

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110518\
 Data File : VU027962.D
 Acq On : 05 Nov 2018 17:05
 Operator : MD/SY
 Sample : PB114473ZHE#17
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#17

Quant Time: Nov 06 03:25:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	193131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	357106	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	321709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	139378	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	154880	53.94	ug/l	0.00
Spiked Amount			Recovery	=	107.88%	
35) Dibromofluoromethane	4.89	113	117173	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	
50) Toluene-d8	7.57	98	461729	53.09	ug/l	0.00
Spiked Amount			Recovery	=	106.18%	
62) 4-Bromofluorobenzene	10.31	95	158570	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	

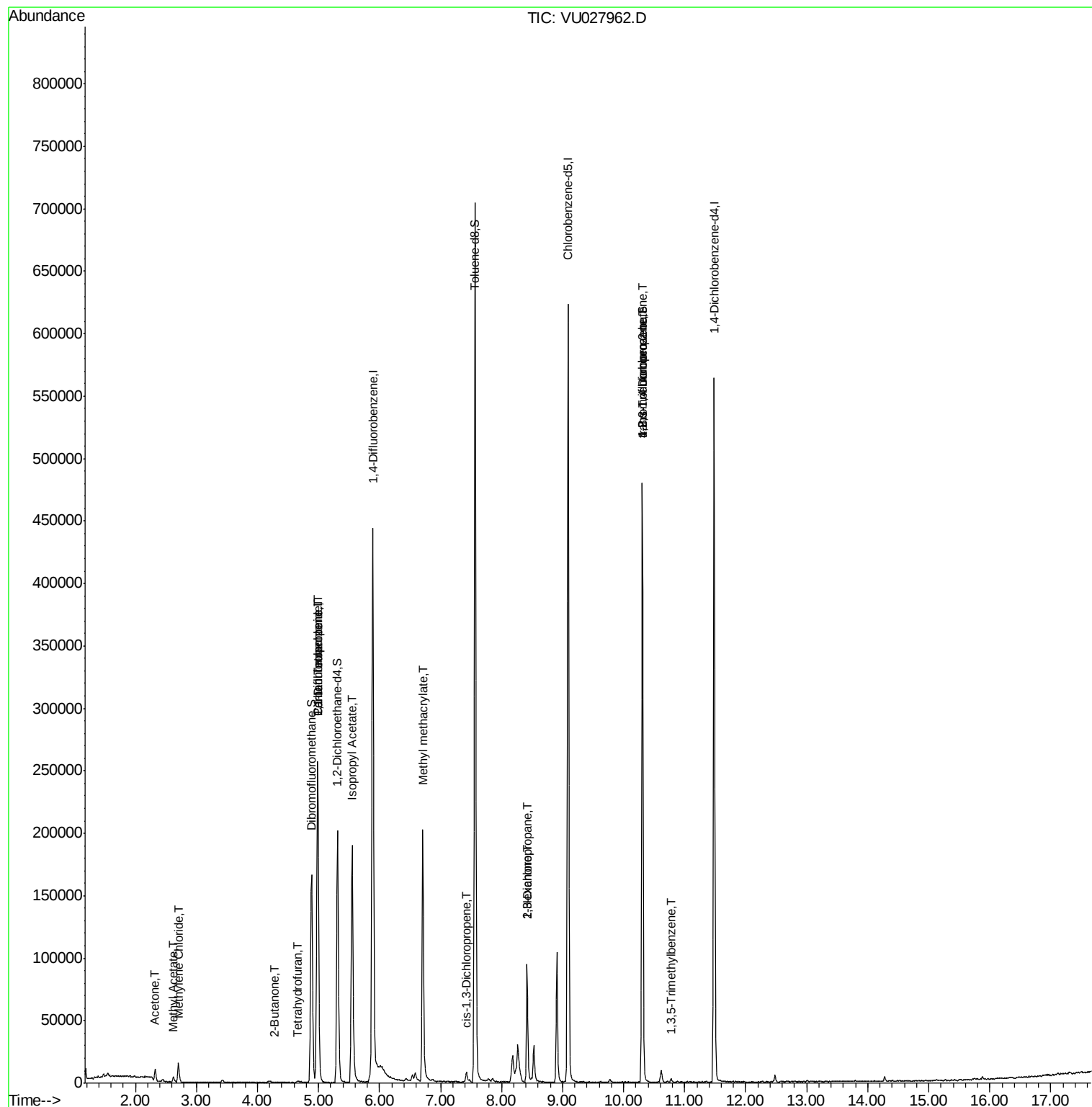
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.19	56	41	Below Cal	#	1
16) Acetone	2.32	43	9791	5.496	ug/l	91
18) Methyl Acetate	2.62	43	5656	1.154	ug/l	97
20) Methylene Chloride	2.70	84	6270	2.410	ug/l	97
25) 2-Butanone	4.29	43	675	0.238	ug/l #	54
29) Tetrahydrofuran	4.65	42	452	0.239	ug/l #	52
31) Cyclohexane	4.99	56	4591	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	16725	4.472	ug/l #	49
38) Carbon Tetrachloride	4.99	117	18971	5.724	ug/l #	16
43) Isopropyl Acetate	5.55	43	233223	27.164	ug/l	100
48) Methyl methacrylate	6.71	41	18533	4.405	ug/l #	46
54) cis-1,3-Dichloropropene	7.42	75	1244	0.276	ug/l #	66
57) 1,3-Dichloropropane	8.41	76	1056	0.212	ug/l #	43
59) 2-Hexanone	8.42	43	14223	3.207	ug/l #	54
76) 1,2,3-Trichloropropane	10.31	75	81450	21.365	ug/l #	35
80) 1,3,5-Trimethylbenzene	10.77	105	1901	0.213	ug/l	90
81) trans-1,4-Dichloro-2-buten	10.31	75	81450	53.325	ug/l #	100
95) Naphthalene	13.79	128	46	Below Cal	#	69

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU110518\
Data File : VU027962.D
Acq On : 05 Nov 2018 17:05
Operator : MD/SY
Sample : PB114473ZHE#17
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#17

Quant Time: Nov 06 03:25:37 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027962.D

Acq: 05 Nov 2018 17:05

Instrument :

MSVOA_U

ClientSampleId :

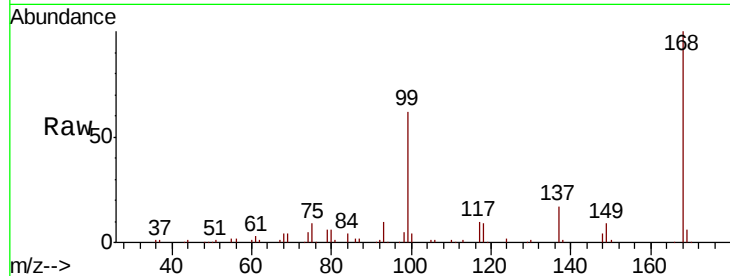
PB114473ZHE#17

Tot Ion:168 Resp: 193131

Ion Ratio Lower Upper

168 100

99 62.3 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

4.99

80000

60000

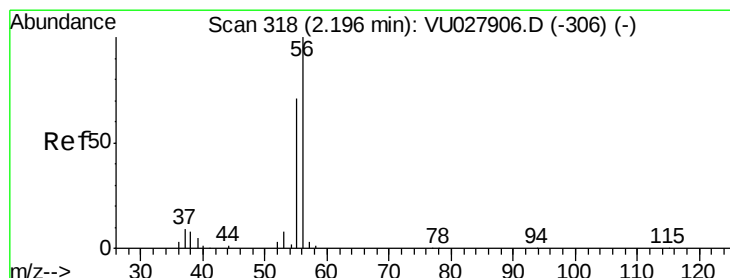
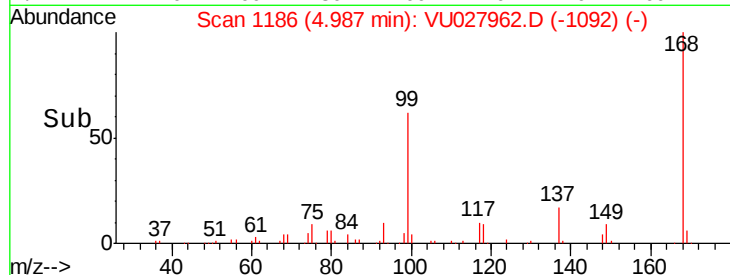
40000

20000

0

Time-->

4.90 5.00 5.10



#13

Acrolein

Concen: Below Cal

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU027962.D

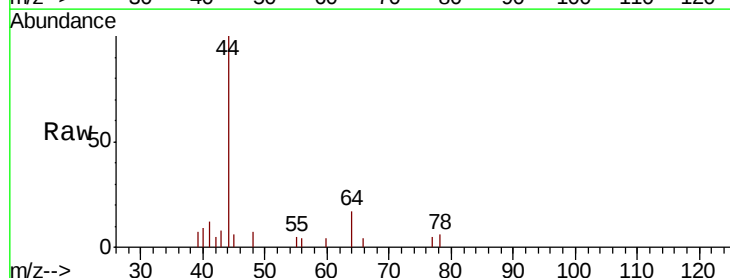
Acq: 05 Nov 2018 17:05

Tgt Ion: 56 Resp: 41

Ion Ratio Lower Upper

56 100

55 275.6 56.2 84.4#



Abundance Ion 56.00 (55.70 to 56.70): VU027906.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU027906.D (-306) (-)

2.19

150

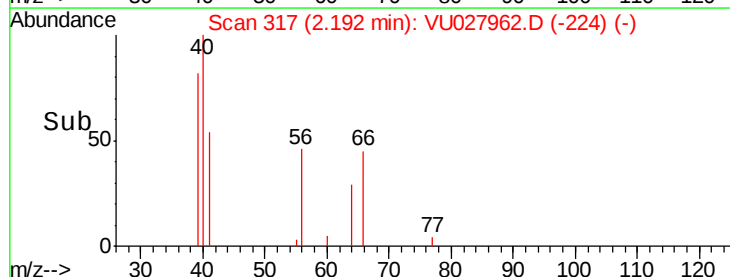
100

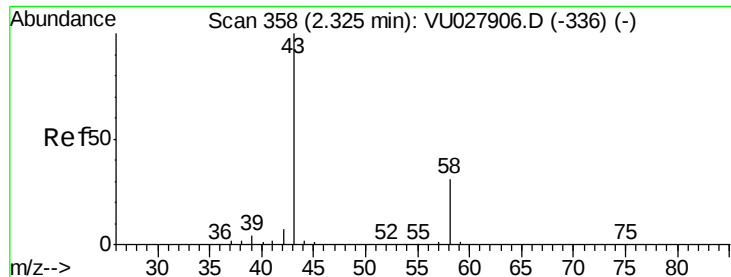
50

0

Time-->

2.18 2.19 2.20





#16

Acetone

Concen: 5.496 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027962.D

Acq: 05 Nov 2018 17:05

Instrument :

MSVOA_U

ClientSampleId :

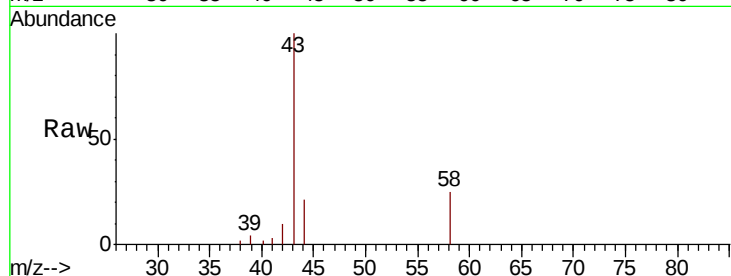
PB114473ZHE#17

Tot Ion: 43 Resp: 9791

Ion Ratio Lower Upper

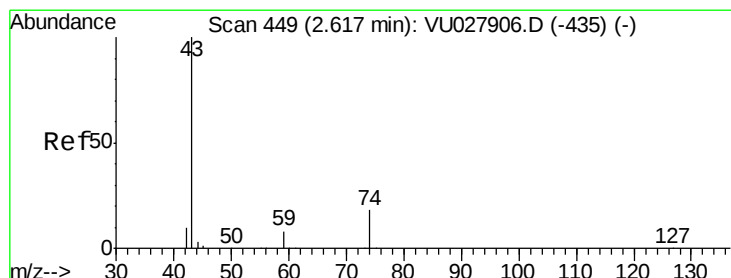
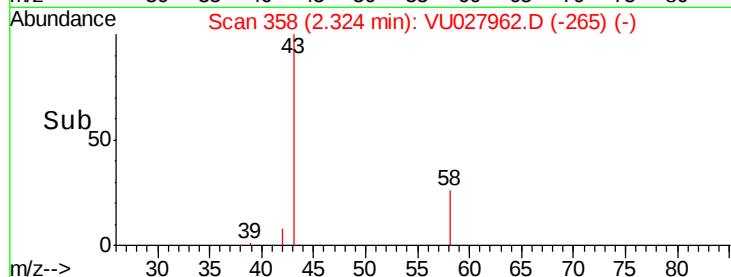
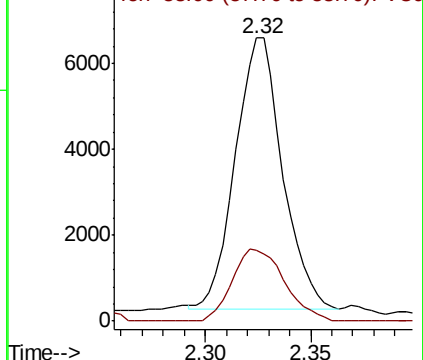
43 100

58 26.0 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 1.154 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU027962.D

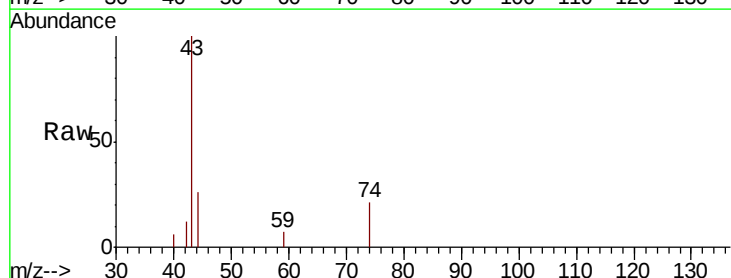
Acq: 05 Nov 2018 17:05

Tgt Ion: 43 Resp: 5656

Ion Ratio Lower Upper

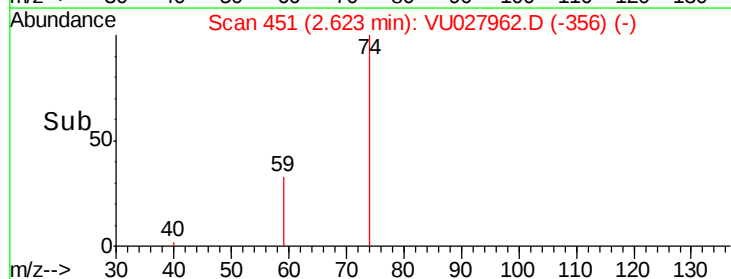
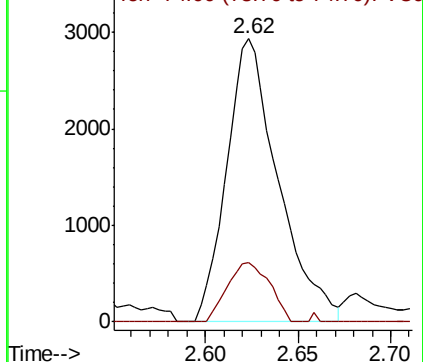
43 100

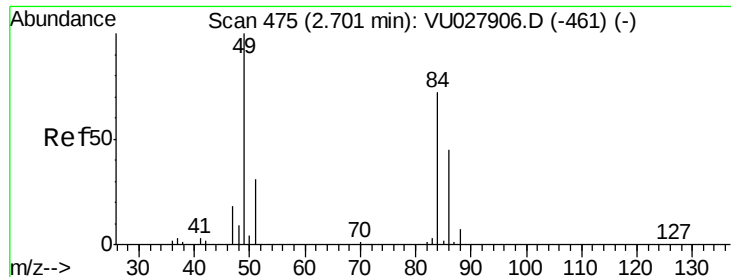
74 17.3 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

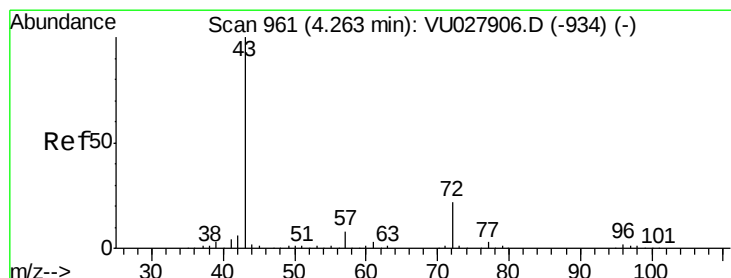
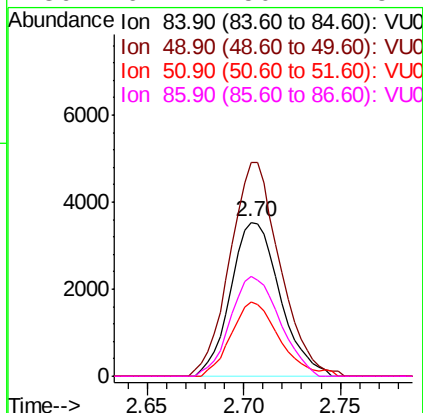
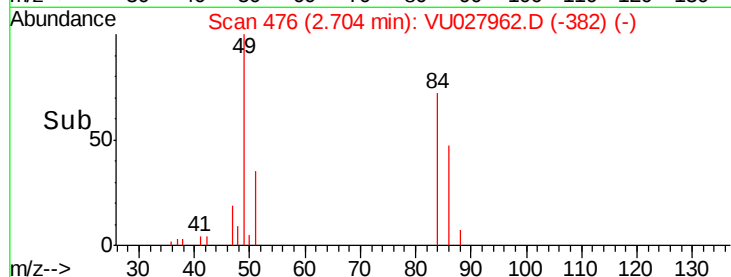
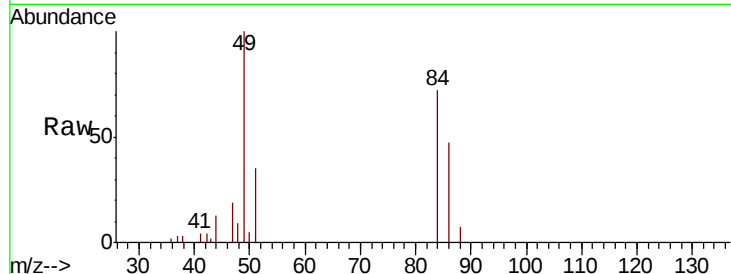




#20
Methvlene Chloride
Concen: 2.410 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027962.D
Acq: 05 Nov 2018 17:05

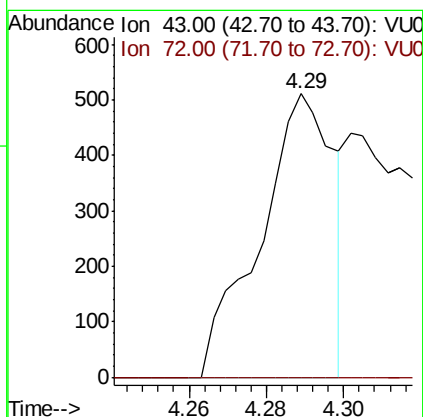
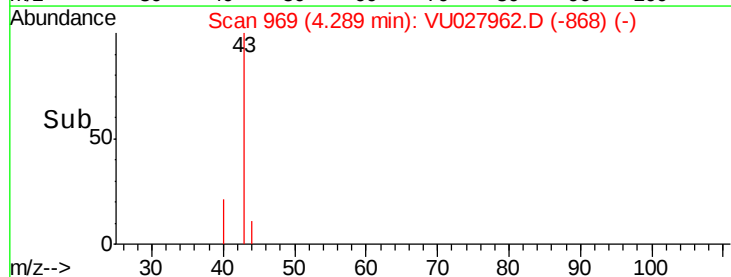
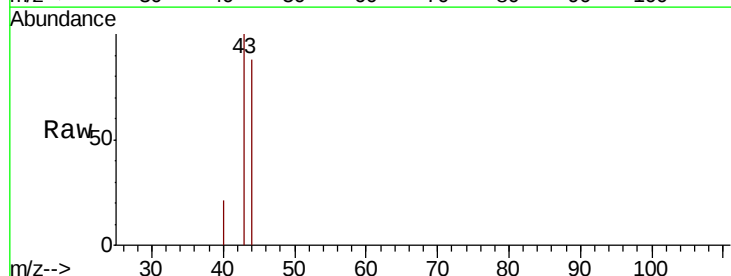
Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#17

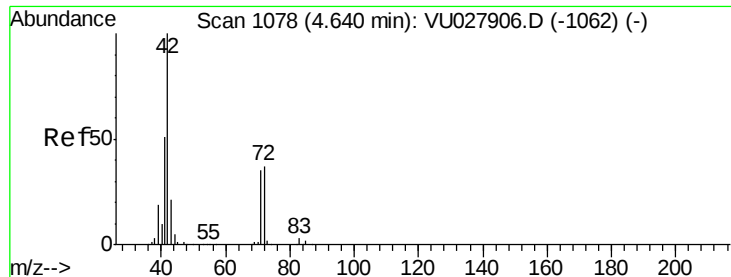
Tot Ion:	84	Resp:	6270
Ion	Ratio	Lower	Upper
84	100		
49	138.6	111.6	167.4
51	48.6	34.8	52.2
86	64.7	50.1	75.1



#25
2-Butanone
Concen: 0.238 ug/l
RT: 4.29 min Scan# 969
Delta R.T. 0.03 min
Lab File: VU027962.D
Acq: 05 Nov 2018 17:05

Tgt Ion:	43	Resp:	675
Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#

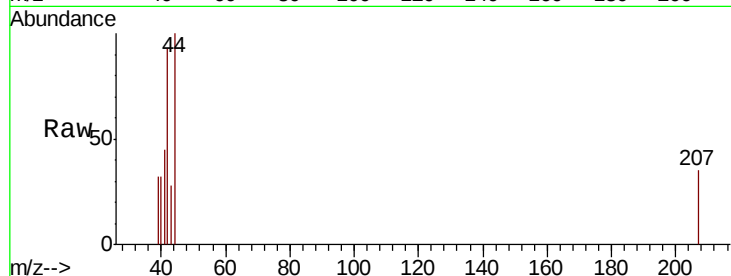




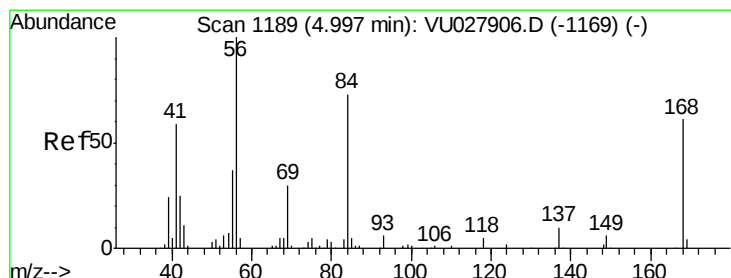
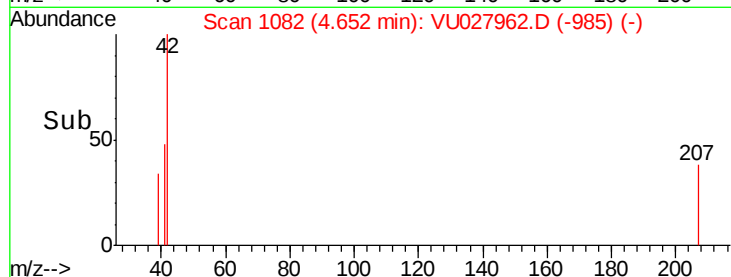
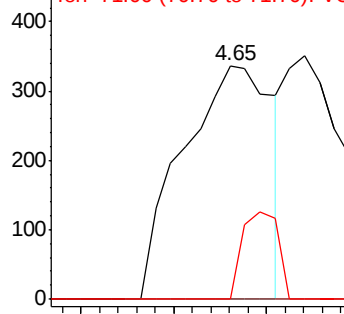
#29
Tetrahydrofuran
Concen: 0.239 ug/l
RT: 4.65 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VU027962.D
Acq: 05 Nov 2018 17:05

Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#17

Tot Ion: 42 Resp: 452
Ion Ratio Lower Upper
42 100
72 0.0 29.4 44.0#
71 15.0 27.9 41.9#

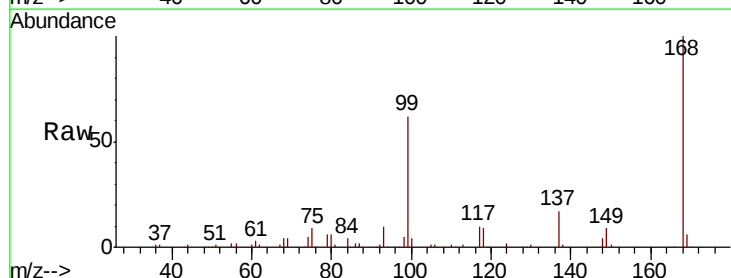


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

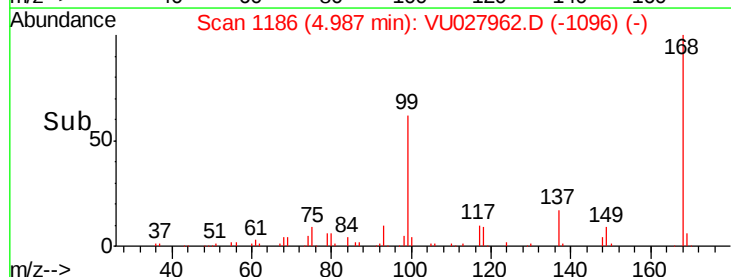
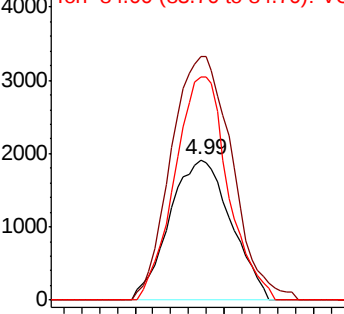


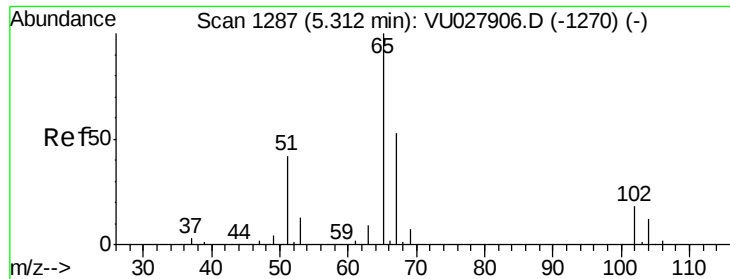
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027962.D
Acq: 05 Nov 2018 17:05

Tgt Ion: 56 Resp: 4591
Ion Ratio Lower Upper
56 100
69 173.8 23.7 35.5#
84 158.9 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

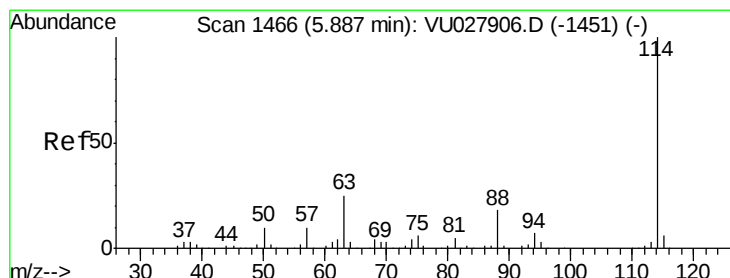
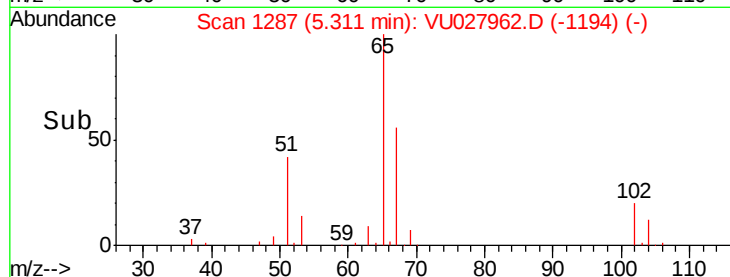
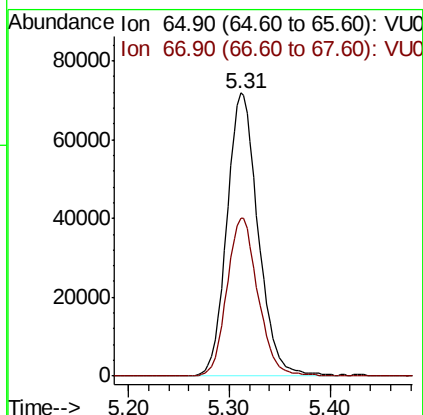
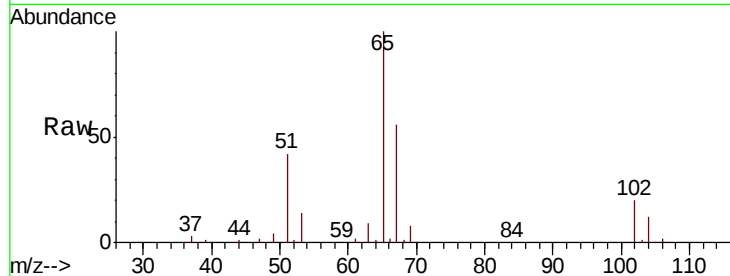




#33
 1,2-Dichloroethane-d4
 Concen: 53.939 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027962.D
 Acq: 05 Nov 2018 17:05

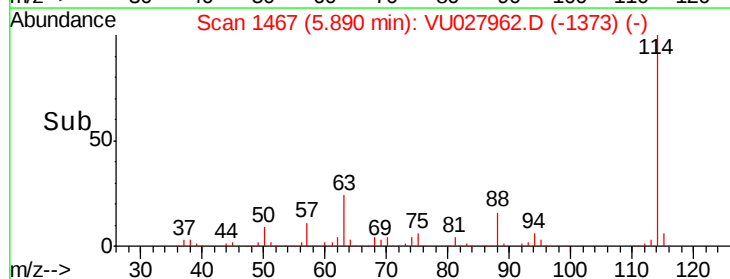
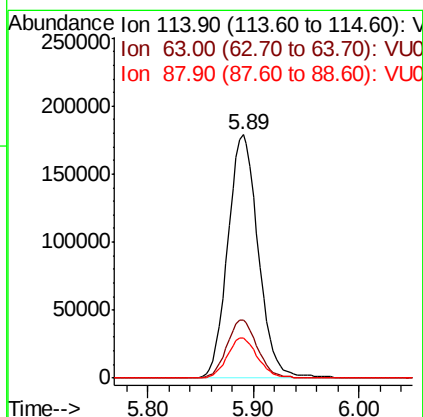
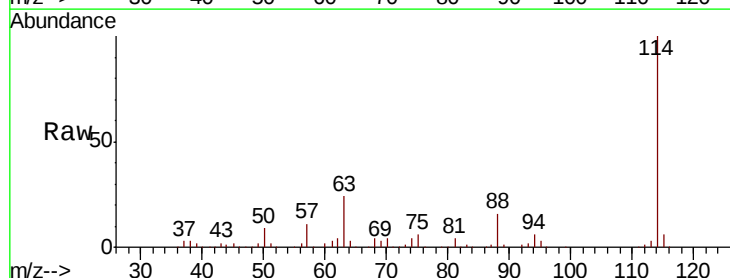
Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#17

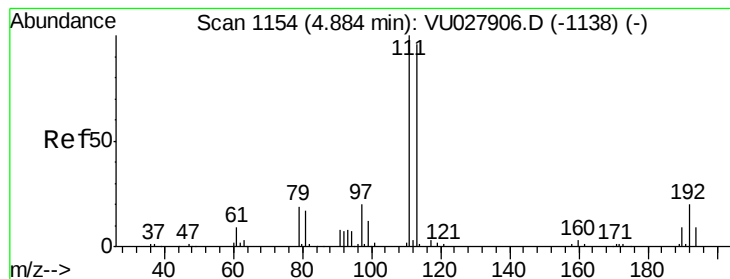
Tot Ion: 65 Resp: 154880
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027962.D
 Acq: 05 Nov 2018 17:05

Tgt Ion: 114 Resp: 357106
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 50.8
 88 16.5 0.0 35.8





#35

Dibromofluoromethane

Concen: 52.040 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027962.D

Acq: 05 Nov 2018 17:05

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#17

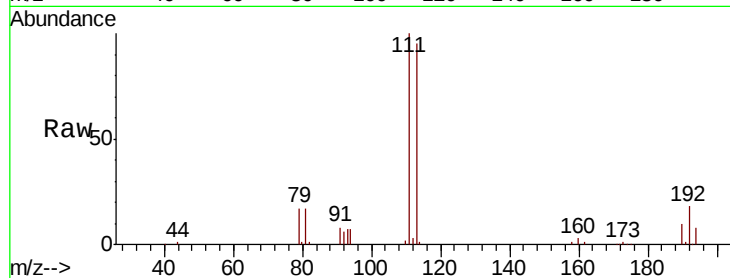
Tot Ion:113 Resp: 117173

Ion Ratio Lower Upper

113 100

111 102.4 83.0 124.6

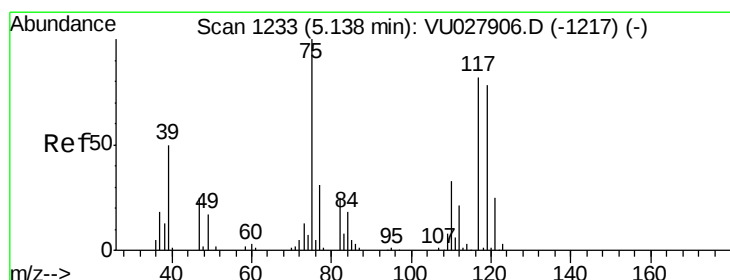
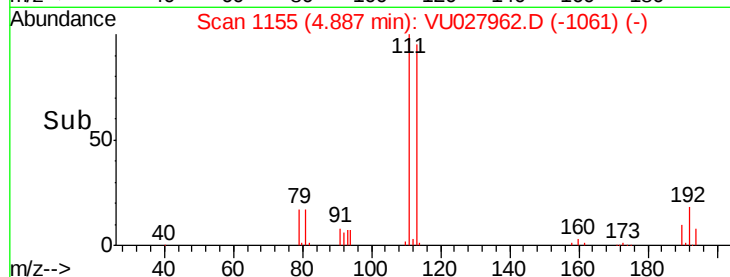
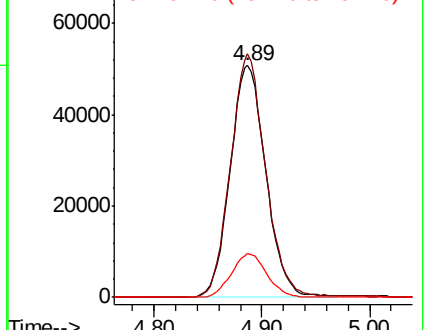
192 18.8 15.6 23.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.472 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027962.D

Acq: 05 Nov 2018 17:05

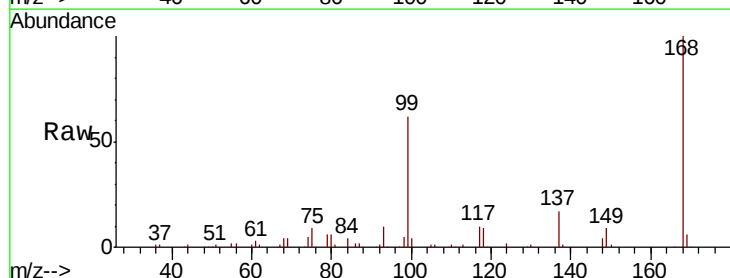
Tgt Ion: 75 Resp: 16725

Ion Ratio Lower Upper

75 100

110 6.7 16.5 49.5#

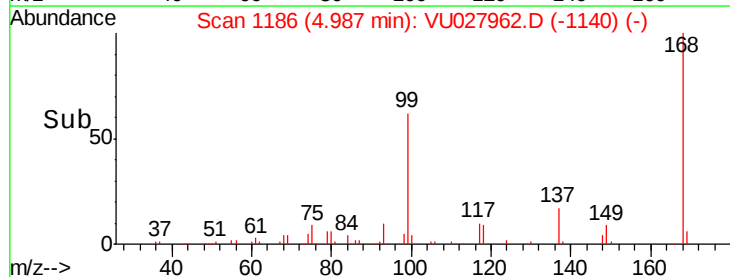
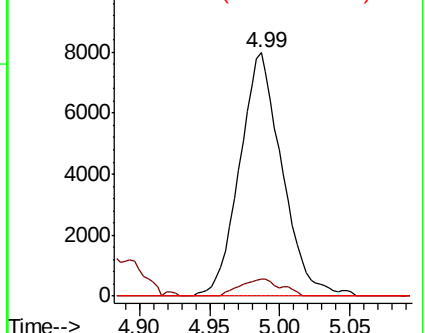
77 0.0 24.9 37.3#

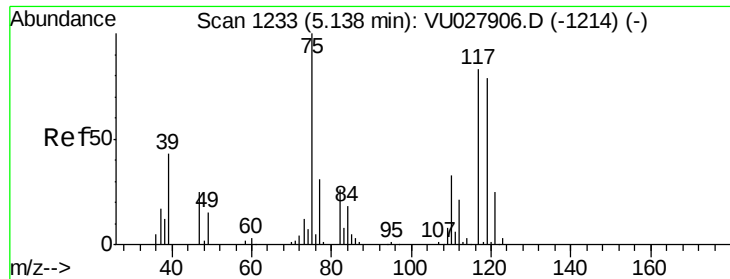


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 5.724 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027962.D

Acq: 05 Nov 2018 17:05

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#17

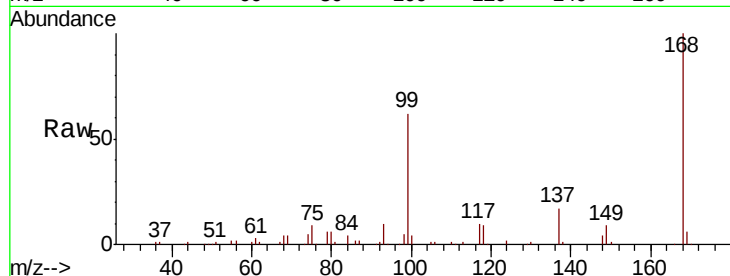
Tot Ion:117 Resp: 18971

Ion Ratio Lower Upper

117 100

119 4.4 76.0 114.0#

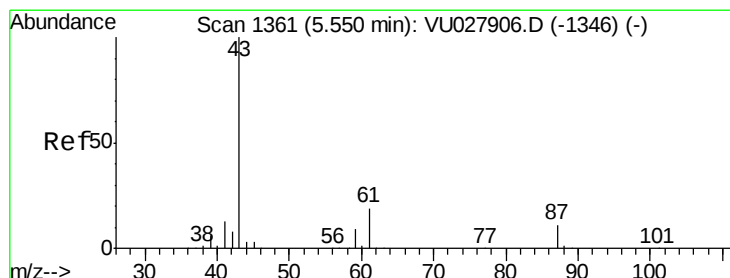
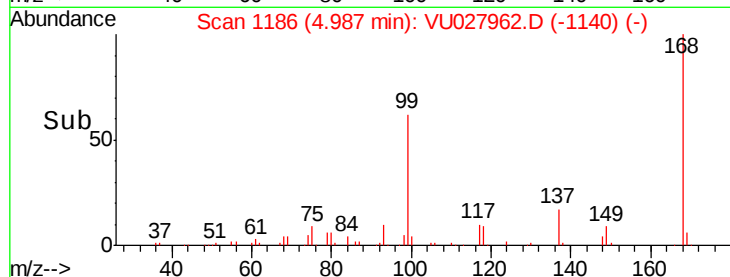
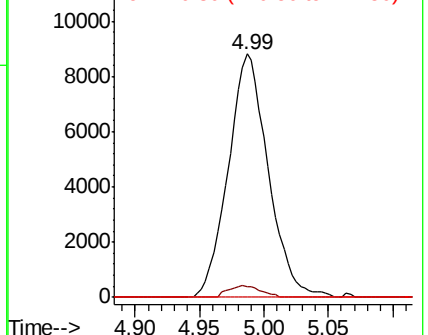
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 27.164 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027962.D

Acq: 05 Nov 2018 17:05

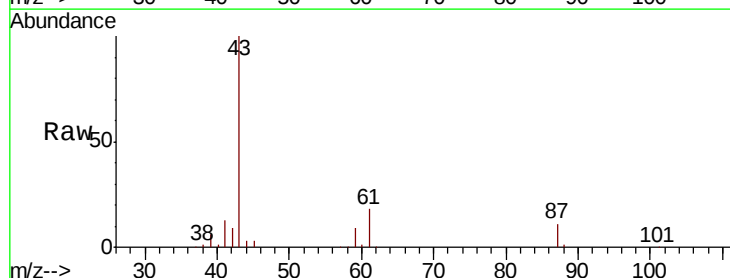
Tgt Ion: 43 Resp: 233223

Ion Ratio Lower Upper

43 100

61 18.7 15.0 22.4

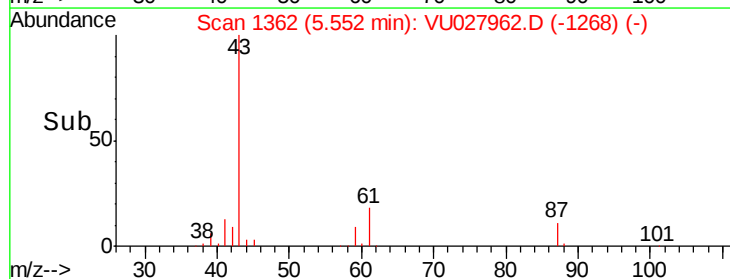
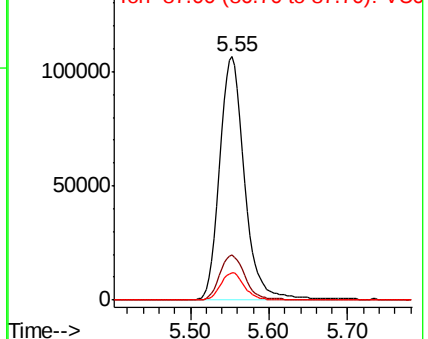
87 10.7 8.6 12.8

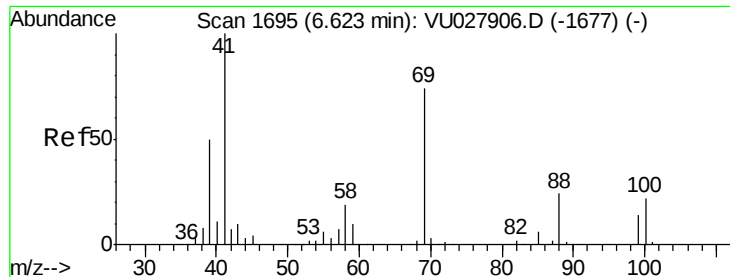


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

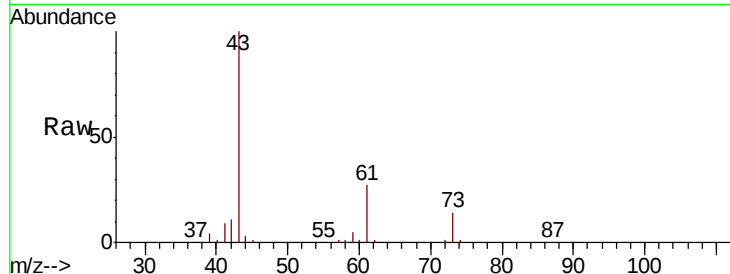




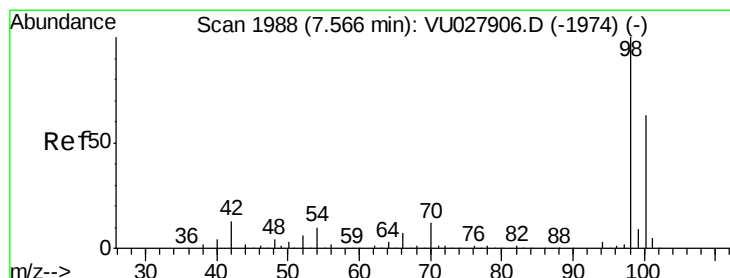
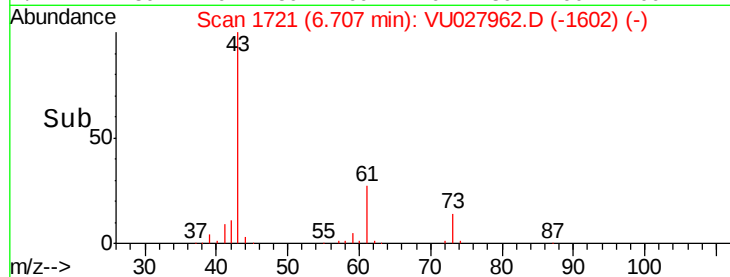
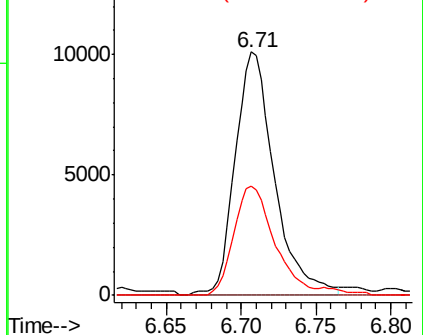
#48
Methvl methacrylate
Concen: 4.405 ug/l
RT: 6.71 min Scan# 1721
Delta R.T. 0.08 min
Lab File: VU027962.D
Acq: 05 Nov 2018 17:05

Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#17

Tot Ion: 41 Resp: 18533
Ion Ratio Lower Upper
41 100
69 0.0 59.8 89.8#
39 48.2 40.0 60.0

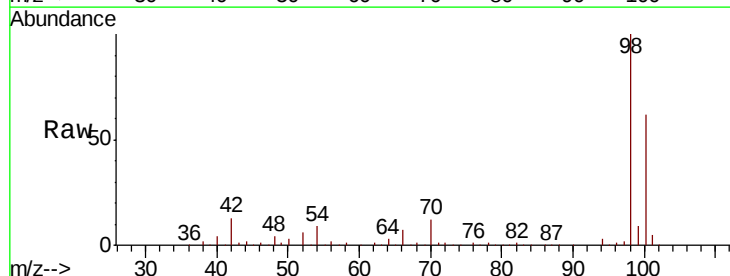


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

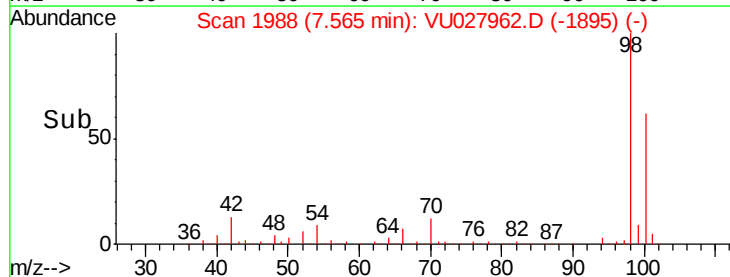
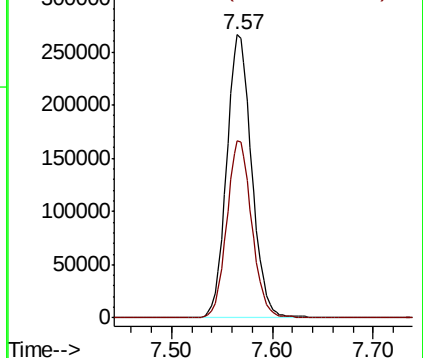


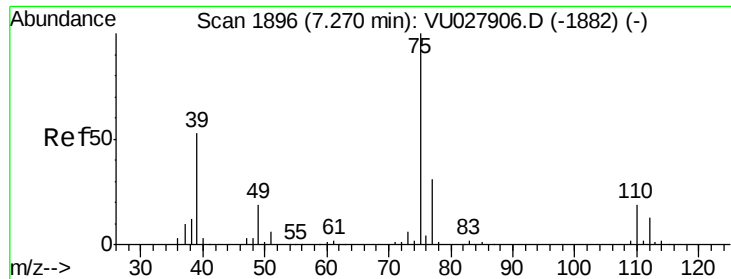
#50
Toluene-d8
Concen: 53.086 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027962.D
Acq: 05 Nov 2018 17:05

Tgt Ion: 98 Resp: 461729
Ion Ratio Lower Upper
98 100
100 62.4 50.1 75.1



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

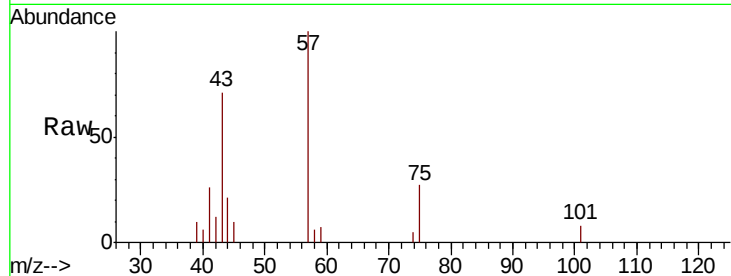




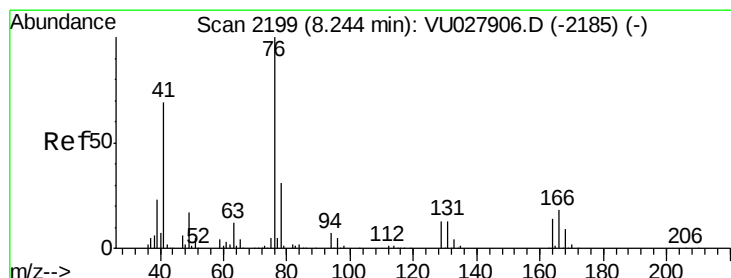
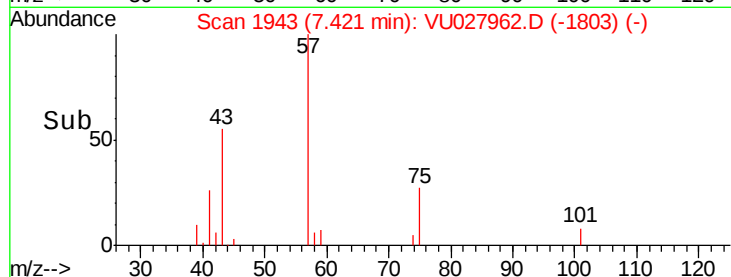
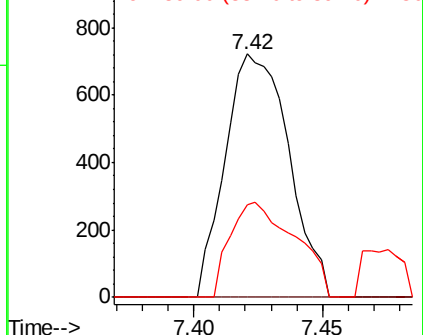
#54
 cis-1,3-Dichloropropene
 Concen: 0.276 ug/l
 RT: 7.42 min Scan# 1943
 Delta R.T. 0.15 min
 Lab File: VU027962.D
 Acq: 05 Nov 2018 17:05

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#17

Tot Ion: 75 Resp: 1244
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 37.0#
 39 37.8 42.6 64.0#

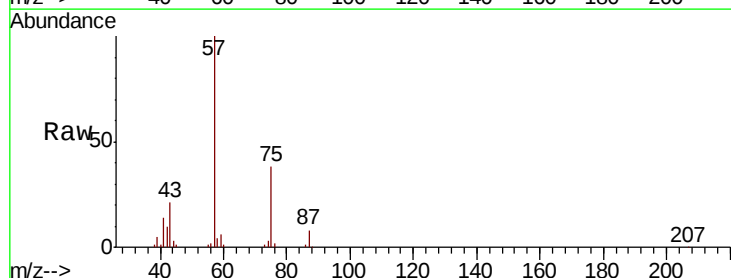


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 76.90 (76.60 to 77.60): VU0
 Ion 39.00 (38.70 to 39.70): VU0

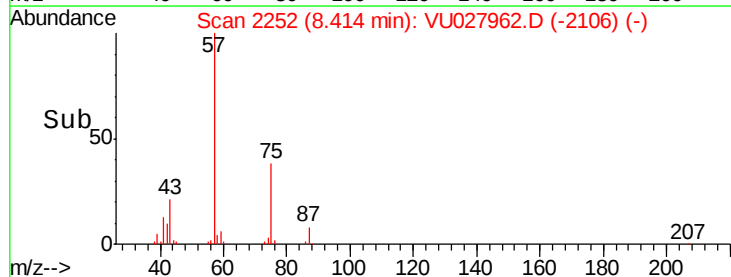
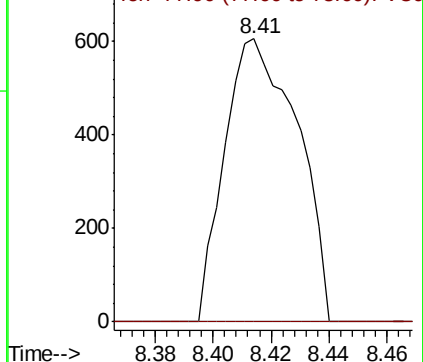


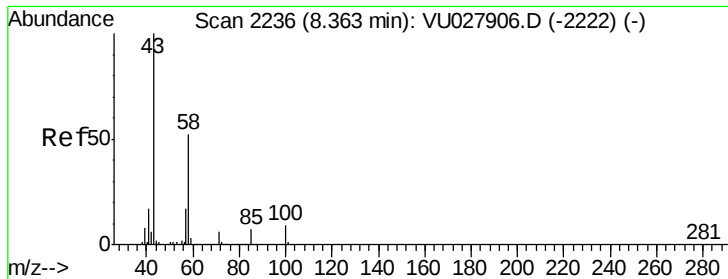
#57
 1,3-Dichloropropane
 Concen: 0.212 ug/l
 RT: 8.41 min Scan# 2252
 Delta R.T. 0.17 min
 Lab File: VU027962.D
 Acq: 05 Nov 2018 17:05

Tgt Ion: 76 Resp: 1056
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.3 37.9#



Abundance Ion 75.90 (75.60 to 76.60): VU0
 Ion 77.90 (77.60 to 78.60): VU0





#59

2-Hexanone

Concen: 3.207 ug/l

RT: 8.42 min Scan# 2253

Delta R.T. 0.05 min

Lab File: VU027962.D

Acq: 05 Nov 2018 17:05

Instrument :

MSVOA_U

ClientSampleId :

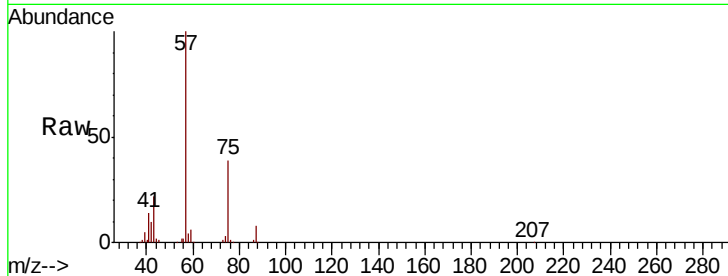
PB114473ZHE#17

Tot Ion: 43 Resp: 14223

Ion Ratio Lower Upper

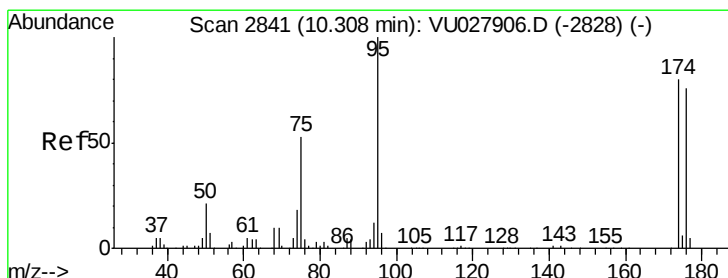
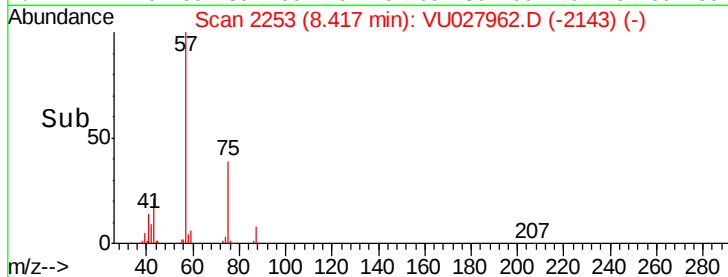
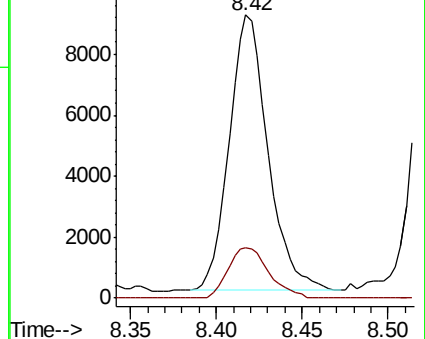
43 100

58 19.2 25.8 77.3#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#62

4-Bromofluorobenzene

Concen: 49.428 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027962.D

Acq: 05 Nov 2018 17:05

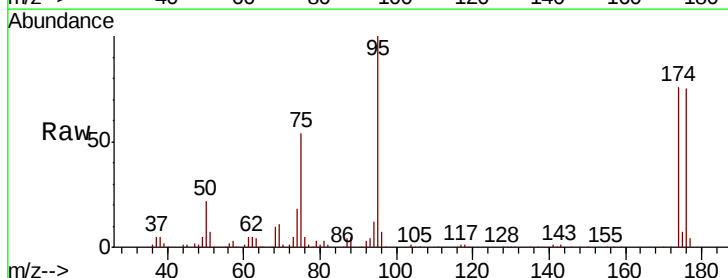
Tgt Ion: 95 Resp: 158570

Ion Ratio Lower Upper

95 100

174 75.5 0.0 156.4

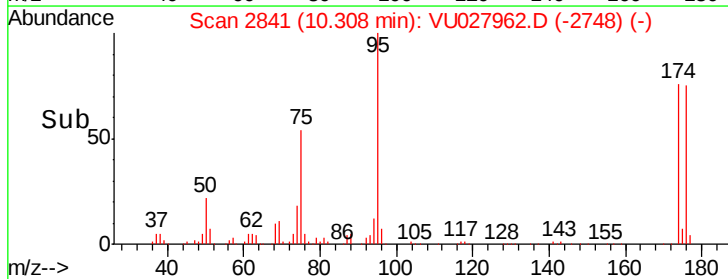
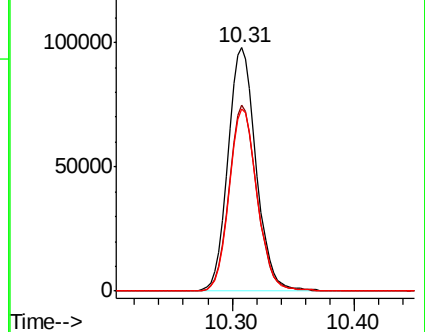
176 74.4 0.0 150.8

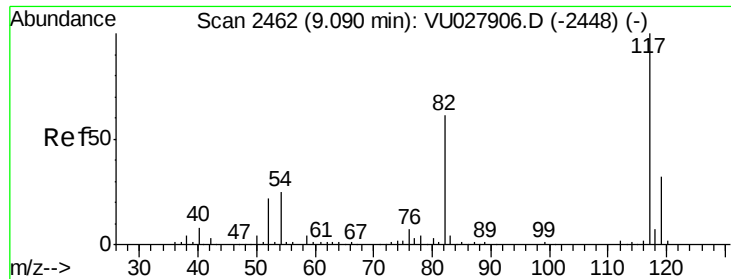


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

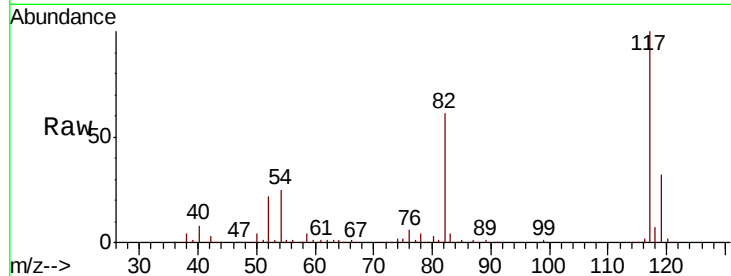




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027962.D
Acq: 05 Nov 2018 17:05

Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#17

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.1	48.6	73.0
119	31.7	25.8	38.8

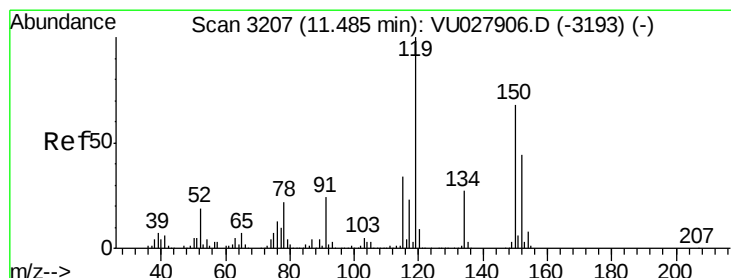
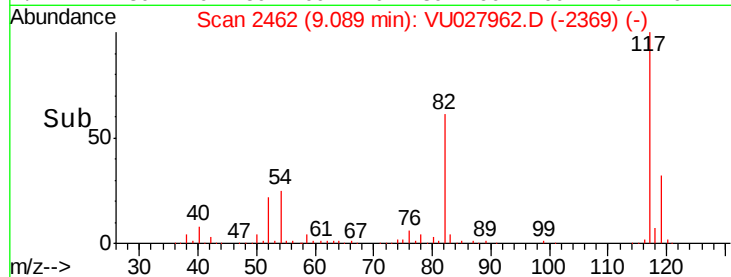
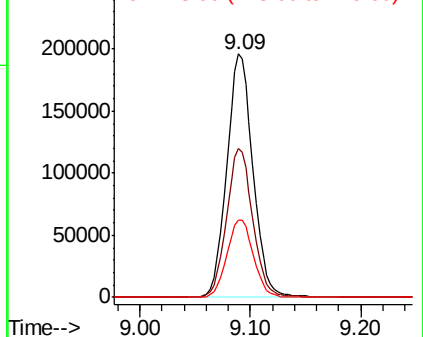


Abundance

Ion 116.90 (116.60 to 117.60): V

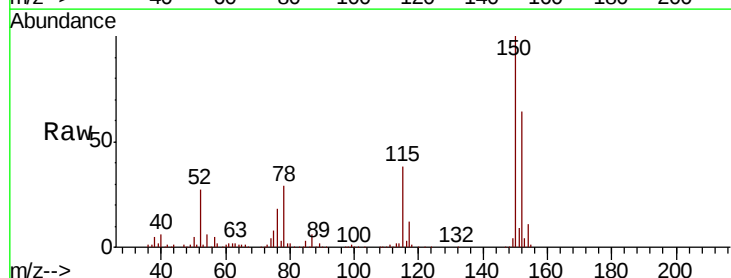
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027962.D
Acq: 05 Nov 2018 17:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	43.0	129.0
150	158.5	0.0	349.4

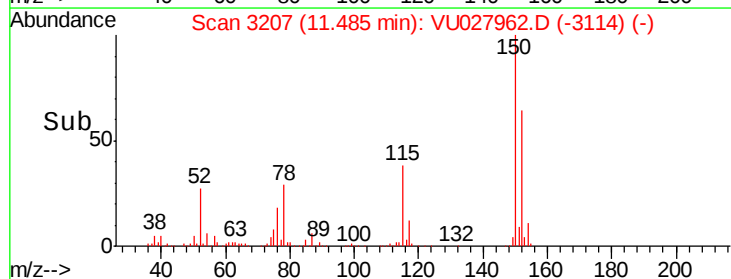
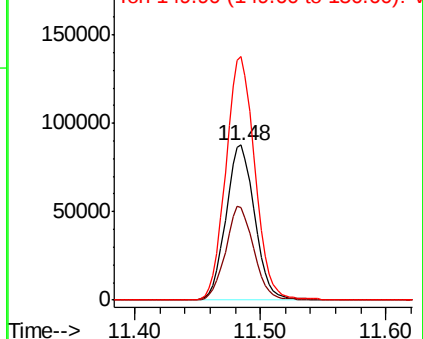


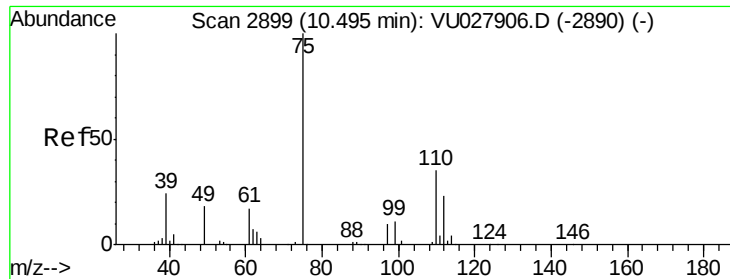
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.365 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027962.D

Acq: 05 Nov 2018 17:05

Instrument :

MSVOA_U

ClientSampleId :

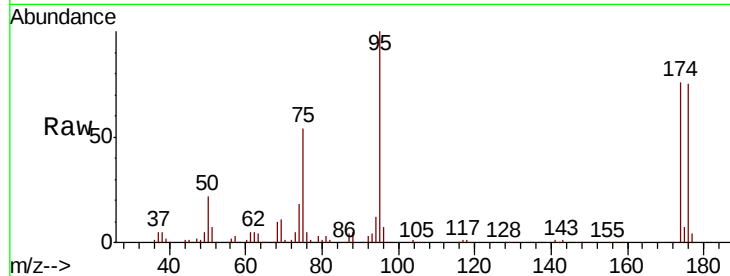
PB114473ZHE#17

Tot Ion: 75 Resp: 81450

Ion Ratio Lower Upper

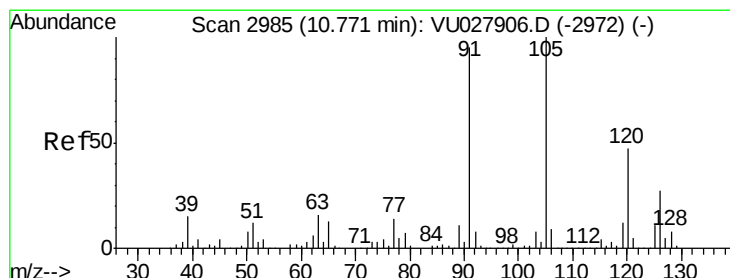
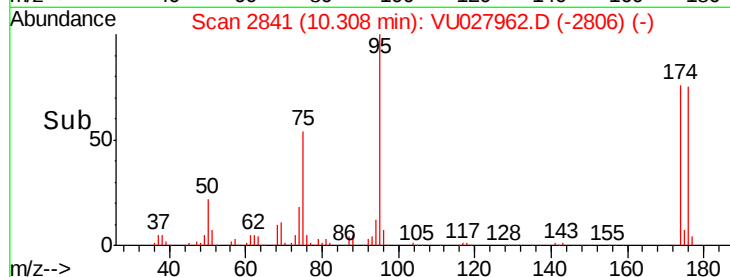
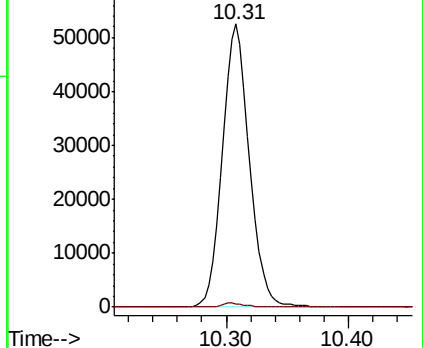
75 100

77 1.2 21.6 64.6#



Abundance Ion 74.90 (74.60 to 75.60): VU027906.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU027906.D (-2890) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.213 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027962.D

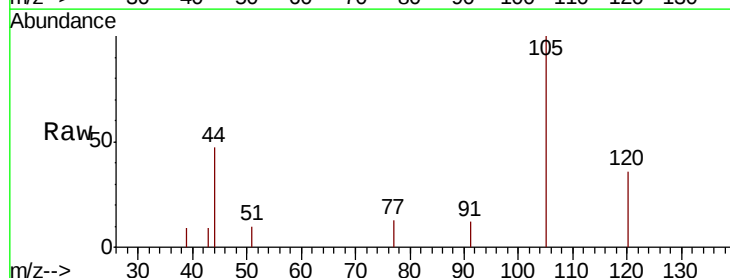
Acq: 05 Nov 2018 17:05

Tgt Ion: 105 Resp: 1901

Ion Ratio Lower Upper

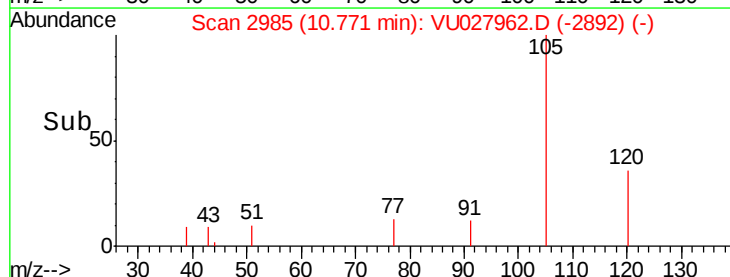
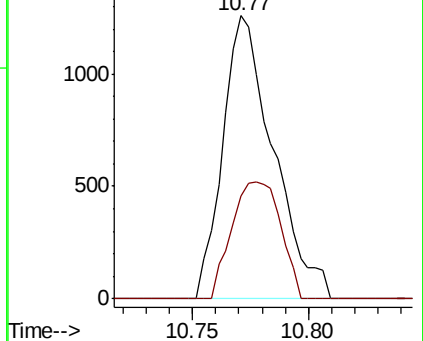
105 100

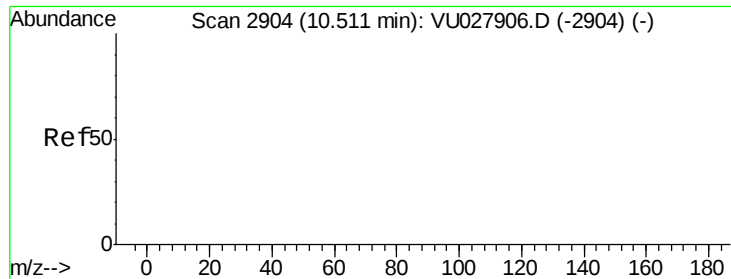
120 40.0 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VU027906.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU027906.D (-2972) (-)





#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.325 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.20 min
 Lab File: VU027962.D
 Acq: 05 Nov 2018 17:05

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#17

Tot Ion: 75 Resp: 81450
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

