

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040120\
 Data File : VU037524.D
 Acq On : 01 Apr 2020 14:38
 Operator : JC/MD
 Sample : VSTD00506
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

Quant Time: Apr 01 15:07:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR040120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 01 15:03:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	86346	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	81166	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	41200	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	33557	5.25	ug/L	0.00
7) Chloroethane-d5	1.93	69	26082	4.74	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	61064	4.93	ug/L	0.00
20) 2-Butanone-d5	4.68	46	94830	48.82	ug/L	0.00
24) Chloroform-d	5.10	84	60210	4.99	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	32385	4.80	ug/L	0.00
32) Benzene-d6	5.76	84	118840	5.02	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	39286	5.04	ug/L	0.00
41) Toluene-d8	7.92	98	108762	4.98	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	18247	5.20	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	85472	52.52	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	32159	4.99	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	38588	4.86	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	32079	4.86	ug/L 100
3) Chloromethane	1.53	50	33158	4.99	ug/L 100
5) Vinyl chloride	1.62	62	34421	4.84	ug/L 100
6) Bromomethane	1.87	94	17030	4.74	ug/L 100
8) Chloroethane	1.95	64	18792	4.66	ug/L 100
9) Trichlorofluoromethane	2.16	101	48396	4.88	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	29278	5.05	ug/L 100
12) 1,1-Dichloroethene	2.60	96	27804	4.80	ug/L 100
13) Acetone	2.67	43	51011	46.61	ug/L 100
14) Carbon disulfide	2.82	76	90423	4.70	ug/L 100
15) Methyl Acetate	2.99	43	14253	4.71	ug/L 100
16) Methylene chloride	3.08	84	31632	4.85	ug/L 100
17) Methyl tert-butyl Ether	3.40	73	76515	4.78	ug/L 100
18) trans-1,2-Dichloroethene	3.39	96	30116	4.95	ug/L 100
19) 1,1-Dichloroethane	3.91	63	55503	4.84	ug/L 100
21) 2-Butanone	4.76	43	92137	47.59	ug/L 100
22) cis-1,2-Dichloroethene	4.71	96	32682	4.84	ug/L 100
23) Bromochloromethane	5.02	128	13939	4.99	ug/L 100
25) Chloroform	5.13	83	57239	4.91	ug/L 100
27) 1,2-Dichloroethane	5.83	62	36854	4.70	ug/L 100
29) 1,1,1-Trichloroethane	5.36	97	50193	4.87	ug/L 100
30) Cyclohexane	5.42	56	53745	4.83	ug/L 100
31) Carbon tetrachloride	5.56	117	41887	4.91	ug/L 100
33) Benzene	5.81	78	124657	4.92	ug/L 100
34) Trichloroethene	6.57	95	32093	4.79	ug/L 100
35) Methylcyclohexane	6.79	83	54869	4.95	ug/L 100
37) 1,2-Dichloropropane	6.82	63	34048	5.04	ug/L 100
38) Bromodichloromethane	7.13	83	42017	4.78	ug/L 100
39) cis-1,3-Dichloropropene	7.64	75	49783	4.80	ug/L 100
40) 4-Methyl-2-pentanone	7.82	43	229210	46.34	ug/L 100

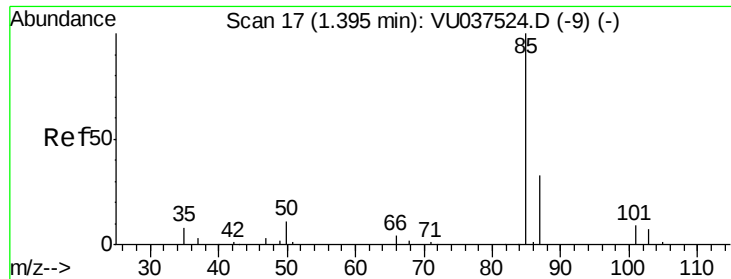
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040120\
 Data File : VU037524.D
 Acq On : 01 Apr 2020 14:38
 Operator : JC/MD
 Sample : VSTD00506
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

Quant Time: Apr 01 15:07:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR040120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 01 15:03:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	133543	4.99	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	45892	4.96	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	23324	4.88	ug/L	100
47) Tetrachloroethene	8.57	164	22178	4.98	ug/L	100
48) 2-Hexanone	8.71	43	166312	46.58	ug/L	100
49) Dibromochloromethane	8.83	129	27828	4.79	ug/L	100
50) 1,2-Dibromoethane	8.95	107	22494	4.76	ug/L	100
51) Chlorobenzene	9.47	112	81269	4.90	ug/L	100
52) Ethylbenzene	9.59	91	150847	4.87	ug/L	100
53) m,p-Xylene	9.71	106	56077	4.87	ug/L	100
54) o-Xylene	10.12	106	55181	5.04	ug/L	100
55) Styrene	10.13	104	95165	5.00	ug/L	100
56) Isopropylbenzene	10.50	105	146862	4.97	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	31061	4.81	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	22288	4.85	ug/L	100
61) Bromoform	10.31	173	16302	4.70	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	66225	4.81	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	65379	4.72	ug/L	100
65) 1,2-Dichlorobenzene	12.22	146	60604	4.73	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	5841	4.42	ug/L	100
67) 1,3,5-Trichlorobenzene	13.24	180	46238	4.83	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	43452	4.69	ug/L	100
69) Naphthalene	14.11	128	94670	4.52	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	38051	4.69	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.86 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037524.D

Acq: 01 Apr 2020 14:38

Instrument :

MSVOA_U

ClientSampleId :

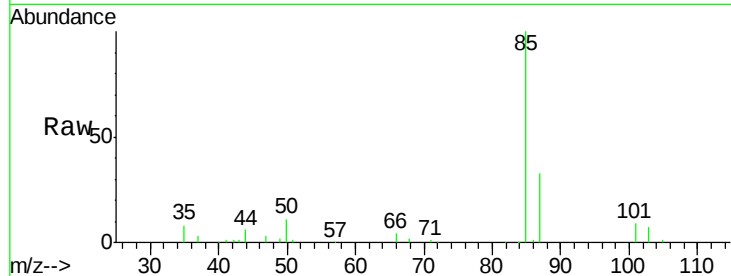
VSTD00506

Tgt Ion: 85 Resp: 32079

Ion Ratio Lower Upper

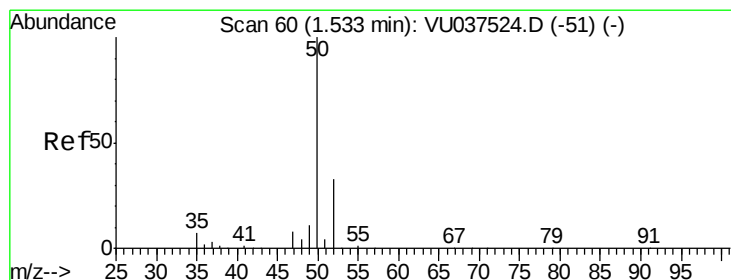
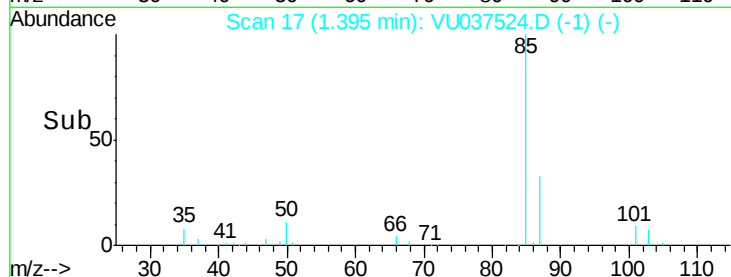
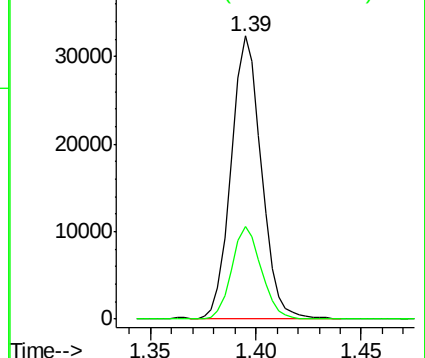
85 100

87 31.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.99 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU037524.D

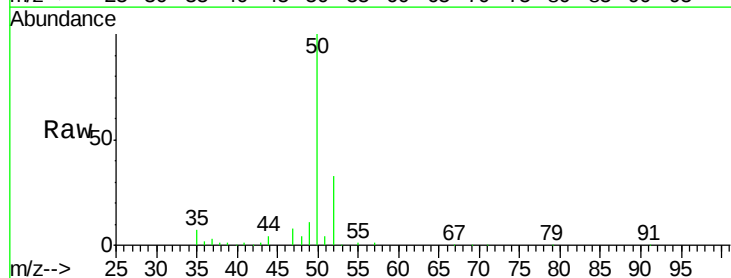
Acq: 01 Apr 2020 14:38

Tgt Ion: 50 Resp: 33158

Ion Ratio Lower Upper

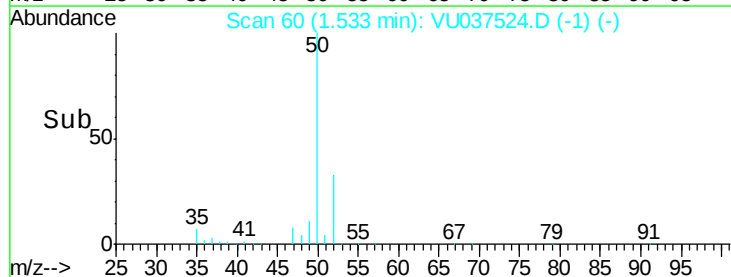
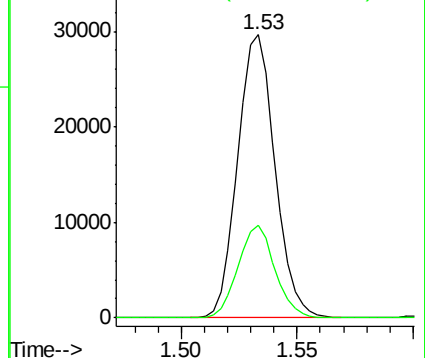
50 100

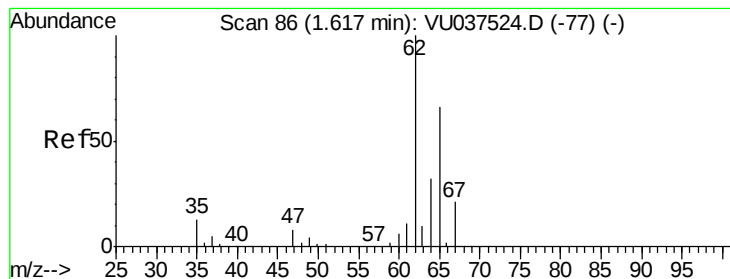
52 32.6 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.84 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037524.D

Acq: 01 Apr 2020 14:38

Instrument :

MSVOA_U

ClientSampleId :

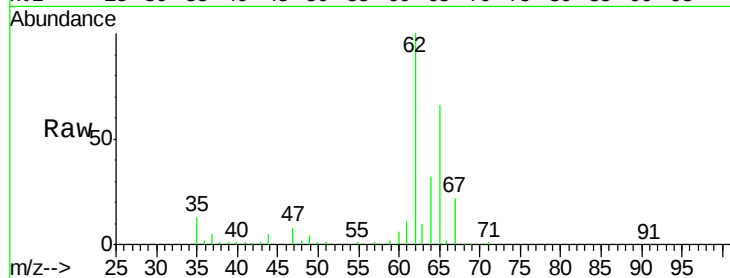
VSTD00506

Tgt Ion: 62 Resp: 34421

Ion Ratio Lower Upper

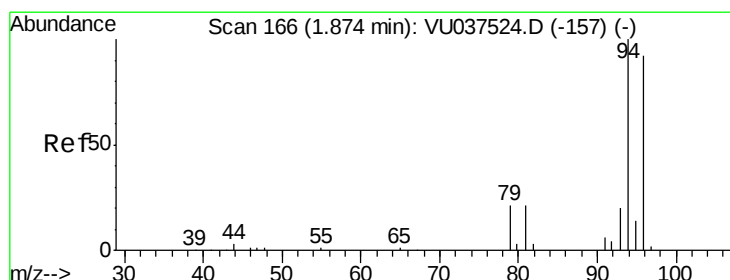
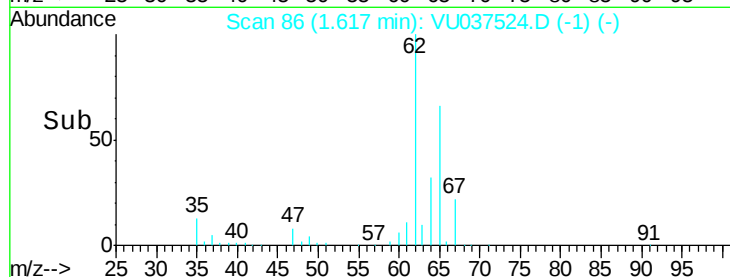
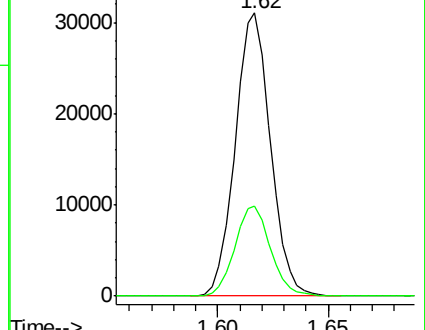
62 100

64 31.9 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VU037524.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU037524.D (-77) (-)



#6

Bromomethane

Concen: 4.74 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037524.D

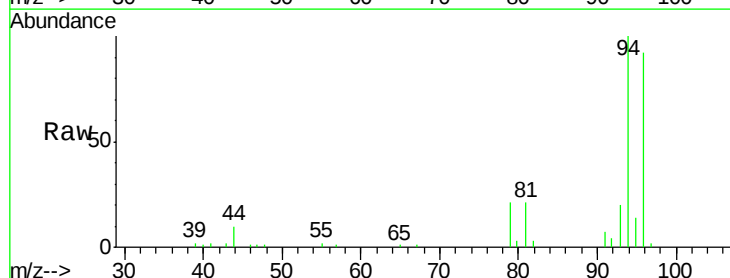
Acq: 01 Apr 2020 14:38

Tgt Ion: 94 Resp: 17030

Ion Ratio Lower Upper

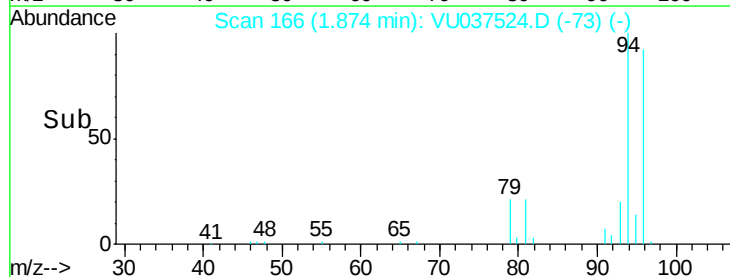
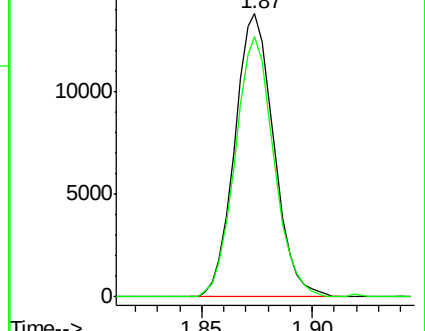
94 100

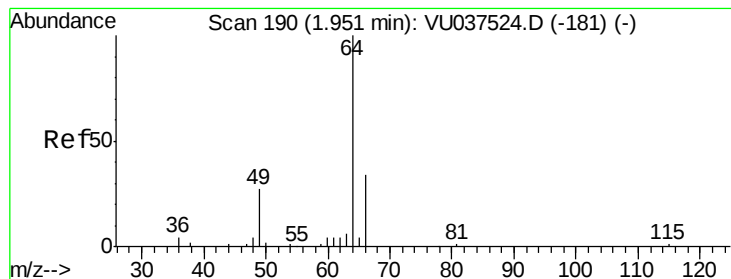
96 91.9 64.3 119.5



Abundance Ion 94.00 (93.70 to 94.70): VU037524.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU037524.D (-157) (-)





#8

Chloroethane

Concen: 4.66 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU037524.D

Acq: 01 Apr 2020 14:38

Instrument :

MSVOA_U

ClientSampleId :

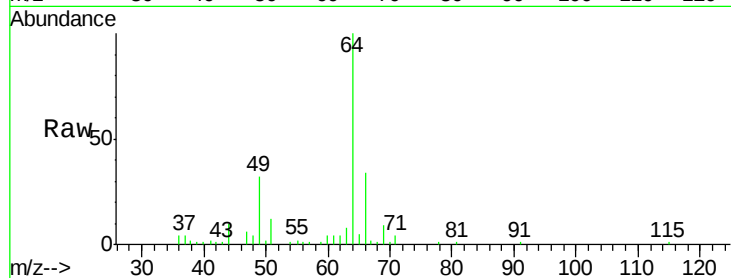
VSTD00506

Tgt Ion: 64 Resp: 18792

Ion Ratio Lower Upper

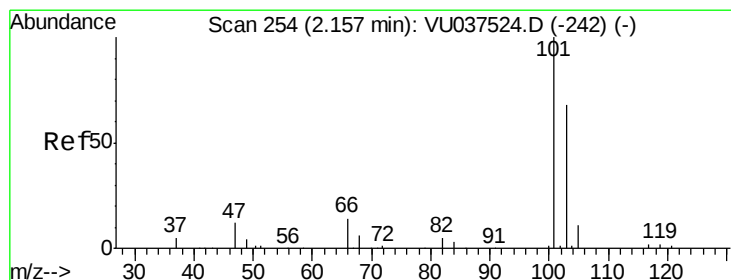
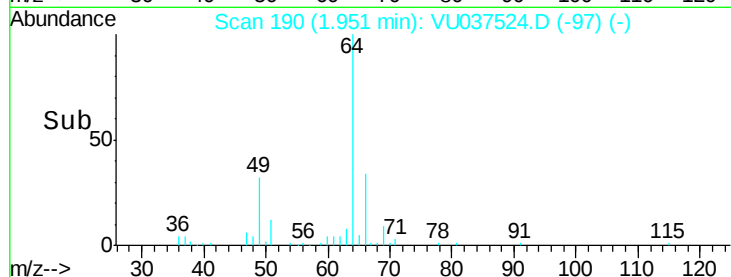
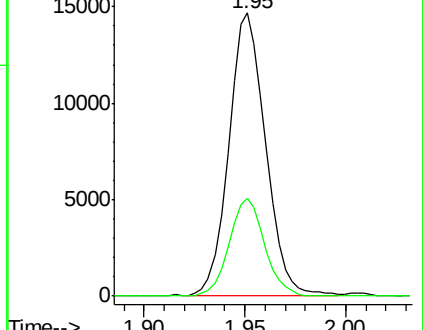
64 100

66 34.4 24.1 44.7



Abundance Ion 64.10 (63.80 to 64.80): VU037524.D (-181) (-)

Ion 66.05 (65.75 to 66.75): VU037524.D (-181) (-)



#9

Trichlorofluoromethane

Concen: 4.88 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU037524.D

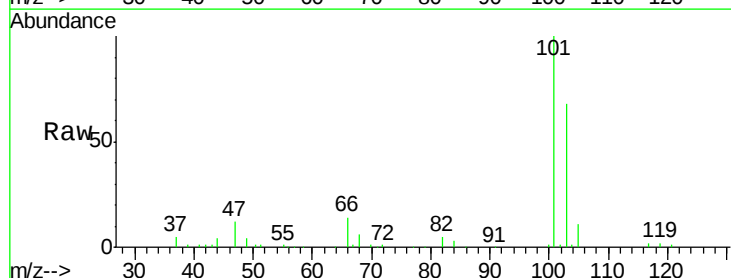
Acq: 01 Apr 2020 14:38

Tgt Ion: 101 Resp: 48396

Ion Ratio Lower Upper

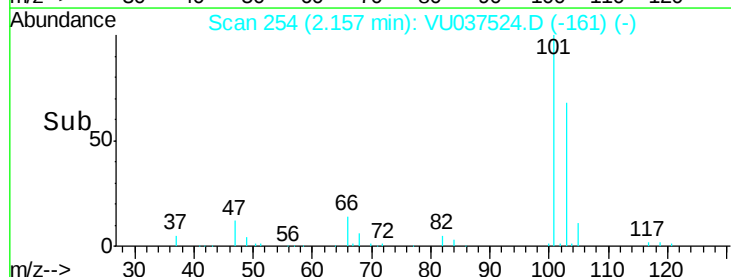
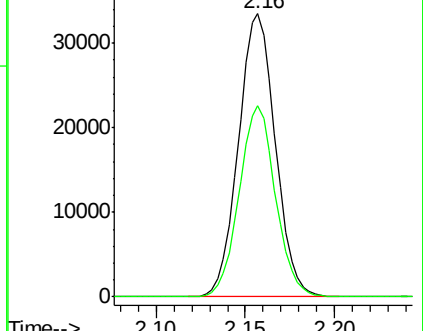
101 100

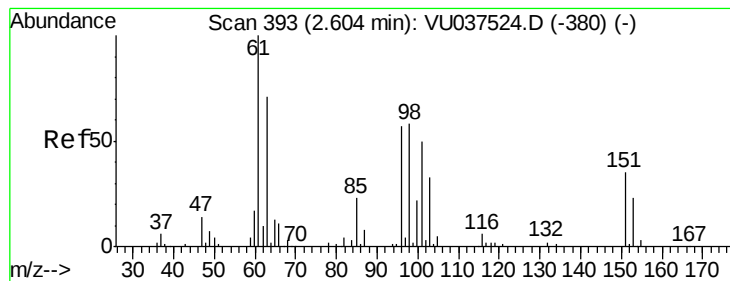
103 66.5 53.2 79.8



Abundance Ion 101.00 (100.70 to 101.70): VU037524.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU037524.D (-242) (-)





#10

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

Concen: 5.05 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037524.D

Acq: 01 Apr 2020 14:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

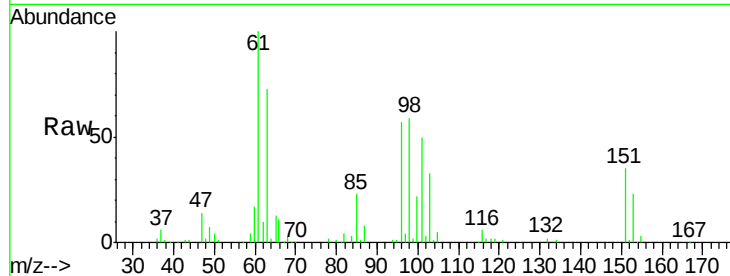
Tgt Ion:101 Resp: 29278

Ion Ratio Lower Upper

101 100

85 44.8 35.8 53.8

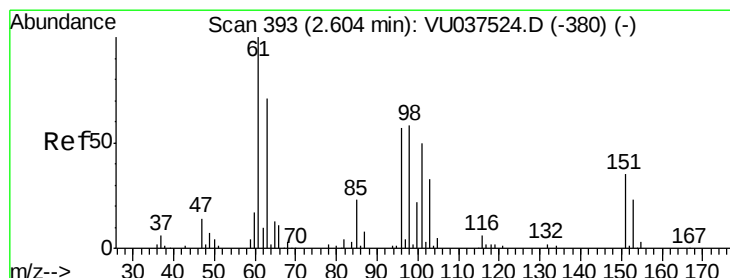
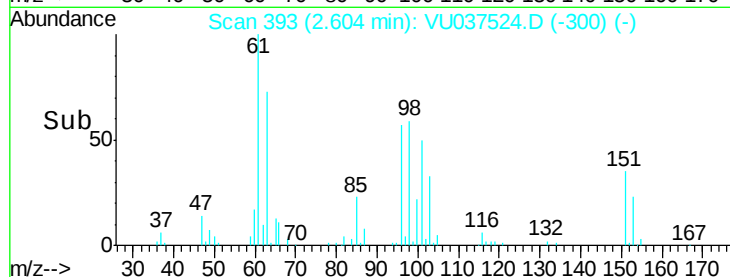
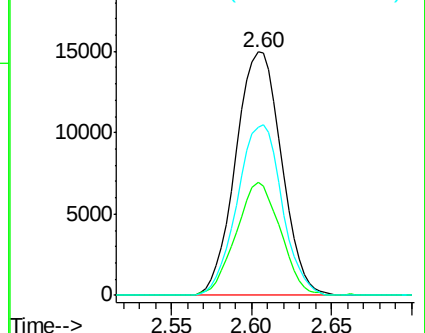
151 68.4 54.7 82.1



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: 4.80 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037524.D

Acq: 01 Apr 2020 14:38

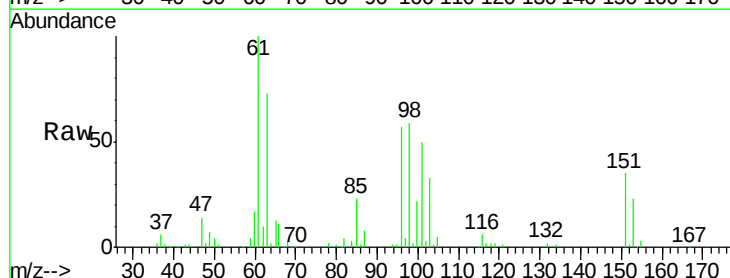
Tgt Ion: 96 Resp: 27804

Ion Ratio Lower Upper

96 100

61 176.3 123.4 229.2

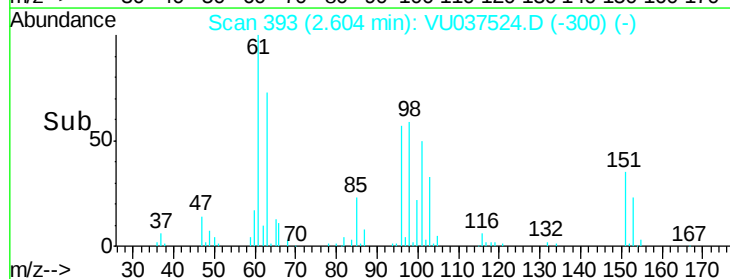
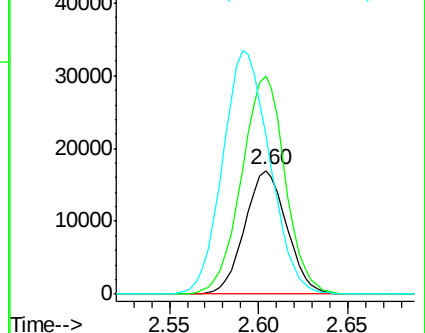
63 129.2 90.4 168.0

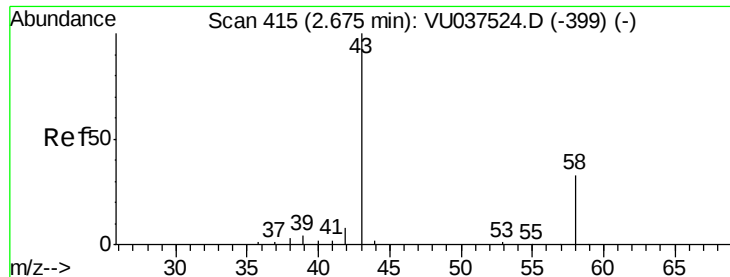


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.61 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU037524.D

Acq: 01 Apr 2020 14:38

Instrument :

MSVOA_U

ClientSampleId :

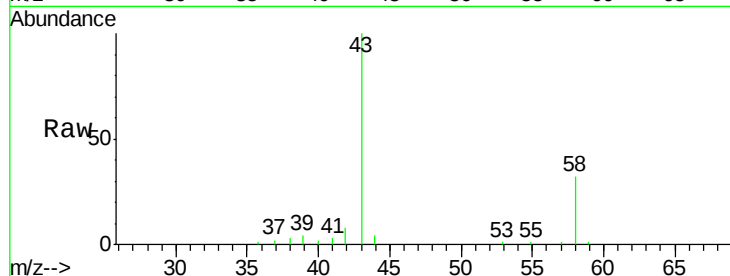
VSTD00506

Tgt Ion: 43 Resp: 51011

Ion Ratio Lower Upper

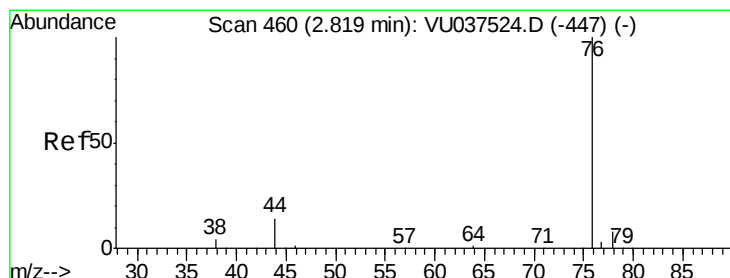
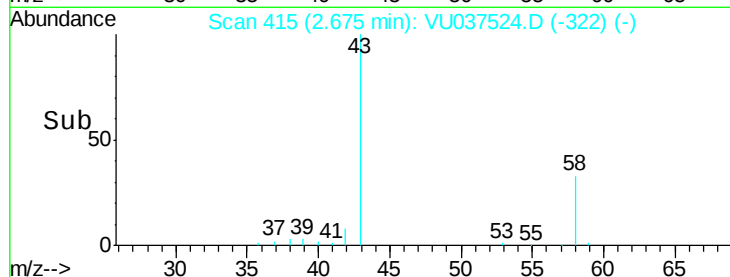
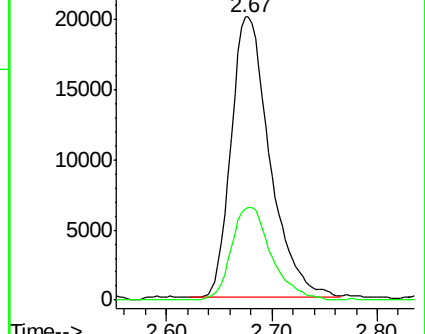
43 100

58 34.1 0.0 68.2



Abundance Ion 43.05 (42.75 to 43.75): VU037524.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VU037524.D (-399) (-)



#14

Carbon disulfide

Concen: 4.70 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037524.D

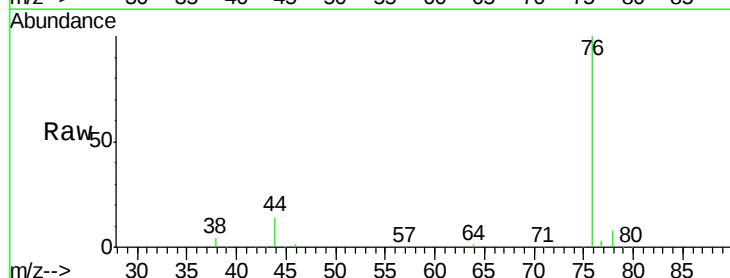
Acq: 01 Apr 2020 14:38

Tgt Ion: 76 Resp: 90423

Ion Ratio Lower Upper

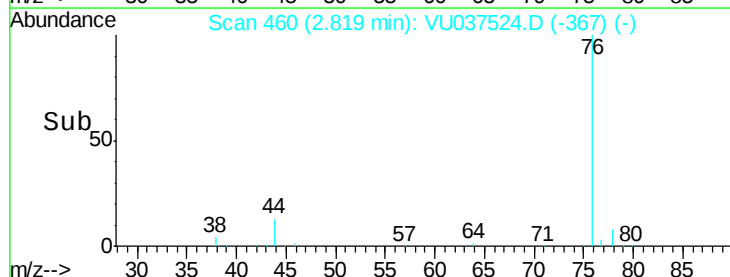
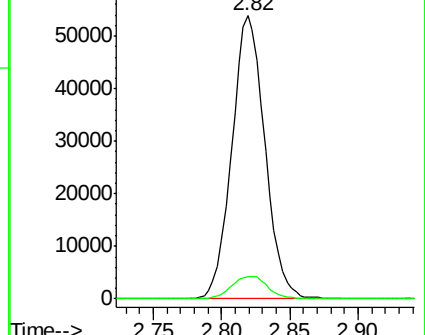
76 100

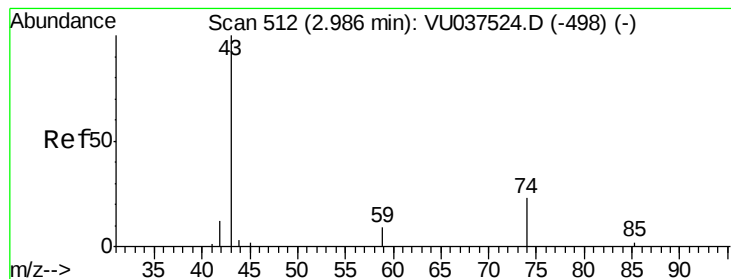
78 7.9 6.3 9.5



Abundance Ion 76.05 (75.75 to 76.75): VU037524.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU037524.D (-447) (-)





#15

Methyl Acetate

Concen: 4.71 ug/L

RT: 2.99 min Scan# 512

Delta R.T. 0.00 min

Lab File: VU037524.D

Acq: 01 Apr 2020 14:38

Instrument :

MSVOA_U

ClientSampleId :

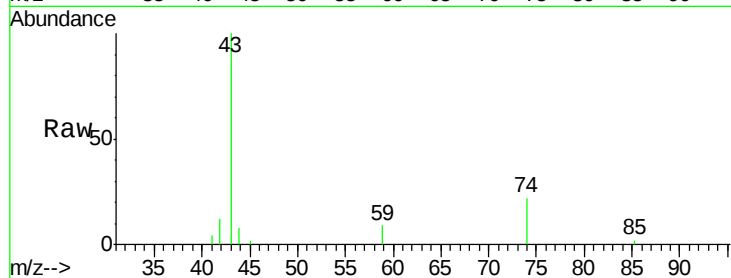
VSTD00506

Tgt Ion: 43 Resp: 14253

Ion Ratio Lower Upper

43 100

74 21.0 16.8 25.2



Abundance Ion 43.05 (42.75 to 43.75): VU037524.D (-498) (-)

Ion 74.05 (73.75 to 74.75): VU037524.D (-498) (-)

2.99

8000

6000

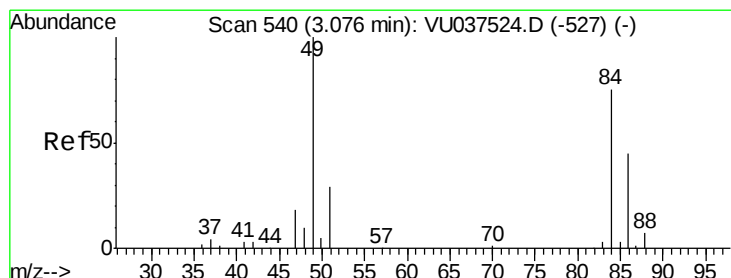
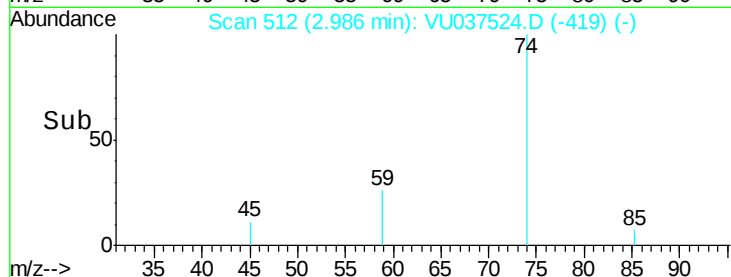
4000

2000

0

Time-->

2.90 2.95 3.00 3.05



#16

Methylene chloride

Concen: 4.85 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU037524.D

Acq: 01 Apr 2020 14:38

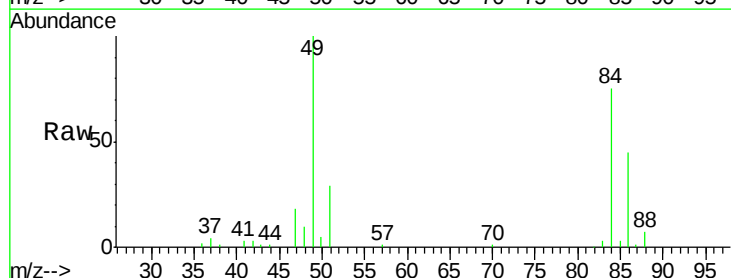
Tgt Ion: 84 Resp: 31632

Ion Ratio Lower Upper

84 100

86 59.5 41.6 77.3

49 138.6 97.0 180.2



Abundance Ion 84.05 (83.75 to 84.75): VU037524.D (-527) (-)

Ion 86.00 (85.70 to 86.70): VU037524.D (-527) (-)

Ion 49.10 (48.80 to 49.80): VU037524.D (-527) (-)

30000

25000

20000

15000

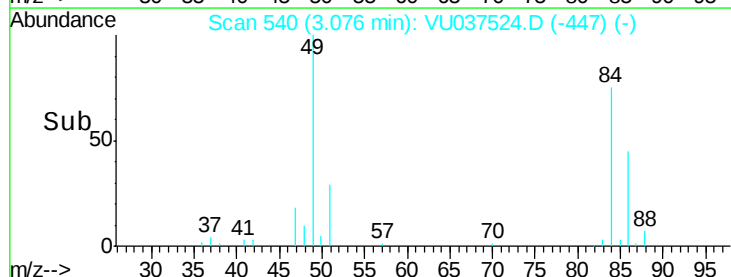
10000

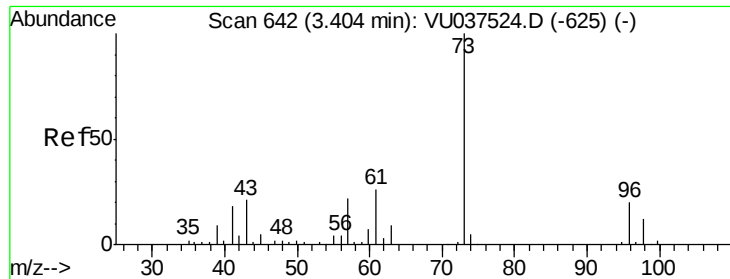
5000

0

Time-->

3.00 3.05 3.10 3.15

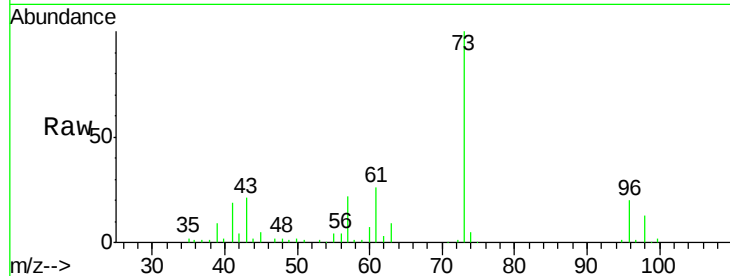




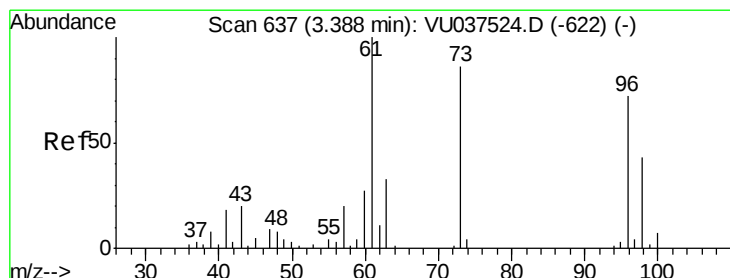
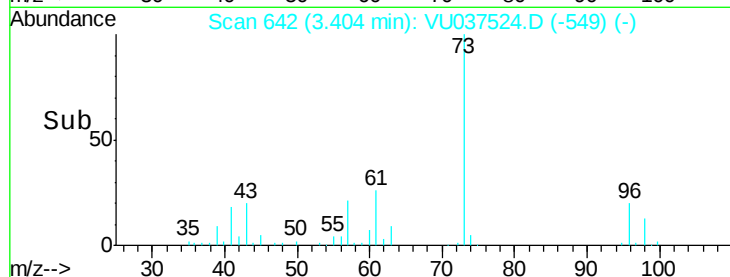
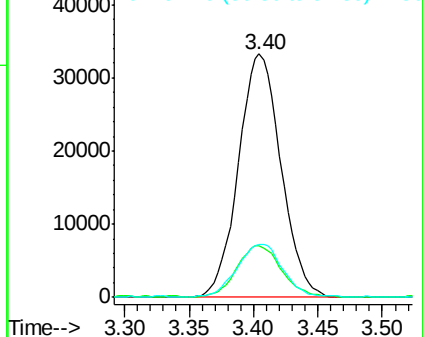
#17
Methyl tert-butyl Ether
Concen: 4.78 ug/L
RT: 3.40 min Scan# 642
Delta R.T. 0.00 min
Lab File: VU037524.D
Acq: 01 Apr 2020 14:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

Tgt Ion: 73 Resp: 76515
Ion Ratio Lower Upper
73 100
43 22.5 18.0 27.0
57 23.8 19.0 28.6

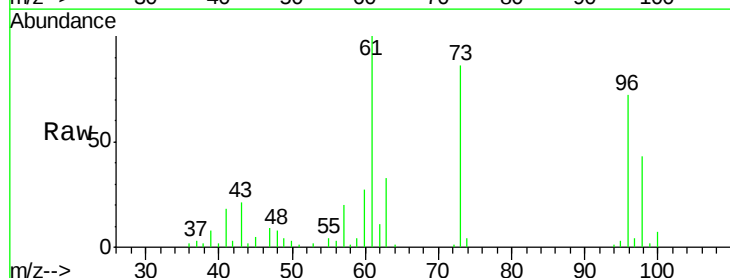


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

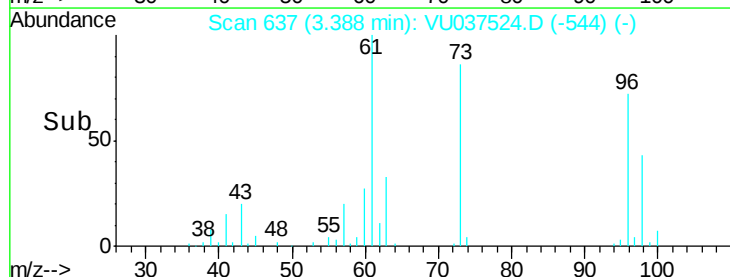
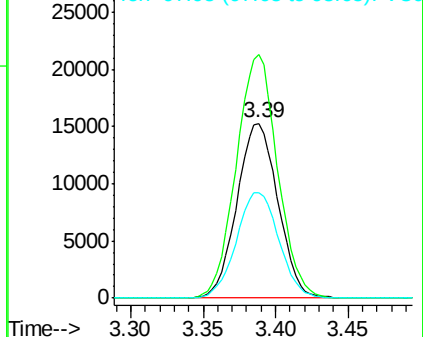


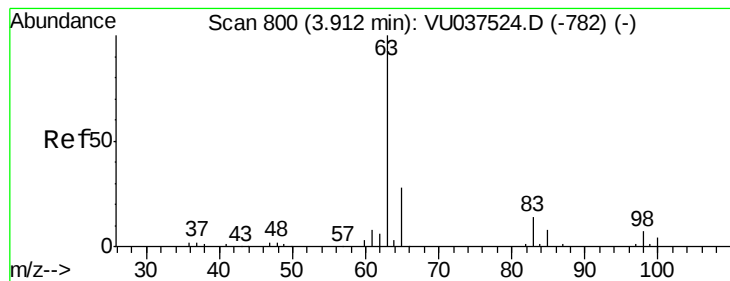
#18
trans-1,2-Dichloroethene
Concen: 4.95 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU037524.D
Acq: 01 Apr 2020 14:38

Tgt Ion: 96 Resp: 30116
Ion Ratio Lower Upper
96 100
61 139.2 97.4 181.0
98 60.5 42.4 78.6



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





#19

1,1-Dichloroethane

Concen: 4.84 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU037524.D

Acq: 01 Apr 2020 14:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

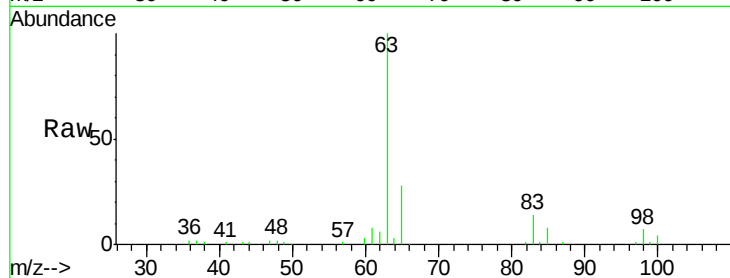
Tgt Ion: 63 Resp: 55503

Ion Ratio Lower Upper

63 100

65 28.4 19.9 36.9

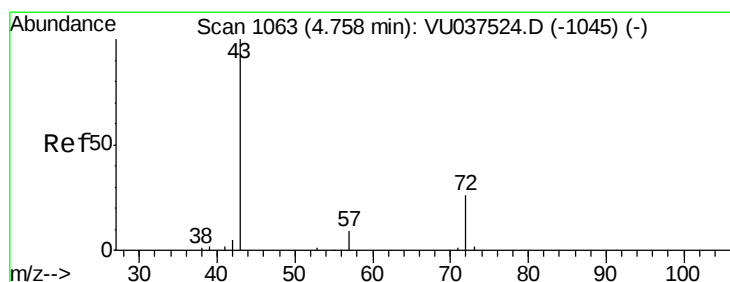
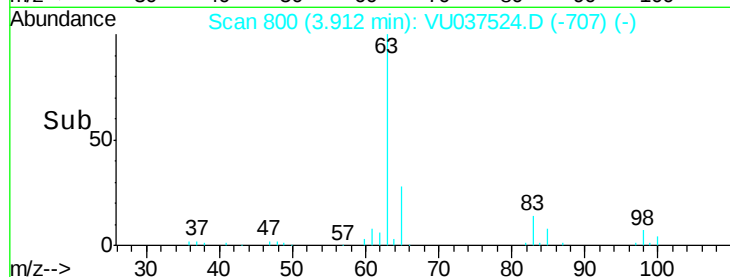
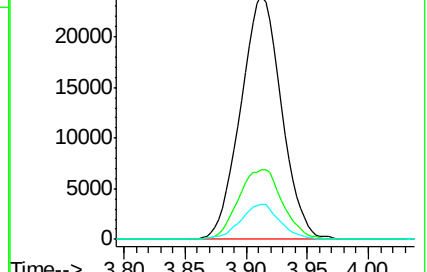
83 14.4 10.1 18.7



Abundance Ion 63.10 (62.80 to 63.80): VU037524.D (-782) (-)

Ion 65.10 (64.80 to 65.80): VU037524.D (-782) (-)

Ion 83.05 (82.75 to 83.75): VU037524.D (-782) (-)



#21

2-Butanone

Concen: 47.59 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VU037524.D

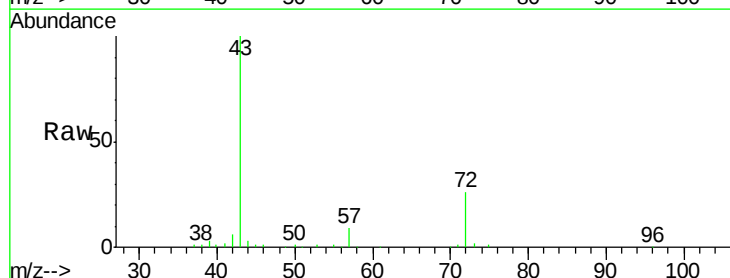
Acq: 01 Apr 2020 14:38

Tgt Ion: 43 Resp: 92137

Ion Ratio Lower Upper

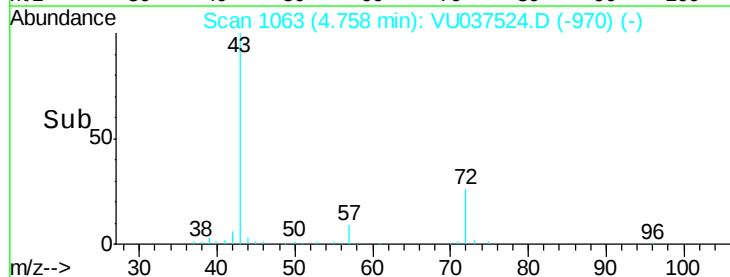
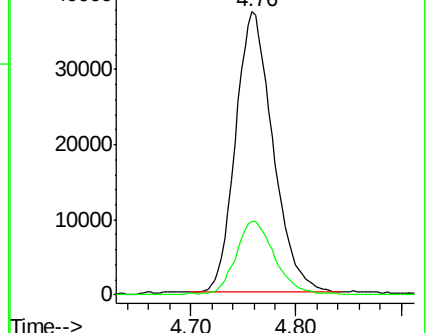
43 100

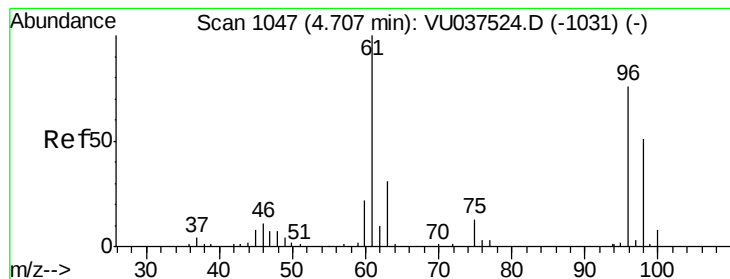
72 26.1 13.1 39.1



Abundance Ion 43.05 (42.75 to 43.75): VU037524.D (-1045) (-)

Ion 72.10 (71.80 to 72.80): VU037524.D (-1045) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.84 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037524.D

Acq: 01 Apr 2020 14:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

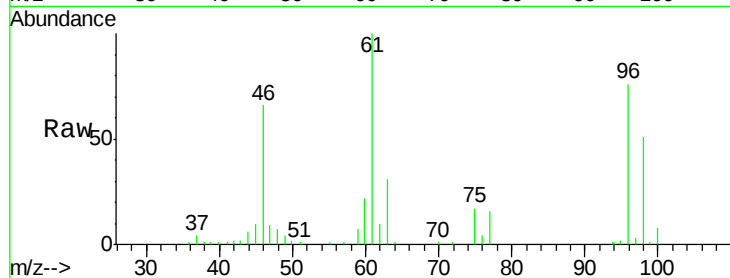
Tgt Ion: 96 Resp: 32682

Ion Ratio Lower Upper

96 100

61 131.5 92.0 170.9

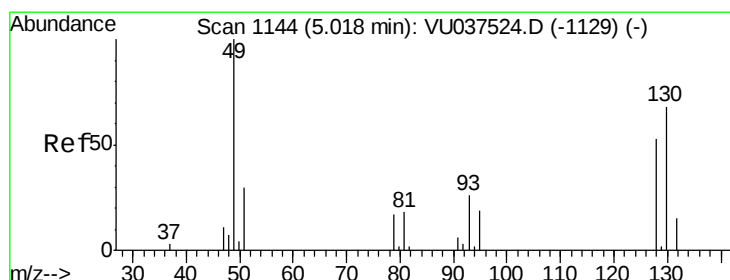
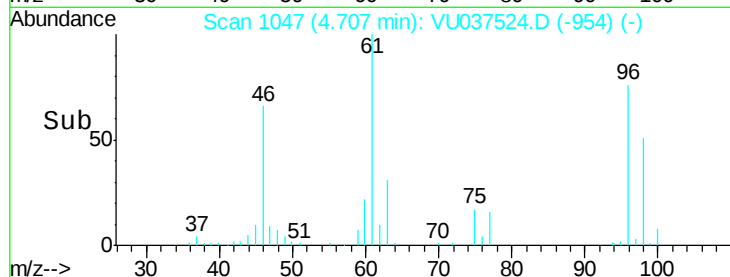
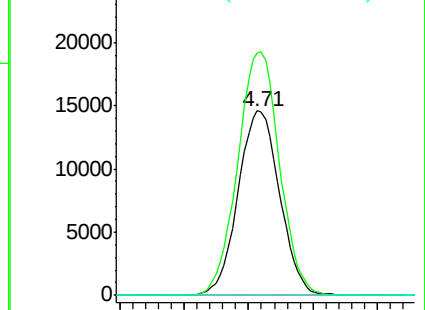
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037524.D (-1031) (-)

Ion 61.05 (60.75 to 61.75): VU037524.D (-1031) (-)

Ion 68.15 (67.85 to 68.85): VU037524.D (-1031) (-)



#23

Bromochloromethane

Concen: 4.99 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU037524.D

Acq: 01 Apr 2020 14:38

Tgt Ion: 128 Resp: 13939

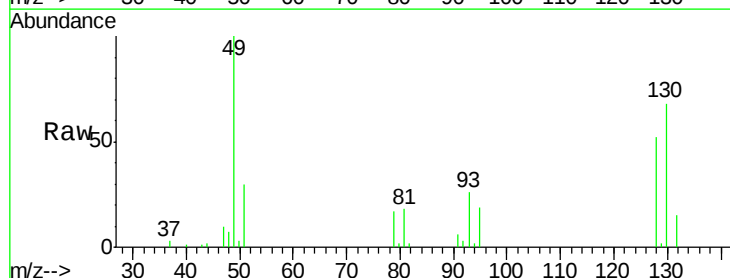
Ion Ratio Lower Upper

128 100

49 191.0 133.7 248.3

130 129.4 90.6 168.2

51 56.5 45.2 67.8

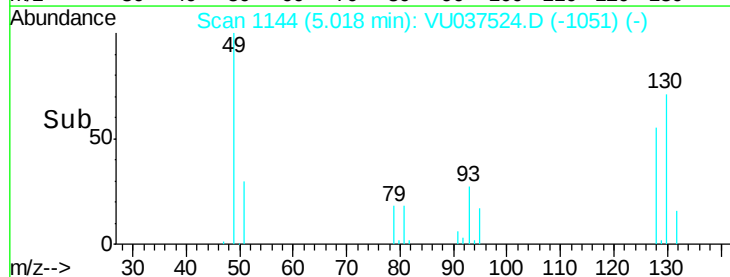
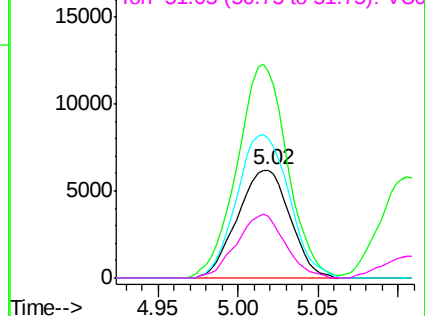


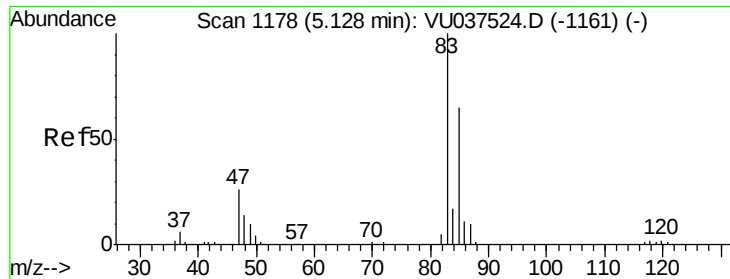
Abundance Ion 127.90 (127.60 to 128.60): VU037524.D (-1129) (-)

Ion 49.10 (48.80 to 49.80): VU037524.D (-1129) (-)

Ion 129.95 (129.65 to 130.65): VU037524.D (-1129) (-)

Ion 51.05 (50.75 to 51.75): VU037524.D (-1129) (-)

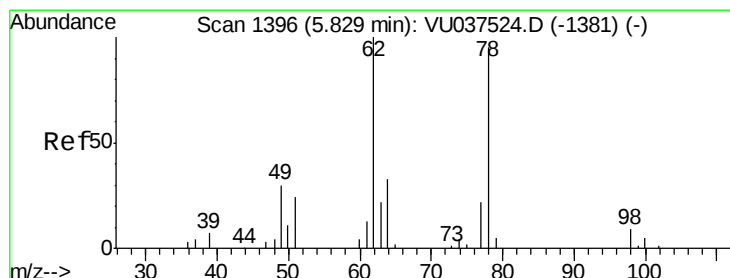
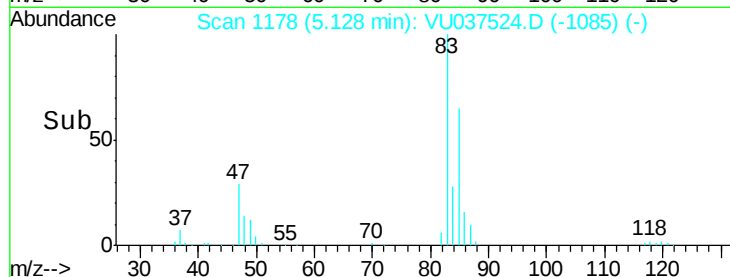
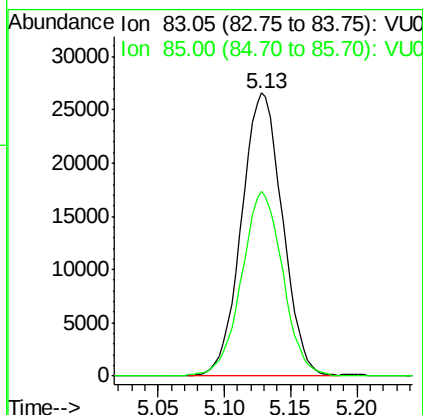
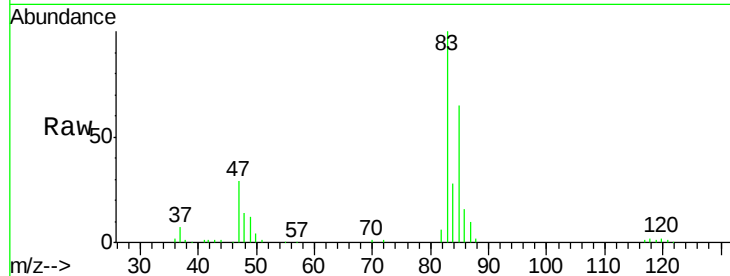




#25
Chloroform
Concen: 4.91 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037524.D
Acq: 01 Apr 2020 14:38

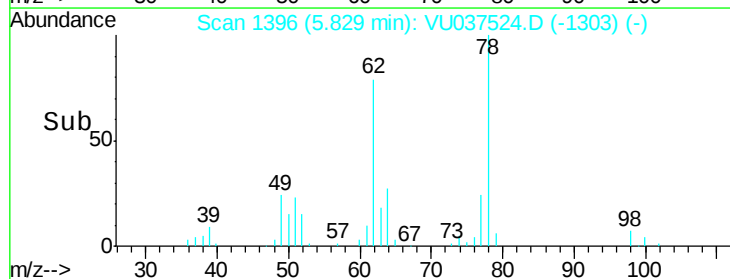
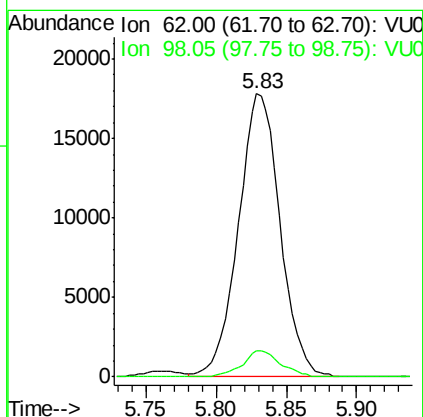
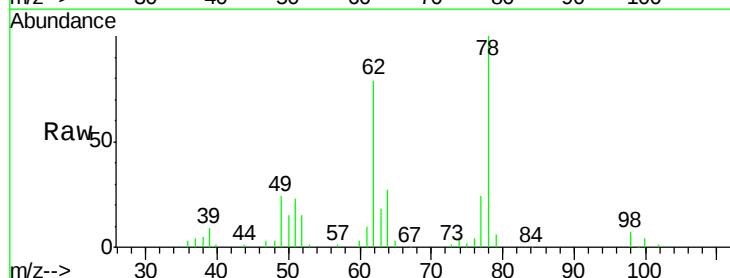
Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

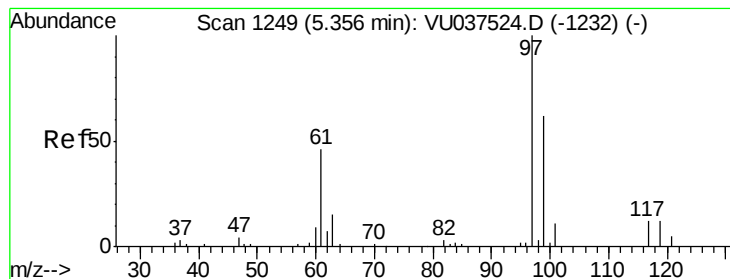
Tgt Ion: 83 Resp: 57239
Ion Ratio Lower Upper
83 100
85 65.5 45.8 85.2



#27
1,2-Dichloroethane
Concen: 4.70 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU037524.D
Acq: 01 Apr 2020 14:38

Tgt Ion: 62 Resp: 36854
Ion Ratio Lower Upper
62 100
98 9.1 7.3 10.9





#29

1,1,1-Trichloroethane

Concen: 4.87 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU037524.D

Acq: 01 Apr 2020 14:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

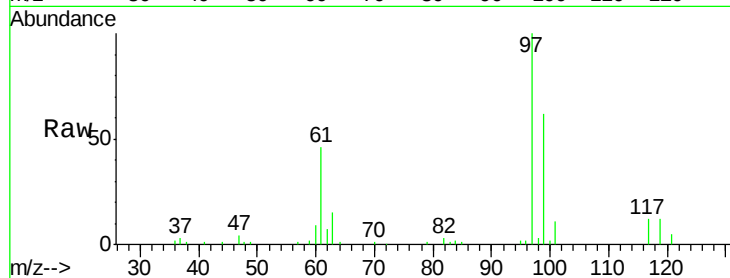
Tgt Ion: 97 Resp: 50193

Ion Ratio Lower Upper

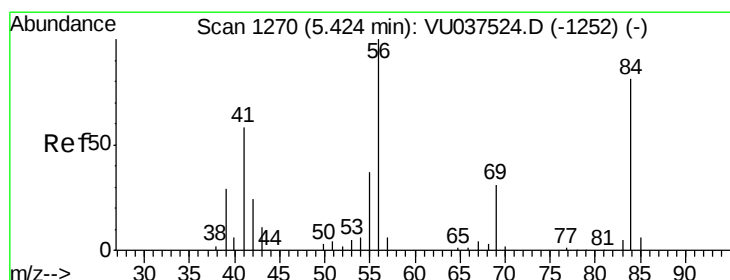
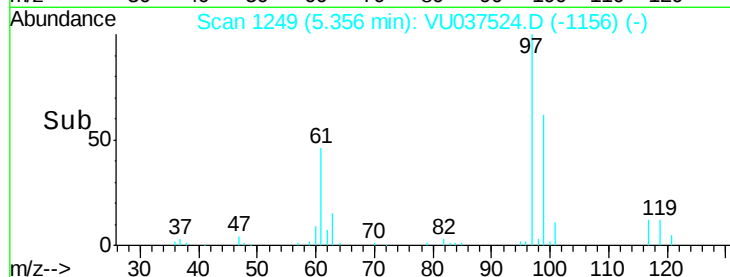
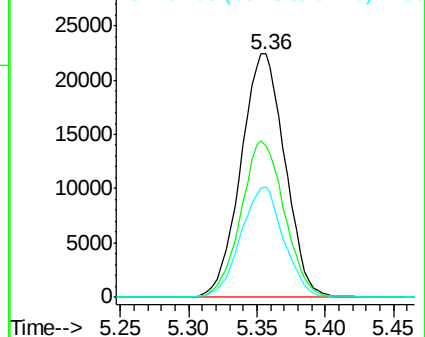
97 100

99 63.3 50.6 76.0

61 44.0 35.2 52.8



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: 4.83 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VU037524.D

Acq: 01 Apr 2020 14:38

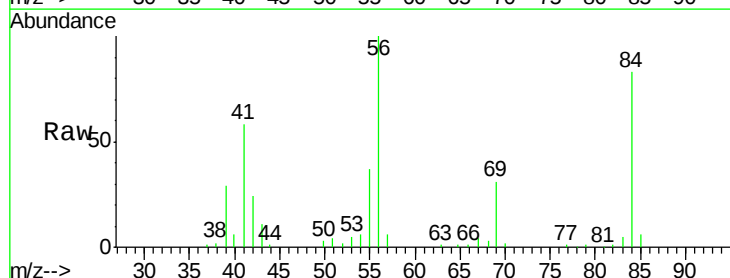
Tgt Ion: 56 Resp: 53745

Ion Ratio Lower Upper

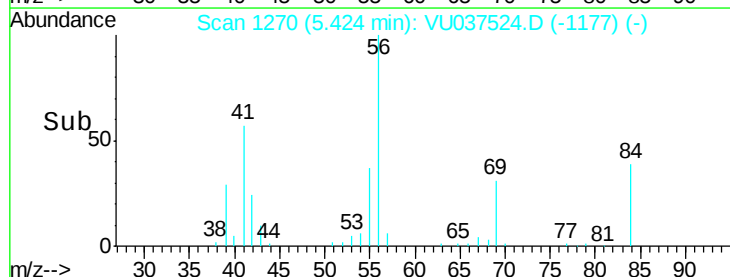
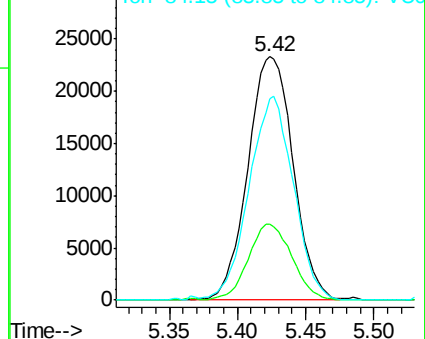
56 100

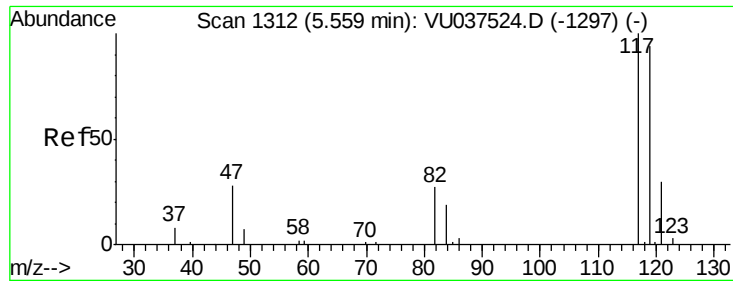
69 29.9 23.9 35.9

84 82.0 65.6 98.4



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: 4.91 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU037524.D

Acq: 01 Apr 2020 14:38

Instrument :

MSVOA_U

ClientSampleId :

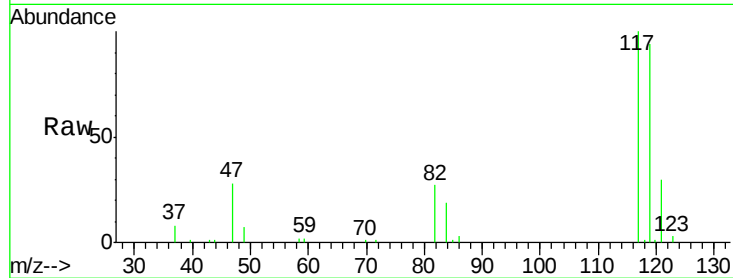
VSTD00506

Tgt Ion:117 Resp: 41887

Ion Ratio Lower Upper

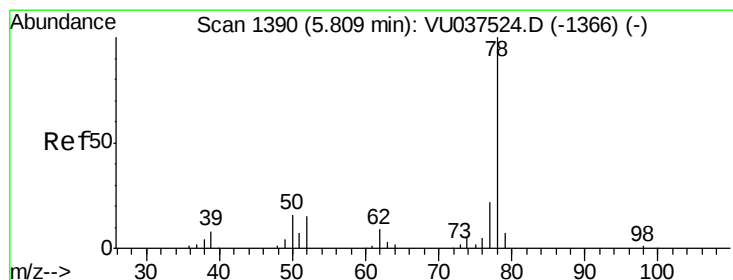
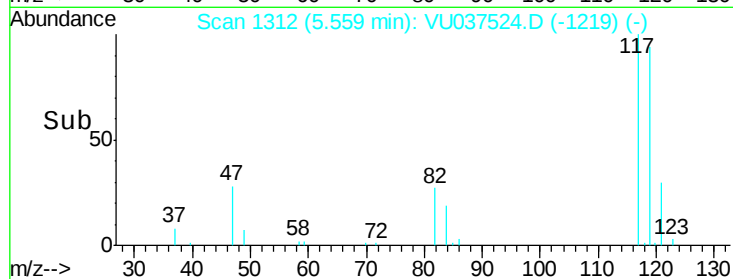
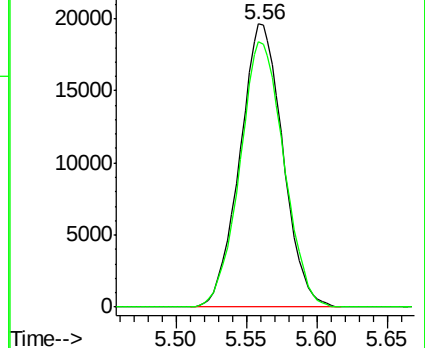
117 100

119 95.7 76.6 114.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.92 ug/L

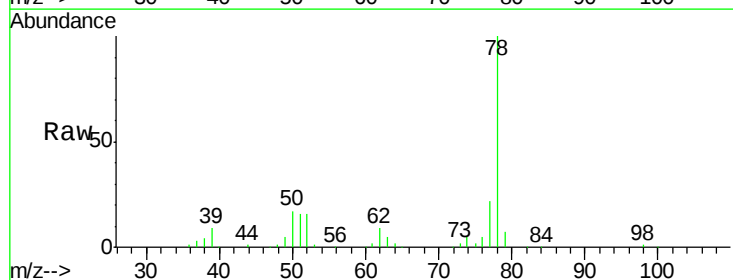
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

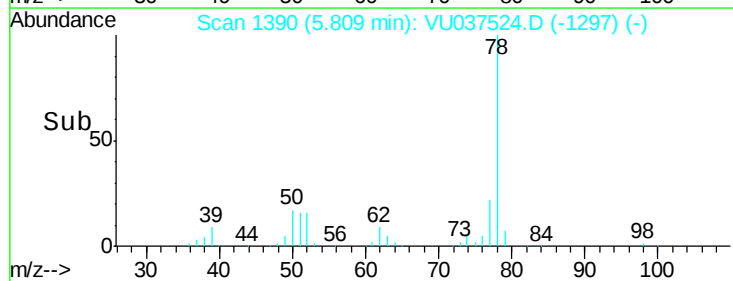
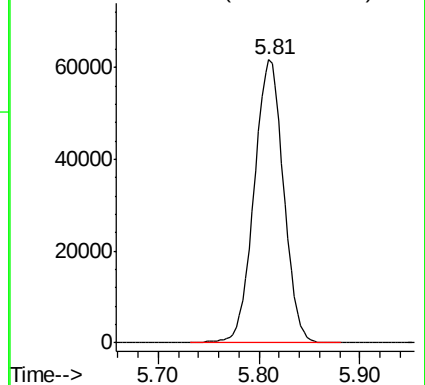
Lab File: VU037524.D

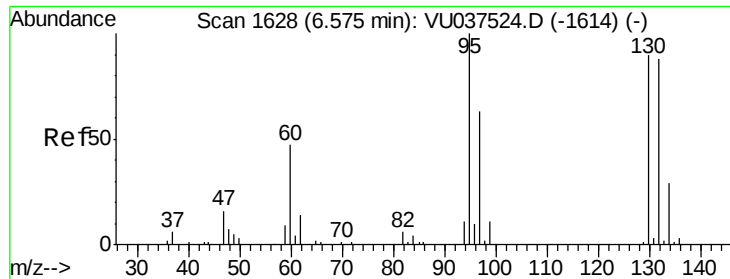
Acq: 01 Apr 2020 14:38

Tgt Ion: 78 Resp: 124657



Abundance Ion 78.10 (77.80 to 78.80): VU0

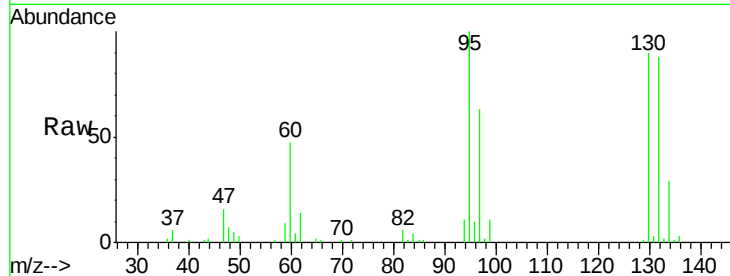




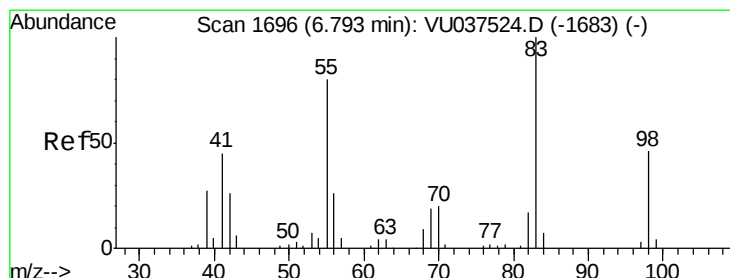
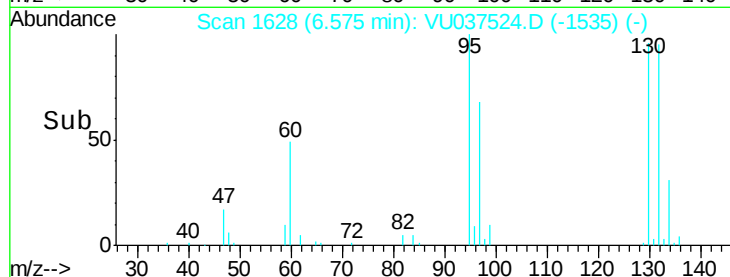
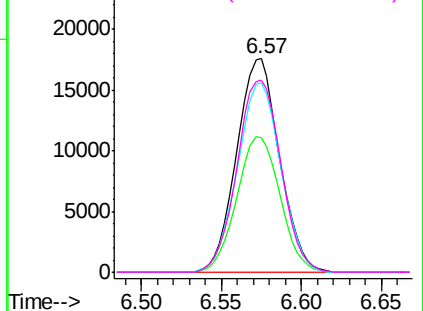
#34
 Trichloroethene
 Concen: 4.79 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU037524.D
 Acq: 01 Apr 2020 14:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

Tgt Ion: 95 Resp: 32093
 Ion Ratio Lower Upper
 95 100
 97 62.9 44.0 81.8
 132 88.4 61.9 114.9
 130 89.6 62.7 116.5

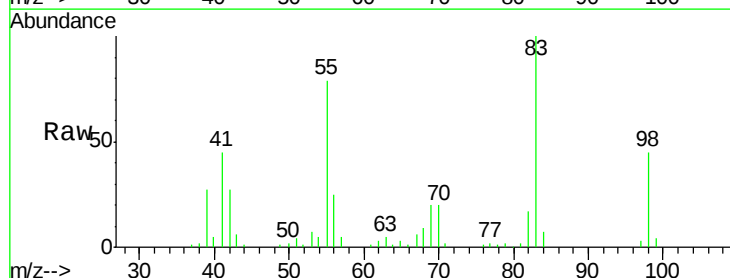


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

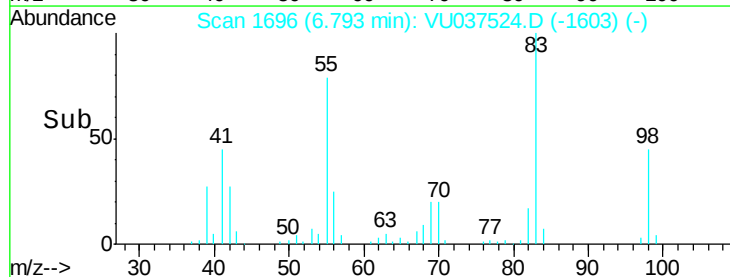
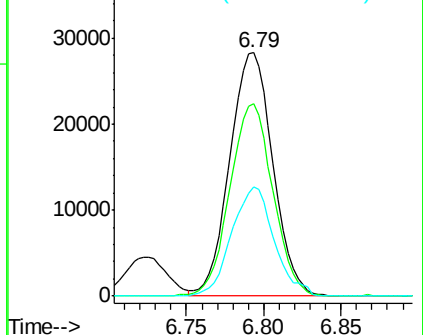


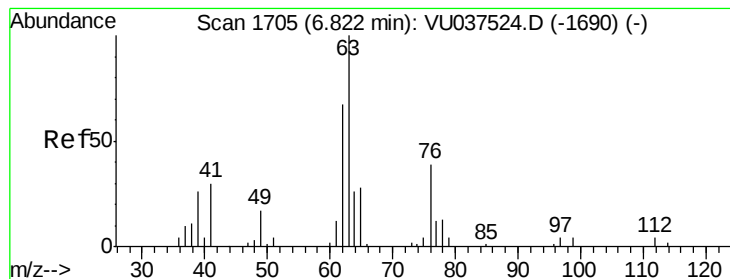
#35
 Methylcyclohexane
 Concen: 4.95 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037524.D
 Acq: 01 Apr 2020 14:38

Tgt Ion: 83 Resp: 54869
 Ion Ratio Lower Upper
 83 100
 55 78.8 63.0 94.6
 98 44.1 35.3 52.9



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: 5.04 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037524.D

Acq: 01 Apr 2020 14:38

Instrument :

MSVOA_U

ClientSampleId :

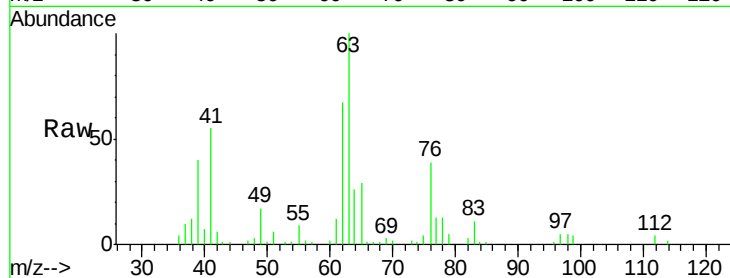
VSTD00506

Tgt Ion: 63 Resp: 34048

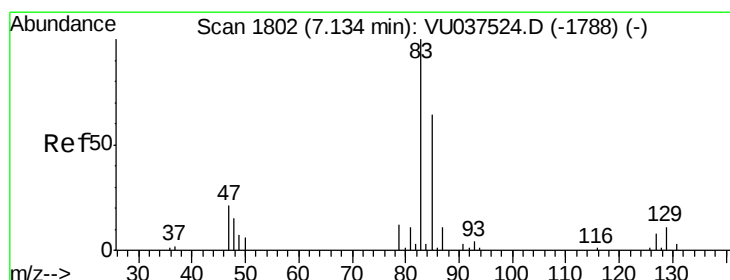
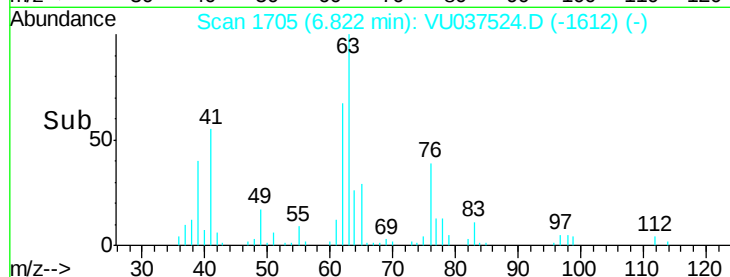
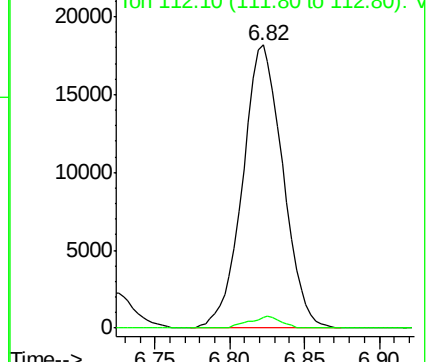
Ion Ratio Lower Upper

63 100

112 3.2 2.6 3.8



Abundance Ion 63.10 (62.80 to 63.80): VU037524.D (-1690) (-)



#38

Bromodichloromethane

Concen: 4.78 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU037524.D

Acq: 01 Apr 2020 14:38

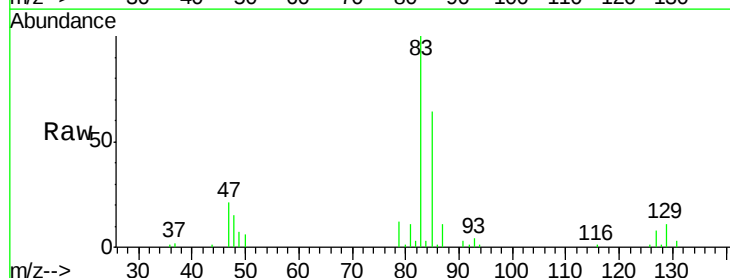
Tgt Ion: 83 Resp: 42017

Ion Ratio Lower Upper

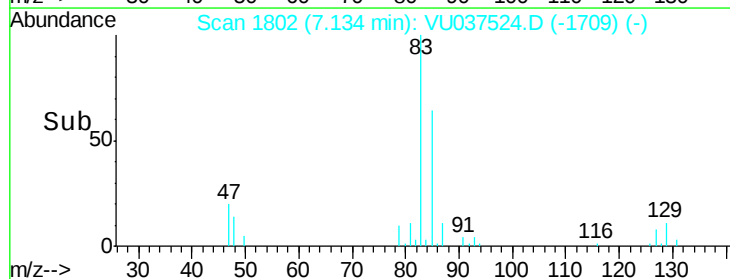
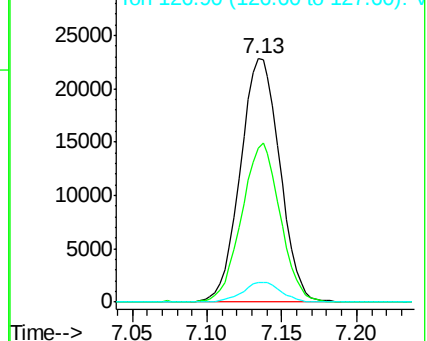
83 100

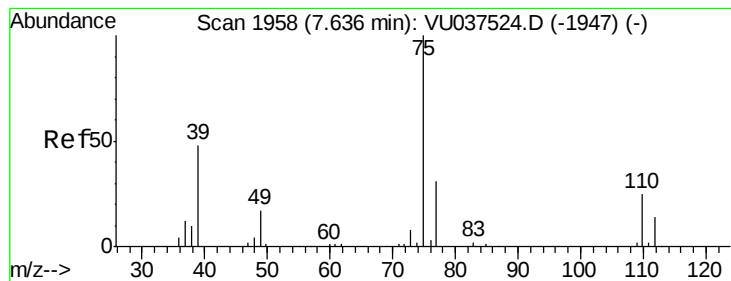
85 63.5 44.4 82.5

127 8.1 6.5 9.7



Abundance Ion 82.95 (82.65 to 83.65): VU037524.D (-1788) (-)





#39

cis-1,3-Dichloropropene

Concen: 4.80 ug/L

RT: 7.64 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VU037524.D

Acq: 01 Apr 2020 14:38

Instrument :

MSVOA_U

ClientSampleId :

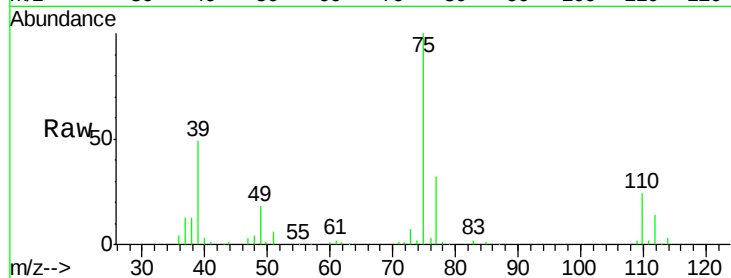
VSTD00506

Tgt Ion: 75 Resp: 49783

Ion Ratio Lower Upper

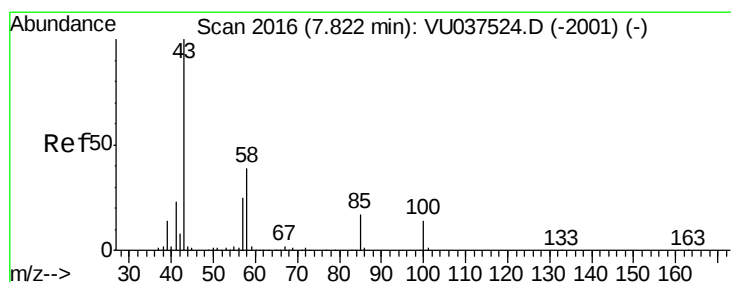
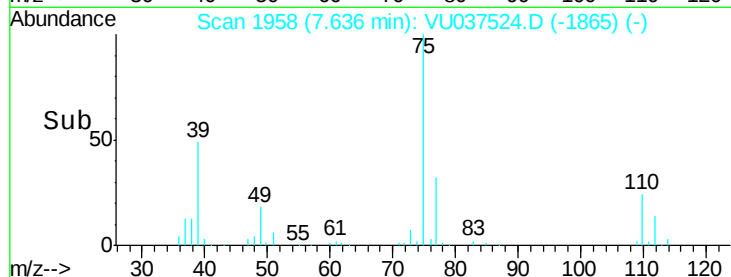
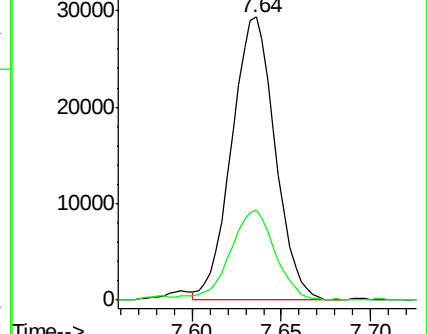
75 100

77 31.7 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#40

4-Methyl-2-pentanone

Concen: 46.34 ug/L

RT: 7.82 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VU037524.D

Acq: 01 Apr 2020 14:38

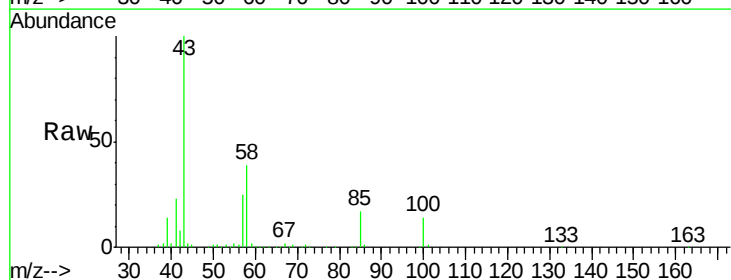
Tgt Ion: 43 Resp: 229210

Ion Ratio Lower Upper

43 100

58 39.6 31.7 47.5

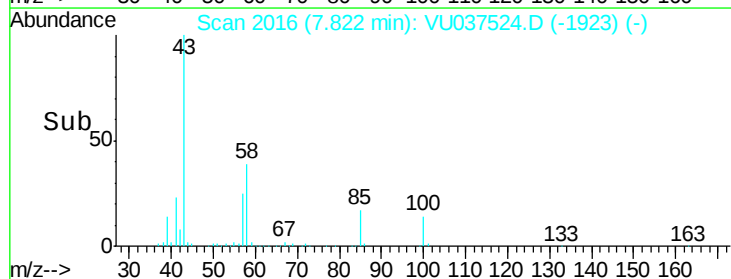
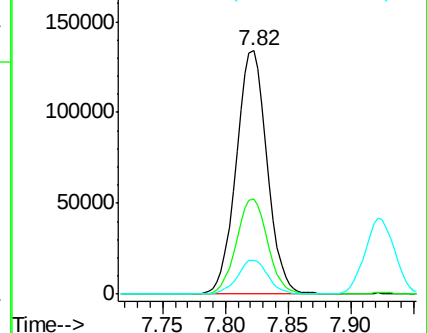
100 13.8 11.0 16.6

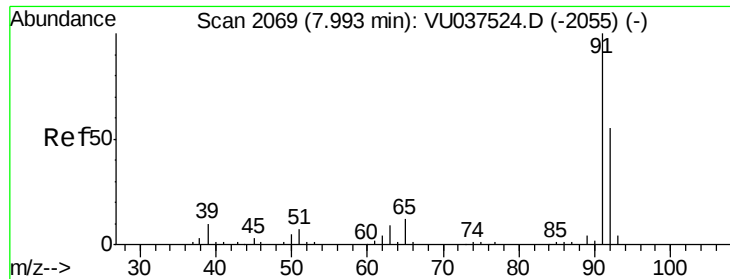


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 100.15 (99.85 to 100.85): VU0





#42

Toluene

Concen: 4.99 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU037524.D

Acq: 01 Apr 2020 14:38

Instrument :

MSVOA_U

ClientSampleId :

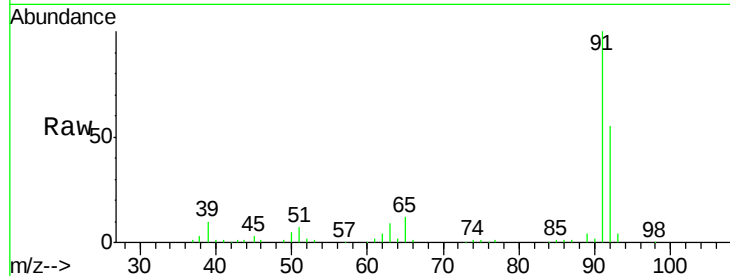
VSTD00506

Tgt Ion: 91 Resp: 133543

Ion Ratio Lower Upper

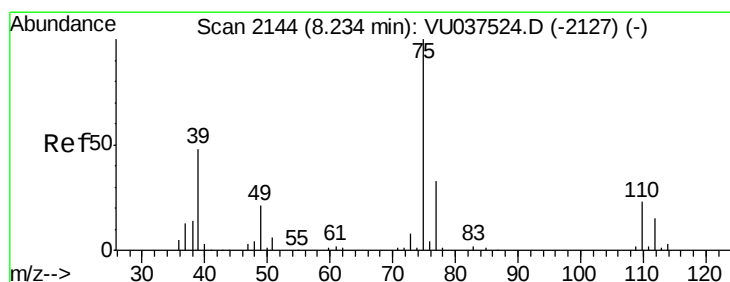
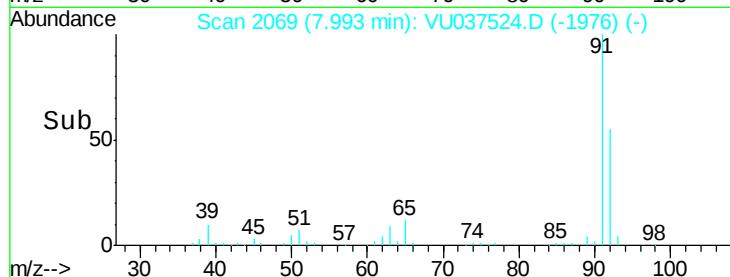
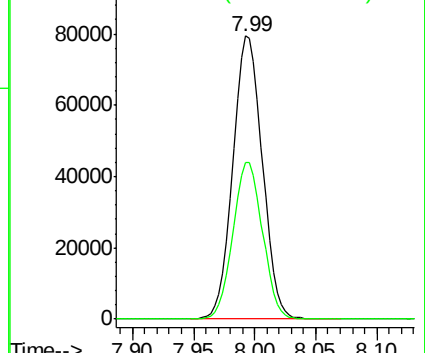
91 100

92 55.2 38.6 71.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 4.96 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037524.D

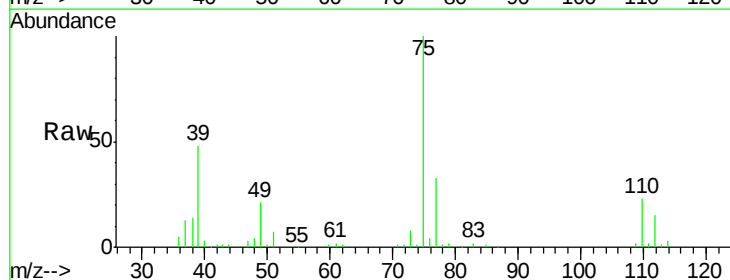
Acq: 01 Apr 2020 14:38

Tgt Ion: 75 Resp: 45892

Ion Ratio Lower Upper

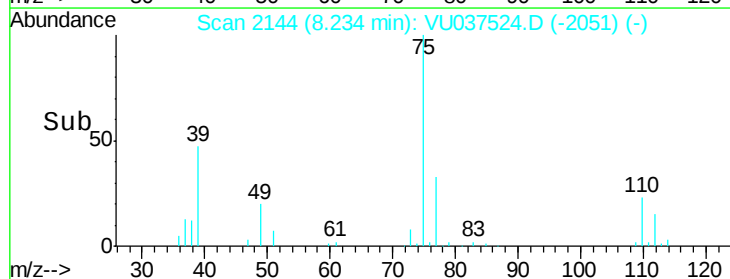
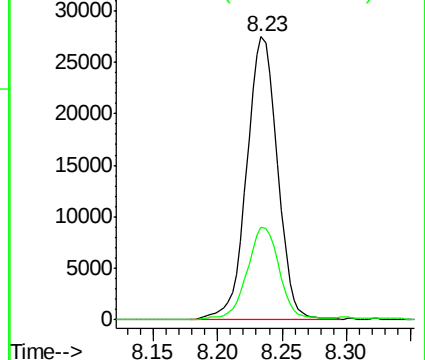
75 100

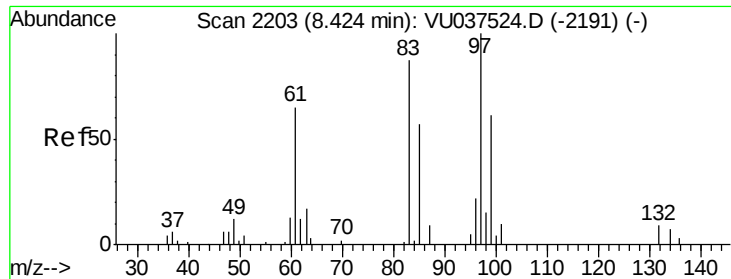
77 32.7 22.9 42.5



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

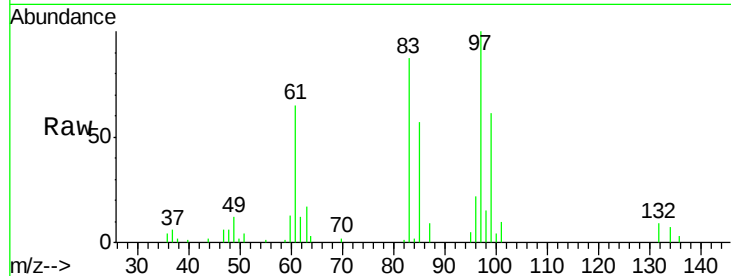




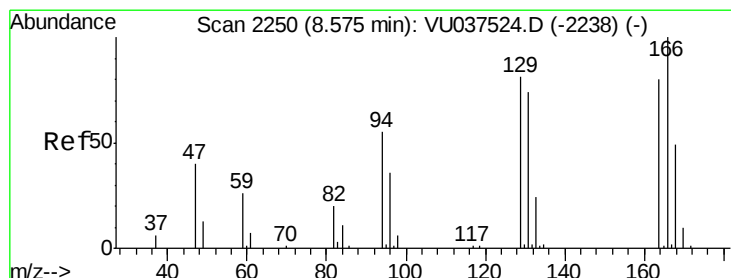
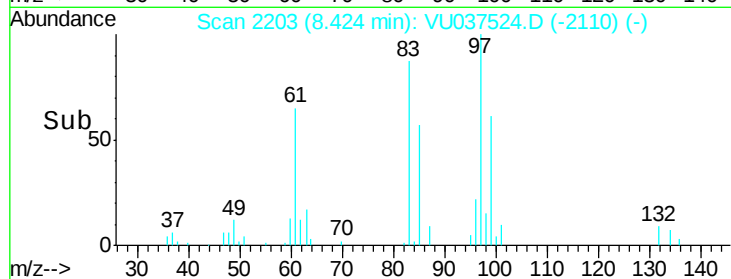
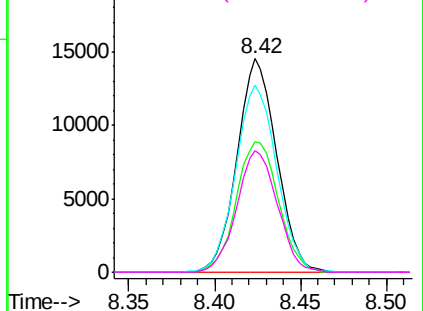
#45
 1,1,2-Trichloroethane
 Concen: 4.88 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU037524.D
 Acq: 01 Apr 2020 14:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

Tgt Ion:	97	Resp:	23324
Ion	Ratio	Lower	Upper
97	100		
99	61.1	42.8	79.4
83	87.2	61.0	113.4
85	56.8	39.8	73.8

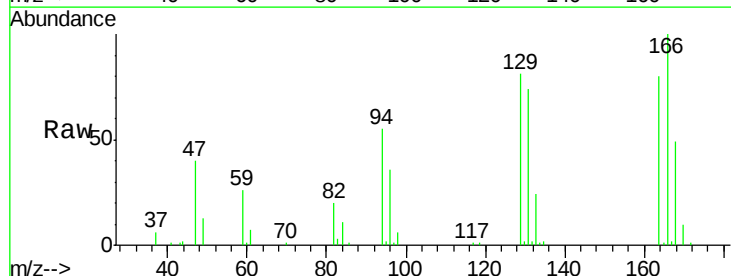


Abundance Ion 96.95 (96.65 to 97.65): VU037524.D (-2191) (-)
 Ion 99.05 (98.75 to 99.75): VU037524.D (-2191) (-)
 Ion 82.95 (82.65 to 83.65): VU037524.D (-2191) (-)
 Ion 85.00 (84.70 to 85.70): VU037524.D (-2191) (-)

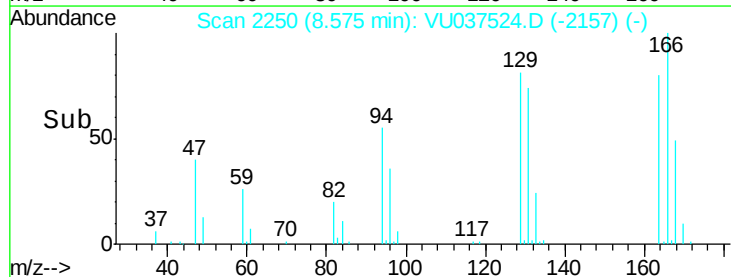
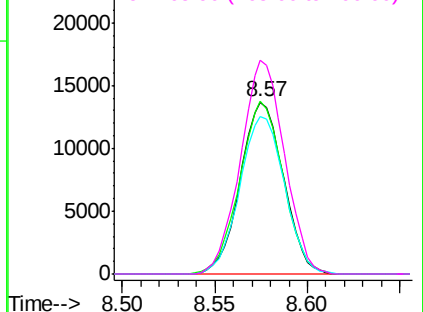


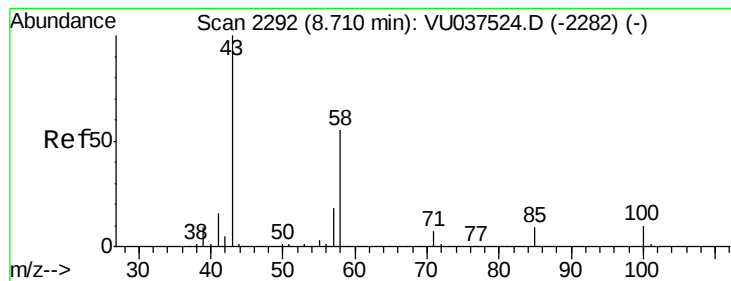
#47
 Tetrachloroethene
 Concen: 4.98 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU037524.D
 Acq: 01 Apr 2020 14:38

Tgt Ion:	164	Resp:	22178
Ion	Ratio	Lower	Upper
164	100		
129	100.6	70.4	130.8
131	92.0	64.4	119.6
166	124.4	87.1	161.7



Abundance Ion 163.90 (163.60 to 164.60): VU037524.D (-2238) (-)
 Ion 128.95 (128.65 to 129.65): VU037524.D (-2238) (-)
 Ion 130.95 (130.65 to 131.65): VU037524.D (-2238) (-)
 Ion 165.90 (165.60 to 166.60): VU037524.D (-2238) (-)





#48

2-Hexanone

Concen: 46.58 ug/L

RT: 8.71 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU037524.D

Acq: 01 Apr 2020 14:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

Tgt Ion: 43 Resp: 166312

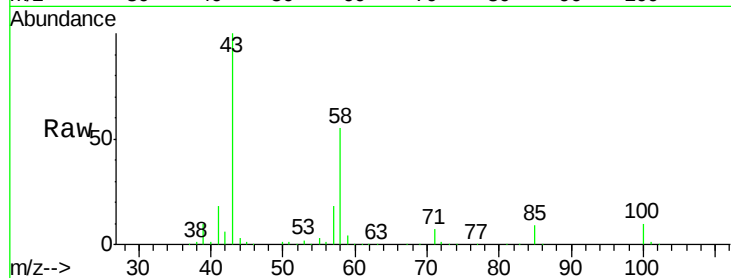
Ion Ratio Lower Upper

43 100

58 56.3 45.0 67.6

57 18.6 14.9 22.3

100 10.5 8.4 12.6

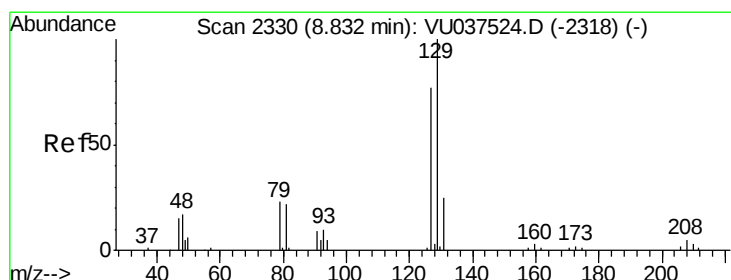
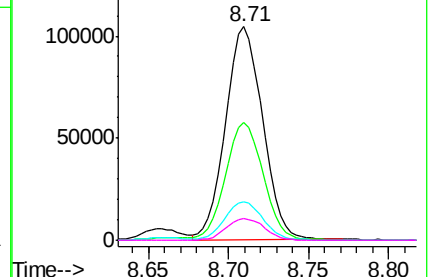
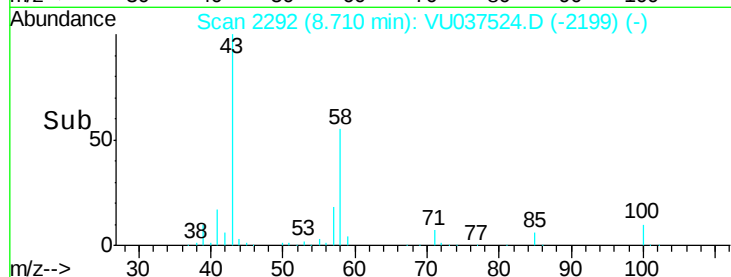


Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 4.79 ug/L

RT: 8.83 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU037524.D

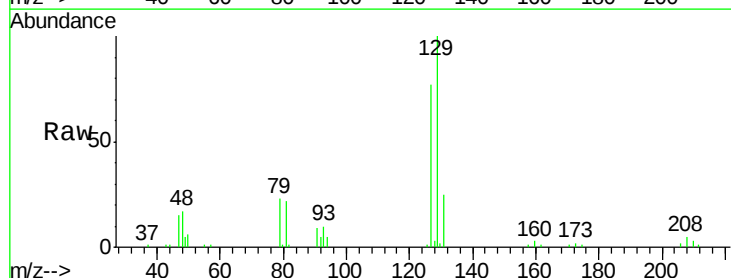
Acq: 01 Apr 2020 14:38

Tgt Ion: 129 Resp: 27828

Ion Ratio Lower Upper

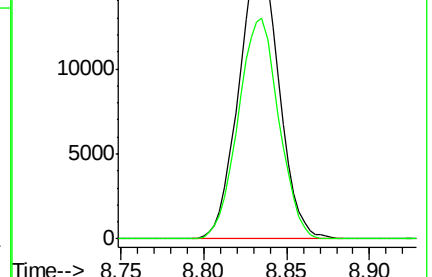
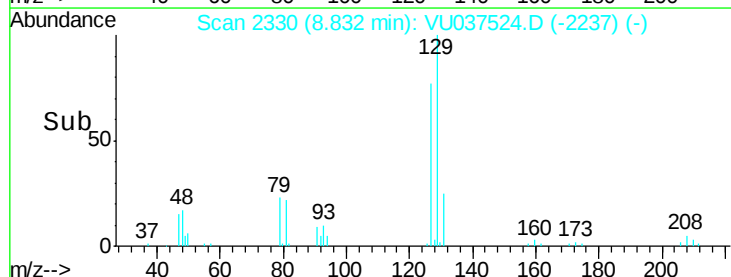
129 100

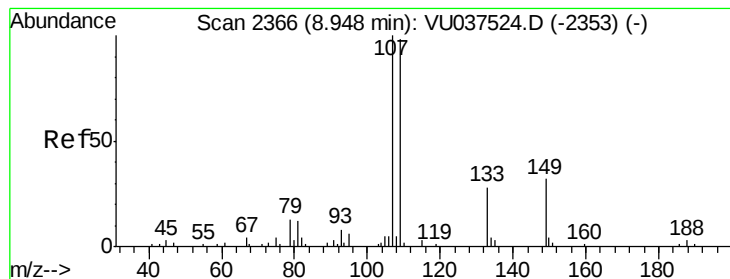
127 76.6 53.6 99.6



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

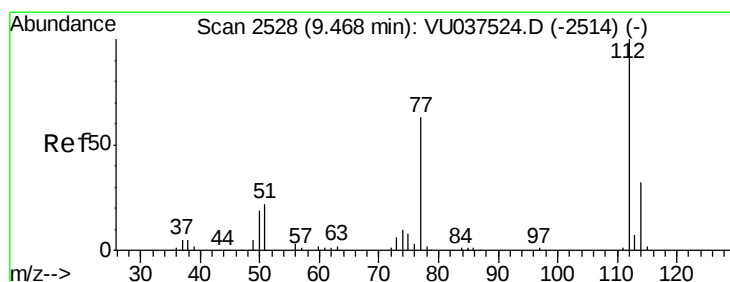
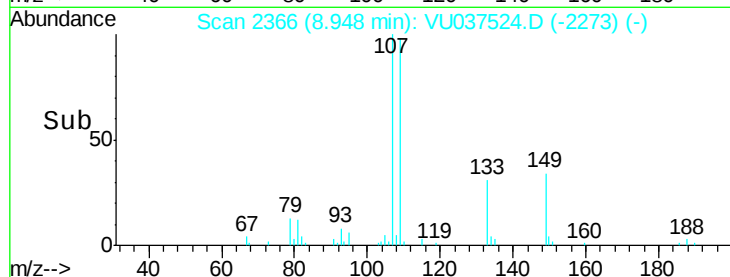
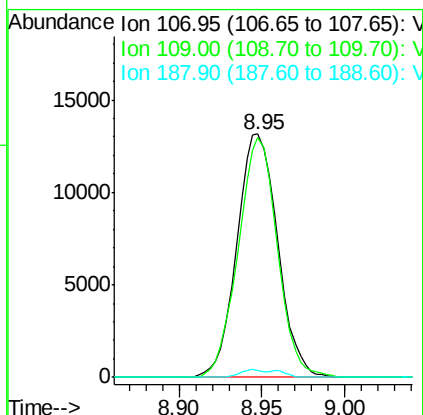
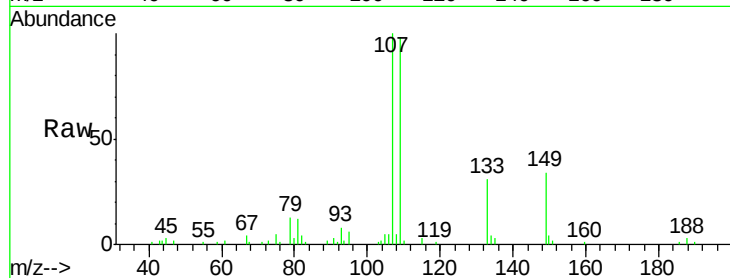




#50
1,2-Dibromoethane
Concen: 4.76 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU037524.D
Acq: 01 Apr 2020 14:38

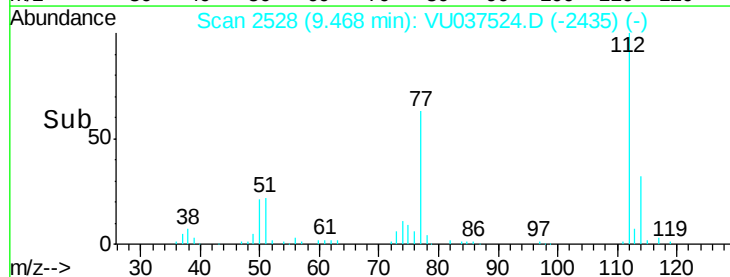
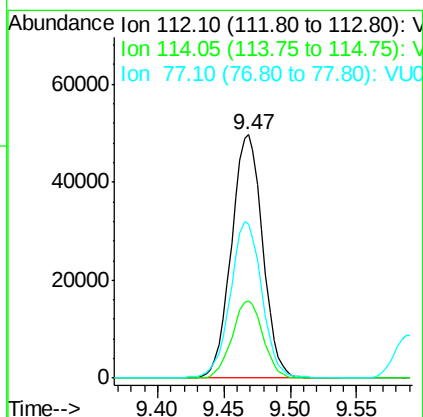
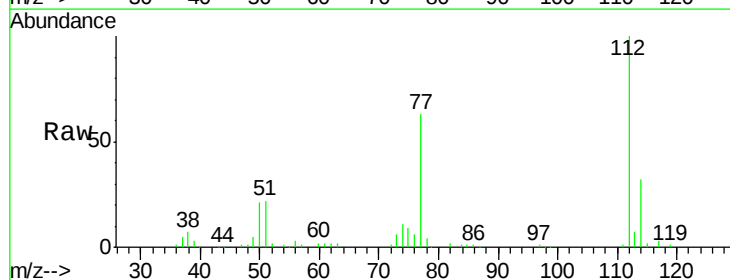
Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

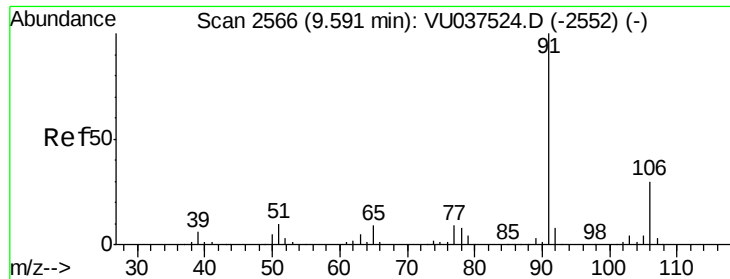
Tgt Ion:107 Resp: 22494
Ion Ratio Lower Upper
107 100
109 98.4 68.9 127.9
188 2.8 2.2 3.4



#51
Chlorobenzene
Concen: 4.90 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU037524.D
Acq: 01 Apr 2020 14:38

Tgt Ion:112 Resp: 81269
Ion Ratio Lower Upper
112 100
114 32.0 22.4 41.6
77 63.4 50.7 76.1





#52

Ethylbenzene

Concen: 4.87 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037524.D

Acq: 01 Apr 2020 14:38

Instrument :

MSVOA_U

ClientSampleId :

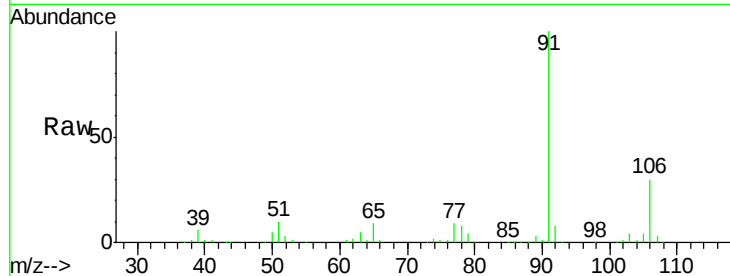
VSTD00506

Tgt Ion: 91 Resp: 150847

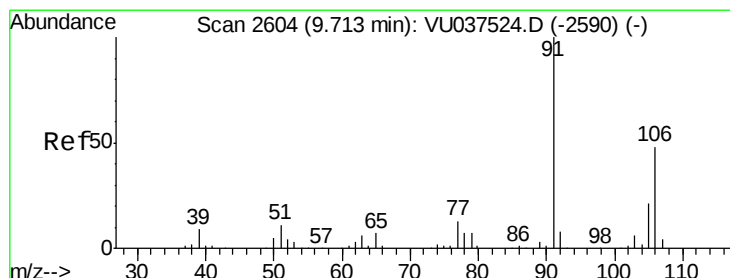
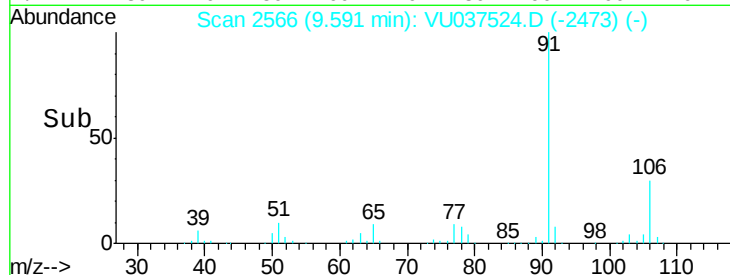
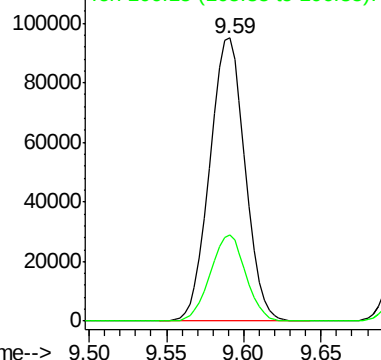
Ion Ratio Lower Upper

91 100

106 30.4 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VU037524.D (-2552) (-)



#53

m,p-Xylene

Concen: 4.87 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037524.D

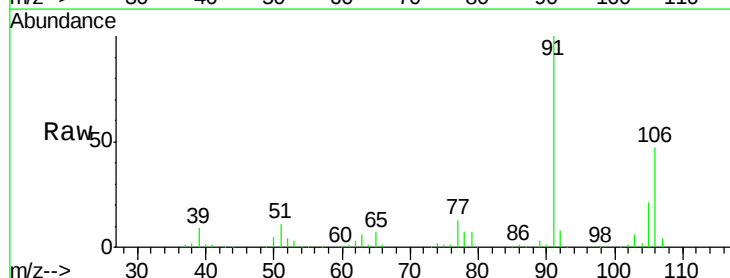
Acq: 01 Apr 2020 14:38

Tgt Ion: 106 Resp: 56077

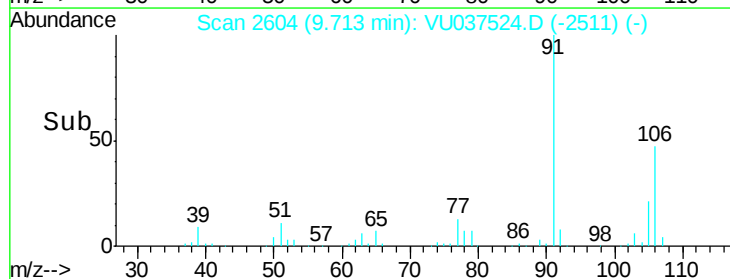
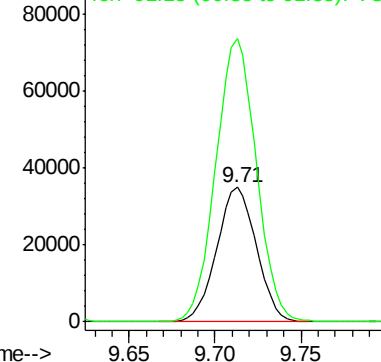
Ion Ratio Lower Upper

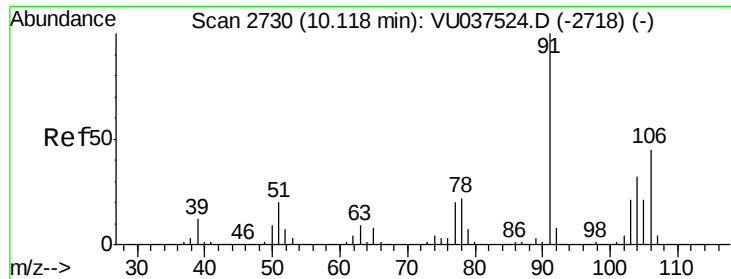
106 100

91 210.6 147.4 273.8



Abundance Ion 106.15 (105.85 to 106.85): VU037524.D (-2590) (-)

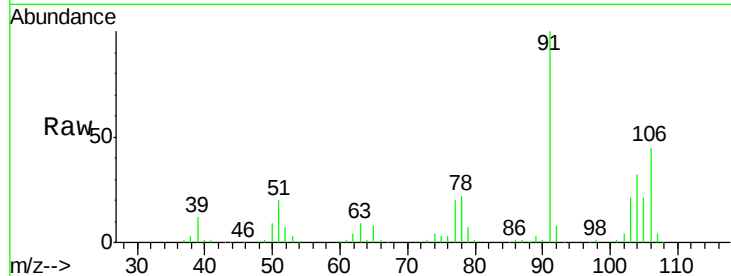




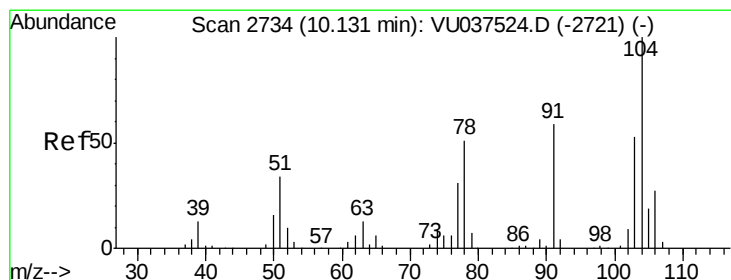
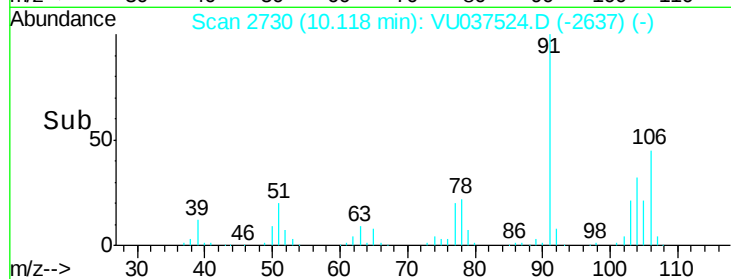
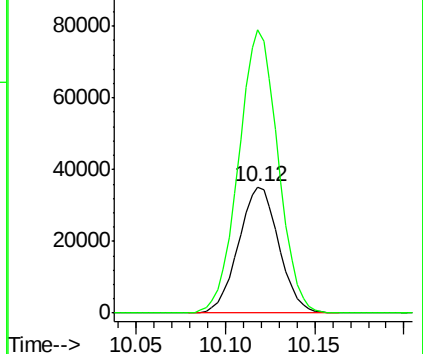
#54
o-Xylene
Concen: 5.04 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU037524.D
Acq: 01 Apr 2020 14:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

Tgt Ion:106 Resp: 55181
Ion Ratio Lower Upper
106 100
91 224.0 156.8 291.2

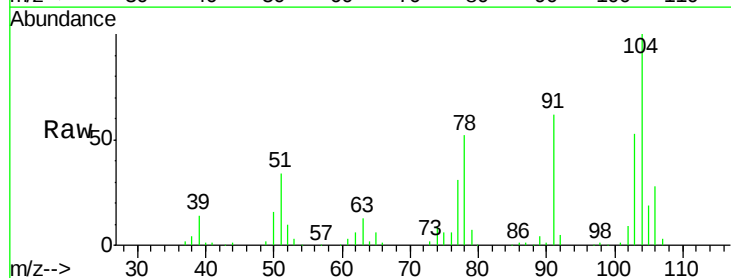


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

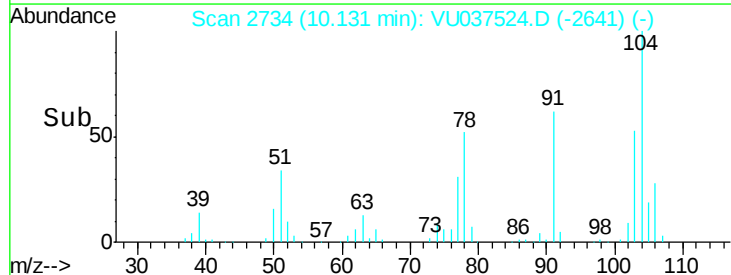
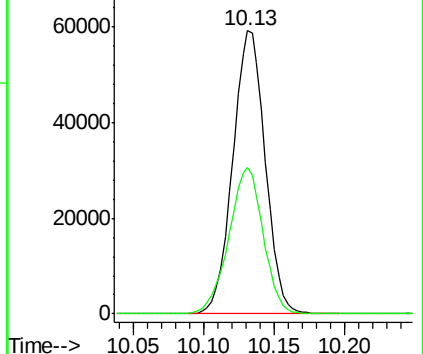


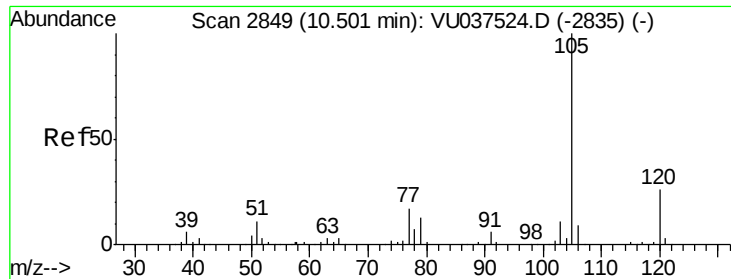
#55
Styrene
Concen: 5.00 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU037524.D
Acq: 01 Apr 2020 14:38

Tgt Ion:104 Resp: 95165
Ion Ratio Lower Upper
104 100
78 51.6 36.1 67.1



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





#56

Isopropylbenzene

Concen: 4.97 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037524.D

Acq: 01 Apr 2020 14:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

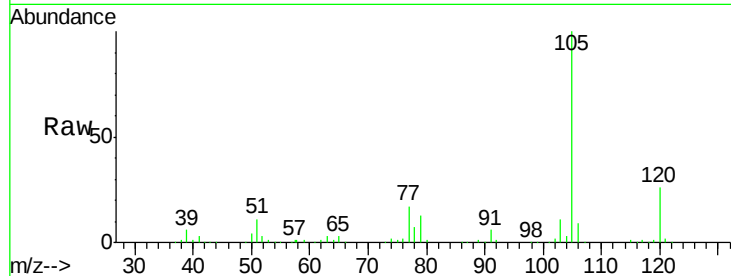
Tgt Ion: 105 Resp: 146862

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

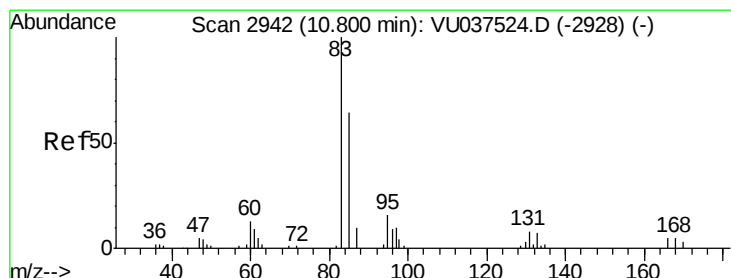
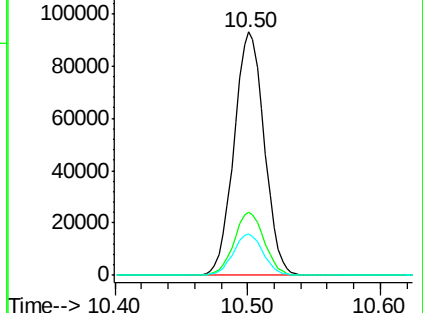
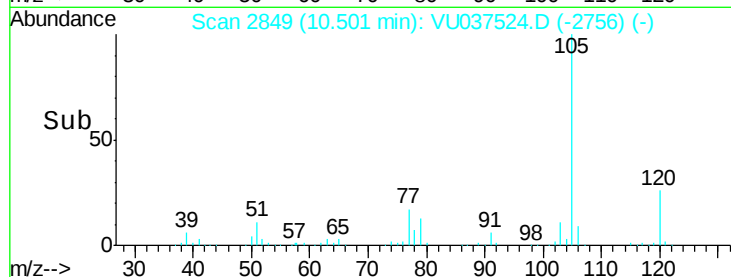
77 16.9 13.5 20.3



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: 4.81 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037524.D

Acq: 01 Apr 2020 14:38

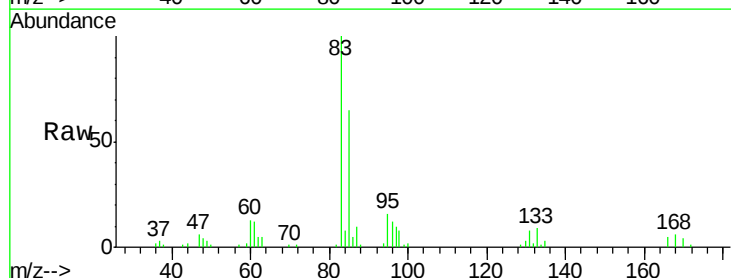
Tgt Ion: 83 Resp: 31061

Ion Ratio Lower Upper

83 100

85 64.6 45.2 84.0

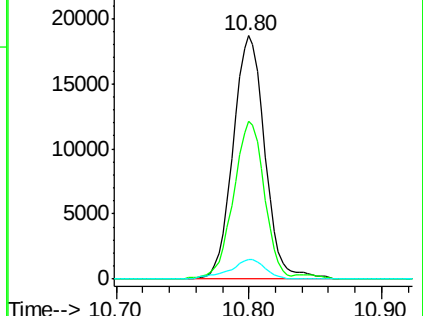
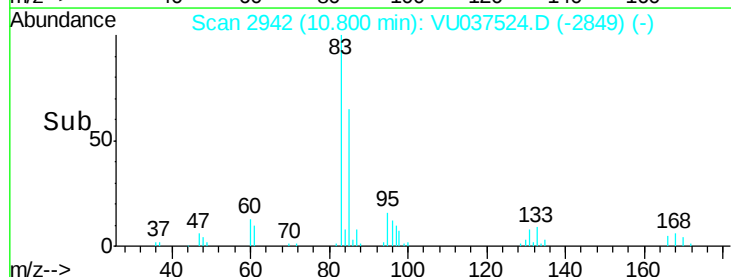
131 8.2 6.6 9.8

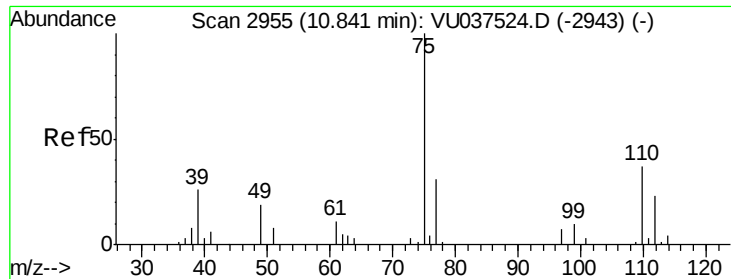


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

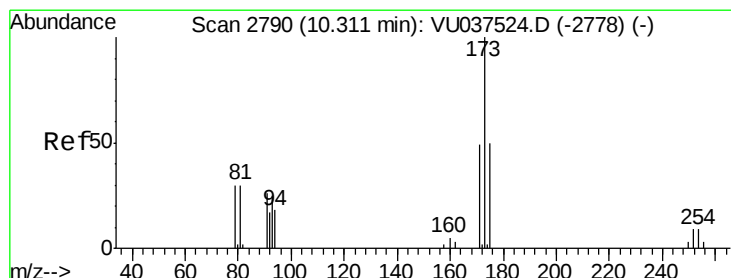
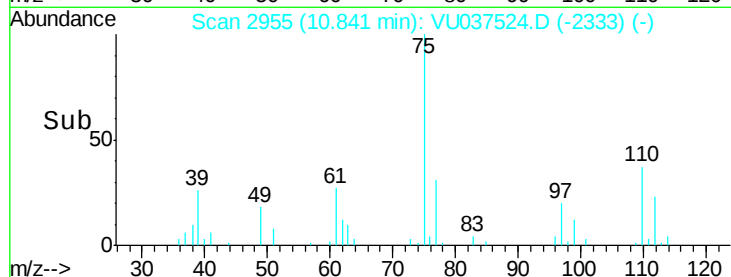
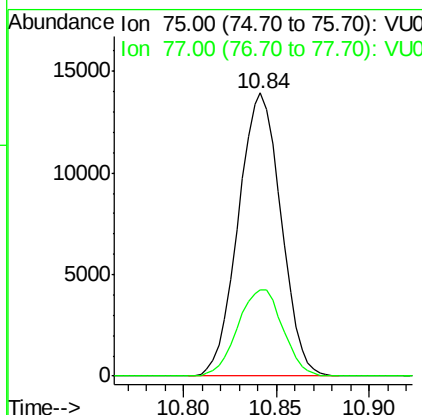
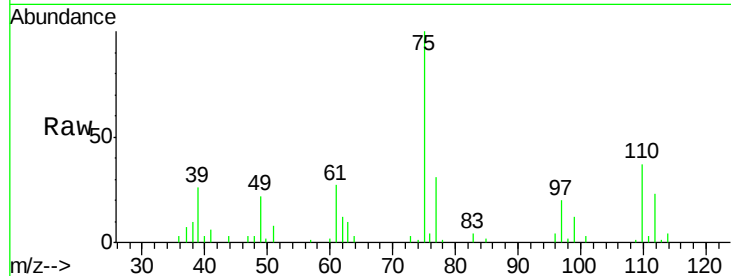




#59
 1,2,3-Trichloropropane
 Concen: 4.85 ug/L
 RT: 10.84 min Scan# 2955
 Delta R.T. 0.00 min
 Lab File: VU037524.D
 Acq: 01 Apr 2020 14:38

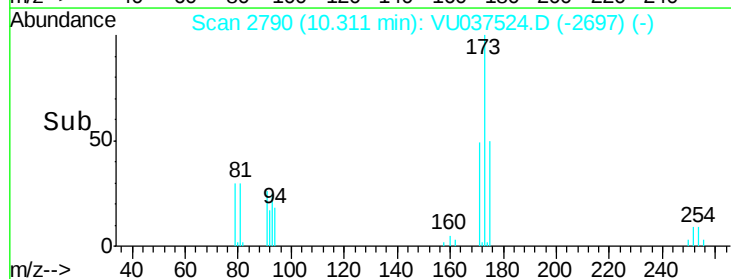
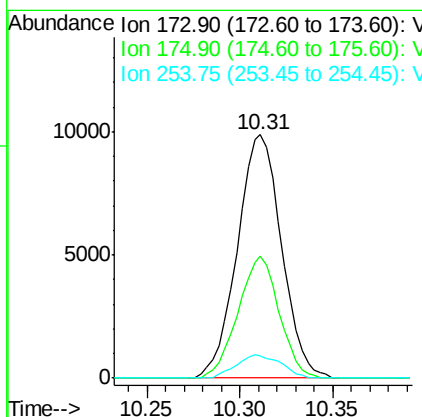
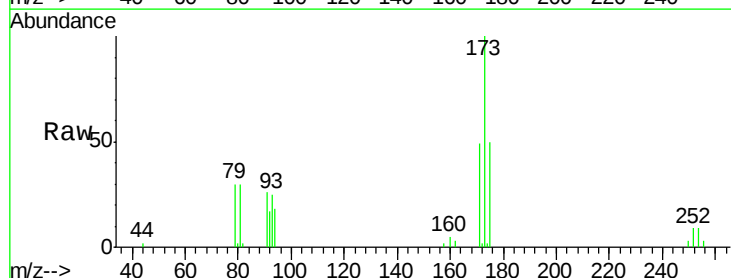
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

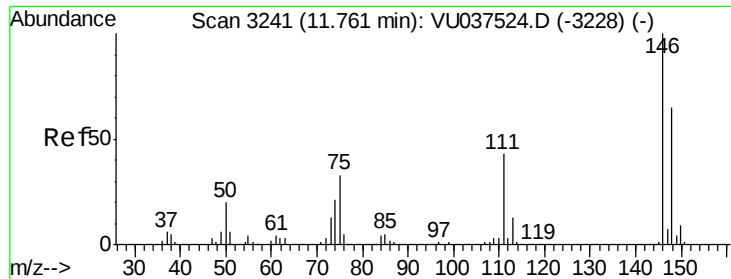
Tgt Ion: 75 Resp: 22288
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.8 38.6



#61
 Bromoform
 Concen: 4.70 ug/L
 RT: 10.31 min Scan# 2790
 Delta R.T. 0.00 min
 Lab File: VU037524.D
 Acq: 01 Apr 2020 14:38

Tgt Ion: 173 Resp: 16302
 Ion Ratio Lower Upper
 173 100
 175 46.5 37.2 55.8
 254 9.6 7.7 11.5





#62

1,3-Dichlorobenzene

Concen: 4.81 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU037524.D

Acq: 01 Apr 2020 14:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

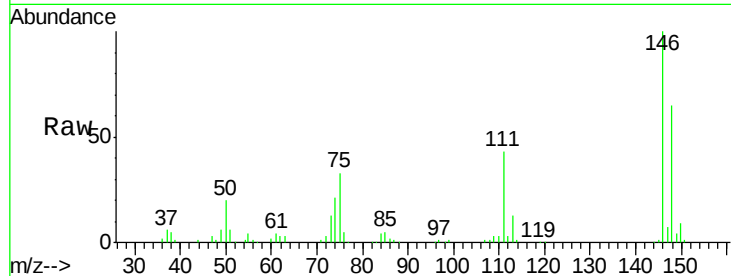
Tgt Ion:146 Resp: 66225

Ion Ratio Lower Upper

146 100

111 42.6 29.8 55.4

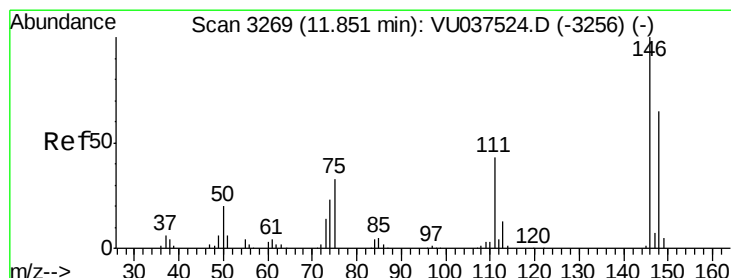
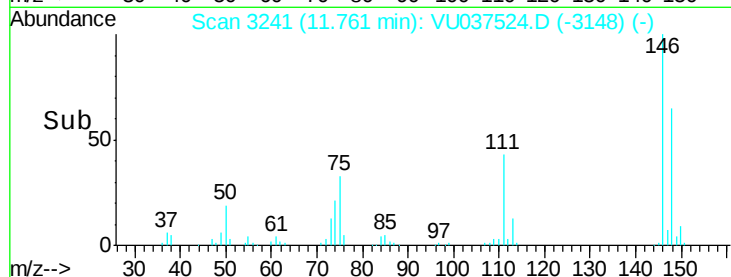
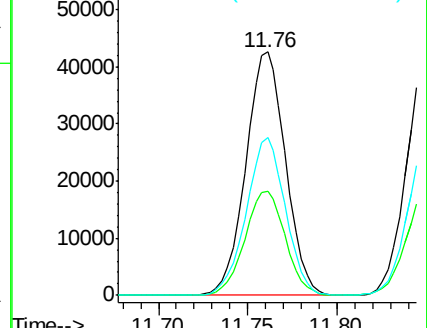
148 64.6 45.2 84.0



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: 4.72 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU037524.D

Acq: 01 Apr 2020 14:38

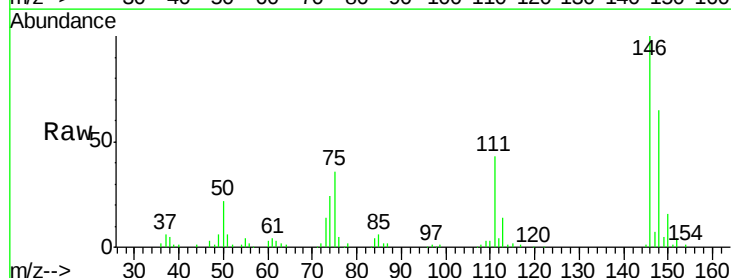
Tgt Ion:146 Resp: 65379

Ion Ratio Lower Upper

146 100

111 42.7 29.9 55.5

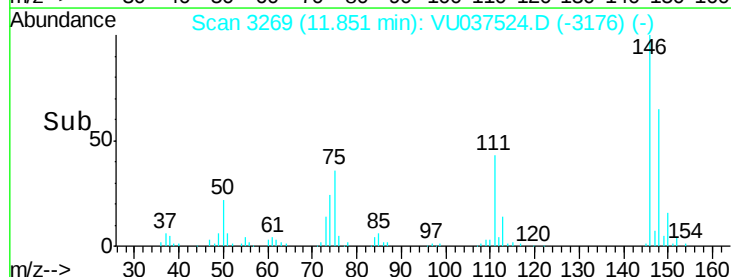
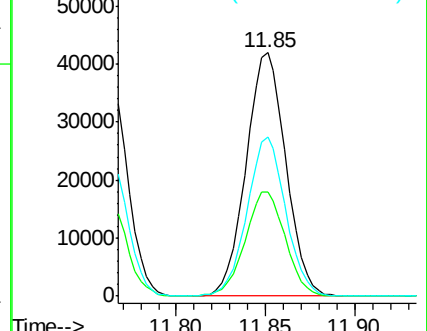
148 65.2 45.6 84.8

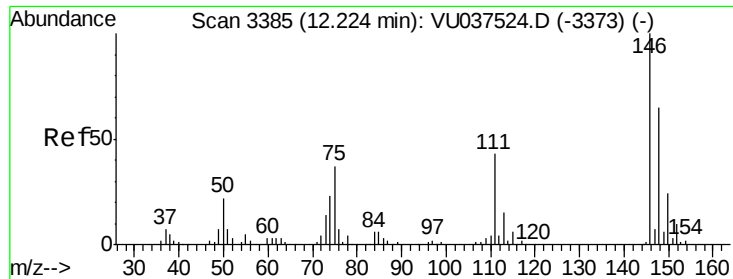


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.73 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU037524.D

Acq: 01 Apr 2020 14:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

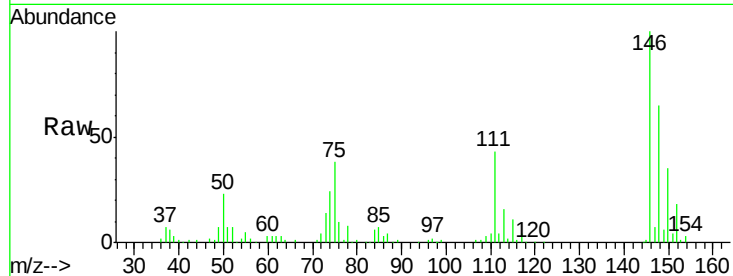
Tgt Ion:146 Resp: 60604

Ion Ratio Lower Upper

146 100

111 42.8 34.2 51.4

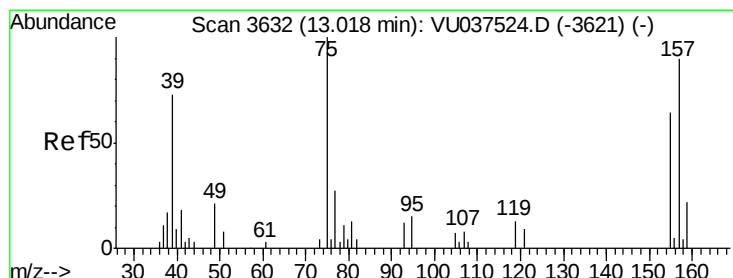
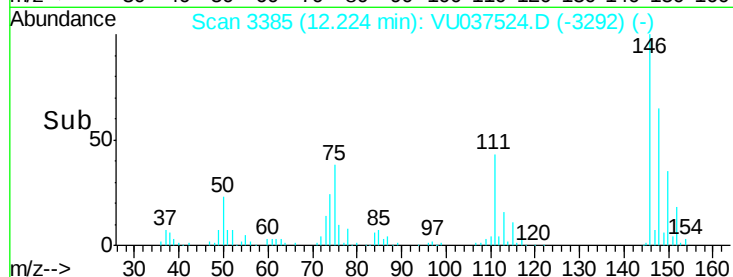
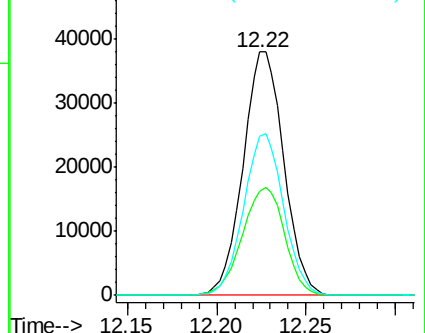
148 65.3 52.2 78.4



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: 4.42 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU037524.D

Acq: 01 Apr 2020 14:38

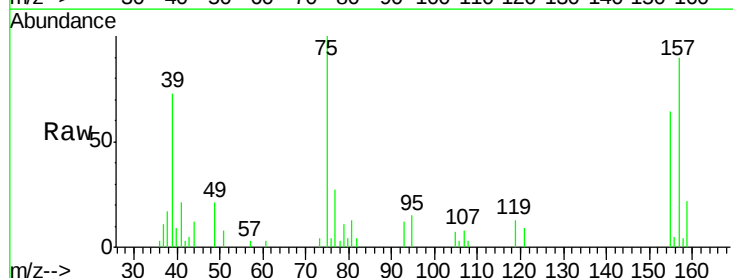
Tgt Ion: 75 Resp: 5841

Ion Ratio Lower Upper

75 100

155 63.7 51.0 76.4

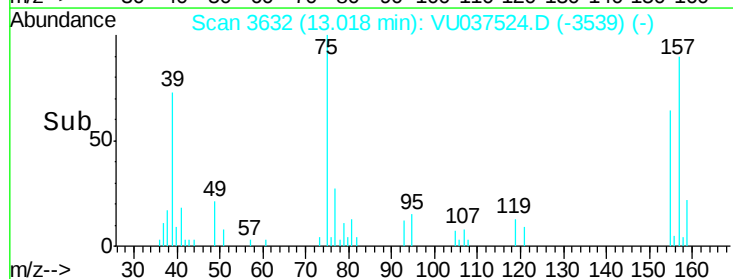
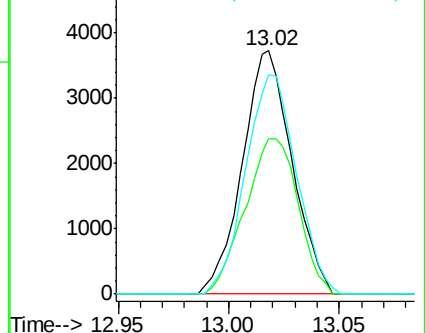
157 90.0 72.0 108.0

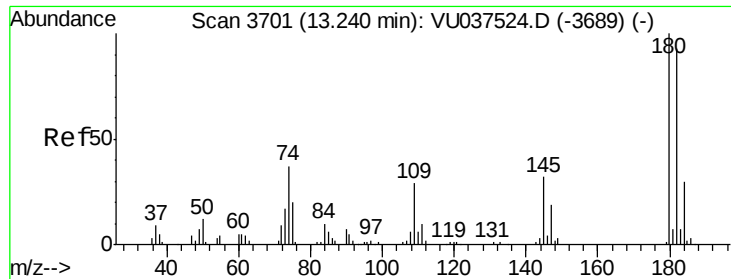


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

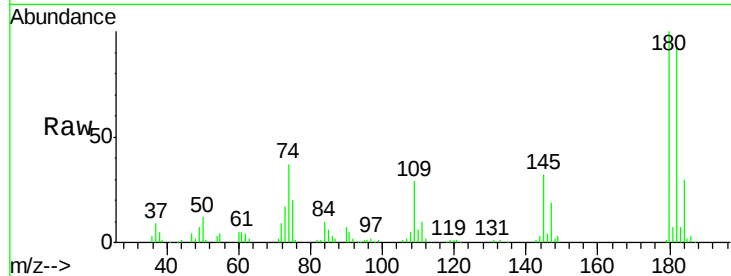




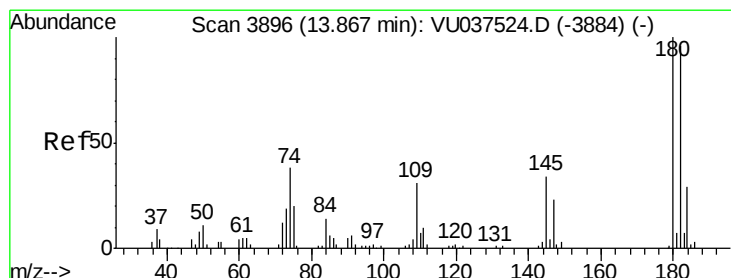
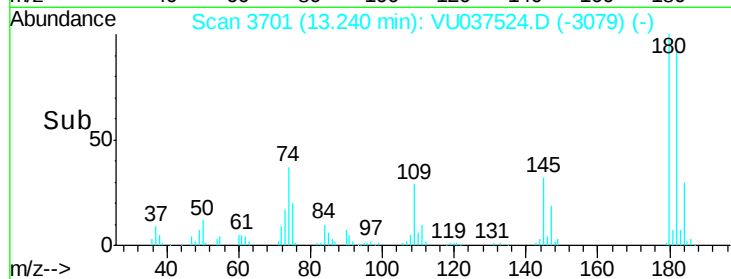
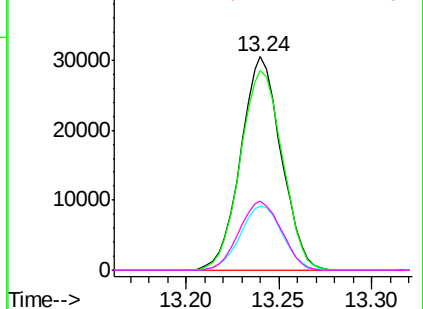
#67
 1,3,5-Trichlorobenzene
 Concen: 4.83 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037524.D
 Acq: 01 Apr 2020 14:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

Tgt Ion:180 Resp: 46238
 Ion Ratio Lower Upper
 180 100
 182 97.4 77.9 116.9
 184 31.3 25.0 37.6
 145 33.7 27.0 40.4

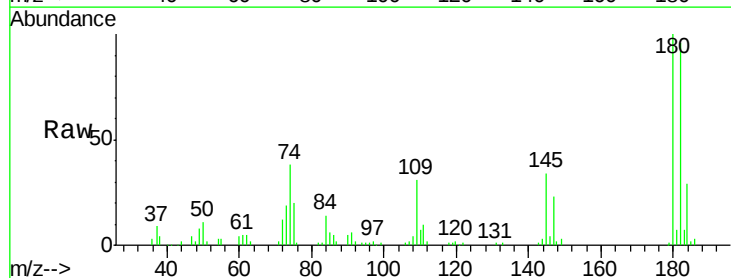


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

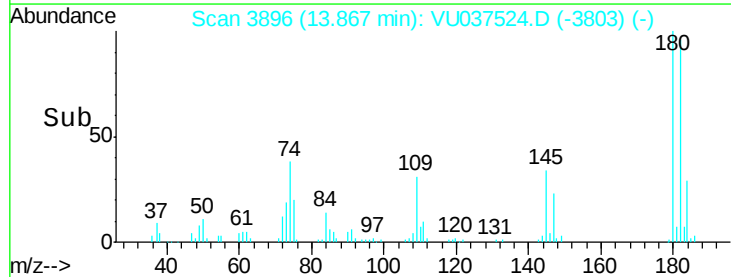
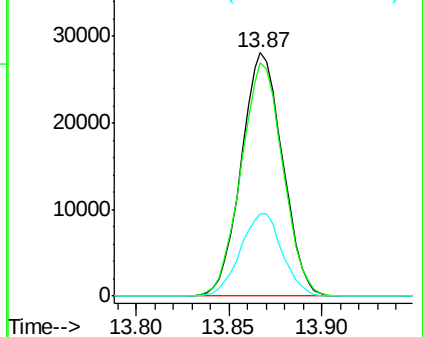


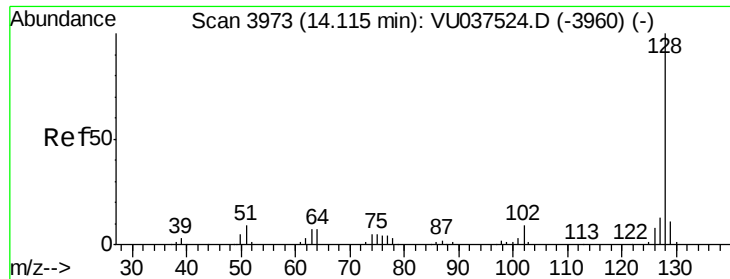
#68
 1,2,4-trichlorobenzene
 Concen: 4.69 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037524.D
 Acq: 01 Apr 2020 14:38

Tgt Ion:180 Resp: 43452
 Ion Ratio Lower Upper
 180 100
 182 96.8 77.4 116.2
 145 34.4 27.5 41.3



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: 4.52 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU037524.D

Acq: 01 Apr 2020 14:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

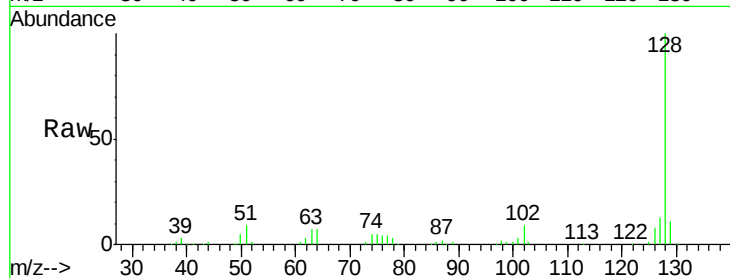
Tgt Ion:128 Resp: 94670

Ion Ratio Lower Upper

128 100

129 10.5 8.4 12.6

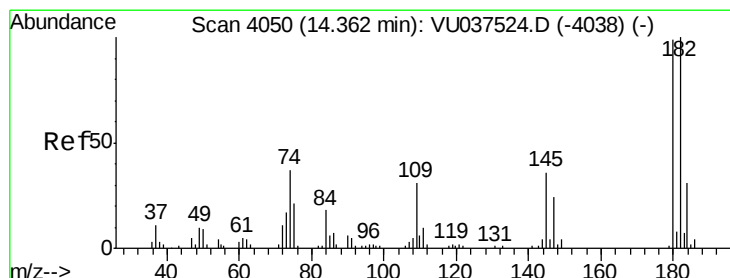
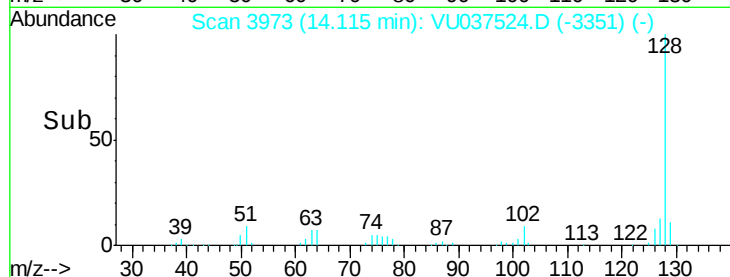
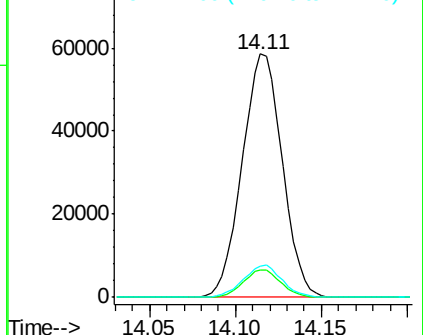
127 13.0 10.4 15.6



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: 4.69 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037524.D

Acq: 01 Apr 2020 14:38

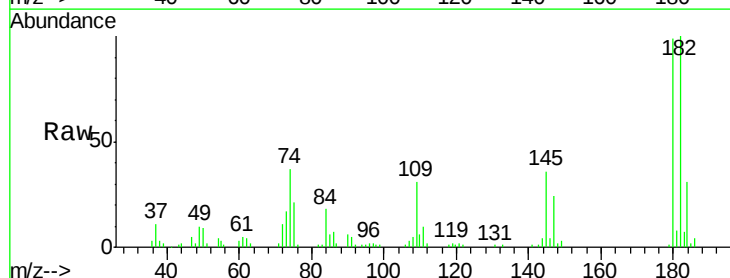
Tgt Ion:180 Resp: 38051

Ion Ratio Lower Upper

180 100

182 98.4 78.7 118.1

145 37.7 30.2 45.2



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

