

Data File : VU035910.D
Acq On : 29 Nov 2019 09:58
Operator : JC/SP
Sample : VU1129WBL01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK17

Quant Time: Nov 30 03:22:28 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	226585	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	268937	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	102248	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	138285	4.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.40%
7) Chloroethane-d5	1.93	69	134918	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.20%
11) 1,1-Dichloroethene-d2	2.59	63	172754	3.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.80%
20) 2-Butanone-d5	4.70	46	377250	55.07	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.14%
24) Chloroform-d	5.11	84	251898	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
26) 1,2-Dichloroethane-d4	5.75	65	139500	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.77	84	469658	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	6.73	67	165137	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.93	98	374758	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.20%
43) trans-1,3-Dichloropropene-	8.21	79	56825	4.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.40%
46) 2-Hexanone-d5	8.68	63	281570	52.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.14%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	141848	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	118861	5.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.00%

Target Compounds

					Qvalue
3) Chloromethane	1.54	50	3703	0.098 ug/L #	82
5) Vinyl chloride	1.62	62	3880	0.103 ug/L #	1
6) Bromomethane	1.87	94	2734	0.141 ug/L	82
8) Chloroethane	1.96	64	1767	0.081 ug/L #	66
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	3272	0.131 ug/L #	76
12) 1,1-Dichloroethene	2.60	96	3185	0.135 ug/L #	1
13) Acetone	2.68	43	15905	2.644 ug/L	99
14) Carbon disulfide	2.82	76	6647	0.085 ug/L	96
16) Methylene chloride	3.08	84	7252	0.255 ug/L	81
18) trans-1,2-Dichloroethene	3.39	96	2049	0.088 ug/L	80
29) 1,1,1-Trichloroethane	5.36	97	3449	0.079 ug/L	94
30) Cyclohexane	5.43	56	3047	0.072 ug/L #	77
38) Bromodichloromethane	7.14	83	2598	0.068 ug/L #	77
48) 2-Hexanone	8.68	43	33056	2.297 ug/L #	68
51) Chlorobenzene	9.48	112	6714	0.093 ug/L	93
52) Ethylbenzene	9.60	91	8663	0.072 ug/L	98
54) o-Xylene	10.13	106	2590	0.063 ug/L	92

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

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QLast Update : Sat Nov 30 03:20:00 2019
Response via : Initial Calibration

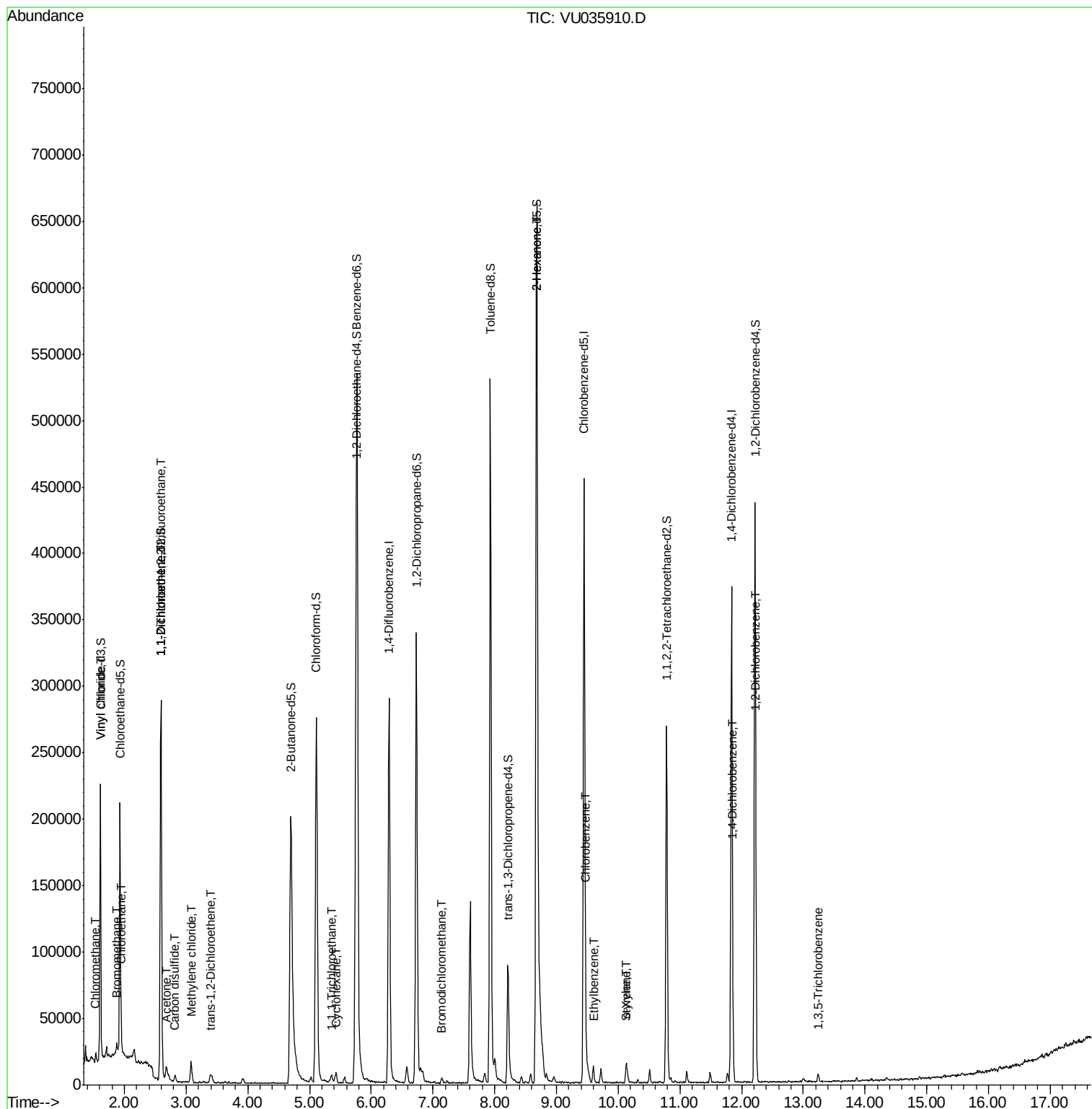
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) Styrene	10.15	104	4344	0.063	ug/L	91
63) 1,4-Dichlorobenzene	11.86	146	3791	0.105	ug/L #	85
65) 1,2-Dichlorobenzene	12.24	146	4285	0.122	ug/L #	90
67) 1,3,5-Trichlorobenzene	13.24	180	2217	0.101	ug/L #	96

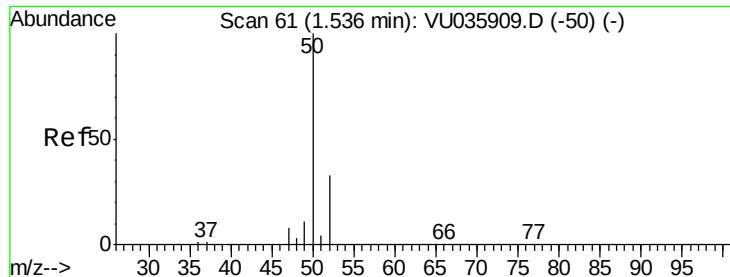
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.098 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035910.D

Acq: 29 Nov 2019 09:58

Instrument :

MSVOA_U

ClientSampleId :

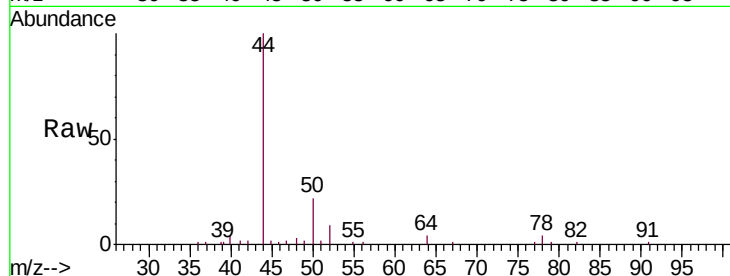
VBLK17

Tgt Ion: 50 Resp: 3703

Ion Ratio Lower Upper

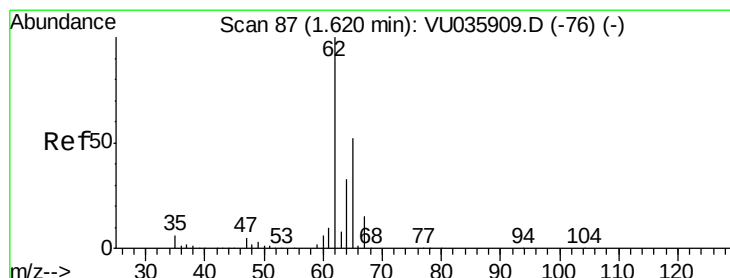
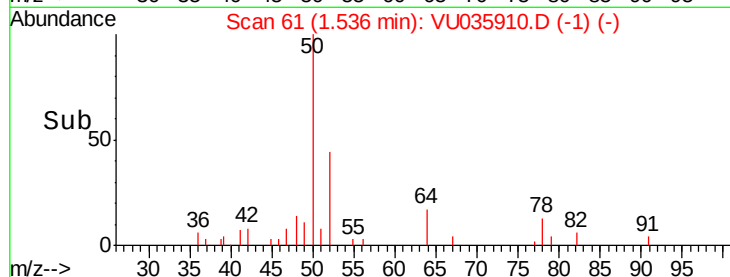
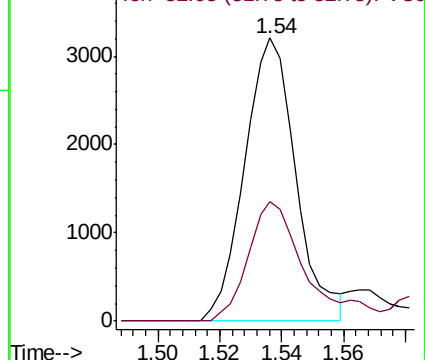
50 100

52 42.4 22.7 42.3#



Abundance Ion 50.05 (49.75 to 50.75): VU035910.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU035910.D (-1) (-)



#5

Vinyl chloride

Concen: 0.103 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU035910.D

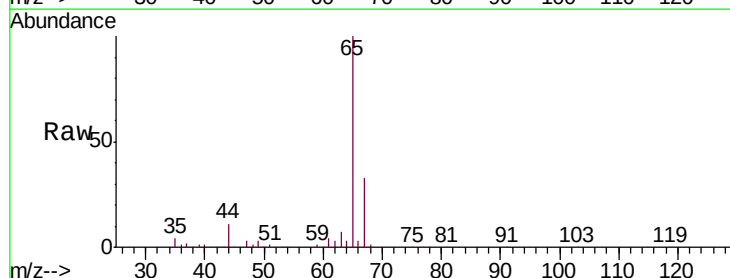
Acq: 29 Nov 2019 09:58

Tgt Ion: 62 Resp: 3880

Ion Ratio Lower Upper

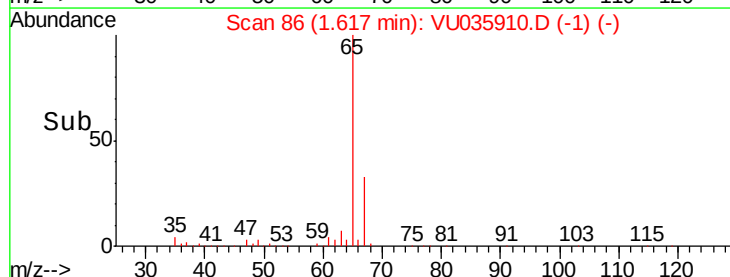
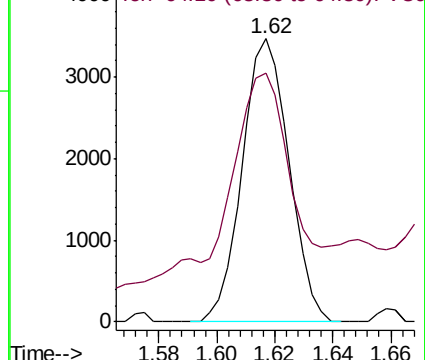
62 100

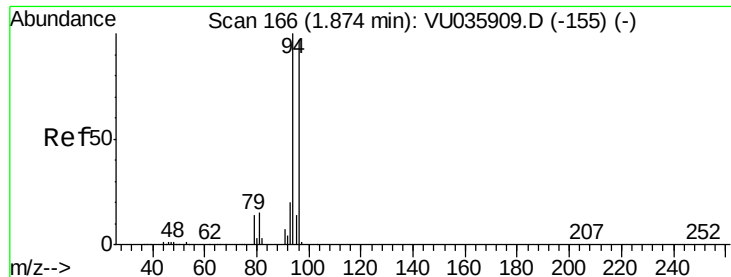
64 87.9 22.5 41.9#



Abundance Ion 62.00 (61.70 to 62.70): VU035910.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU035910.D (-1) (-)





#6

Bromomethane

Concen: 0.141 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035910.D

Acq: 29 Nov 2019 09:58

Instrument :

MSVOA_U

ClientSampleId :

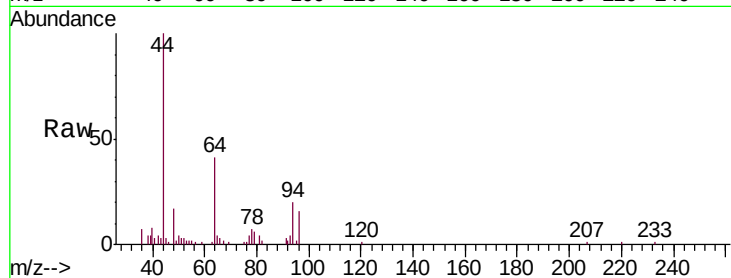
VBLK17

Tgt Ion: 94 Resp: 2734

Ion Ratio Lower Upper

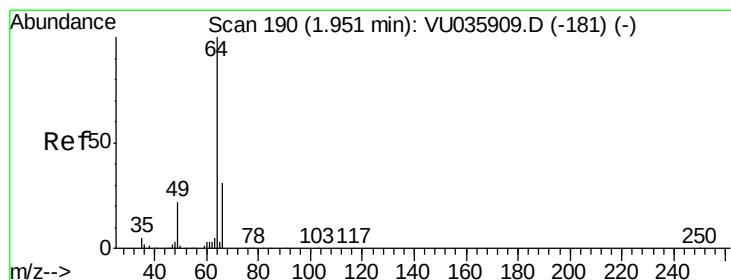
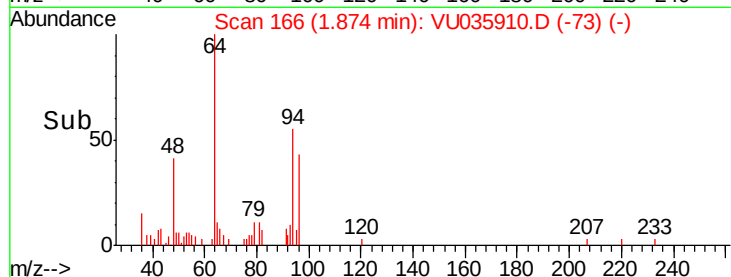
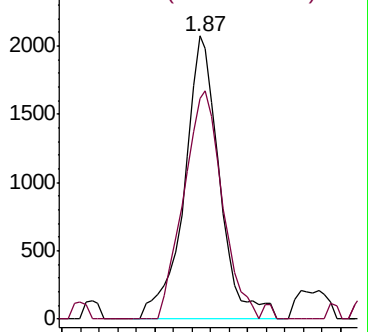
94 100

96 77.8 66.5 123.5



Abundance Ion 94.00 (93.70 to 94.70): VU035910.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU035910.D (-155) (-)



#8

Chloroethane

Concen: 0.081 ug/L

RT: 1.96 min Scan# 192

Delta R.T. 0.01 min

Lab File: VU035910.D

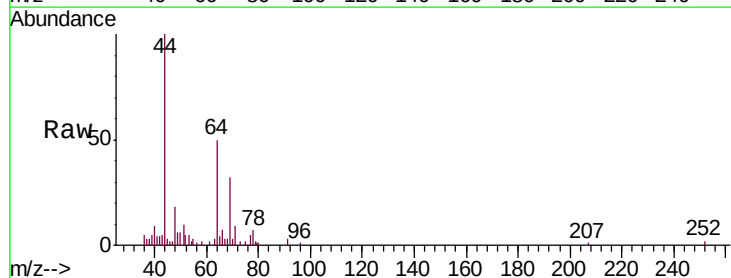
Acq: 29 Nov 2019 09:58

Tgt Ion: 64 Resp: 1767

Ion Ratio Lower Upper

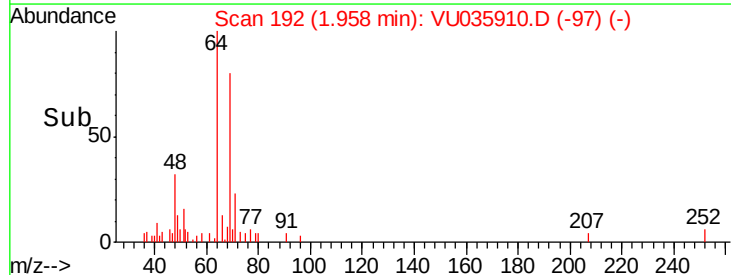
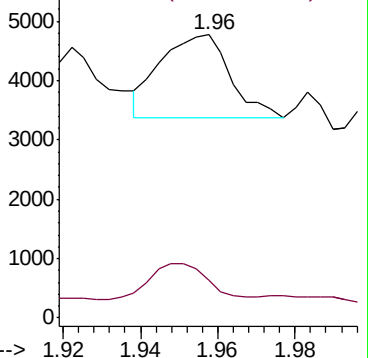
64 100

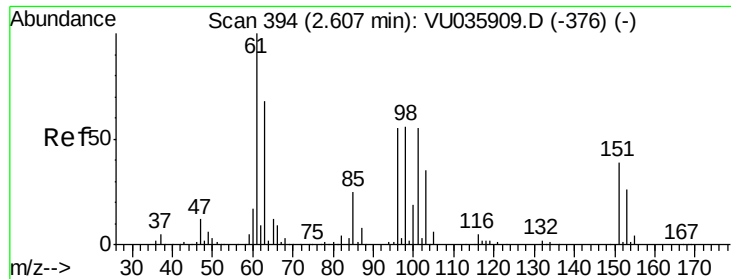
66 13.1 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VU035910.D (-181) (-)

Ion 66.05 (65.75 to 66.75): VU035910.D (-181) (-)





#10

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

Concen: 0.131 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU035910.D

Acq: 29 Nov 2019 09:58

Instrument :

MSVOA_U

ClientSampleId :

VBLK17

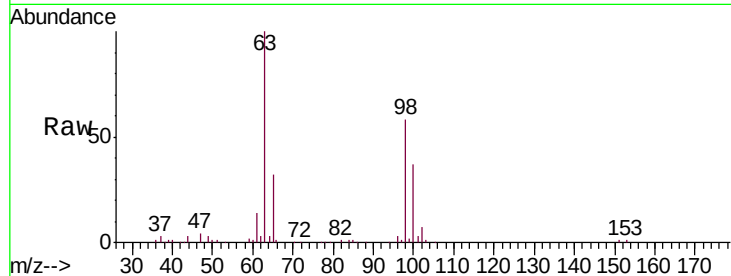
Tgt Ion:101 Resp: 3272

Ion Ratio Lower Upper

101 100

85 30.0 38.1 57.1#

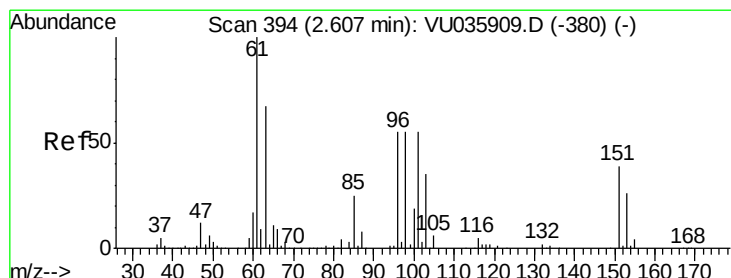
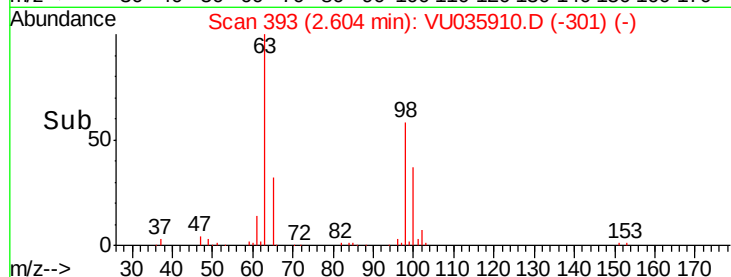
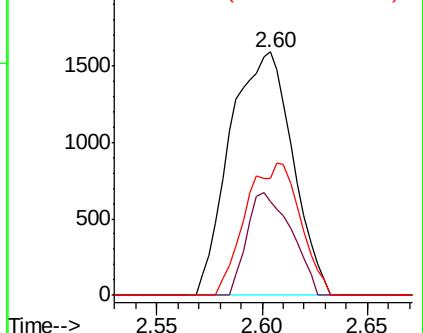
151 47.6 52.0 78.0#



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: 0.135 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU035910.D

Acq: 29 Nov 2019 09:58

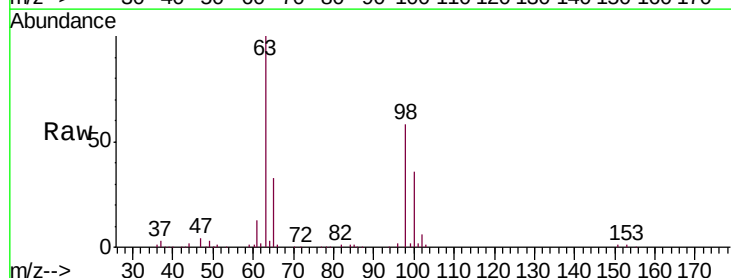
Tgt Ion: 96 Resp: 3185

Ion Ratio Lower Upper

96 100

61 608.7 139.3 258.7#

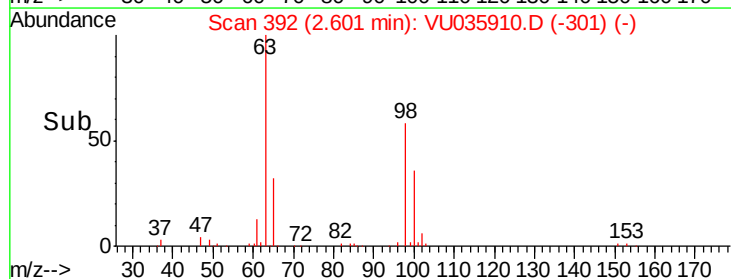
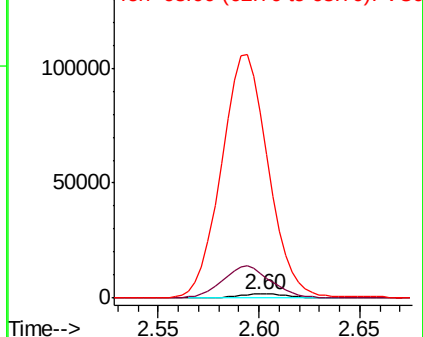
63 4511.1 93.7 174.1#

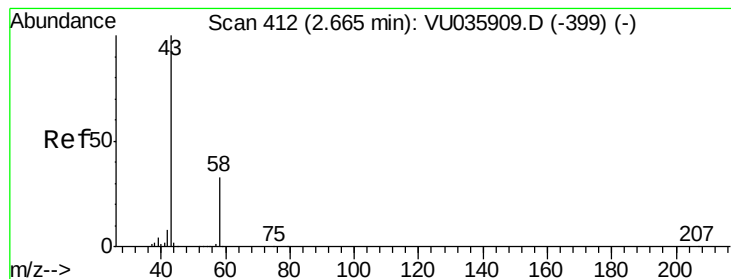


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.644 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.01 min

Lab File: VU035910.D

Acq: 29 Nov 2019 09:58

Instrument :

MSVOA_U

ClientSampleId :

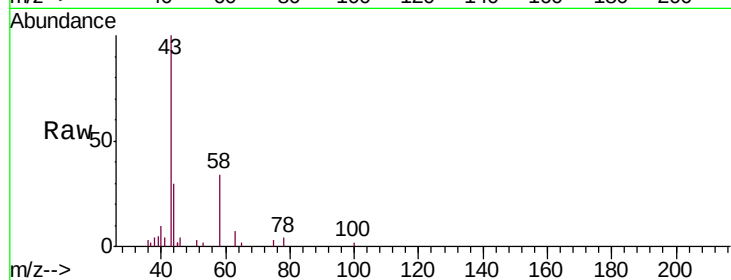
VBLK17

Tgt Ion: 43 Resp: 15905

Ion Ratio Lower Upper

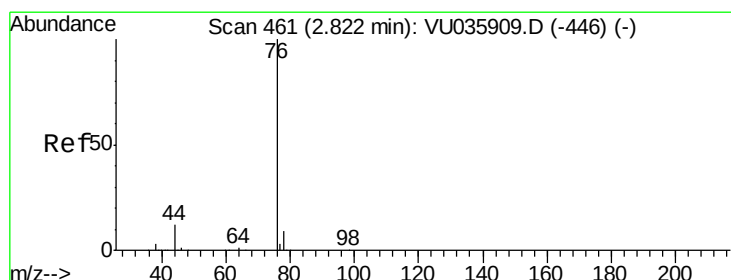
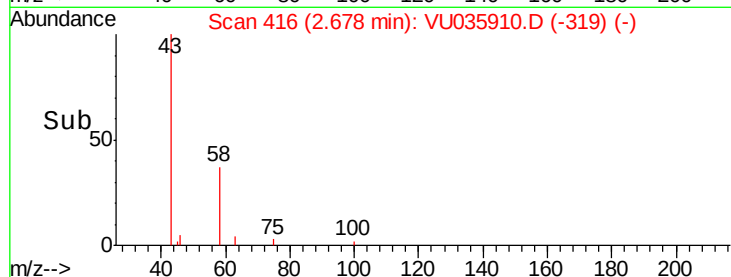
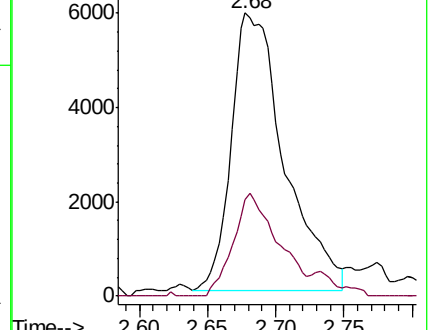
43 100

58 31.2 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035910.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VU035910.D (-399) (-)



#14

Carbon disulfide

Concen: 0.085 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU035910.D

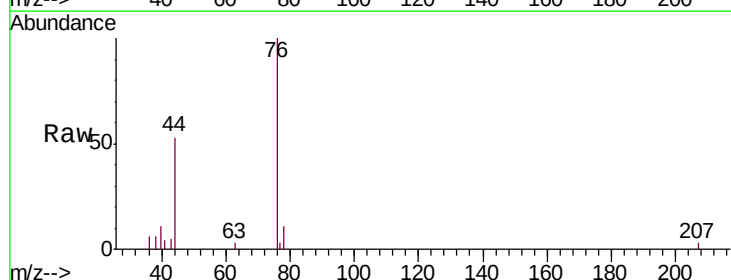
Acq: 29 Nov 2019 09:58

Tgt Ion: 76 Resp: 6647

Ion Ratio Lower Upper

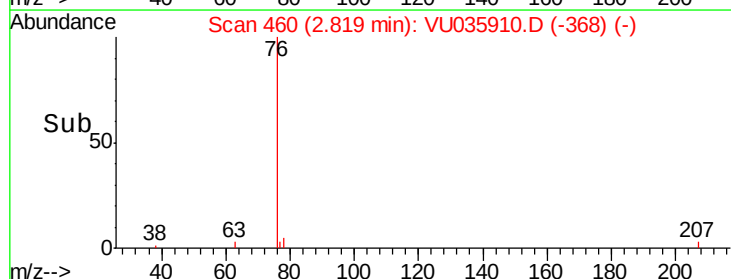
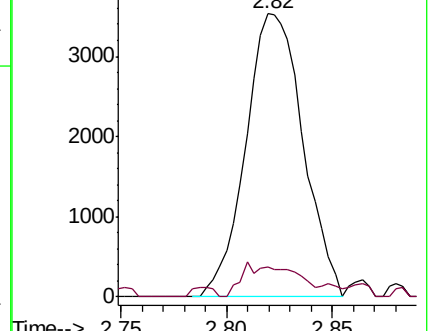
76 100

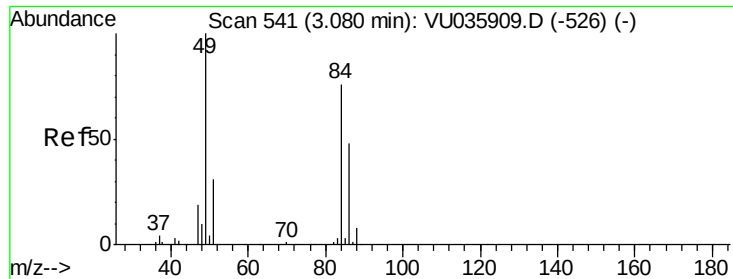
78 10.6 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU035910.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU035910.D (-368) (-)

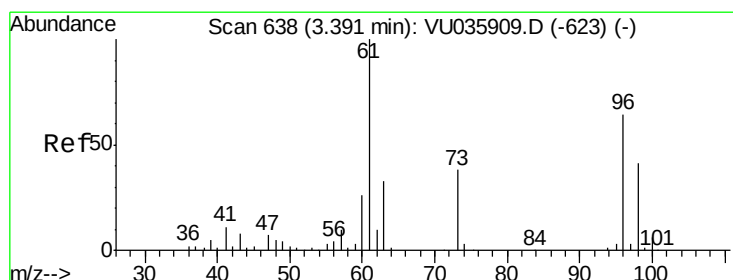
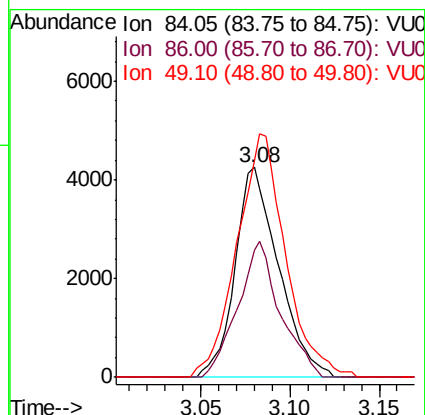
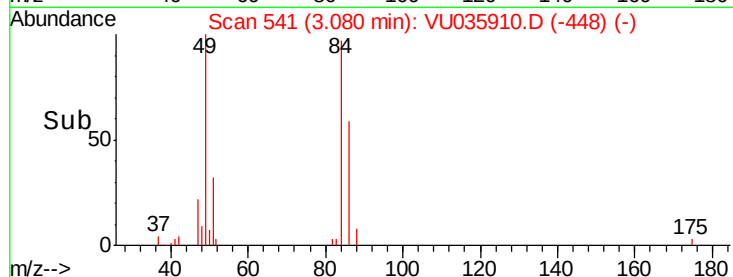
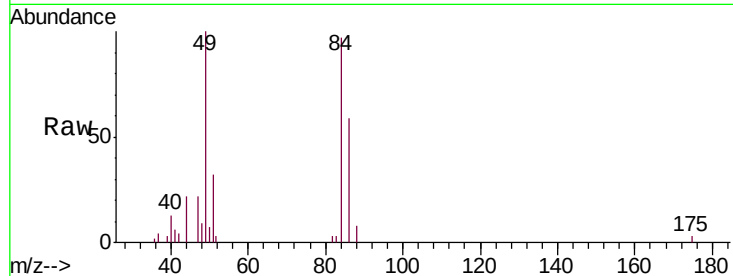




#16
Methylene chloride
Concen: 0.255 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU035910.D
Acq: 29 Nov 2019 09:58

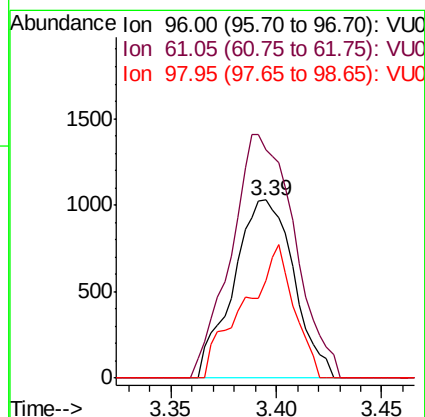
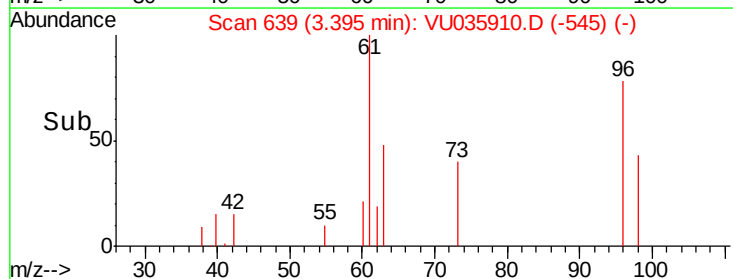
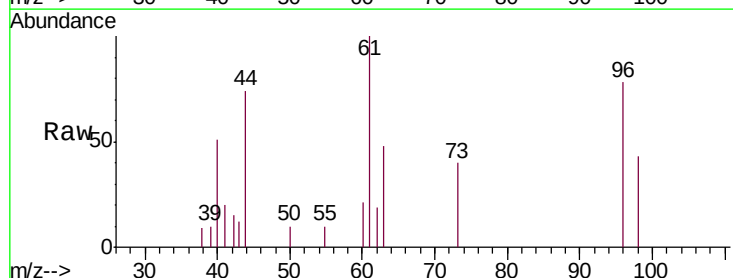
Instrument :
MSVOA_U
ClientSampleId :
VBLK17

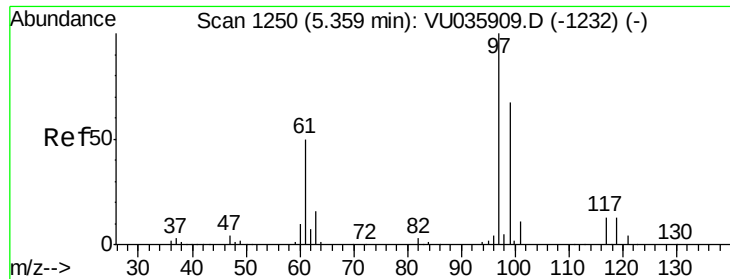
Tgt Ion: 84 Resp: 7252
Ion Ratio Lower Upper
84 100
86 60.6 44.4 82.5
49 102.9 94.0 174.6



#18
trans-1,2-Dichloroethene
Concen: 0.088 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU035910.D
Acq: 29 Nov 2019 09:58

Tgt Ion: 96 Resp: 2049
Ion Ratio Lower Upper
96 100
61 127.8 111.1 206.3
98 54.6 43.1 80.1

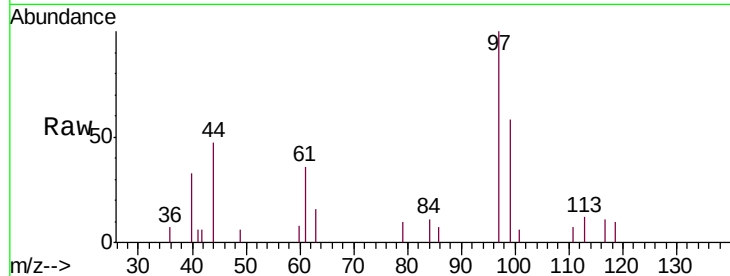




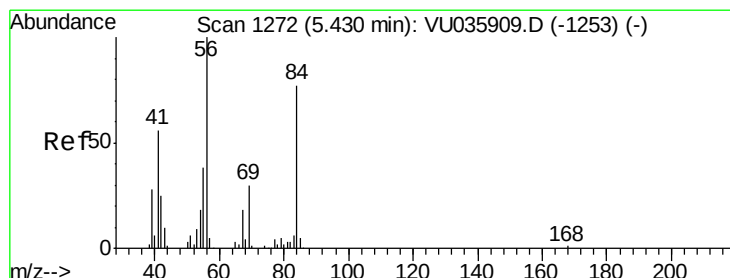
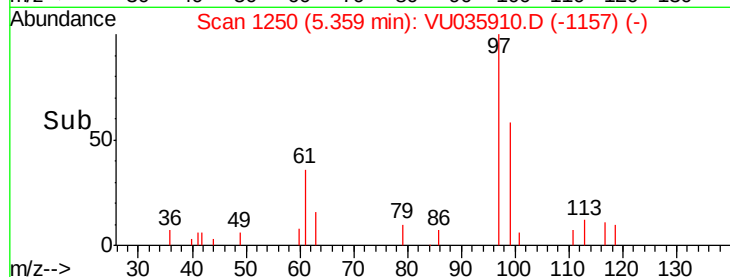
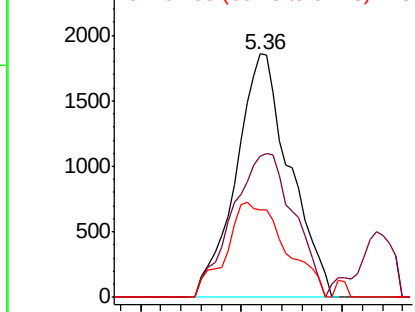
#29
 1,1,1-Trichloroethane
 Concen: 0.079 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VU035910.D
 Acq: 29 Nov 2019 09:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK17

Tgt Ion: 97 Resp: 3449
 Ion Ratio Lower Upper
 97 100
 99 67.5 51.9 77.9
 61 43.3 40.3 60.5

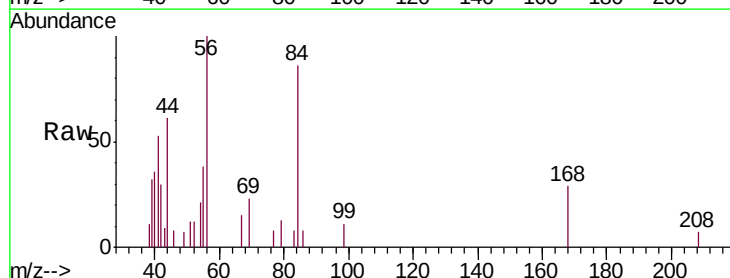


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

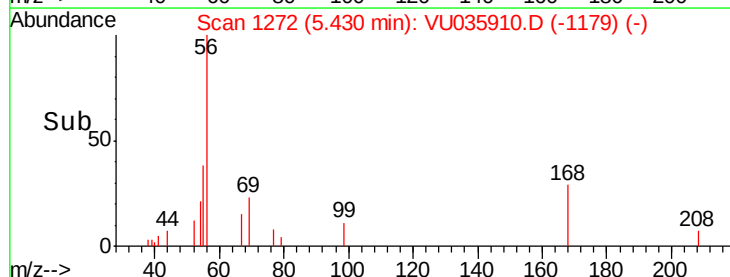
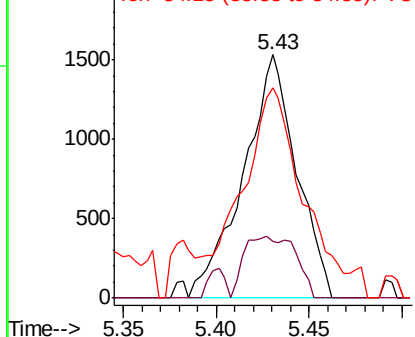


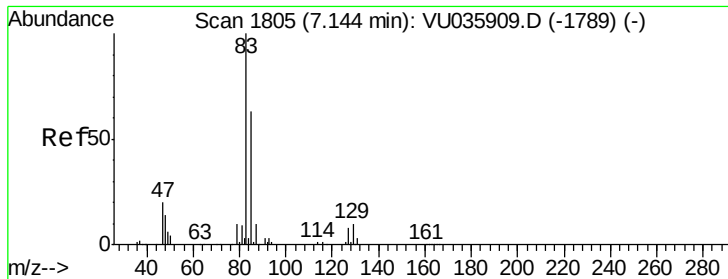
#30
 Cyclohexane
 Concen: 0.072 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU035910.D
 Acq: 29 Nov 2019 09:58

Tgt Ion: 56 Resp: 3047
 Ion Ratio Lower Upper
 56 100
 69 24.6 24.0 36.0
 84 101.9 62.1 93.1#



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

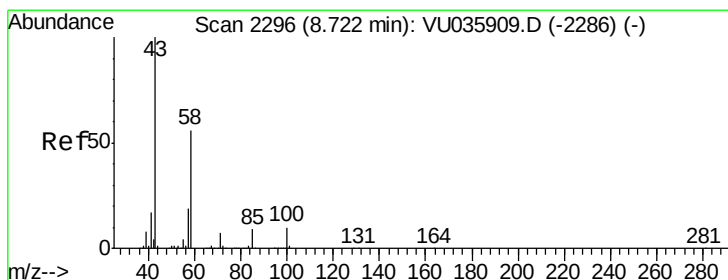
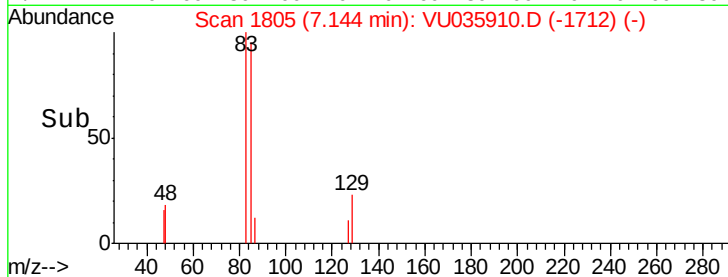
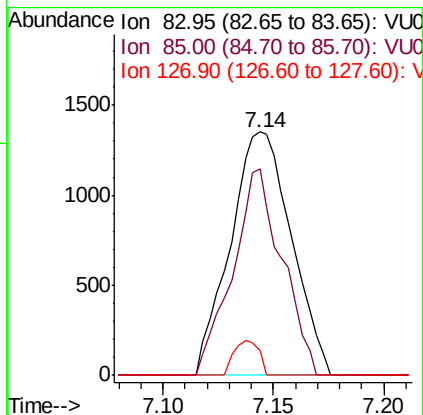
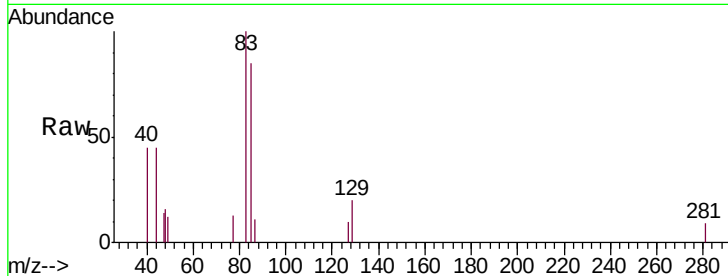




#38
 Bromodichloromethane
 Concen: 0.068 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU035910.D
 Acq: 29 Nov 2019 09:58

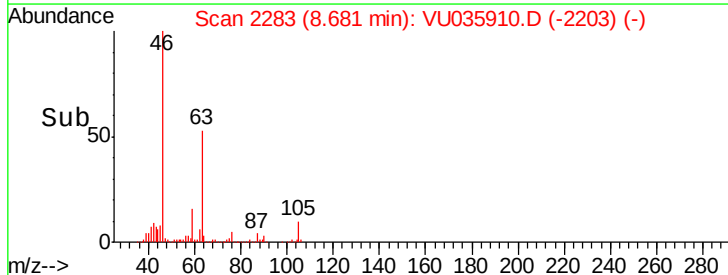
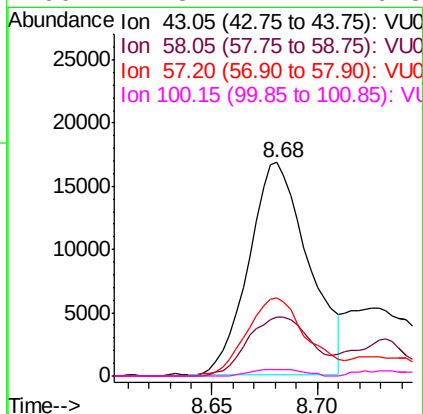
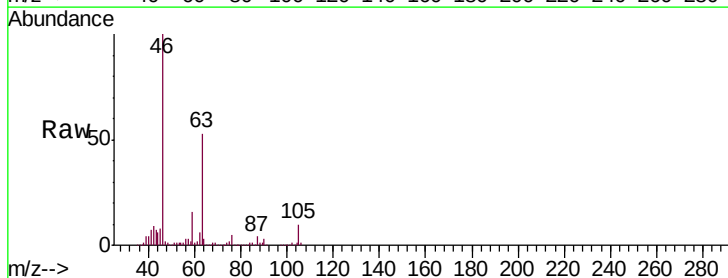
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK17

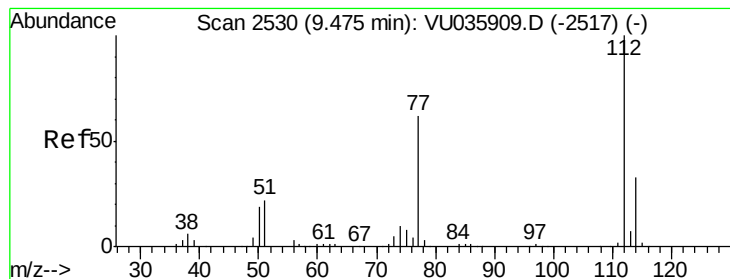
Tgt Ion: 83 Resp: 2598
 Ion Ratio Lower Upper
 83 100
 85 84.8 45.6 84.8#
 127 10.2 6.0 9.0#



#48
 2-Hexanone
 Concen: 2.297 ug/L
 RT: 8.68 min Scan# 2283
 Delta R.T. -0.04 min
 Lab File: VU035910.D
 Acq: 29 Nov 2019 09:58

Tgt Ion: 43 Resp: 33056
 Ion Ratio Lower Upper
 43 100
 58 29.4 39.8 59.8#
 57 37.4 14.0 21.0#
 100 2.8 7.2 10.8#





#51

Chlorobenzene

Concen: 0.093 ug/L

RT: 9.48 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU035910.D

Acq: 29 Nov 2019 09:58

Instrument :

MSVOA_U

ClientSampleId :

VBLK17

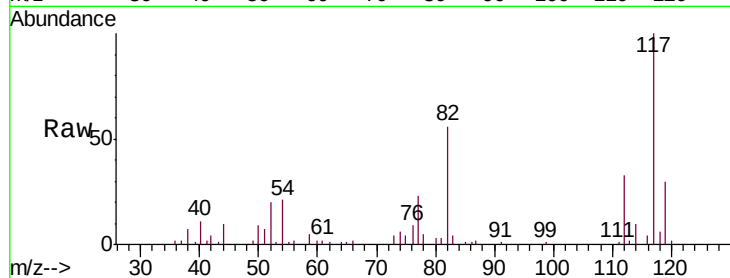
Tgt Ion: 112 Resp: 6714

Ion Ratio Lower Upper

112 100

114 29.1 22.2 41.2

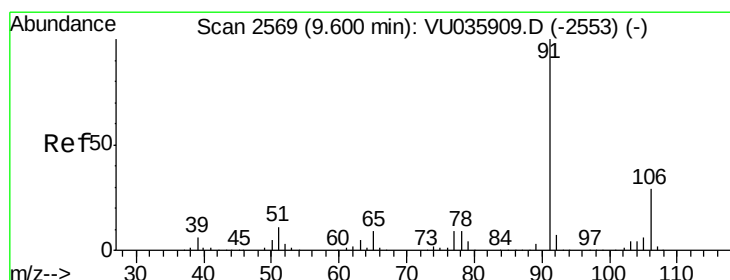
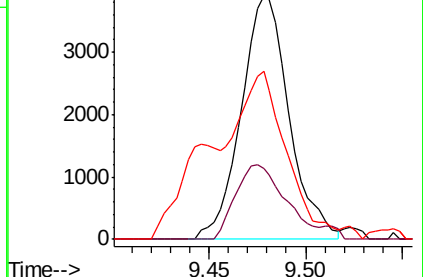
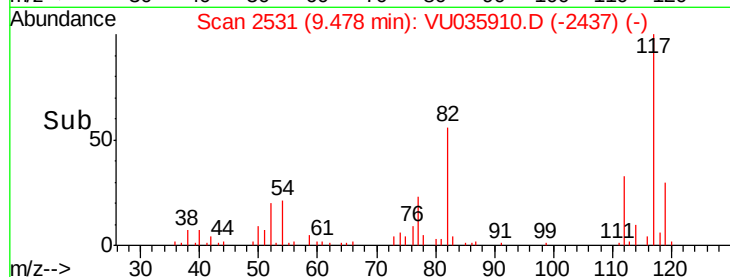
77 69.1 50.1 75.1



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU



#52

Ethylbenzene

Concen: 0.072 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035910.D

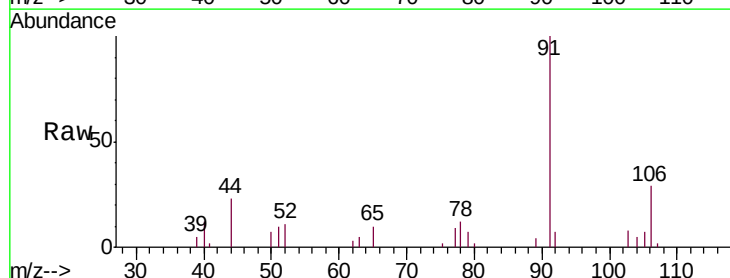
Acq: 29 Nov 2019 09:58

Tgt Ion: 91 Resp: 8663

Ion Ratio Lower Upper

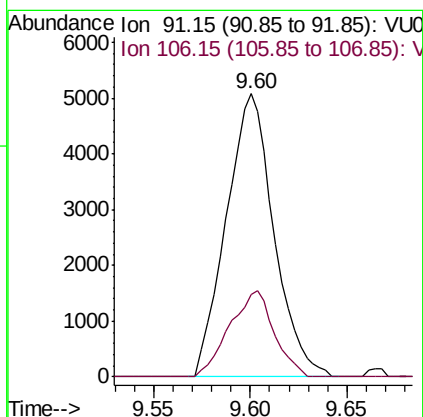
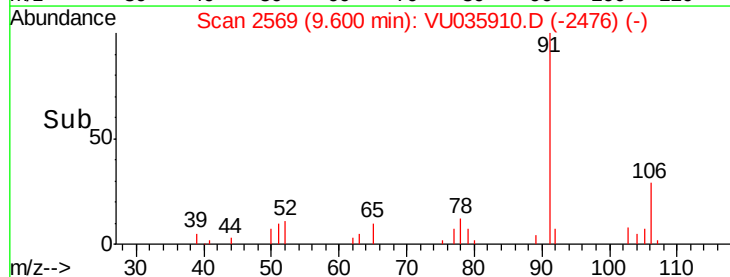
91 100

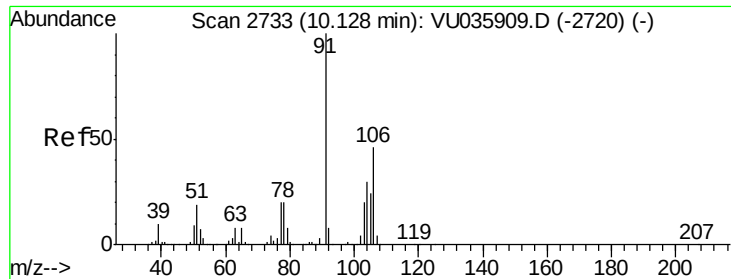
106 29.2 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU

Ion 106.15 (105.85 to 106.85): V





#54

o-Xylene

Concen: 0.063 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU035910.D

Acq: 29 Nov 2019 09:58

Instrument :

MSVOA_U

ClientSampleId :

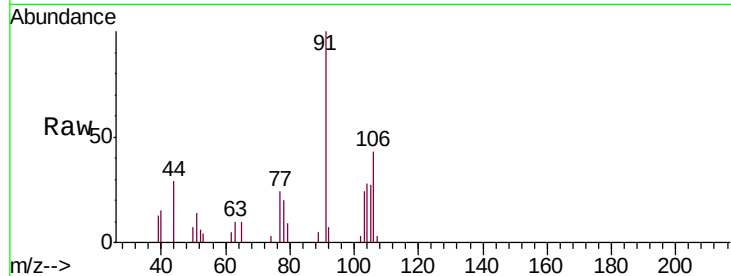
VBLK17

Tgt Ion:106 Resp: 2590

Ion Ratio Lower Upper

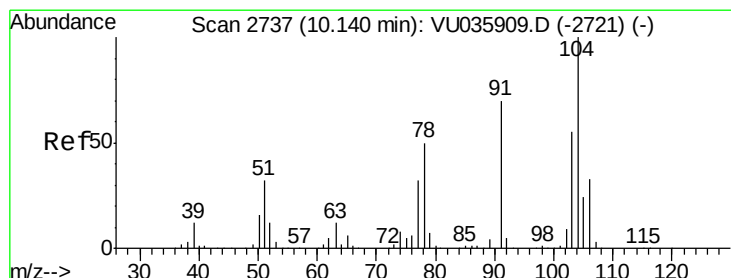
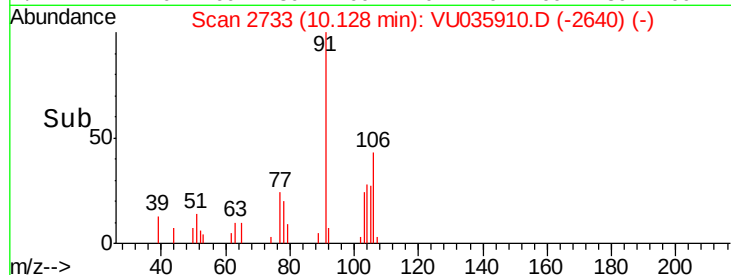
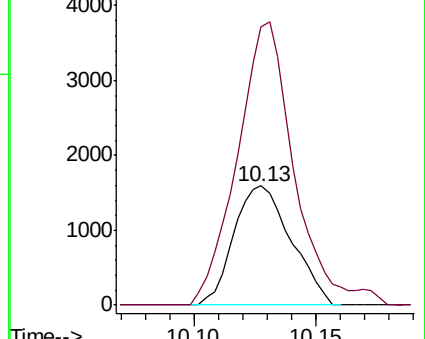
106 100

91 232.7 153.6 285.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 0.063 ug/L

RT: 10.15 min Scan# 2739

Delta R.T. 0.01 min

Lab File: VU035910.D

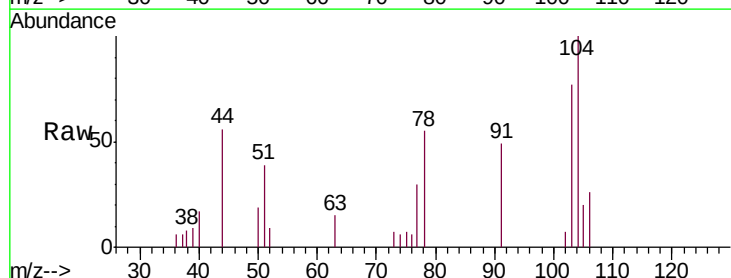
Acq: 29 Nov 2019 09:58

Tgt Ion:104 Resp: 4344

Ion Ratio Lower Upper

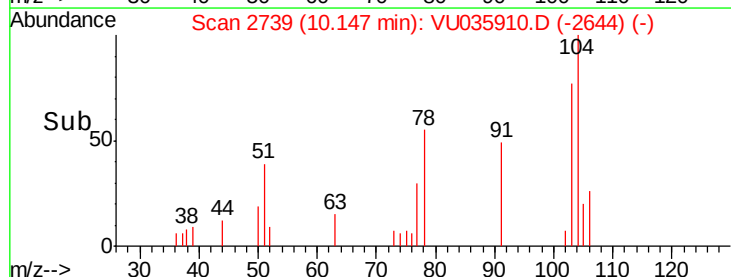
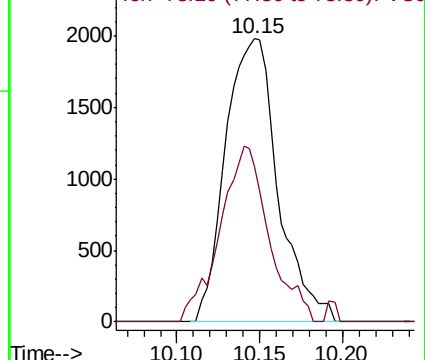
104 100

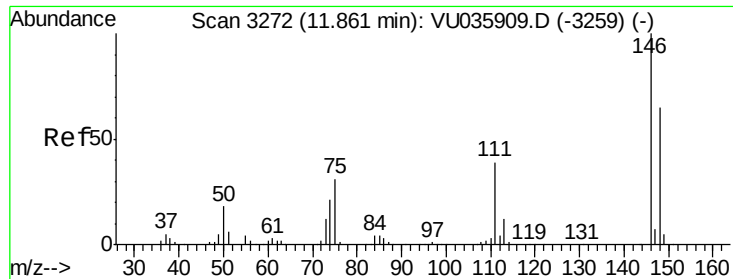
78 54.8 33.9 62.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0

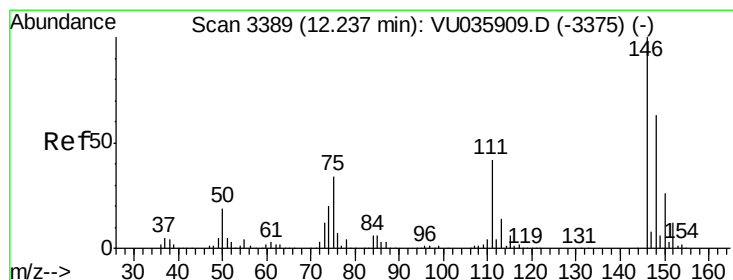
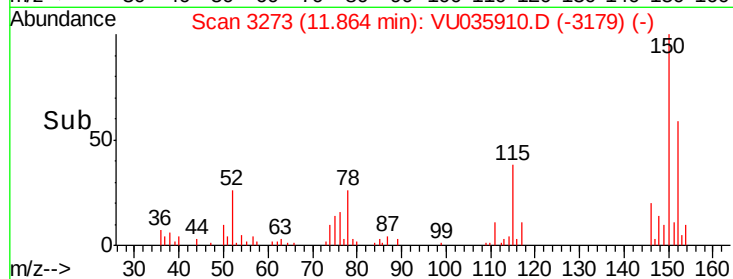
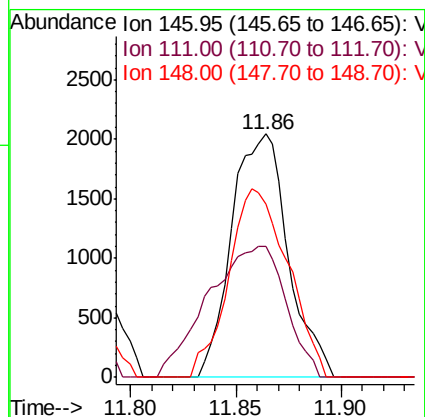
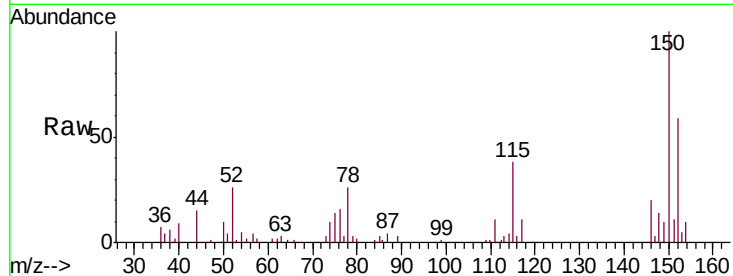




#63
 1,4-Dichlorobenzene
 Concen: 0.105 ug/L
 RT: 11.86 min Scan# 3273
 Delta R.T. 0.00 min
 Lab File: VU035910.D
 Acq: 29 Nov 2019 09:58

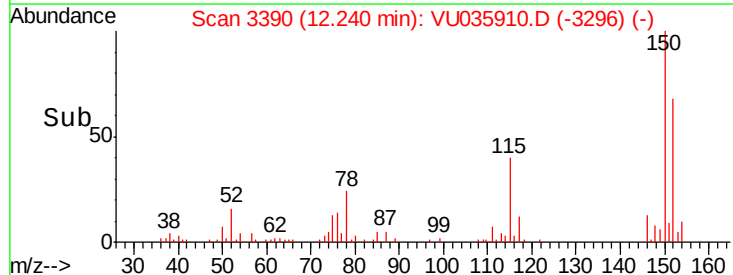
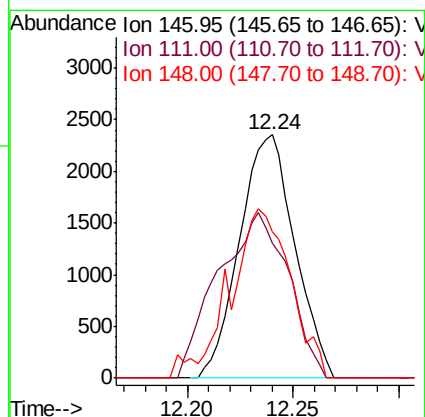
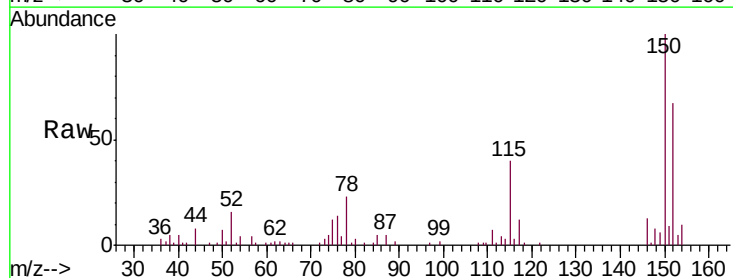
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK17

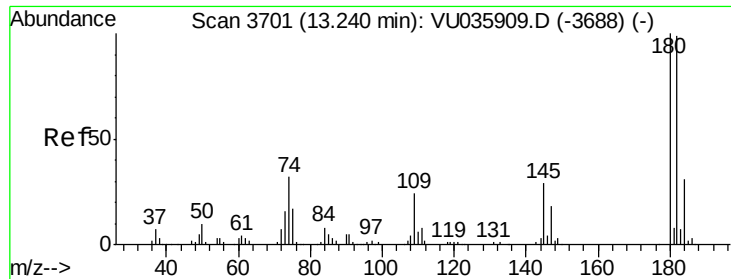
Tgt Ion:146 Resp: 3791
 Ion Ratio Lower Upper
 146 100
 111 53.9 27.9 51.7#
 148 71.0 44.2 82.2



#65
 1,2-Dichlorobenzene
 Concen: 0.122 ug/L
 RT: 12.24 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU035910.D
 Acq: 29 Nov 2019 09:58

Tgt Ion:146 Resp: 4285
 Ion Ratio Lower Upper
 146 100
 111 55.3 35.4 53.0#
 148 60.0 50.8 76.2





#67
 1,3,5-Trichlorobenzene
 Concen: 0.101 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU035910.D
 Acq: 29 Nov 2019 09:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.6	113.4
184	23.7	24.1	36.1
145	26.3	23.7	35.5

