

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041950.D
 Acq On : 12 Jan 2021 03:23
 Operator : SY/MD
 Sample : M1027-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXK7

Quant Time: Jan 12 07:32:55 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 05:50:11 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	106980	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	109706	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	41511	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	46001	5.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.00%
7) Chloroethane-d5	1.92	69	44936	5.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.60%
11) 1,1-Dichloroethene-d2	2.58	63	63757	3.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.60%
20) 2-Butanone-d5	4.65	46	140798	56.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.38%
24) Chloroform-d	5.08	84	82543	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.72	65	48128	5.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.00%
32) Benzene-d6	5.74	84	155469	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.70	67	52169	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.40%
41) Toluene-d8	7.90	98	139986	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	8.19	79	22898	5.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.80%
46) 2-Hexanone-d5	8.64	63	149456	69.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	139.02%#
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46544	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	44253	5.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.80%

Target Compounds

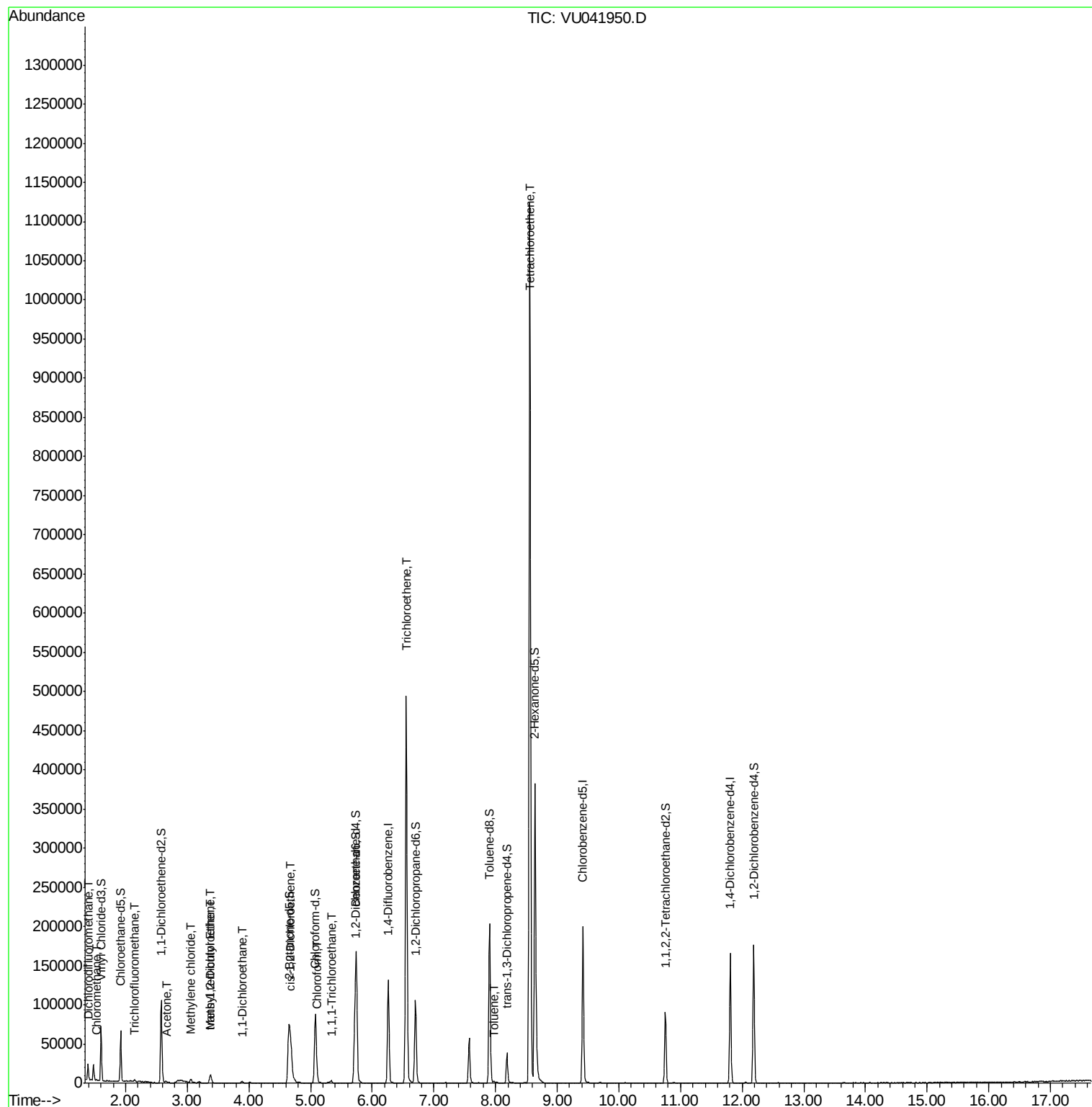
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	6096	0.589	ug/L	96
3) Chloromethane	1.52	50	873	0.078	ug/L	99
9) Trichlorofluoromethane	2.15	101	1345	0.085	ug/L	92
13) Acetone	2.66	43	3658	2.248	ug/L #	30
16) Methylene chloride	3.06	84	2070	0.197	ug/L	95
17) Methyl tert-butyl Ether	3.38	73	10924	0.545	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	689	0.085	ug/L	91
19) 1,1-Dichloroethane	3.89	63	2432	0.160	ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	11628	1.343	ug/L	98
25) Chloroform	5.11	83	3759	0.237	ug/L	96
29) 1,1,1-Trichloroethane	5.33	97	2597	0.181	ug/L	93
34) Trichloroethene	6.55	95	172538	18.590	ug/L	98
42) Toluene	7.98	91	1299	0.036	ug/L	85
47) Tetrachloroethene	8.56	164	240105	37.178	ug/L	97

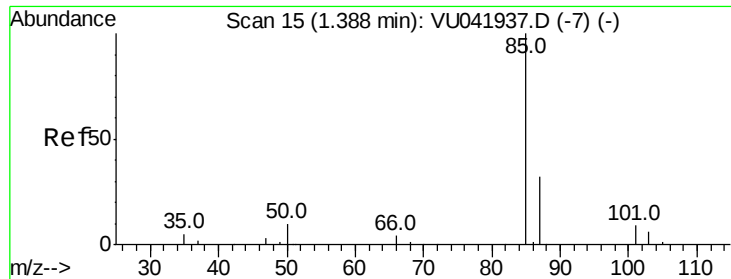
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jan 12 05:50:11 2021
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.589 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041950.D

Acq: 12 Jan 2021 03:23

Instrument :

MSVOA_U

ClientSampleId :

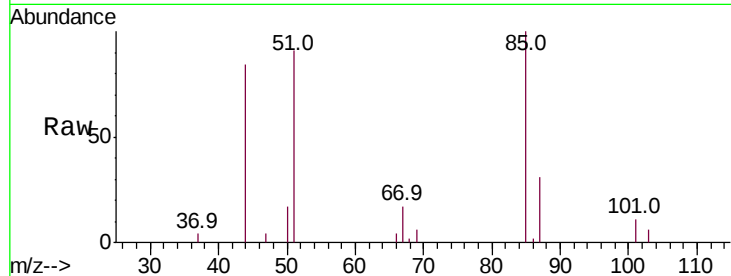
BFXK7

Tot Ion: 85 Resp: 6096

Ion Ratio Lower Upper

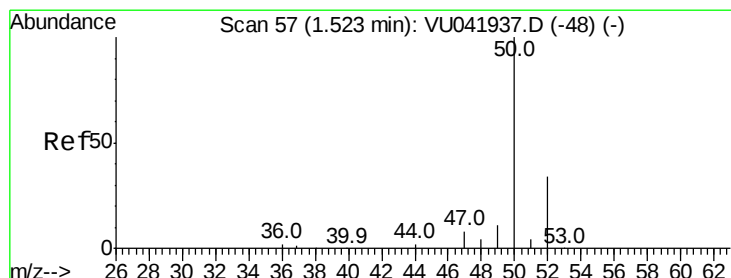
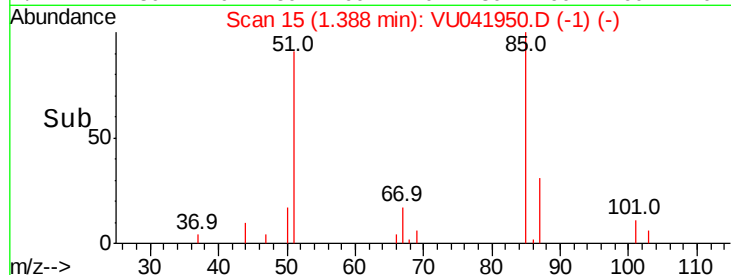
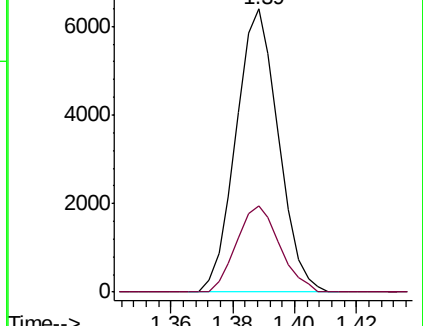
85 100

87 30.9 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU041937.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU041937.D (-7) (-)



#3

Chloromethane

Concen: 0.078 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041950.D

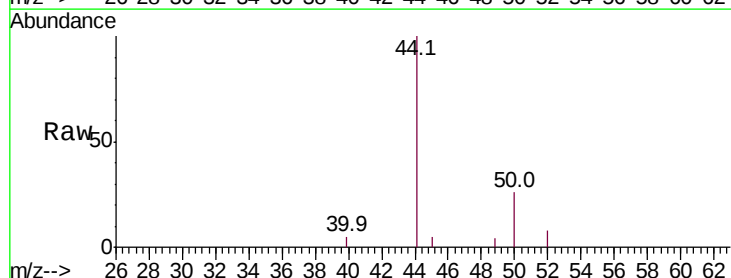
Acq: 12 Jan 2021 03:23

Tgt Ion: 50 Resp: 873

Ion Ratio Lower Upper

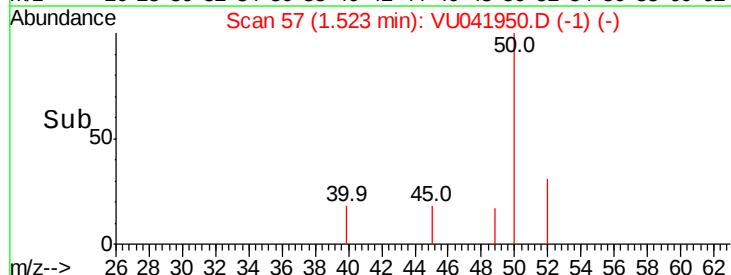
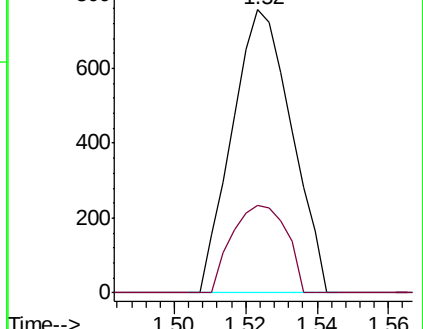
50 100

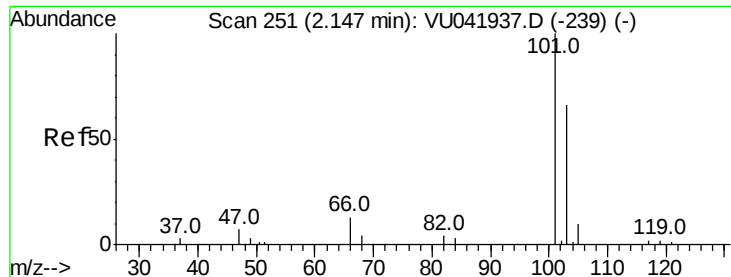
52 31.0 21.4 39.8



Abundance Ion 50.05 (49.75 to 50.75): VU041937.D (-48) (-)

Ion 52.05 (51.75 to 52.75): VU041937.D (-48) (-)





#9

Trichlorofluoromethane

Concen: 0.085 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU041950.D

Acq: 12 Jan 2021 03:23

Instrument :

MSVOA_U

ClientSampleId :

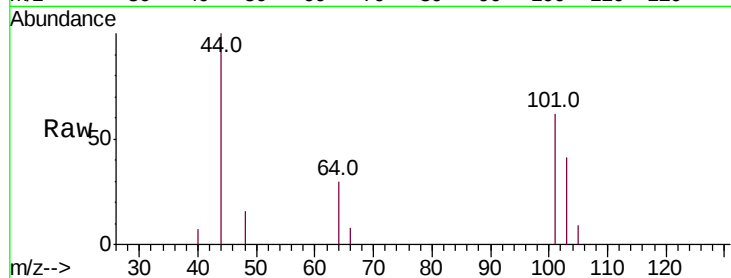
BFXK7

Tot Ion:101 Resp: 1345

Ion Ratio Lower Upper

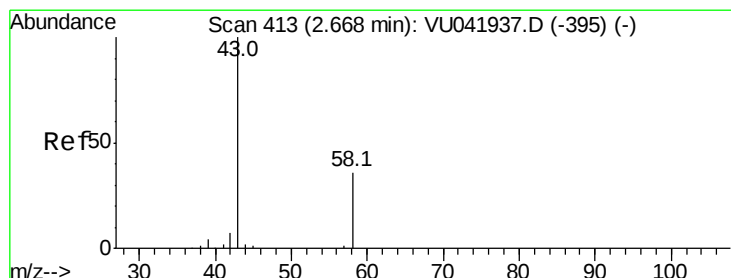
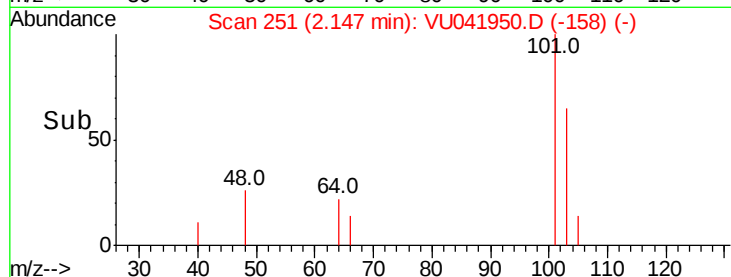
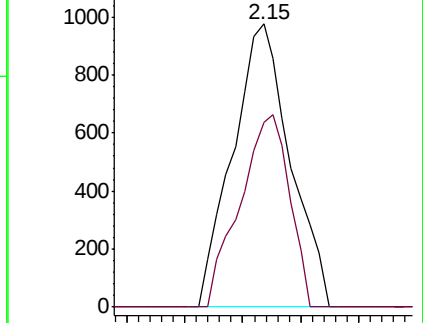
101 100

103 58.2 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Acetone

Concen: 2.248 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU041950.D

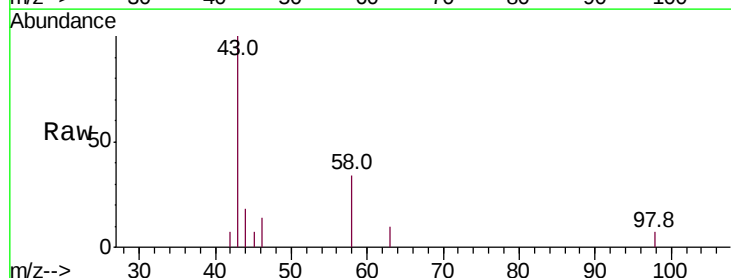
Acq: 12 Jan 2021 03:23

Tgt Ion: 43 Resp: 3658

Ion Ratio Lower Upper

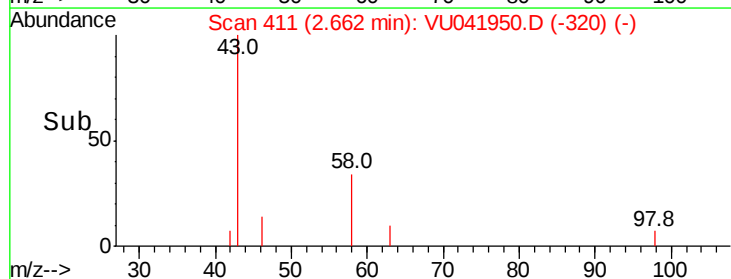
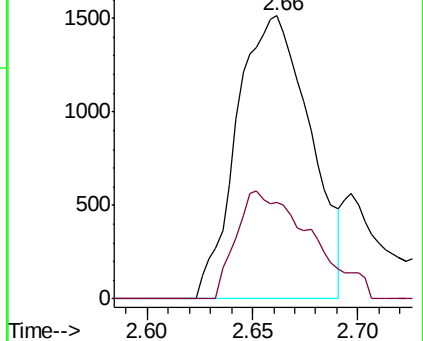
43 100

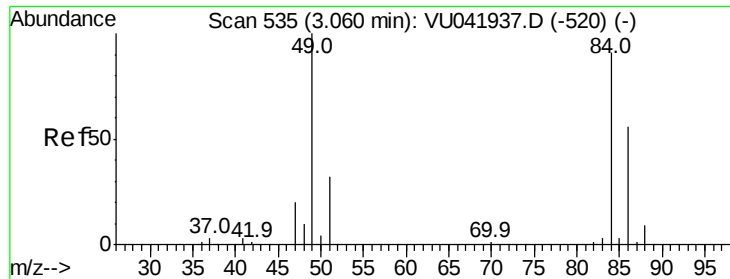
58 39.0 0.0 23.6#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

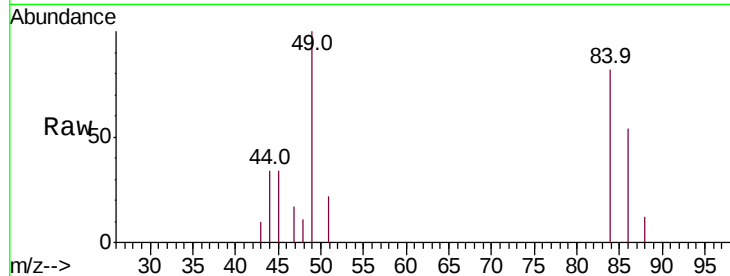




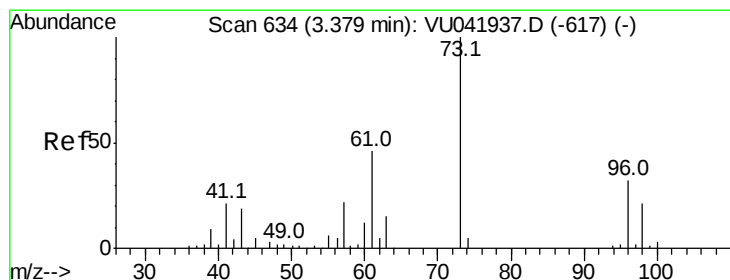
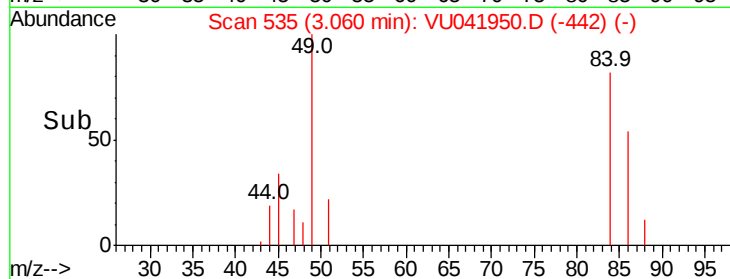
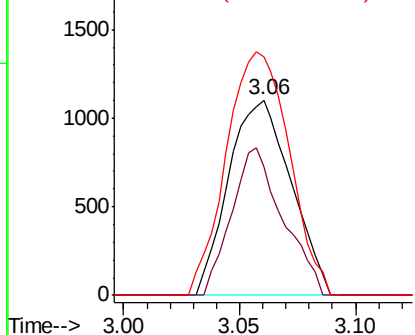
#16
Methvlene chloride
Concen: 0.197 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041950.D
Acq: 12 Jan 2021 03:23

Instrument :
MSVOA_U
ClientSampleId :
BFXK7

Tot Ion: 84 Resp: 2070
Ion Ratio Lower Upper
84 100
86 65.9 43.5 80.7
49 121.8 81.8 151.8

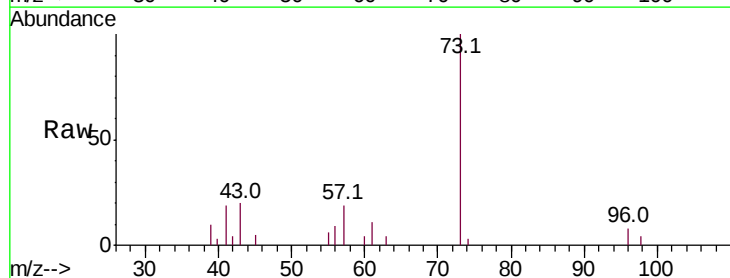


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

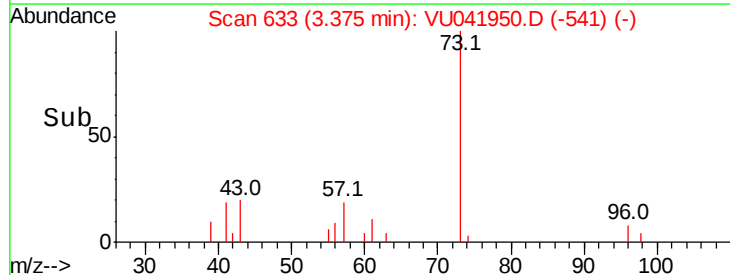
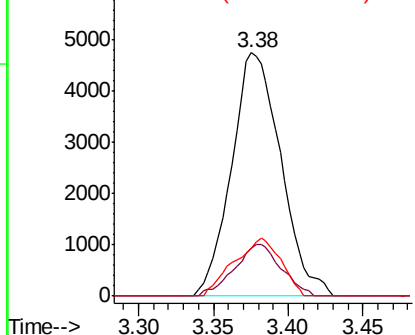


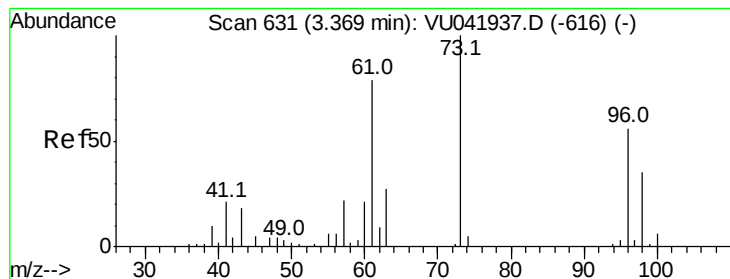
#17
Methyl tert-butyl Ether
Concen: 0.545 ug/L
RT: 3.38 min Scan# 633
Delta R.T. -0.00 min
Lab File: VU041950.D
Acq: 12 Jan 2021 03:23

Tgt Ion: 73 Resp: 10924
Ion Ratio Lower Upper
73 100
43 20.1 15.8 23.8
57 22.6 18.3 27.5



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





#18

trans-1,2-Dichloroethene

Concen: 0.085 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU041950.D

Acq: 12 Jan 2021 03:23

Instrument :

MSVOA_U

ClientSampleId :

BFXK7

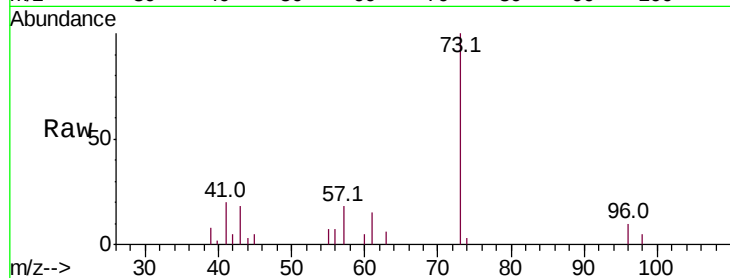
Tot Ion: 96 Resp: 689

Ion Ratio Lower Upper

96 100

61 150.2 100.7 187.1

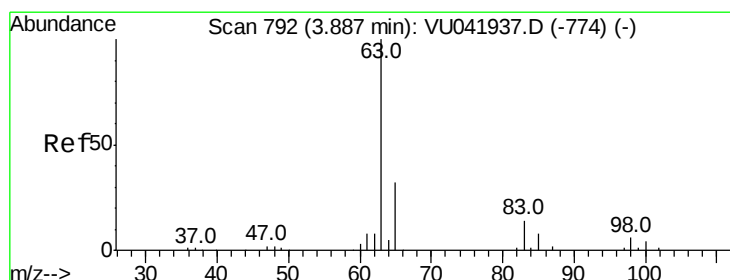
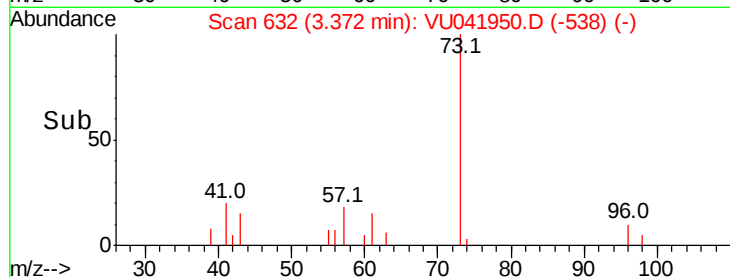
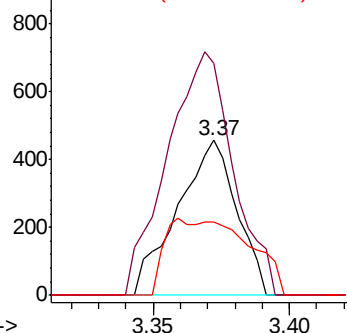
98 47.4 43.0 80.0



Abundance Ion 96.00 (95.70 to 96.70): VU041937.D (-616) (-)

Ion 61.05 (60.75 to 61.75): VU041937.D (-616) (-)

Ion 97.95 (97.65 to 98.65): VU041937.D (-616) (-)



#19

1,1-Dichloroethane

Concen: 0.160 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU041950.D

Acq: 12 Jan 2021 03:23

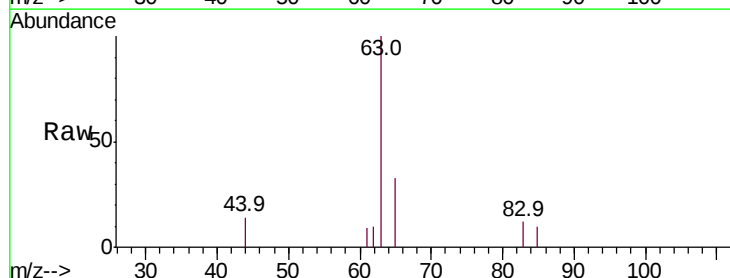
Tgt Ion: 63 Resp: 2432

Ion Ratio Lower Upper

63 100

65 32.5 22.3 41.5

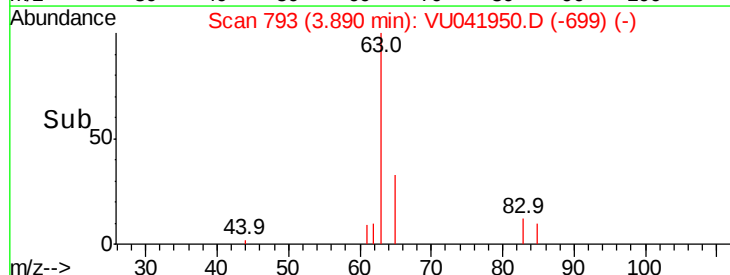
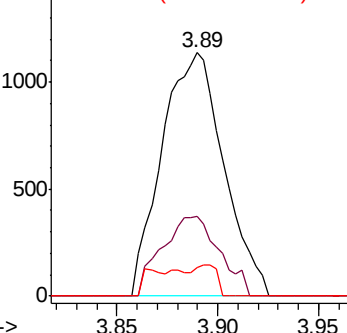
83 11.5 9.0 16.8

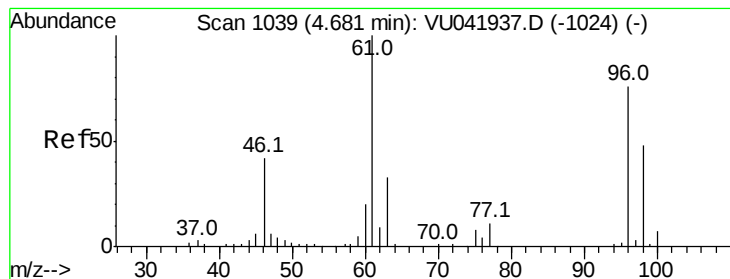


Abundance Ion 63.10 (62.80 to 63.80): VU041937.D (-774) (-)

Ion 65.10 (64.80 to 65.80): VU041937.D (-774) (-)

Ion 83.05 (82.75 to 83.75): VU041937.D (-774) (-)





#22

cis-1,2-Dichloroethene

Concen: 1.343 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041950.D

Acq: 12 Jan 2021 03:23

Instrument :

MSVOA_U

ClientSampleId :

BFXK7

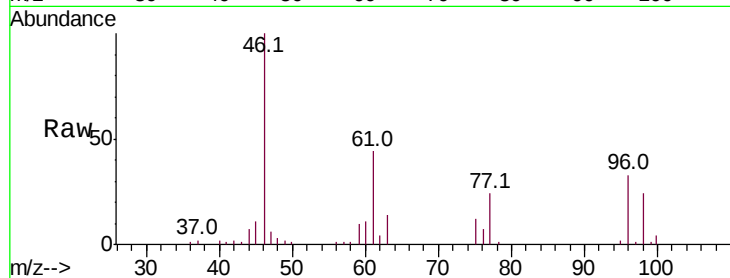
Tot Ion: 96 Resp: 11628

Ion Ratio Lower Upper

96 100

61 131.7 90.3 167.7

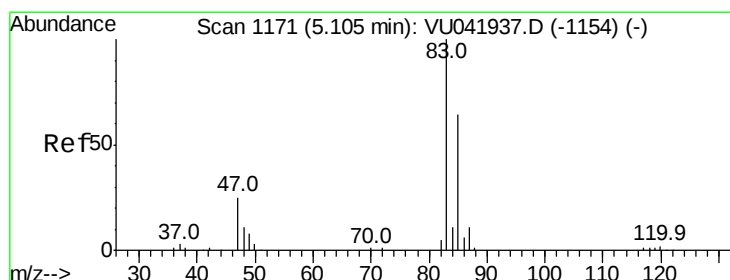
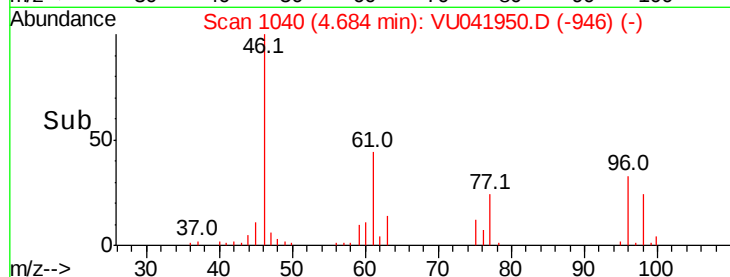
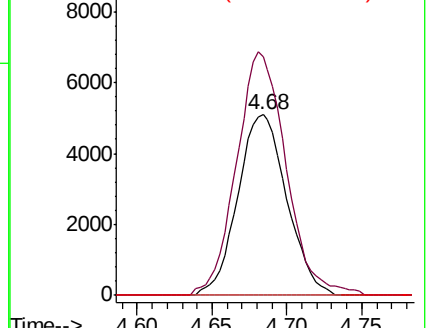
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041937.D (-1024) (-)

Ion 61.05 (60.75 to 61.75): VU041937.D (-1024) (-)

Ion 68.15 (67.85 to 68.85): VU041937.D (-1024) (-)



#25

Chloroform

Concen: 0.237 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU041950.D

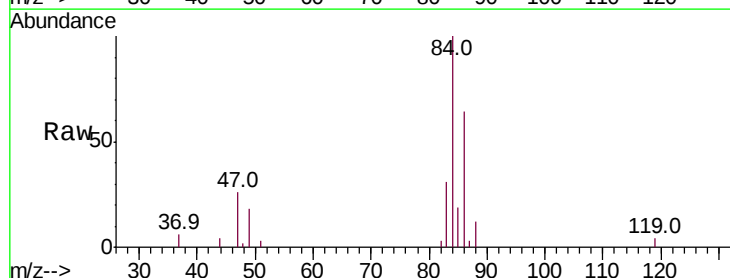
Acq: 12 Jan 2021 03:23

Tgt Ion: 83 Resp: 3759

Ion Ratio Lower Upper

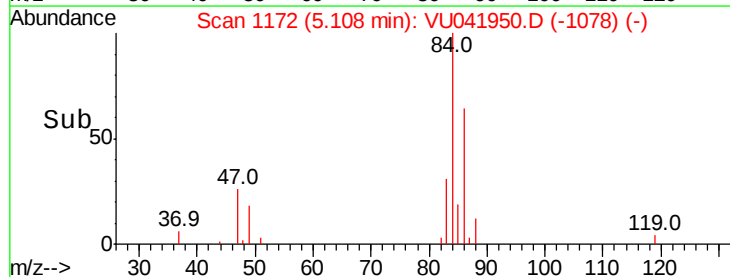
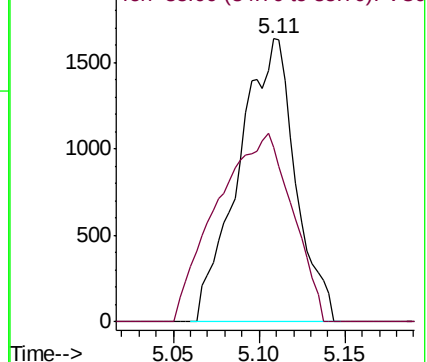
83 100

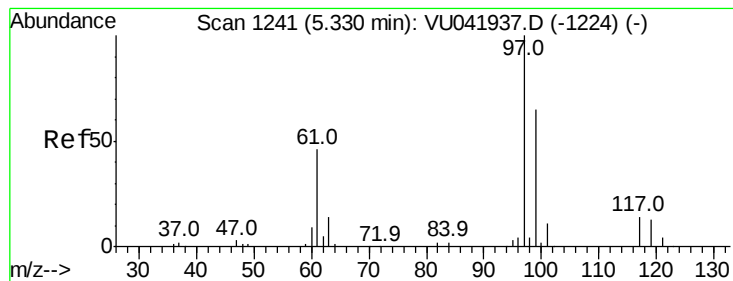
85 61.7 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VU041937.D (-1154) (-)

Ion 85.00 (84.70 to 85.70): VU041937.D (-1154) (-)





#29

1,1,1-Trichloroethane

Concen: 0.181 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VU041950.D

Acq: 12 Jan 2021 03:23

Instrument :

MSVOA_U

ClientSampled :

BFXK7

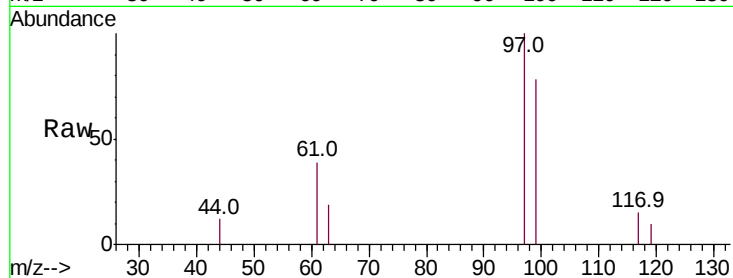
Tot Ion: 97 Resp: 2597

Ion Ratio Lower Upper

97 100

99 73.2 51.4 77.2

61 43.2 35.3 52.9

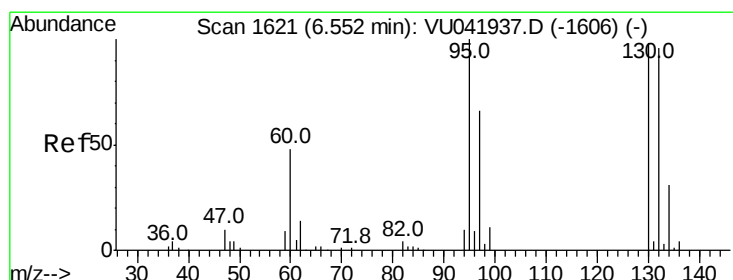
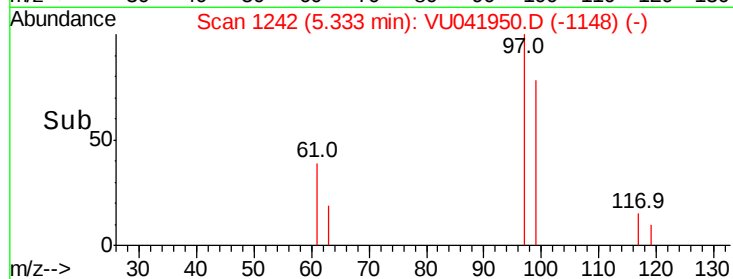
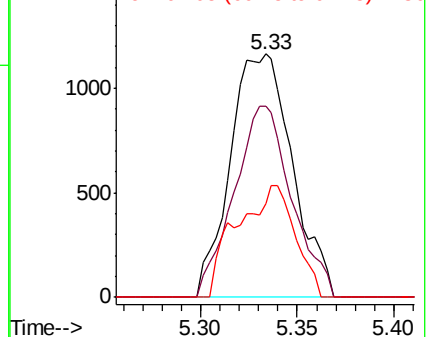


Abundance

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



#34

Trichloroethene

Concen: 18.590 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041950.D

Acq: 12 Jan 2021 03:23

Tgt Ion: 95 Resp: 172538

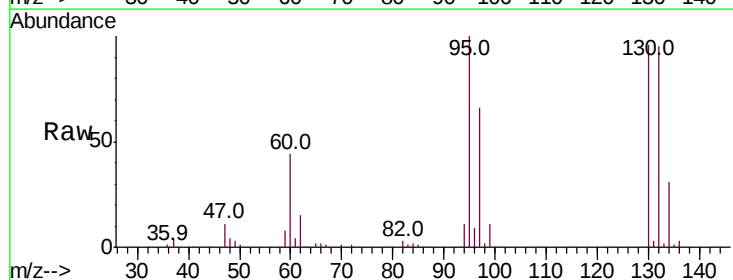
Ion Ratio Lower Upper

95 100

97 66.3 45.2 84.0

132 95.5 68.7 127.5

130 96.0 68.0 126.4



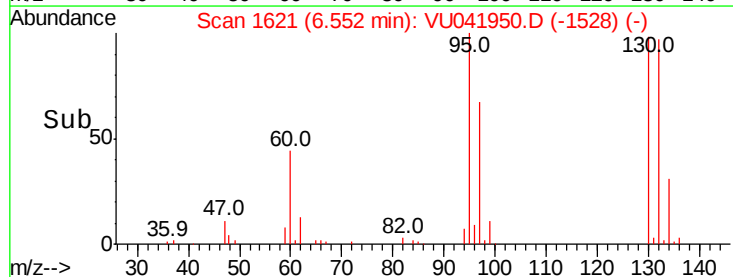
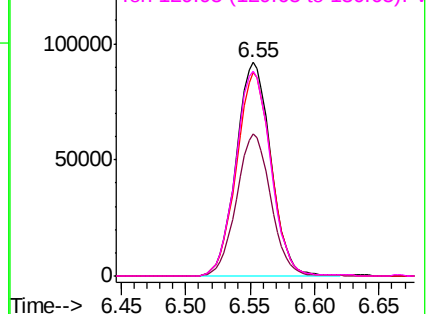
Abundance

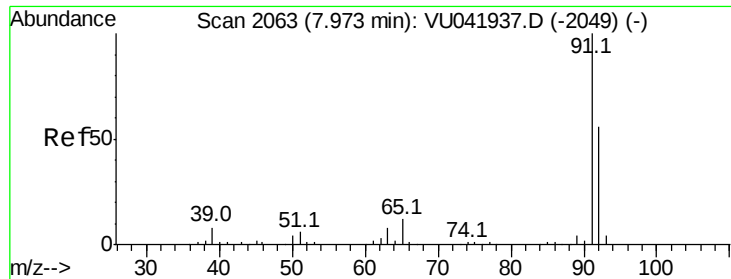
Ion 95.00 (94.70 to 95.70): VU0

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





#42

Toluene

Concen: 0.036 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041950.D

Acq: 12 Jan 2021 03:23

Instrument :

MSVOA_U

ClientSampled :

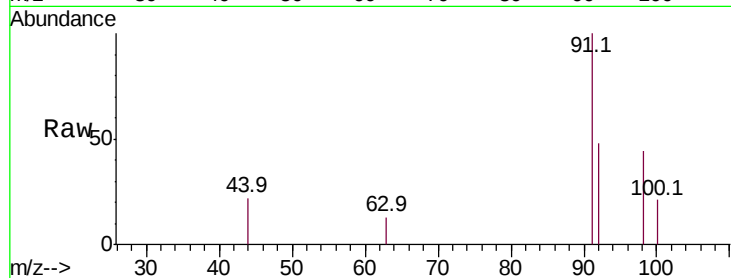
BFXK7

Tot Ion: 91 Resp: 1299

Ion Ratio Lower Upper

91 100

92 47.8 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VU041937.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU041937.D (-2049) (-)

7.98

800

600

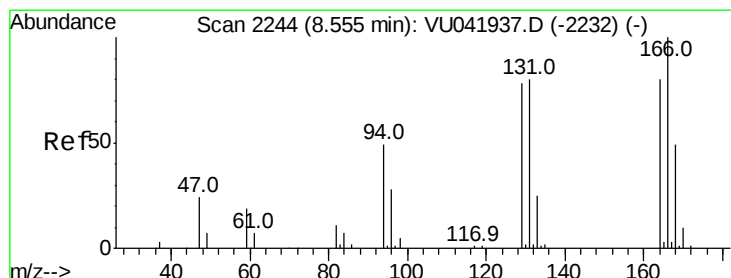
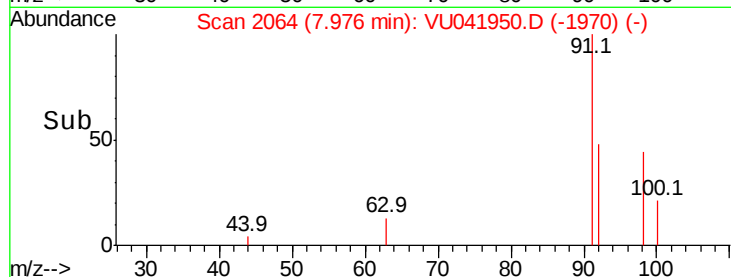
400

200

0

7.94 7.96 7.98 8.00 8.02

Time-->



#47

Tetrachloroethene

Concen: 37.178 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041950.D

Acq: 12 Jan 2021 03:23

Tgt Ion: 164 Resp: 240105

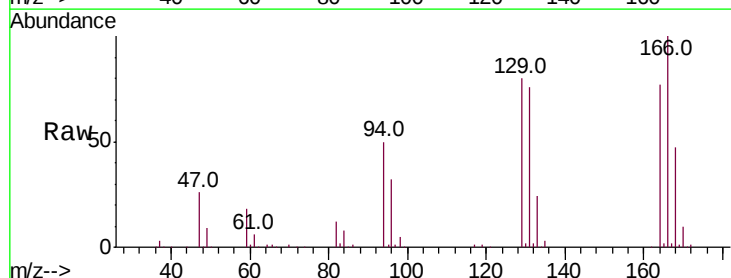
Ion Ratio Lower Upper

164 100

129 103.6 69.2 128.6

131 98.2 69.7 129.5

166 129.4 89.2 165.8



Abundance Ion 163.90 (163.60 to 164.60): VU041937.D (-2232) (-)

Ion 128.95 (128.65 to 129.65): VU041937.D (-2232) (-)

Ion 130.95 (130.65 to 131.65): VU041937.D (-2232) (-)

Ion 165.90 (165.60 to 166.60): VU041937.D (-2232) (-)

250000

200000

150000

100000

50000

0

8.45 8.50 8.55 8.60 8.65

Time-->

