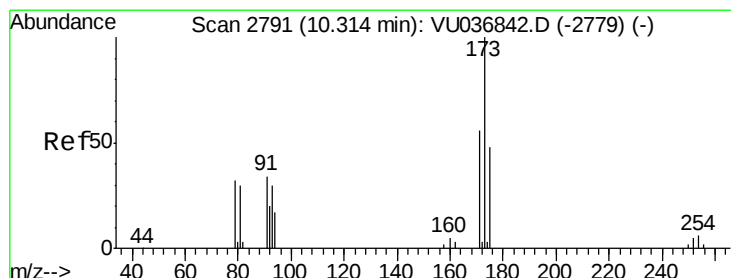
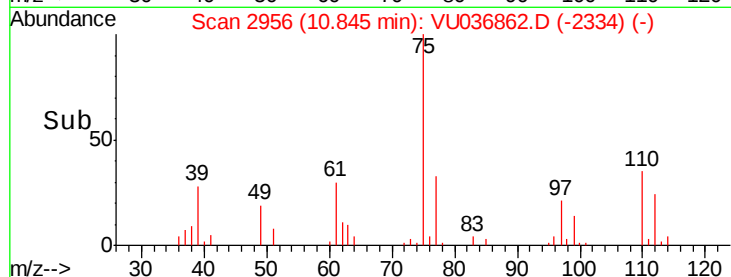
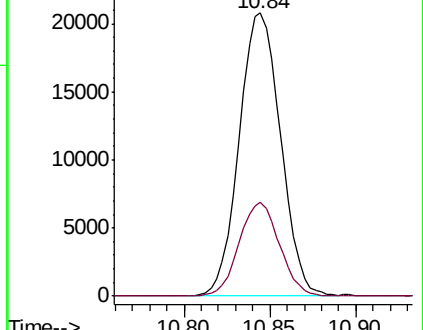
75 100

77 32.3 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU036842.D (-2944) (-)

Ion 77.00 (76.70 to 77.70): VU036842.D (-2944) (-)



#61

Bromoform

Concen: 4.587 ug/L

RT: 10.31 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VU036862.D

Acq: 20 Feb 2020 11:02

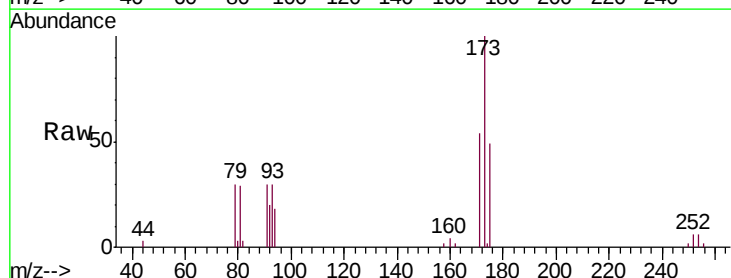
Tgt Ion: 173 Resp: 19405

Ion Ratio Lower Upper

173 100

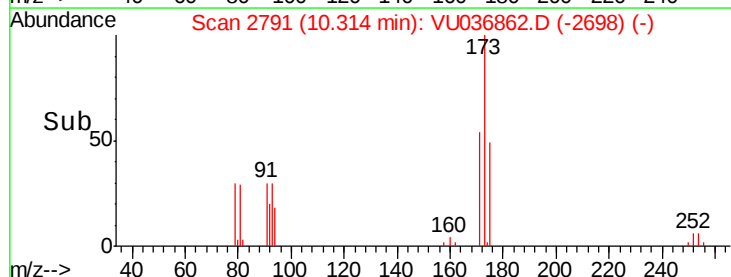
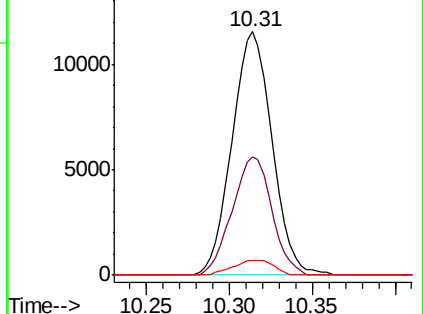
175 47.8 39.9 59.9

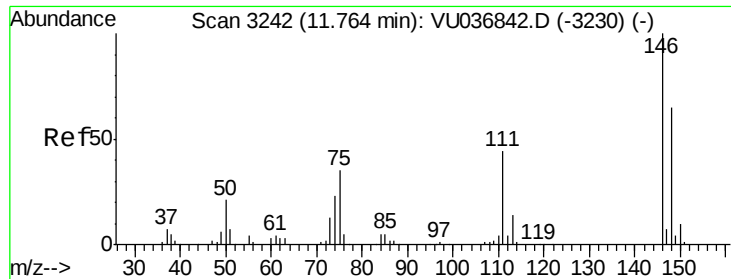
254 6.1 4.6 6.8



Abundance Ion 172.90 (172.60 to 173.60): VU036842.D (-2779) (-)

Ion 174.90 (174.60 to 175.60): VU036842.D (-2779) (-)





#62

1,3-Dichlorobenzene

Concen: 4.608 ug/L

RT: 11.76 min Scan# 3242

Delta R.T. -0.00 min

Lab File: VU036862.D

Acq: 20 Feb 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

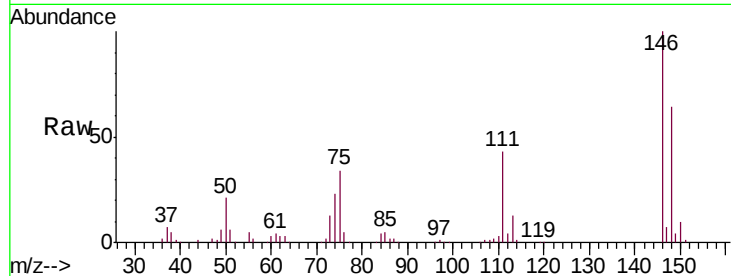
Tgt Ion:146 Resp: 97465

Ion Ratio Lower Upper

146 100

111 42.8 30.0 55.8

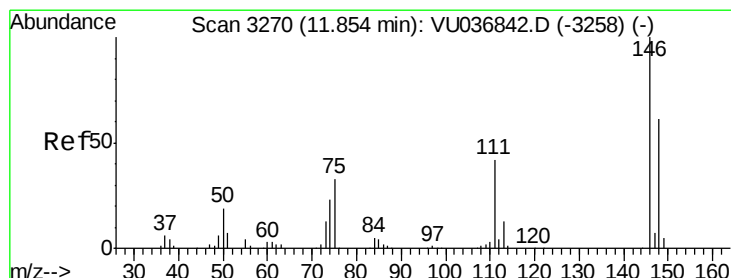
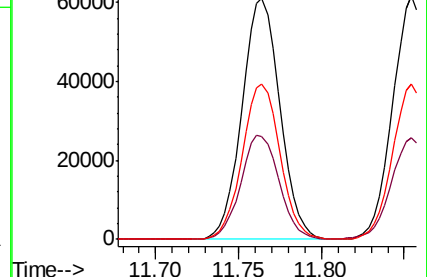
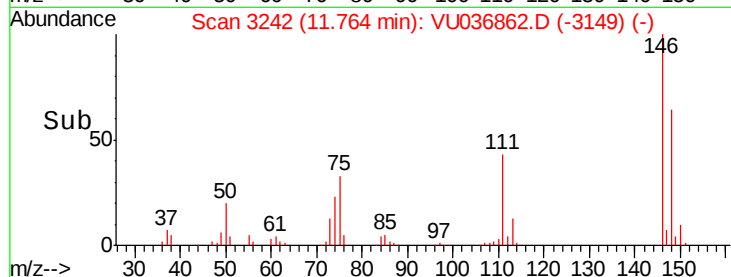
148 64.5 44.5 82.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.578 ug/L

RT: 11.85 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU036862.D

Acq: 20 Feb 2020 11:02

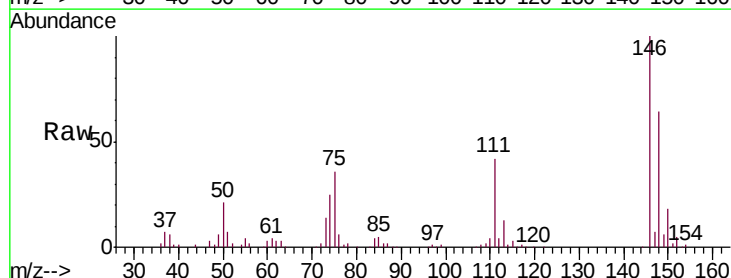
Tgt Ion:146 Resp: 96009

Ion Ratio Lower Upper

146 100

111 41.7 29.2 54.2

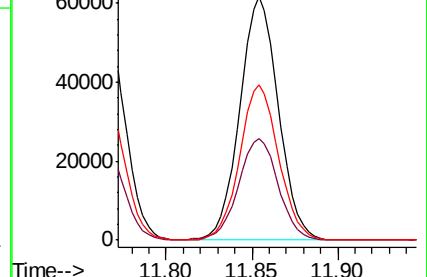
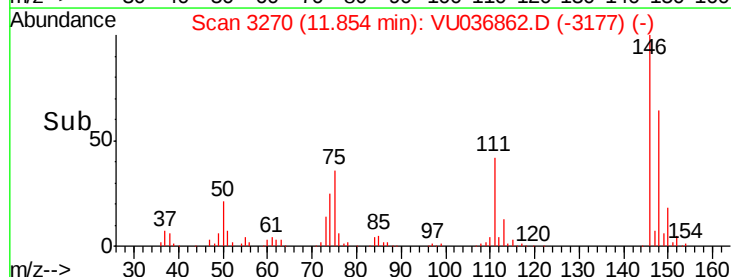
148 63.9 44.3 82.3

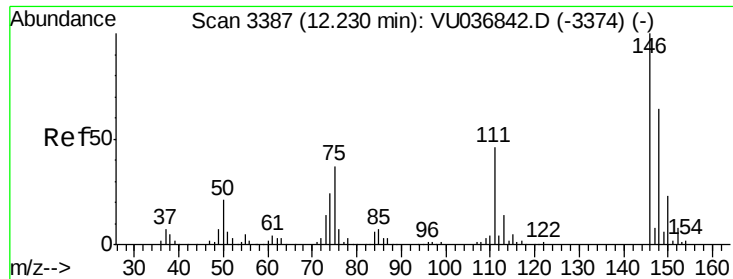


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

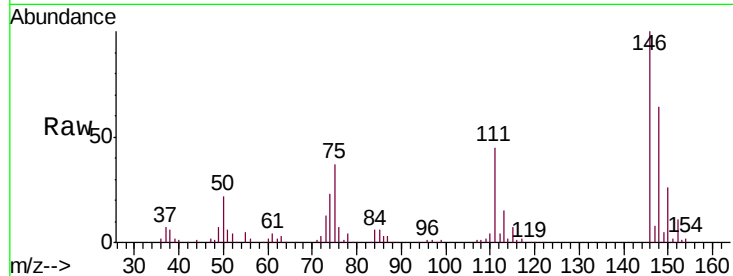




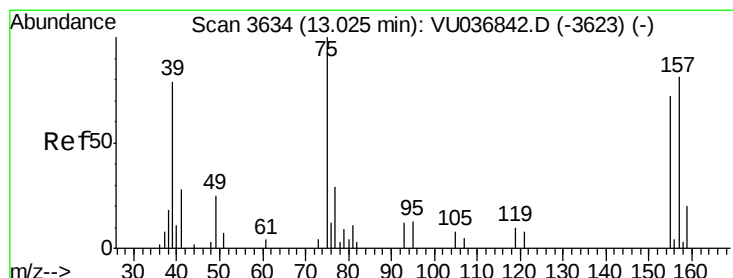
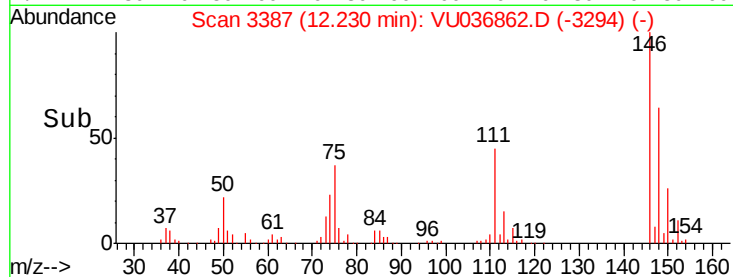
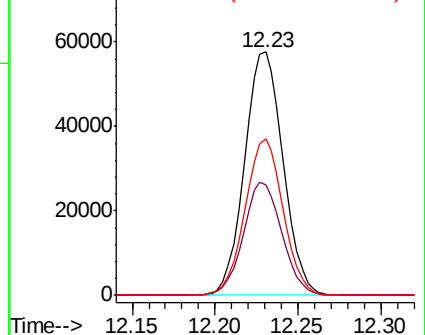
#65
 1,2-Dichlorobenzene
 Concen: 4.566 ug/L
 RT: 12.23 min Scan# 3387
 Delta R.T. -0.00 min
 Lab File: VU036862.D
 Acq: 20 Feb 2020 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tgt Ion:146 Resp: 93108
 Ion Ratio Lower Upper
 146 100
 111 45.4 35.9 53.9
 148 64.1 50.4 75.6

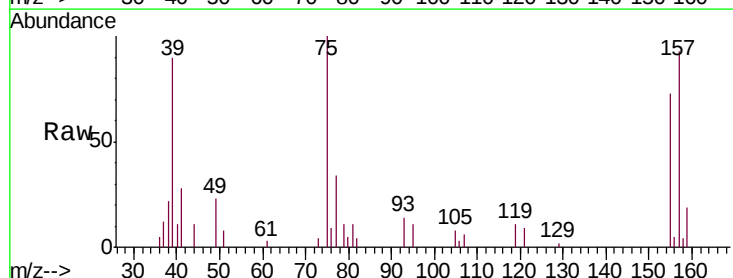


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

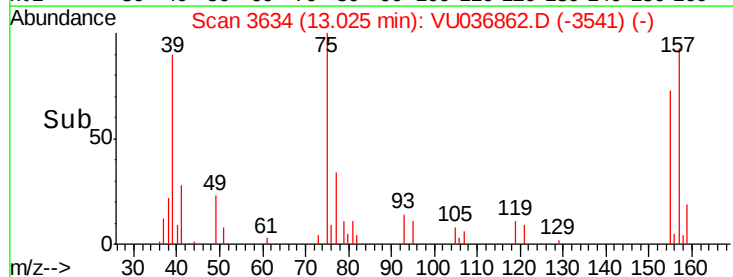
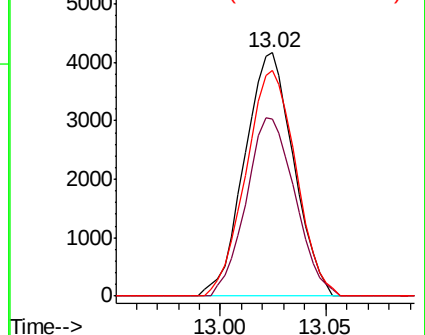


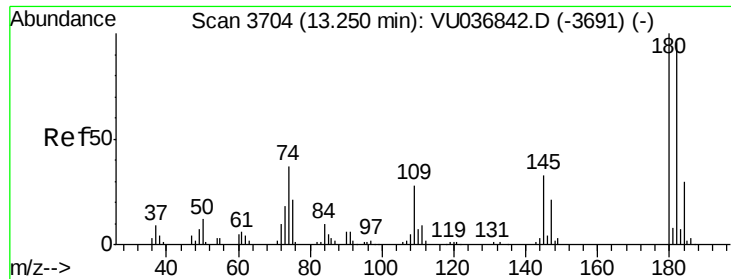
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.430 ug/L
 RT: 13.02 min Scan# 3634
 Delta R.T. -0.00 min
 Lab File: VU036862.D
 Acq: 20 Feb 2020 11:02

Tgt Ion: 75 Resp: 6742
 Ion Ratio Lower Upper
 75 100
 155 72.7 52.9 79.3
 157 92.8 69.2 103.8



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

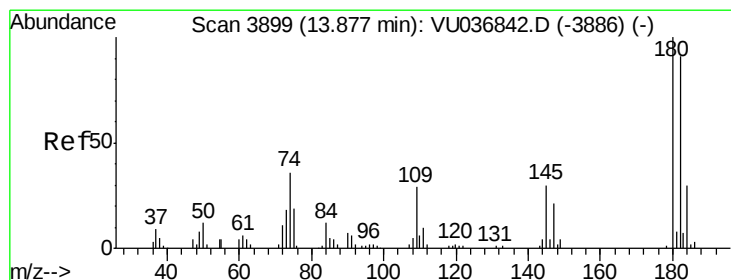
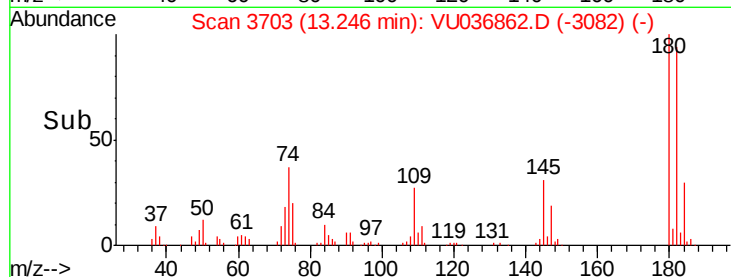
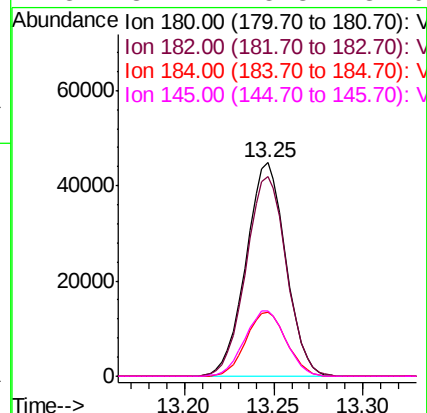
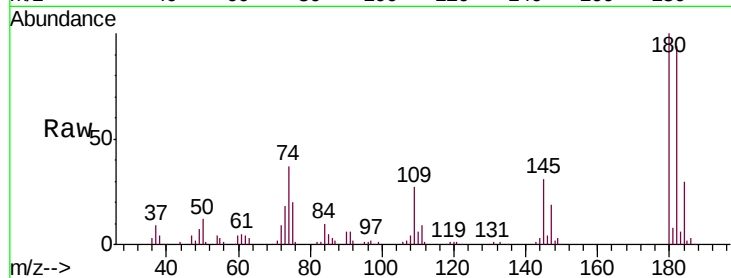




#67
 1,3,5-Trichlorobenzene
 Concen: 4.687 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. -0.00 min
 Lab File: VU036862.D
 Acq: 20 Feb 2020 11:02

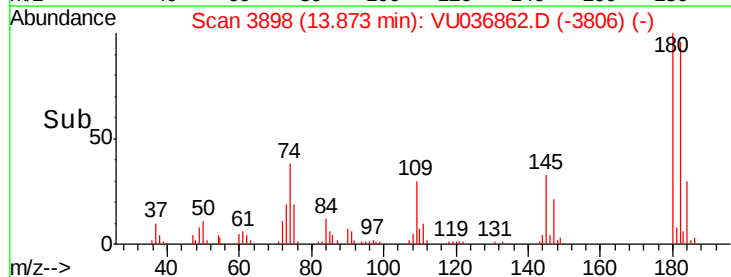
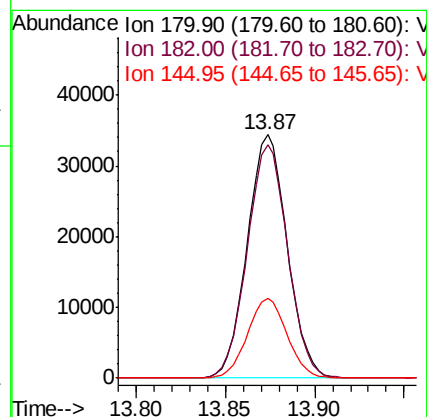
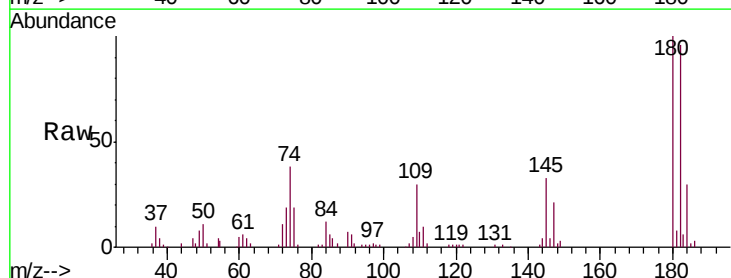
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

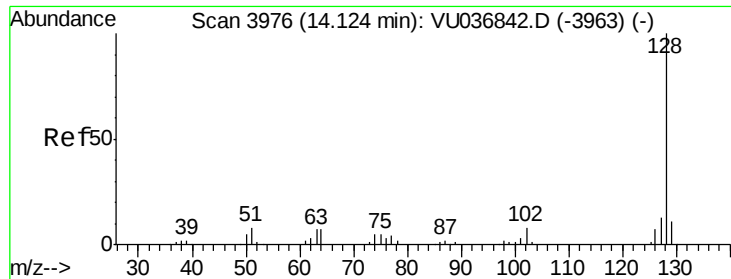
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.4	114.6
184	30.3	24.6	37.0
145	31.7	25.3	37.9



#68
 1,2,4-trichlorobenzene
 Concen: 4.799 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. -0.00 min
 Lab File: VU036862.D
 Acq: 20 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.0	115.6
145	32.5	26.5	39.7





#69

Naphthalene

Concen: 5.932 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VU036862.D

Acq: 20 Feb 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

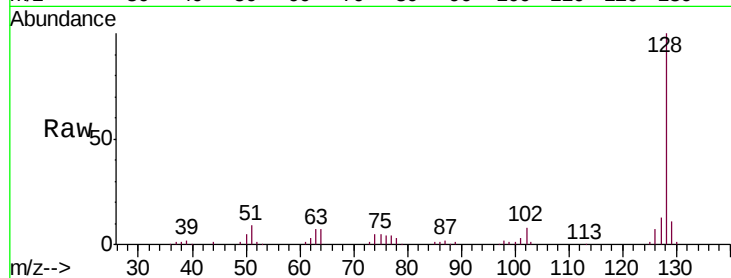
Tgt Ion:128 Resp: 120691

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.4

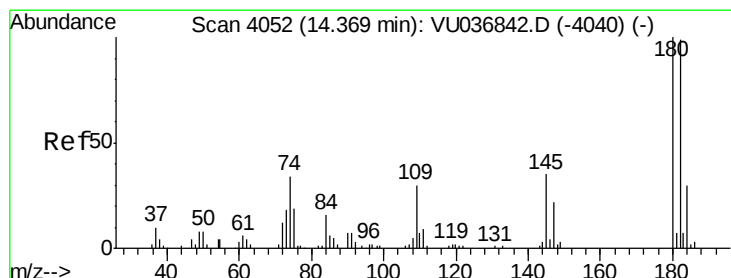
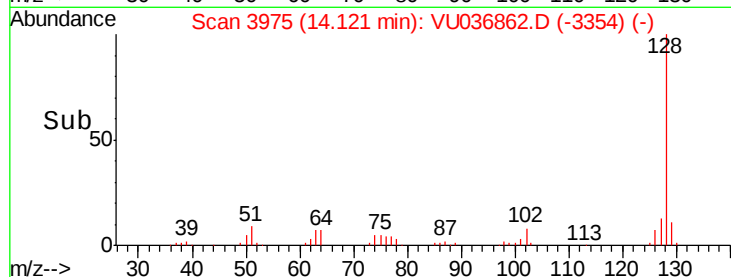
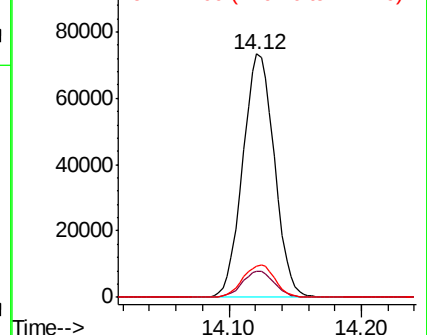
127 13.6 10.8 16.2



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: 4.969 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. 0.00 min

Lab File: VU036862.D

Acq: 20 Feb 2020 11:02

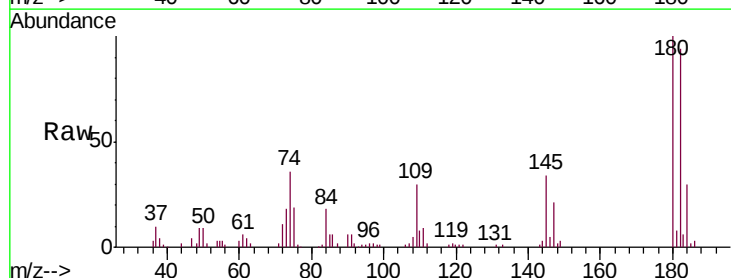
Tgt Ion:180 Resp: 50075

Ion Ratio Lower Upper

180 100

182 94.0 78.2 117.4

145 33.6 27.0 40.6



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

