

Data File : VU035925.D
Acq On : 29 Nov 2019 16:10
Operator : JC/SP
Sample : K6056-07DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFE14DL

Quant Time: Nov 30 03:25:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 30 03:20:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	230441	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	270632	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	99685	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	128226	4.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.20%
7) Chloroethane-d5	1.93	69	129257	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	2.60	63	245127	4.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.60%
20) 2-Butanone-d5	4.70	46	364562	52.33	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.66%
24) Chloroform-d	5.11	84	233859	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.75	65	133714	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.77	84	443655	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.00%
36) 1,2-Dichloropropane-d6	6.73	67	158025	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.80%
41) Toluene-d8	7.93	98	344340	3.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.20%
43) trans-1,3-Dichloropropene-	8.22	79	52846	3.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.00%
46) 2-Hexanone-d5	8.68	63	271155	49.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.66%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	134810	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	110608	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	17134	0.675	ug/L	93
12) 1,1-Dichloroethene	2.61	96	148448	6.191	ug/L	84
13) Acetone	2.68	43	13870	2.267	ug/L	91
16) Methylene chloride	3.08	84	4784	0.165	ug/L	81
17) Methyl tert-butyl Ether	3.42	73	8878	0.153	ug/L #	90
19) 1,1-Dichloroethane	3.92	63	164120	3.094	ug/L	97
22) cis-1,2-Dichloroethene	4.72	96	25650	0.975	ug/L	98
25) Chloroform	5.13	83	9024	0.175	ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	67619	1.547	ug/L	97
31) Carbon tetrachloride	5.36	117	8718	0.230	ug/L	98
34) Trichloroethene	6.58	95	209723	7.572	ug/L	98
35) Methylcyclohexane	6.73	83	34996	0.861	ug/L #	14
37) 1,2-Dichloropropane	6.73	63	17446	0.545	ug/L #	90
47) Tetrachloroethene	8.58	164	66125	3.137	ug/L	98
48) 2-Hexanone	8.68	43	33575	2.318	ug/L #	71
49) Dibromochloromethane	8.58	129	64592	2.622	ug/L #	12
59) 1,2,3-Trichloropropane	11.83	75	12825	0.616	ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112919\
Quantitation Report (Not Reviewed)

Data File : VU035925.D
Acq On : 29 Nov 2019 16:10
Operator : JC/SP
Sample : K6056-07DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFE14DL

Quant Time: Nov 30 03:25:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 30 03:20:00 2019
Response via : Initial Calibration

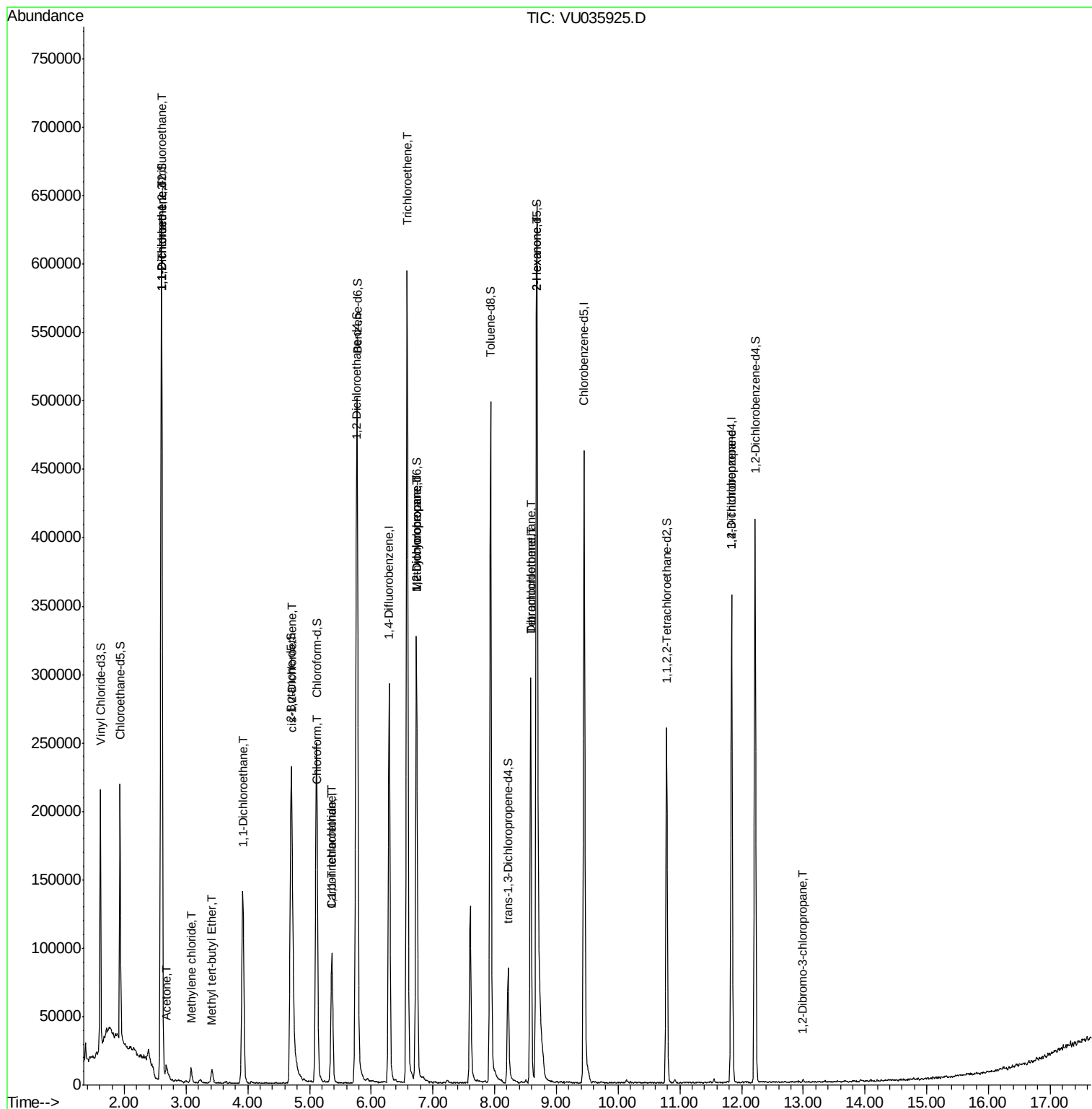
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dibromo-3-chloropropan	13.00	75	381	0.135	ug/L #	10

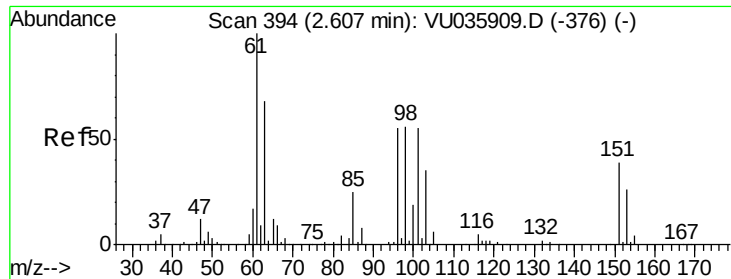
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU035925.D
Acq On : 29 Nov 2019 16:10
Operator : JC/SP
Sample : K6056-07DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFE14DL

Quant Time: Nov 30 03:25:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 30 03:20:00 2019
Response via : Initial Calibration





#10

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

Concen: 0.675 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU035925.D

Acq: 29 Nov 2019 16:10

Instrument :

MSVOA_U

ClientSampleId :

BFE14DL

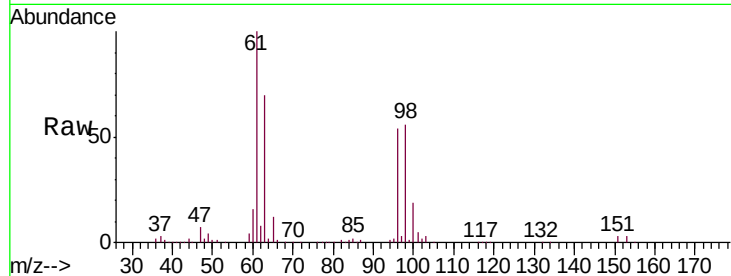
Tgt Ion:101 Resp: 17134

Ion Ratio Lower Upper

101 100

85 38.5 38.1 57.1

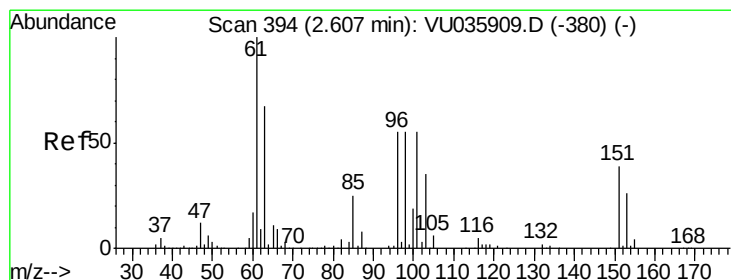
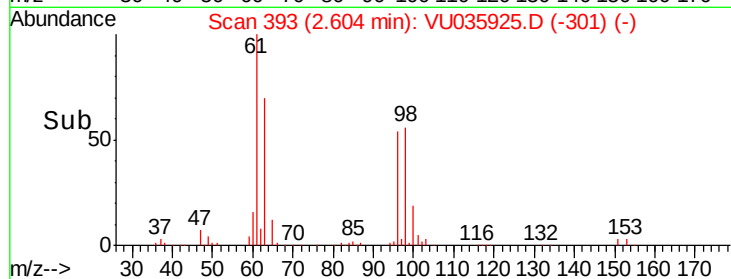
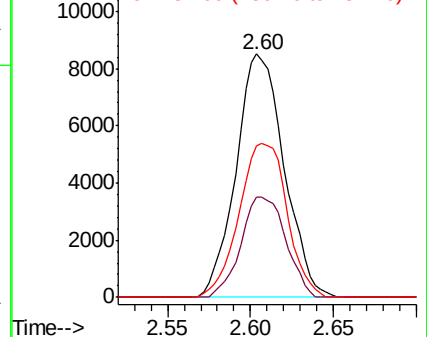
151 63.3 52.0 78.0



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: 6.191 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035925.D

Acq: 29 Nov 2019 16:10

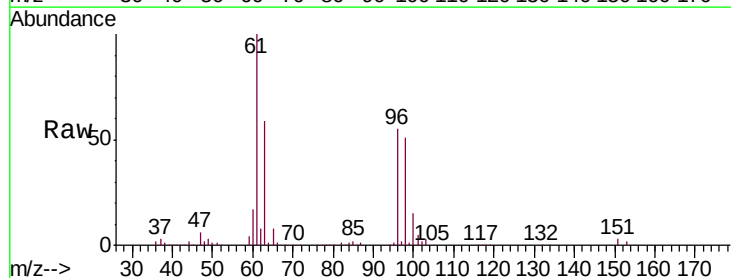
Tgt Ion: 96 Resp: 148448

Ion Ratio Lower Upper

96 100

61 181.9 139.3 258.7

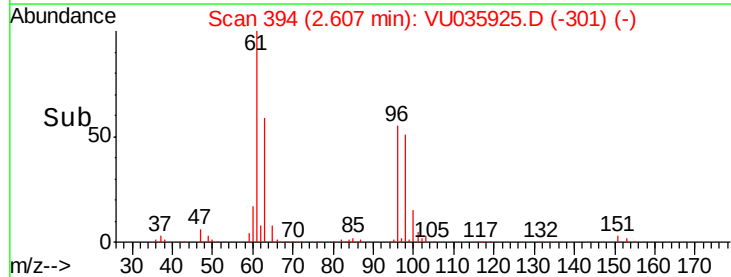
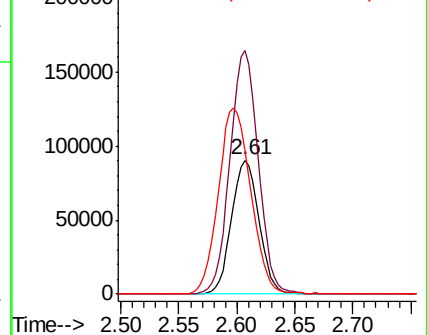
63 107.5 93.7 174.1

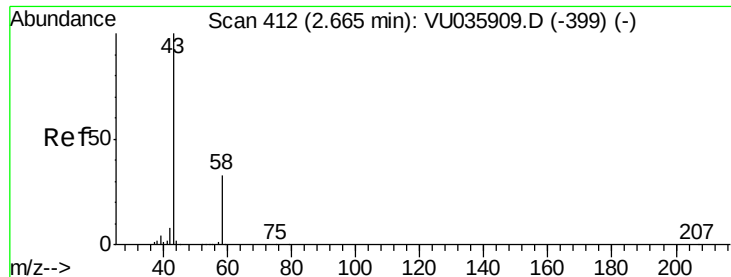


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.267 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.02 min

Lab File: VU035925.D

Acq: 29 Nov 2019 16:10

Instrument :

MSVOA_U

ClientSampleId :

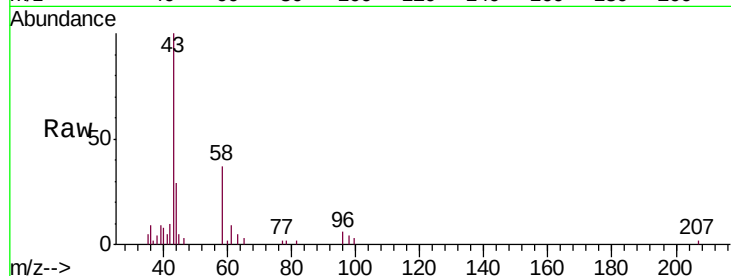
BFE14DL

Tgt Ion: 43 Resp: 13870

Ion Ratio Lower Upper

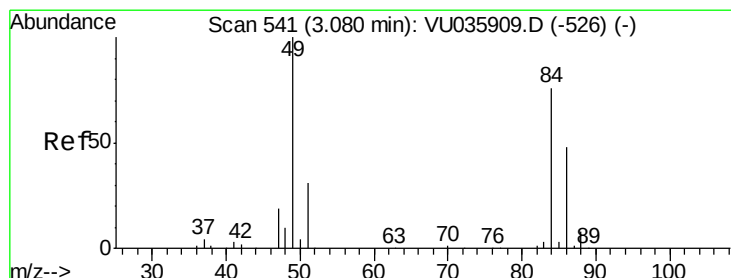
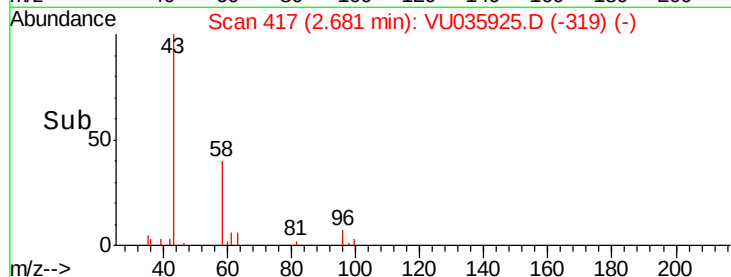
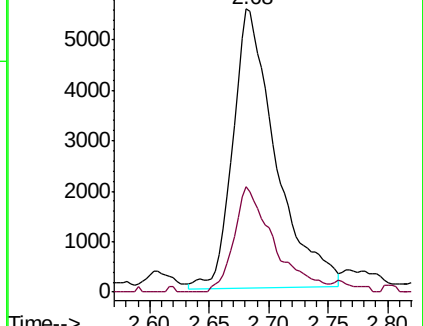
43 100

58 35.3 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035909.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VU035909.D (-399) (-)



#16

Methylene chloride

Concen: 0.165 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU035925.D

Acq: 29 Nov 2019 16:10

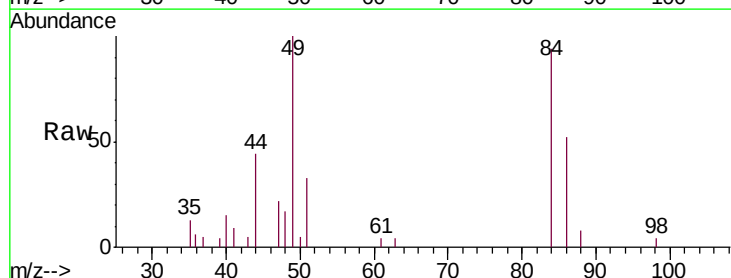
Tgt Ion: 84 Resp: 4784

Ion Ratio Lower Upper

84 100

86 55.8 44.4 82.5

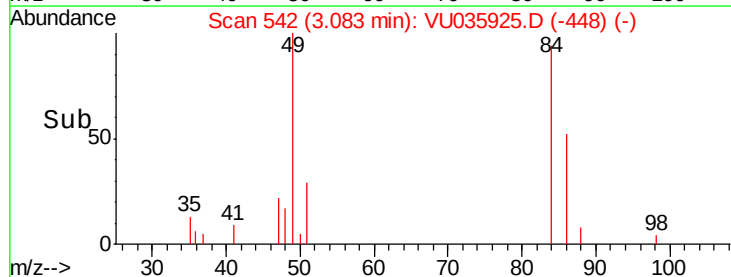
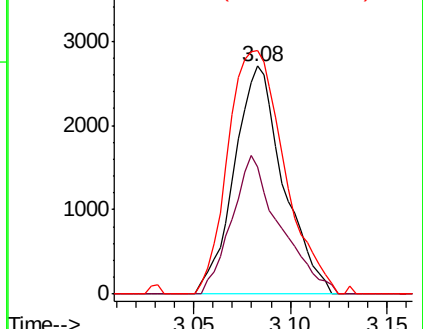
49 106.9 94.0 174.6

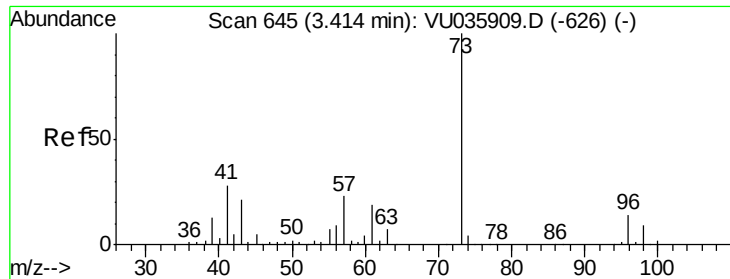


Abundance Ion 84.05 (83.75 to 84.75): VU035909.D (-526) (-)

Ion 86.00 (85.70 to 86.70): VU035909.D (-526) (-)

Ion 49.10 (48.80 to 49.80): VU035909.D (-526) (-)

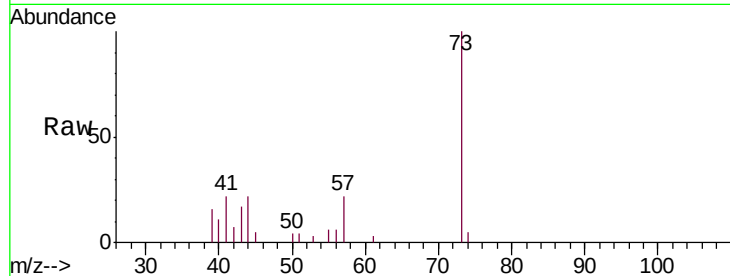




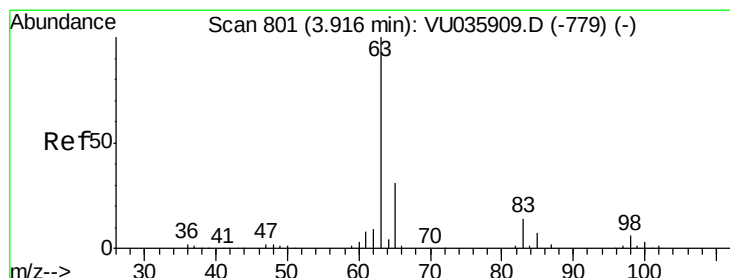
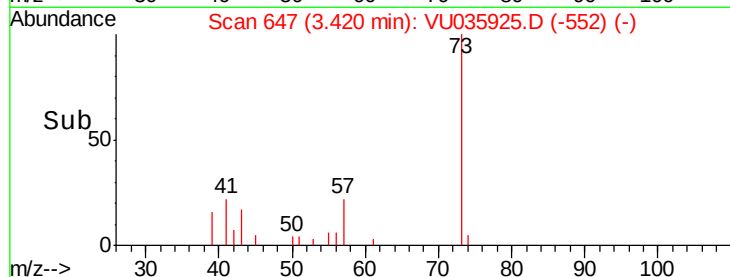
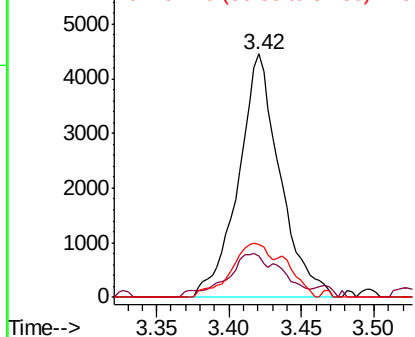
#17
Methyl tert-butyl Ether
Concen: 0.153 ug/L
RT: 3.42 min Scan# 647
Delta R.T. 0.01 min
Lab File: VU035925.D
Acq: 29 Nov 2019 16:10

Instrument :
MSVOA_U
ClientSampleId :
BFE14DL

Tgt Ion: 73 Resp: 8878
Ion Ratio Lower Upper
73 100
43 16.7 17.4 26.2#
57 28.6 19.4 29.0

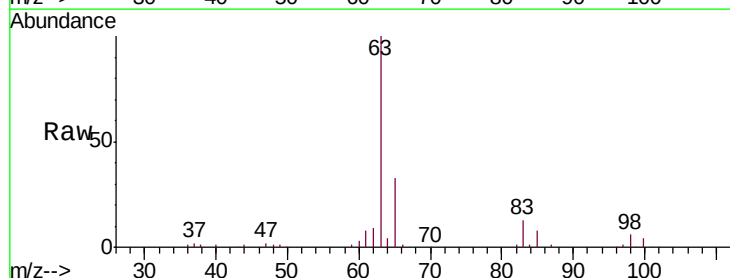


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

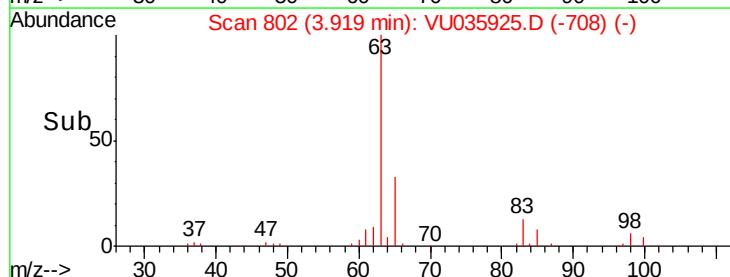
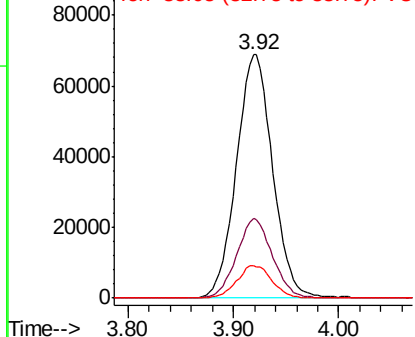


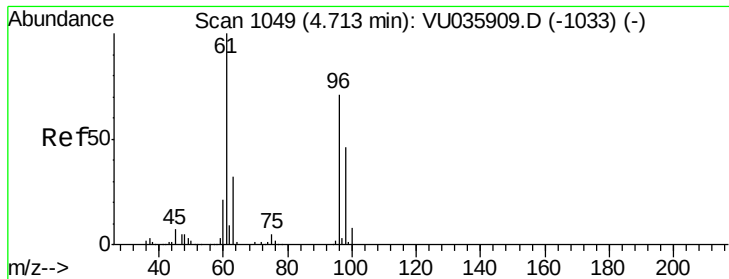
#19
1,1-Dichloroethane
Concen: 3.094 ug/L
RT: 3.92 min Scan# 802
Delta R.T. 0.00 min
Lab File: VU035925.D
Acq: 29 Nov 2019 16:10

Tgt Ion: 63 Resp: 164120
Ion Ratio Lower Upper
63 100
65 32.6 21.8 40.4
83 13.4 8.6 16.0



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





#22

cis-1,2-Dichloroethene

Concen: 0.975 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VU035925.D

Acq: 29 Nov 2019 16:10

Instrument :

MSVOA_U

ClientSampleId :

BFE14DL

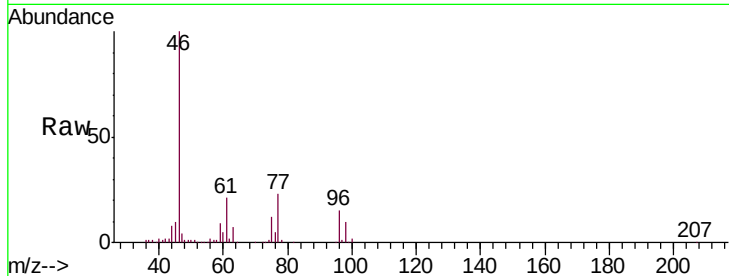
Tgt Ion: 96 Resp: 25650

Ion Ratio Lower Upper

96 100

61 138.0 98.1 182.1

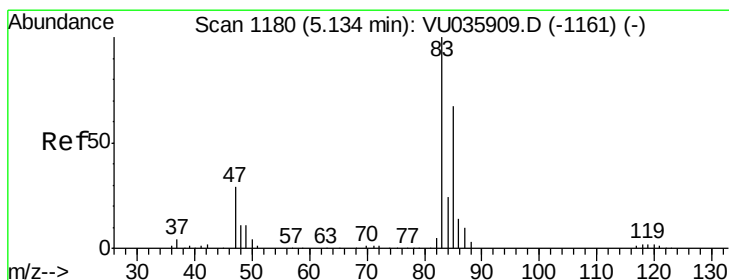
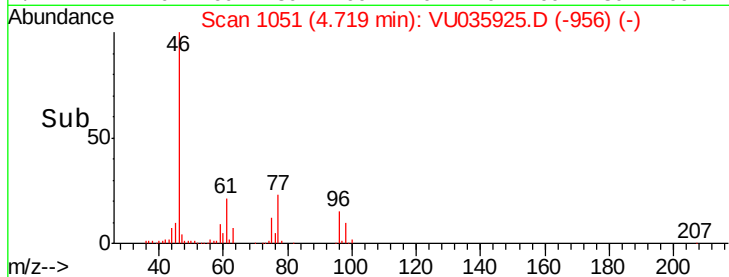
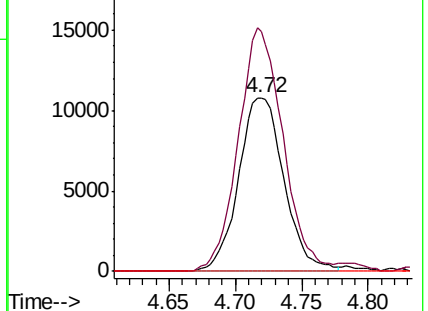
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035925.D (-1056) (-)

Ion 61.05 (60.75 to 61.75): VU035925.D (-1056) (-)

Ion 68.15 (67.85 to 68.85): VU035925.D (-1056) (-)



#25

Chloroform

Concen: 0.175 ug/L

RT: 5.13 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VU035925.D

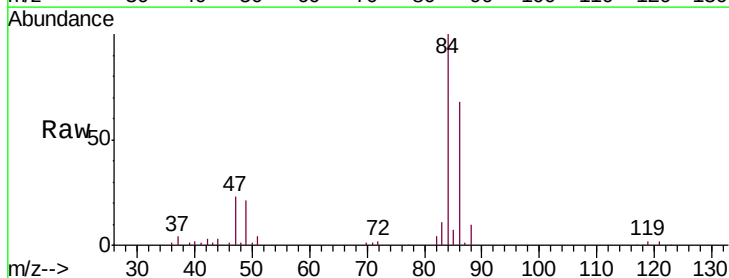
Acq: 29 Nov 2019 16:10

Tgt Ion: 83 Resp: 9024

Ion Ratio Lower Upper

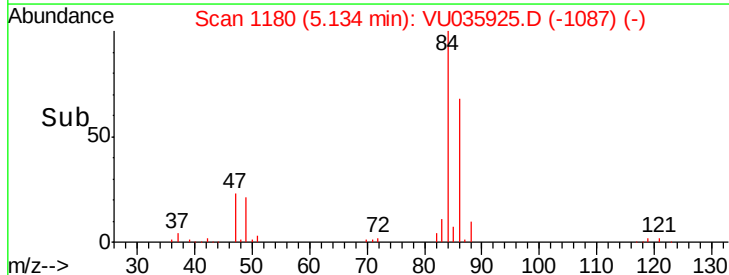
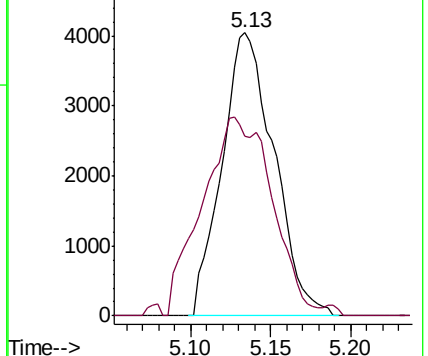
83 100

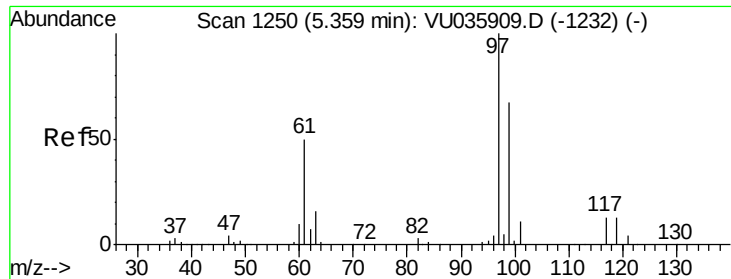
85 63.5 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU035925.D (-1087) (-)

Ion 85.00 (84.70 to 85.70): VU035925.D (-1087) (-)

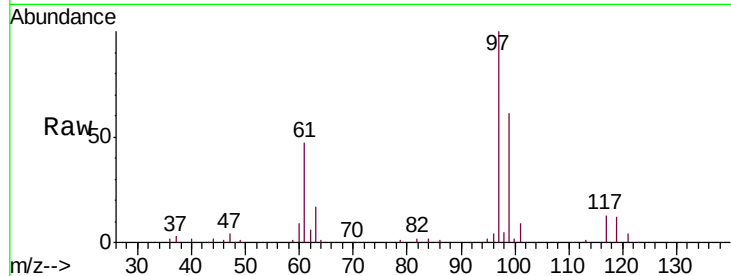




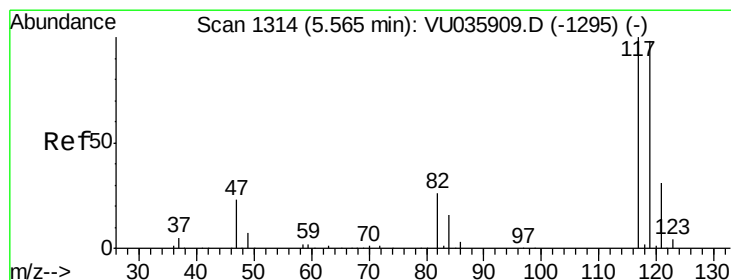
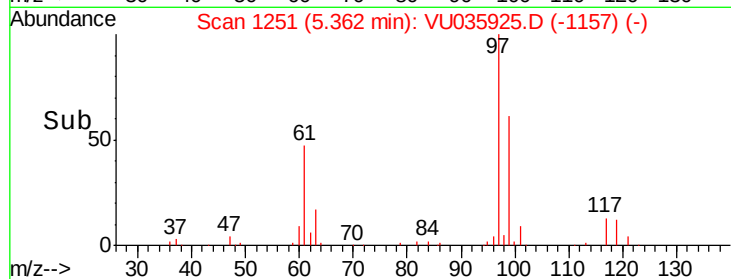
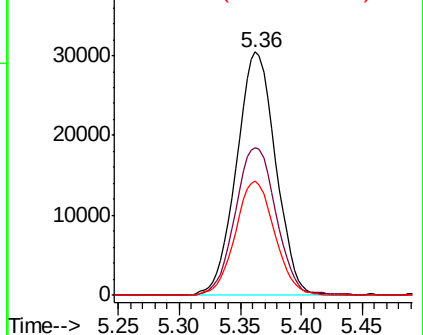
#29
 1,1,1-Trichloroethane
 Concen: 1.547 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU035925.D
 Acq: 29 Nov 2019 16:10

Instrument :
 MSVOA_U
 ClientSampleId :
 BFE14DL

Tgt Ion: 97 Resp: 67619
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.9 77.9
 61 47.2 40.3 60.5

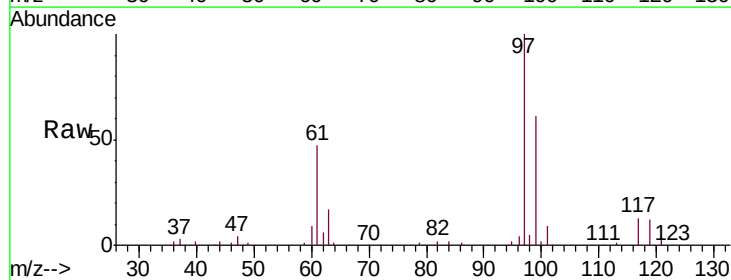


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

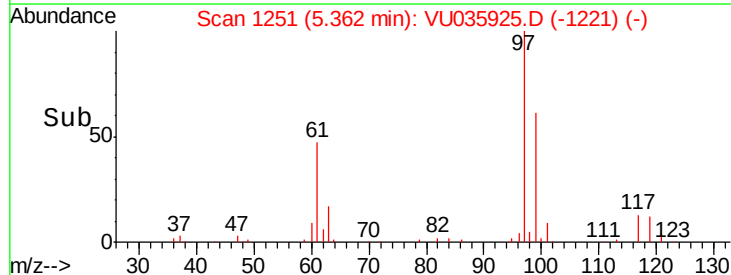
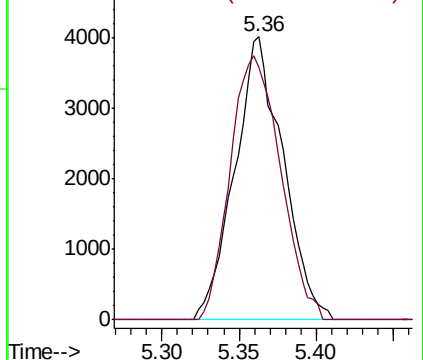


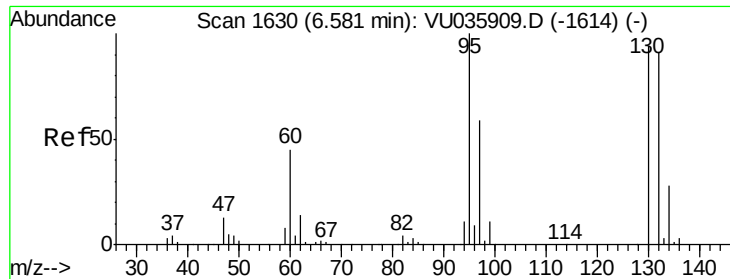
#31
 Carbon tetrachloride
 Concen: 0.230 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. -0.20 min
 Lab File: VU035925.D
 Acq: 29 Nov 2019 16:10

Tgt Ion: 117 Resp: 8718
 Ion Ratio Lower Upper
 117 100
 119 97.1 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 118.90 (118.60 to 119.60): V





#34

Trichloroethene

Concen: 7.572 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035925.D

Acq: 29 Nov 2019 16:10

Instrument :

MSVOA_U

ClientSampleId :

BFE14DL

Tgt Ion: 95 Resp: 209723

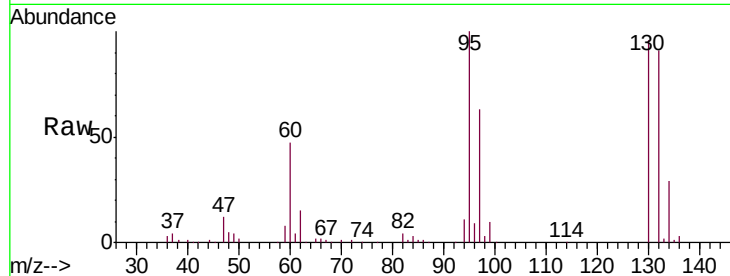
Ion Ratio Lower Upper

95 100

97 63.4 45.1 83.9

132 91.3 61.9 114.9

130 95.8 66.3 123.1

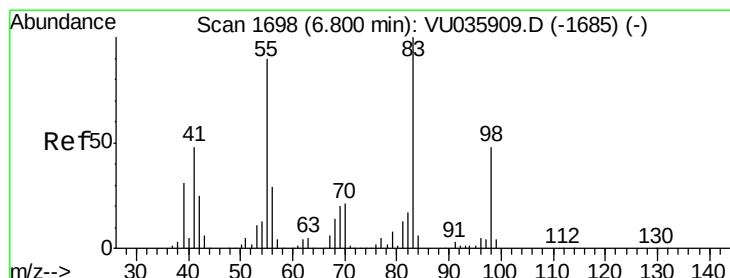
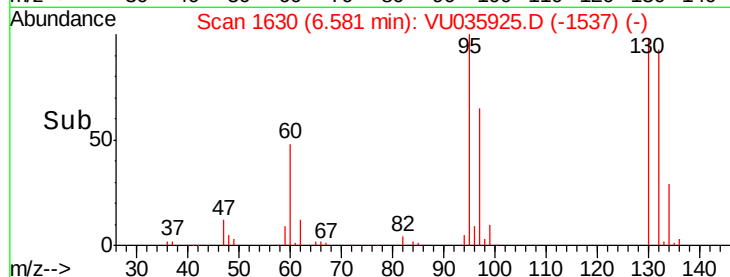
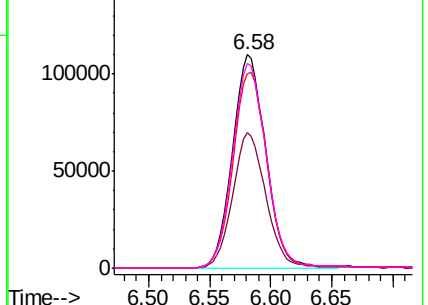


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.861 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU035925.D

Acq: 29 Nov 2019 16:10

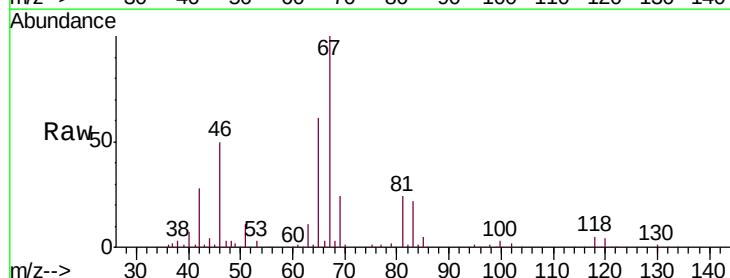
Tgt Ion: 83 Resp: 34996

Ion Ratio Lower Upper

83 100

55 0.5 72.7 109.1#

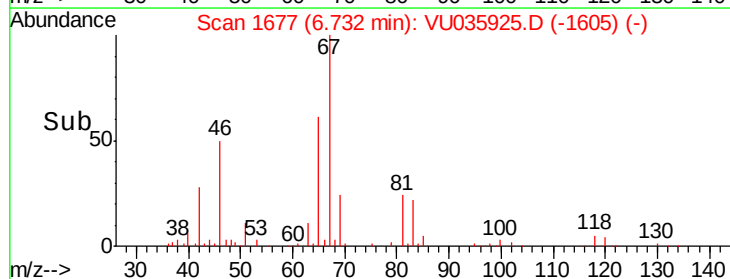
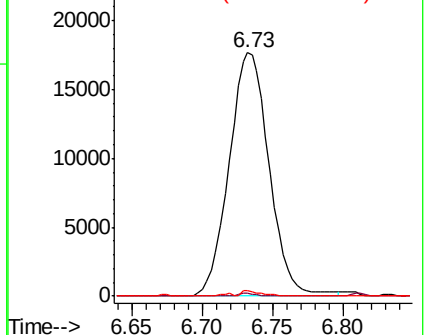
98 1.1 36.2 54.4#

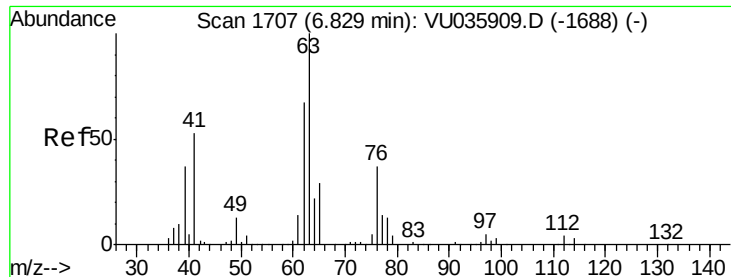


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.545 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.10 min

Lab File: VU035925.D

Acq: 29 Nov 2019 16:10

Instrument :

MSVOA_U

ClientSampleId :

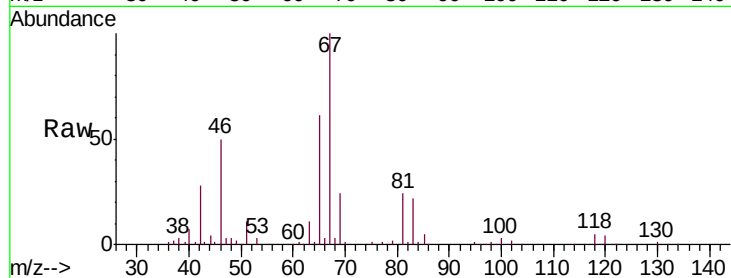
BFE14DL

Tgt Ion: 63 Resp: 17446

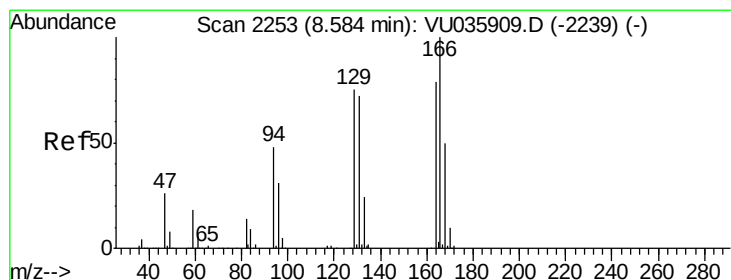
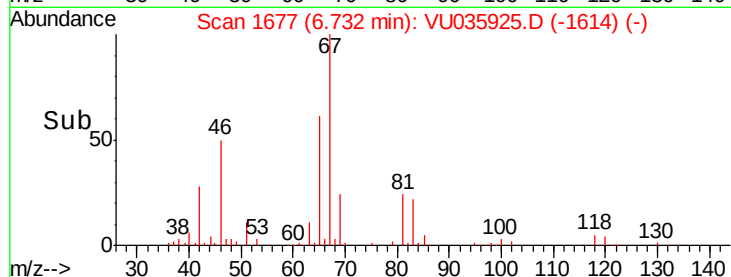
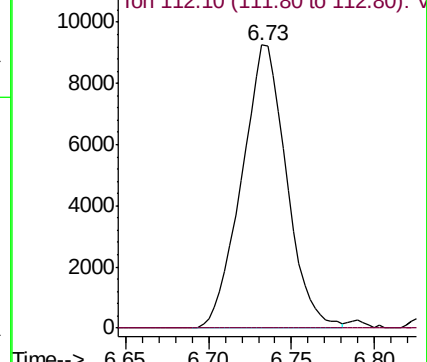
Ion Ratio Lower Upper

63 100

112 0.2 2.7 4.1#



Abundance Ion 63.10 (62.80 to 63.80): VU035909.D (-1688) (-)



#47

Tetrachloroethene

Concen: 3.137 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU035925.D

Acq: 29 Nov 2019 16:10

Tgt Ion: 164 Resp: 66125

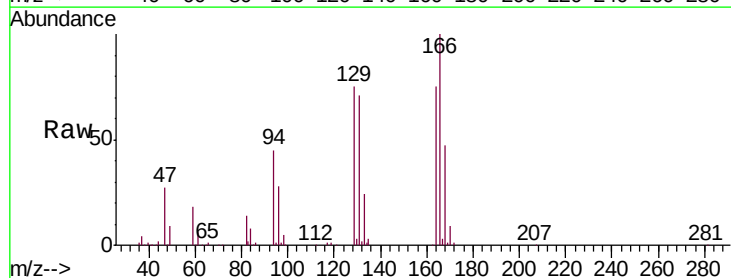
Ion Ratio Lower Upper

164 100

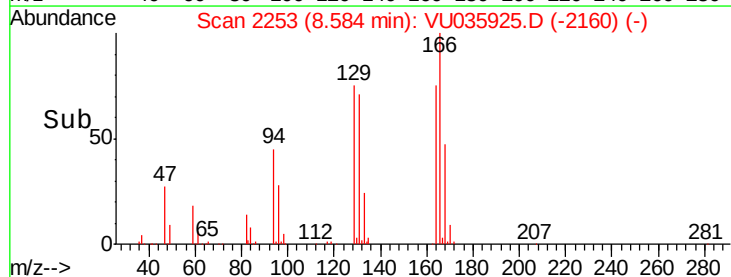
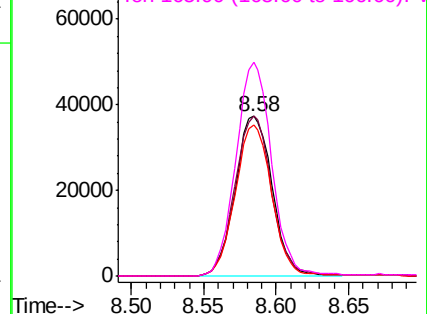
129 100.3 68.8 127.8

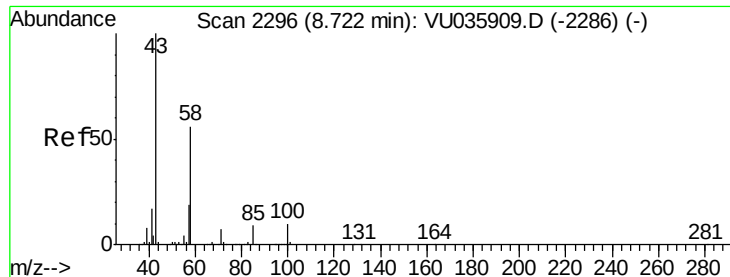
131 94.8 67.3 124.9

166 133.8 91.6 170.2



Abundance Ion 163.90 (163.60 to 164.60): VU035909.D (-2239) (-)

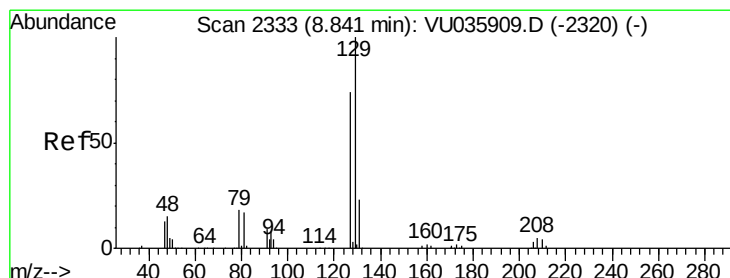
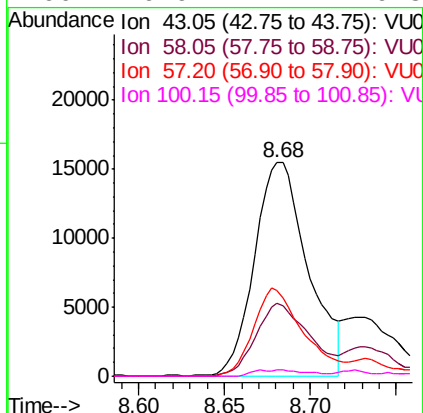
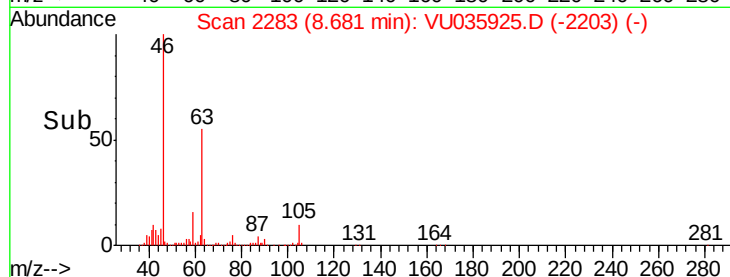
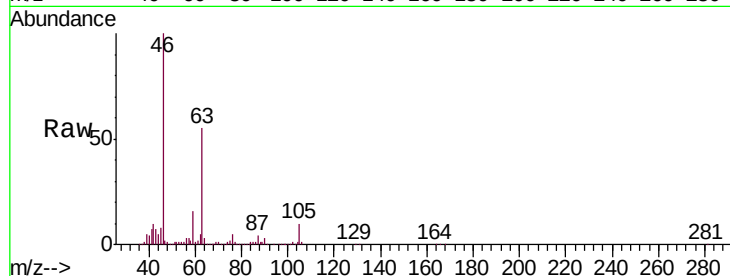




#48
2-Hexanone
Concen: 2.318 ug/L
RT: 8.68 min Scan# 2283
Delta R.T. -0.04 min
Lab File: VU035925.D
Acq: 29 Nov 2019 16:10

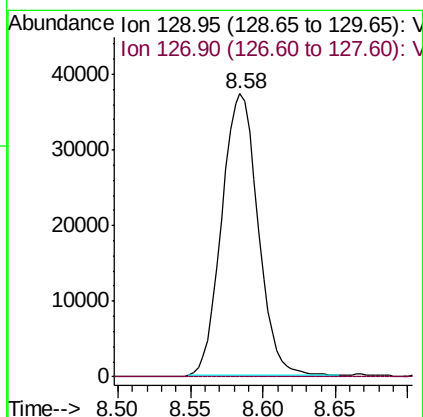
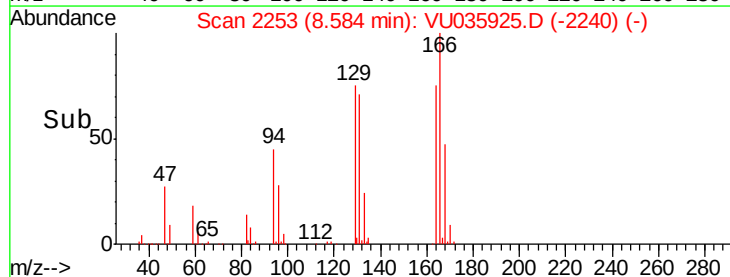
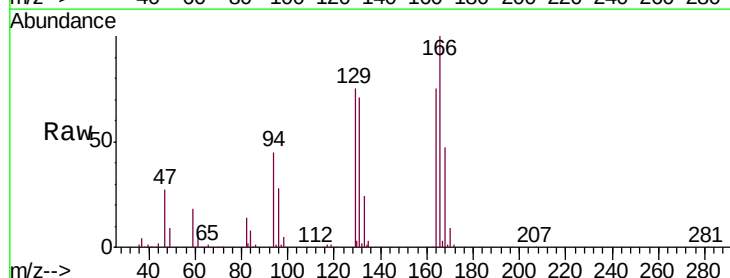
Instrument :
MSVOA_U
ClientSampleId :
BFE14DL

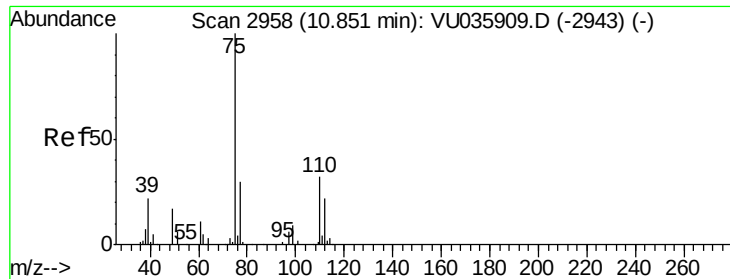
Tgt Ion: 43 Resp: 33575
Ion Ratio Lower Upper
43 100
58 34.1 39.8 59.8#
57 38.7 14.0 21.0#
100 0.9 7.2 10.8#



#49
Dibromochloromethane
Concen: 2.622 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU035925.D
Acq: 29 Nov 2019 16:10

Tgt Ion: 129 Resp: 64592
Ion Ratio Lower Upper
129 100
127 0.0 53.1 98.5#





#59

1,2,3-Trichloropropane

Concen: 0.616 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.98 min

Lab File: VU035925.D

Acq: 29 Nov 2019 16:10

Instrument :

MSVOA_U

ClientSampleId :

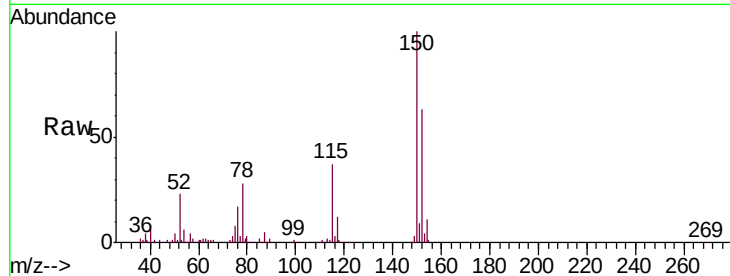
BFE14DL

Tgt Ion: 75 Resp: 12825

Ion Ratio Lower Upper

75 100

77 34.1 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

8000

6000

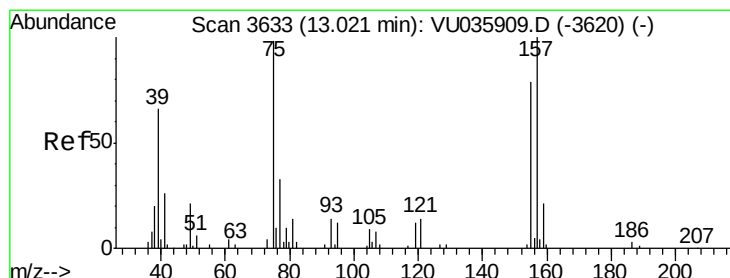
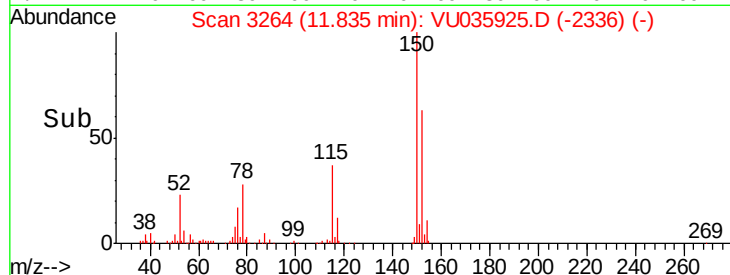
4000

2000

0

11.80 11.83 11.90

Time-->



#66

1,2-Dibromo-3-chloropropane

Concen: 0.135 ug/L

RT: 13.00 min Scan# 3625

Delta R.T. -0.03 min

Lab File: VU035925.D

Acq: 29 Nov 2019 16:10

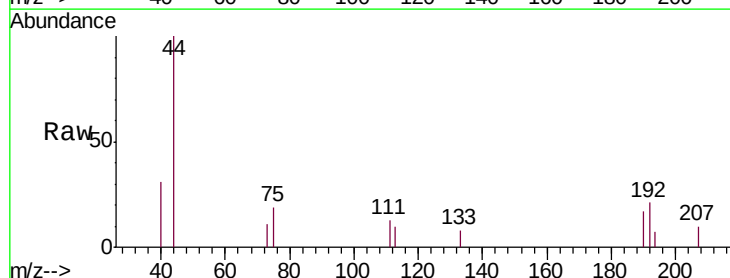
Tgt Ion: 75 Resp: 381

Ion Ratio Lower Upper

75 100

155 0.0 55.4 83.2#

157 0.0 69.4 104.2#



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

400

300

200

100

0

12.96 12.98 13.00 13.02

Time-->

