

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080718\
 Data File : VU025942.D
 Acq On : 07 Aug 2018 16:12
 Operator : MD/SY
 Sample : J4363-02MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA4MS

Quant Time: Aug 08 04:22:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 07 12:44:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	376884	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	360640	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	205313	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	105721	50.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.24%
7) Chloroethane-d5	1.68	69	82071	52.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.80%
11) 1,1-Dichloroethene-d2	2.28	63	200777	49.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.28%
21) 2-Butanone-d5	4.18	46	148781	103.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.53%
24) Chloroform-d	4.65	84	209879	51.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.82%
26) 1,2-Dichloroethane-d4	5.31	65	140698	52.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.44%
32) Benzene-d6	5.35	84	411260	51.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.46%
36) 1,2-Dichloropropane-d6	6.33	67	128924	52.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.32%
41) Toluene-d8	7.57	98	396169	51.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.72%
43) trans-1,3-Dichloropropene-	7.85	79	66827	51.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.12%
47) 2-Hexanone-d5	8.31	63	104808	101.90	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.90%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	173879	50.79	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.58%
64) 1,2-Dichlorobenzene-d4	11.87	152	176660	52.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.16%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.28	96	87486	45.988	ug/L	92
13) Acetone	2.32	43	108070	63.529	ug/L	100
22) 2-Butanone	4.27	43	135427	63.677	ug/L	99
27) 1,2-Dichloroethane	5.40	62	9101	2.532	ug/L #	89
33) Benzene	5.39	78	453084	48.063	ug/L	100
34) Trichloroethene	6.19	95	118284	45.089	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	9962	2.901	ug/L	97
42) Toluene	7.64	91	562903	54.717	ug/L	99
51) Chlorobenzene	9.13	112	9060823	1286.242	ug/L	99
52) Ethylbenzene	9.25	91	18755	1.602	ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	620868	101.075	ug/L	98
63) 1,4-Dichlorobenzene	11.52	146	6555724	1047.562	ug/L	99
65) 1,2-Dichlorobenzene	11.89	146	6629898	1076.429	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	11887	12.700	ug/L #	3
67) 1,3,5-Trichlorobenzene	13.51	180	4458452	985.015	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	4458452	1134.955	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	1008741	250.633	ug/L	100

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QLast Update : Tue Aug 07 12:44:32 2018
Response via : Initial Calibration

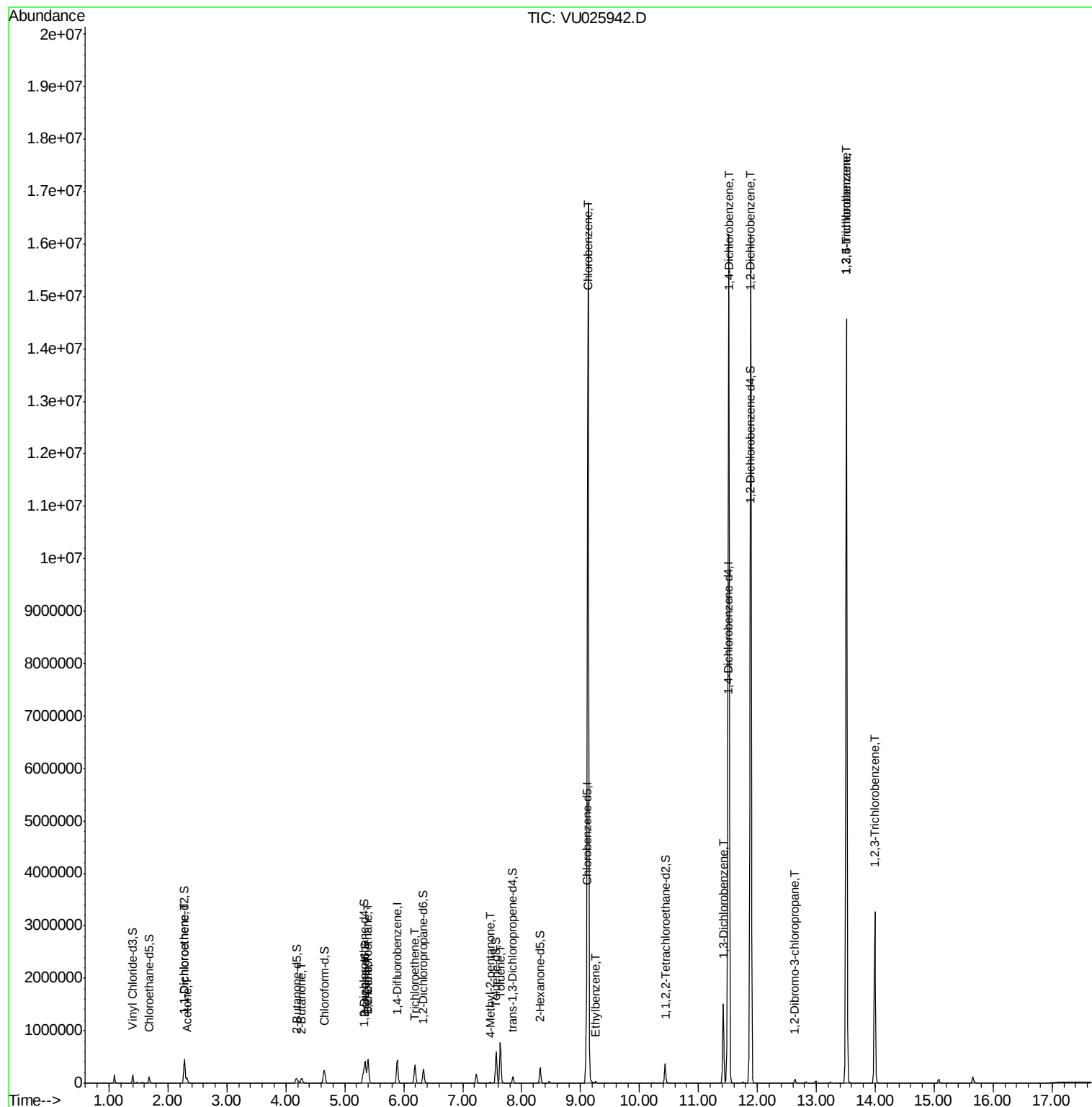
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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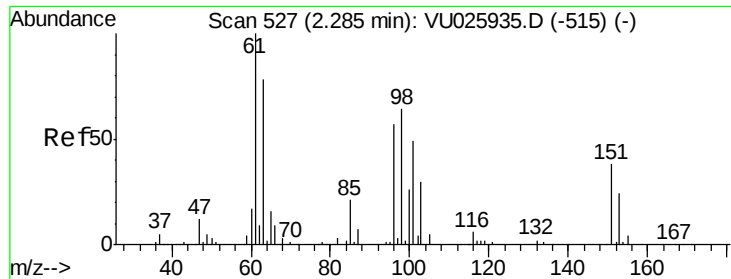
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VU025942.D
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Sample : J4363-02MS
Misc : 5.0mL/MSVOA_U/WATER
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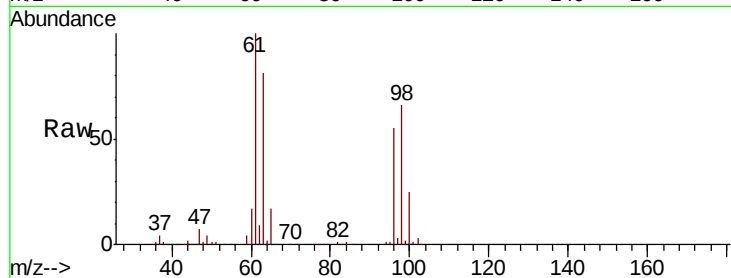




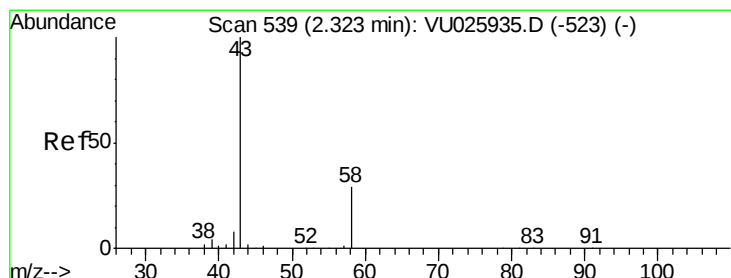
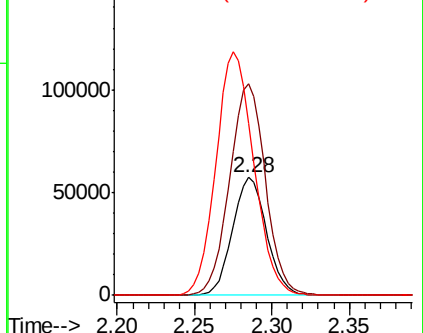
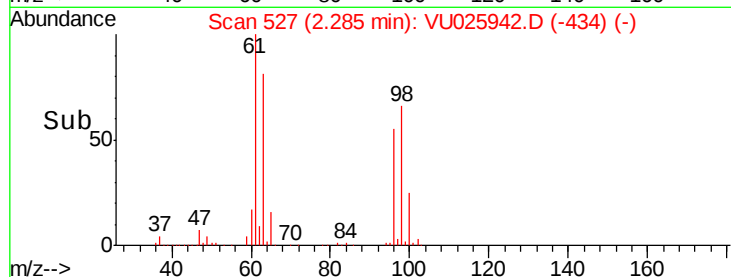
#12
 1,1-Dichloroethene
 Concen: 45.988 ug/L
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025942.D
 Acq: 07 Aug 2018 16:12

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA4MS

Tgt Ion	Resp	Lower	Upper
96	100		
61	180.2	122.5	227.5
63	146.2	90.9	168.9

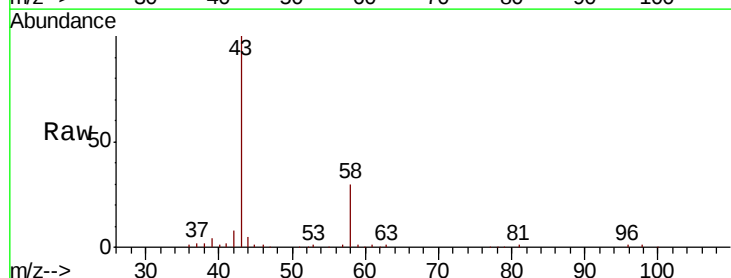


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 63.00 (62.70 to 63.70): VU0

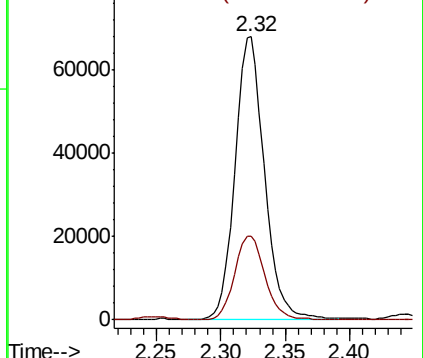
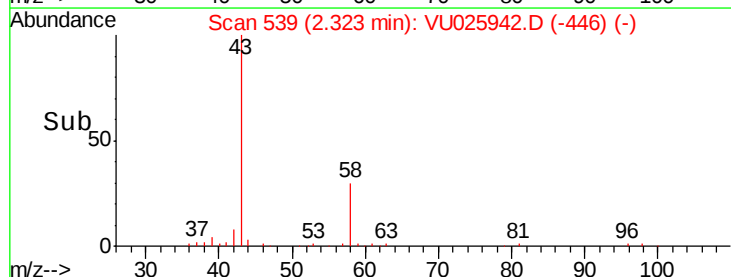


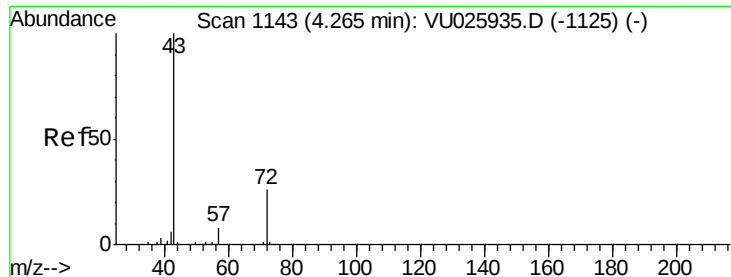
#13
 Acetone
 Concen: 63.529 ug/L
 RT: 2.32 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VU025942.D
 Acq: 07 Aug 2018 16:12

Tgt Ion	Resp	Lower	Upper
43	100		
58	30.5	0.0	61.2



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0





#22

2-Butanone

Concen: 63.677 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025942.D

Acq: 07 Aug 2018 16:12

Instrument :

MSVOA_U

ClientSampleId :

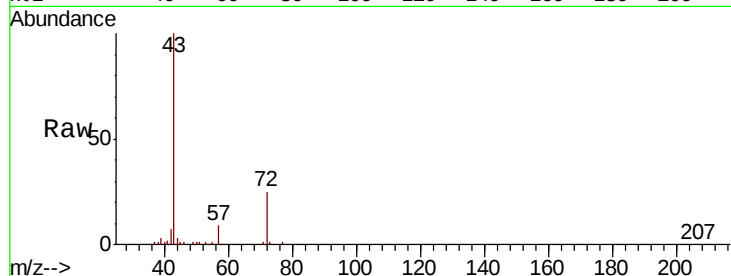
A4ZA4MS

Tgt Ion: 43 Resp: 135427

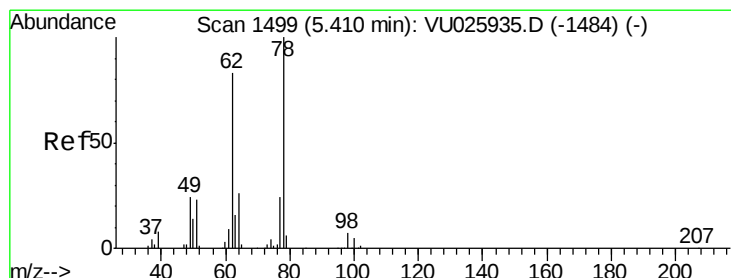
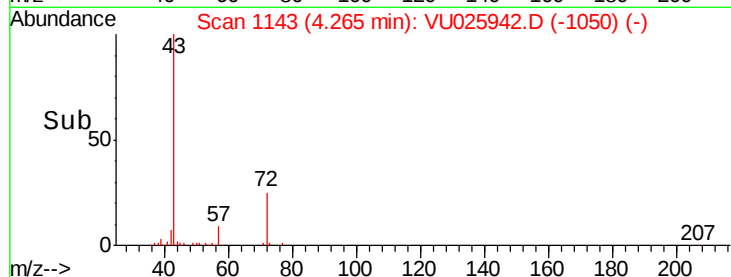
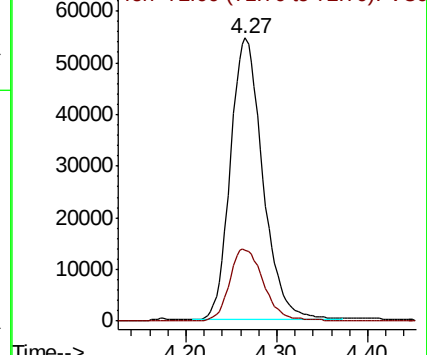
Ion Ratio Lower Upper

43 100

72 26.4 13.6 40.8



Abundance Ion 43.00 (42.70 to 43.70): VU025942.D (-1050) (-)



#27

1,2-Dichloroethane

Concen: 2.532 ug/L

RT: 5.40 min Scan# 1497

Delta R.T. -0.01 min

Lab File: VU025942.D

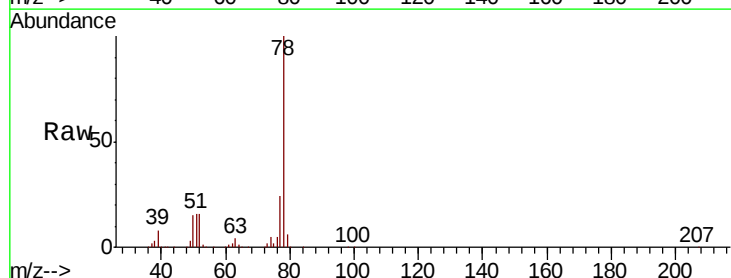
Acq: 07 Aug 2018 16:12

Tgt Ion: 62 Resp: 9101

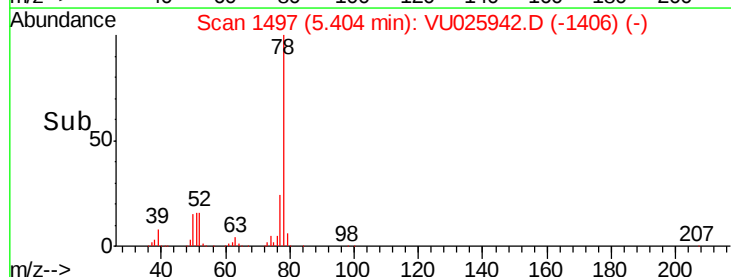
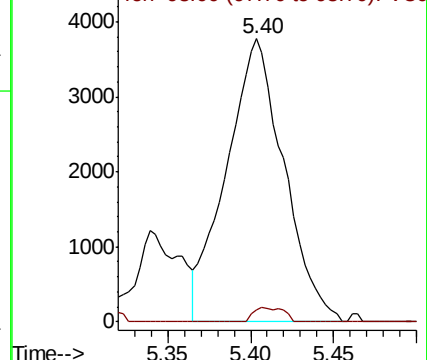
Ion Ratio Lower Upper

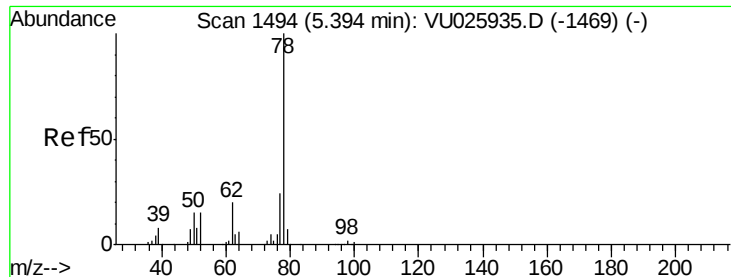
62 100

98 4.2 6.5 9.7#



Abundance Ion 62.00 (61.70 to 62.70): VU025942.D (-1406) (-)

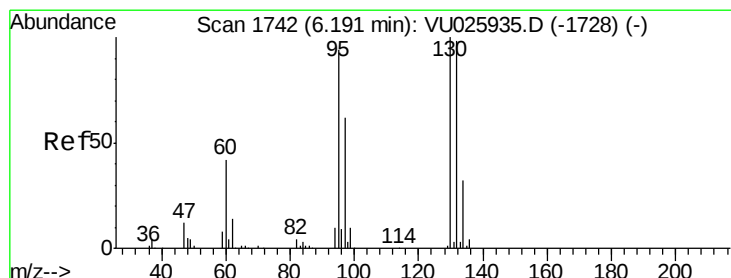
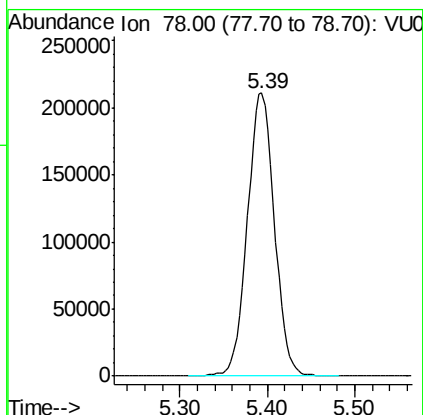
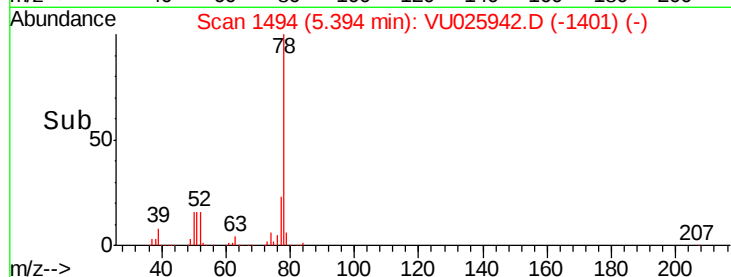
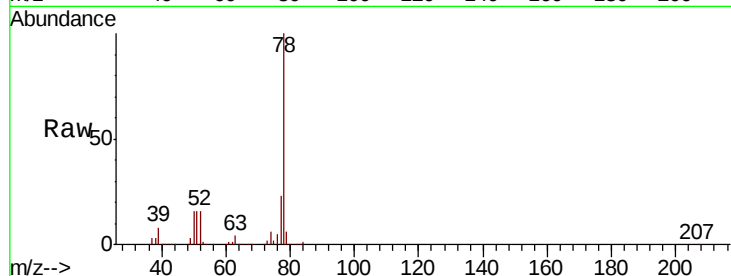




#33
Benzene
Concen: 48.063 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025942.D
Acq: 07 Aug 2018 16:12

Instrument :
MSVOA_U
ClientSampleId :
A4ZA4MS

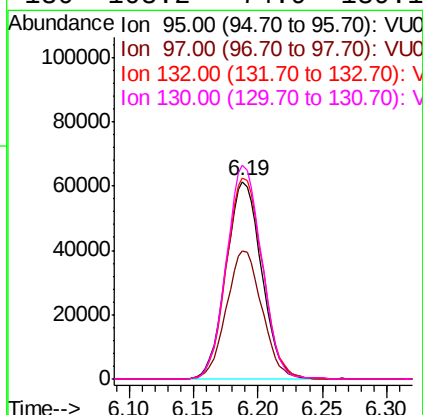
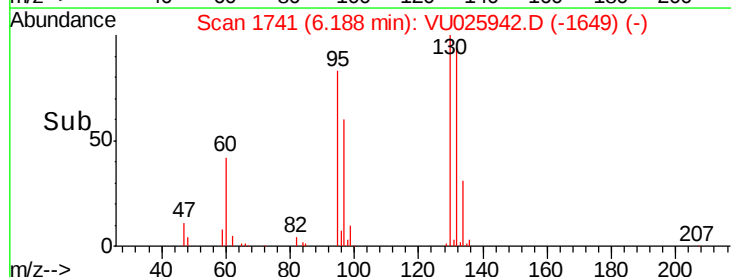
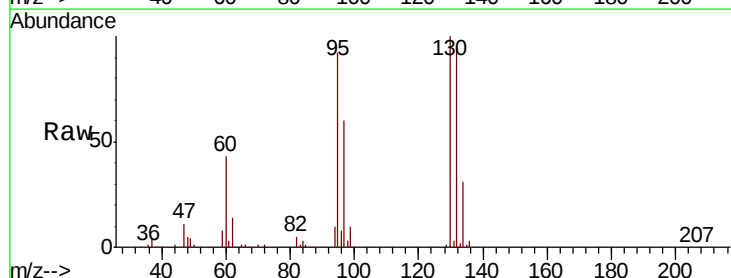
Tgt Ion: 78 Resp: 453084

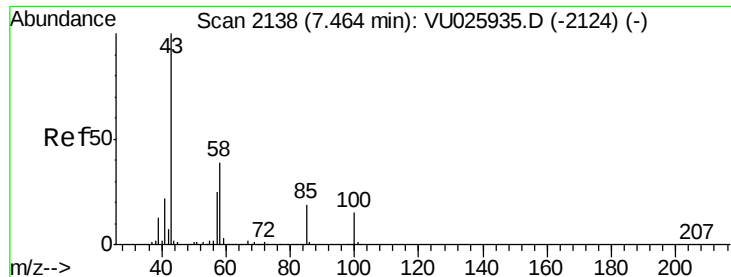


#34
Trichloroethene
Concen: 45.089 ug/L
RT: 6.19 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VU025942.D
Acq: 07 Aug 2018 16:12

Tgt Ion: 95 Resp: 118284

Ion	Ratio	Lower	Upper
95	100		
97	65.1	45.9	85.3
132	102.1	72.2	134.2
130	108.2	74.9	139.1

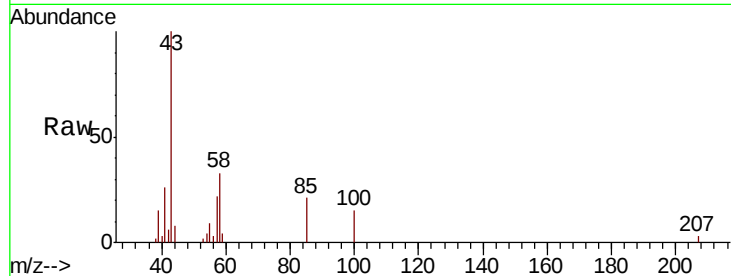




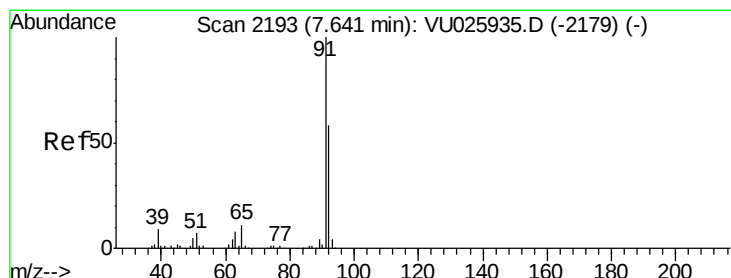
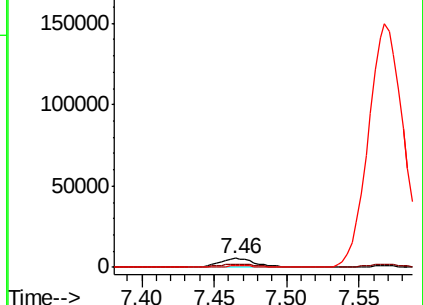
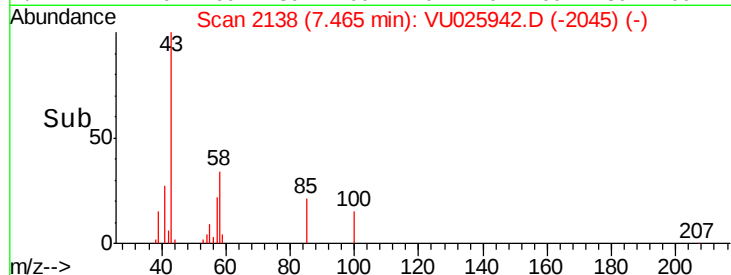
#40
 4-Methyl-2-pentanone
 Concen: 2.901 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU025942.D
 Acq: 07 Aug 2018 16:12

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA4MS

Tgt Ion: 43 Resp: 9962
 Ion Ratio Lower Upper
 43 100
 58 36.1 30.8 46.2
 100 15.4 12.1 18.1

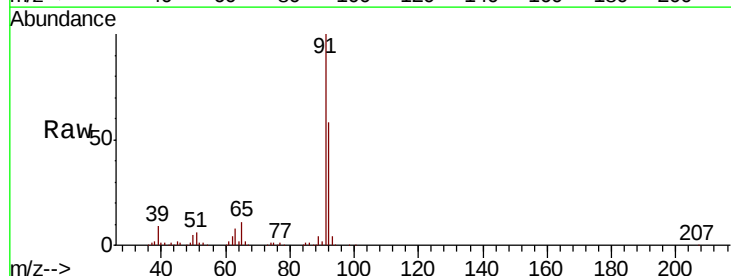


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

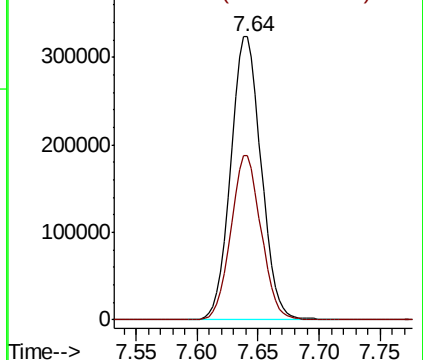
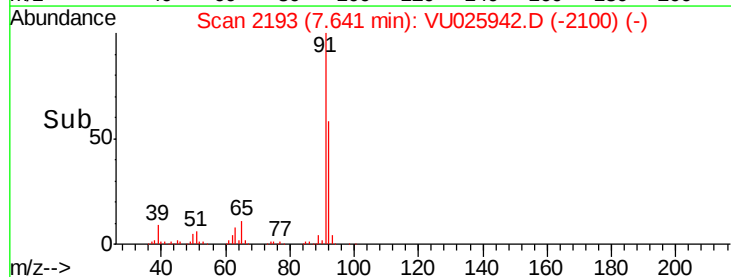


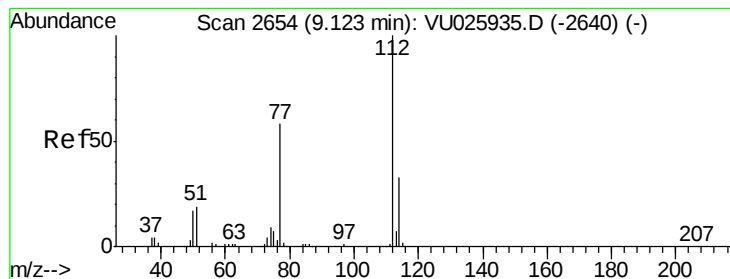
#42
 Toluene
 Concen: 54.717 ug/L
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU025942.D
 Acq: 07 Aug 2018 16:12

Tgt Ion: 91 Resp: 562903
 Ion Ratio Lower Upper
 91 100
 92 58.2 40.0 74.2



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0





#51

Chlorobenzene

Concen: 1286.242 ug/L

RT: 9.13 min Scan# 2655

Delta R.T. 0.00 min

Lab File: VU025942.D

Acq: 07 Aug 2018 16:12

Instrument :

MSVOA_U

ClientSampleId :

A4ZA4MS

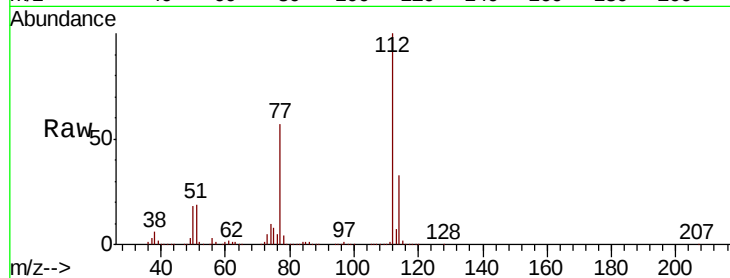
Tgt Ion: 112 Resp: 9060823

Ion Ratio Lower Upper

112 100

114 32.6 22.5 41.9

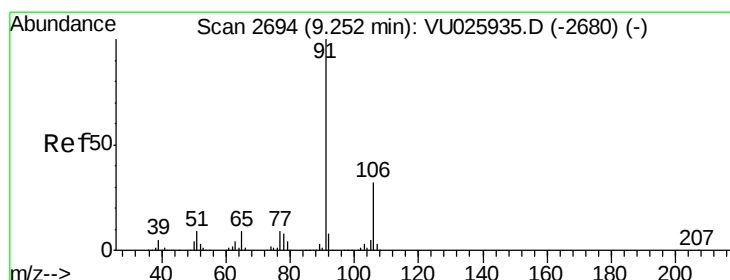
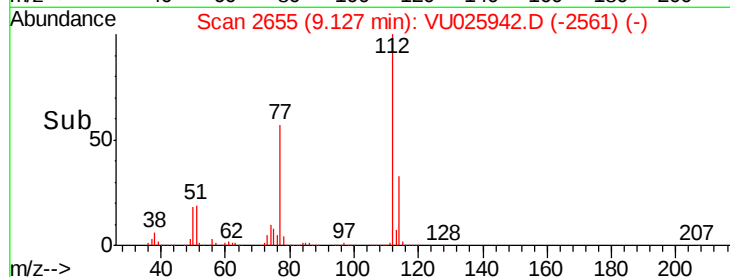
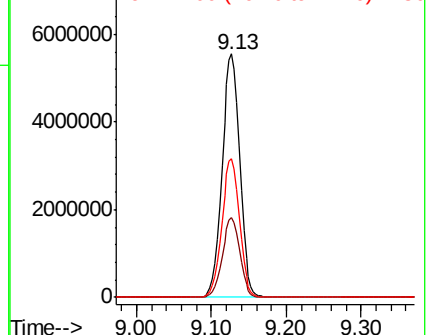
77 56.9 45.8 68.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0



#52

Ethylbenzene

Concen: 1.602 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025942.D

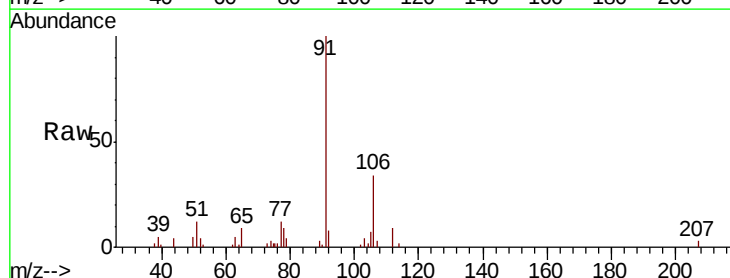
Acq: 07 Aug 2018 16:12

Tgt Ion: 91 Resp: 18755

Ion Ratio Lower Upper

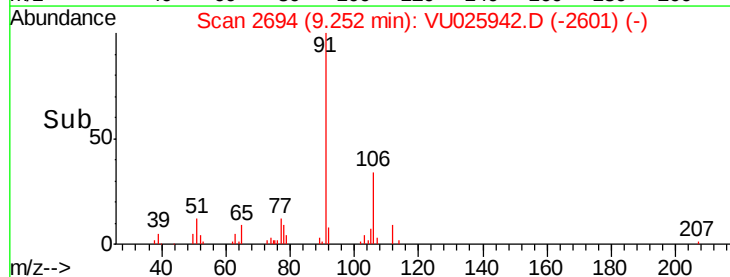
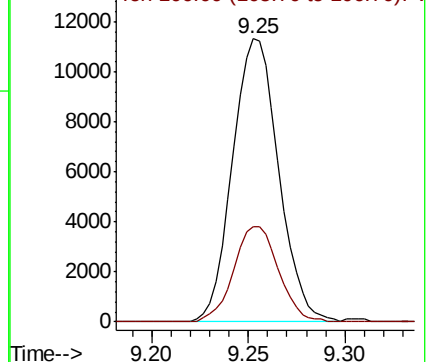
91 100

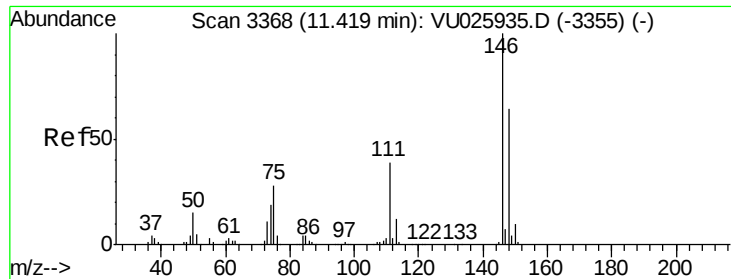
106 33.8 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

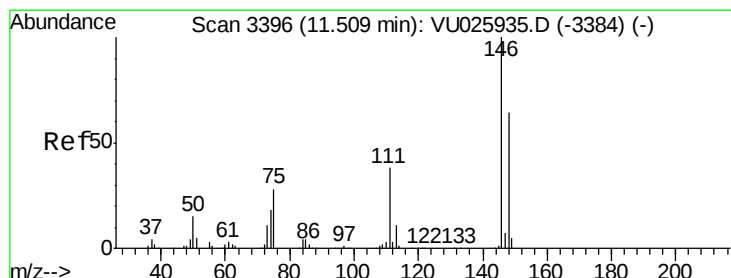
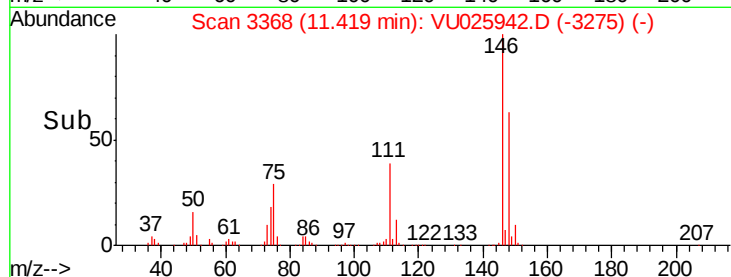
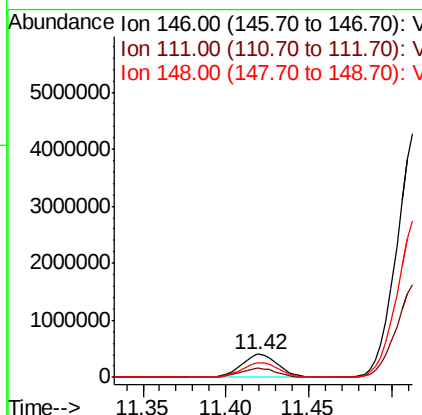
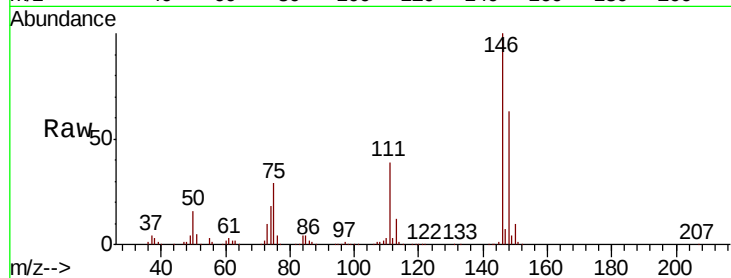




#62
 1,3-Dichlorobenzene
 Concen: 101.075 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025942.D
 Acq: 07 Aug 2018 16:12

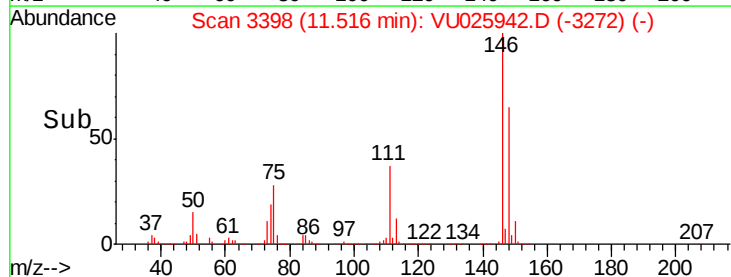
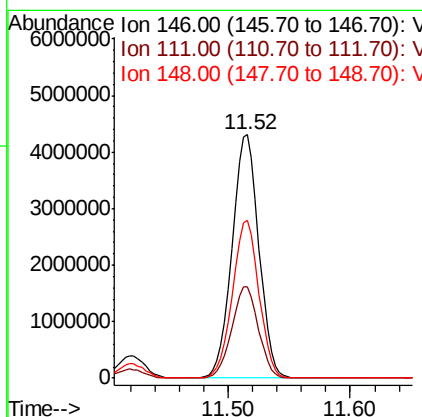
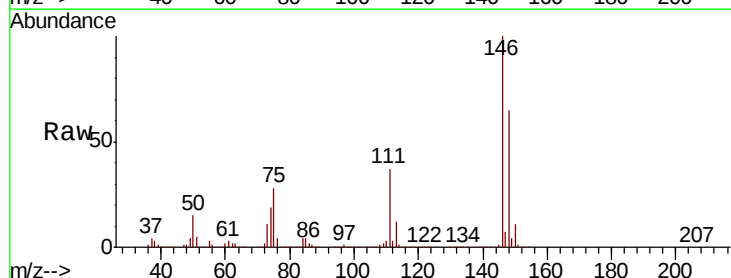
Instrument :
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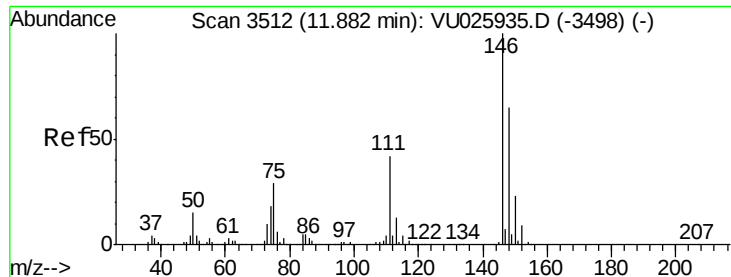
Tgt Ion:146 Resp: 620868
 Ion Ratio Lower Upper
 146 100
 111 39.2 27.7 51.5
 148 63.1 45.5 84.5



#63
 1,4-Dichlorobenzene
 Concen: 1047.562 ug/L
 RT: 11.52 min Scan# 3398
 Delta R.T. 0.01 min
 Lab File: VU025942.D
 Acq: 07 Aug 2018 16:12

Tgt Ion:146 Resp: 6555724
 Ion Ratio Lower Upper
 146 100
 111 37.4 26.9 49.9
 148 64.7 44.6 82.8

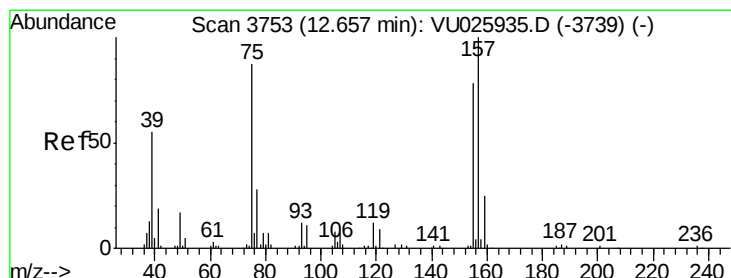
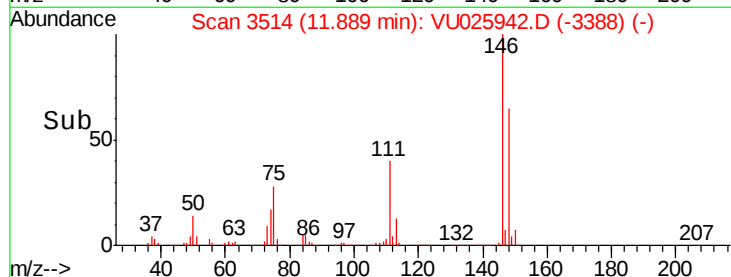
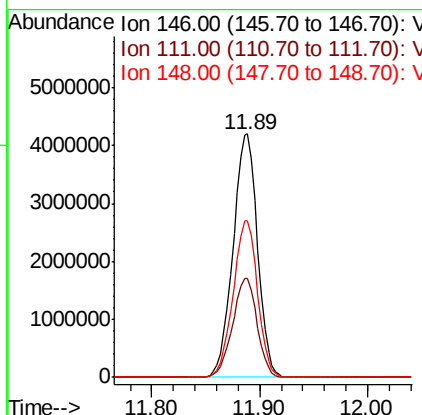
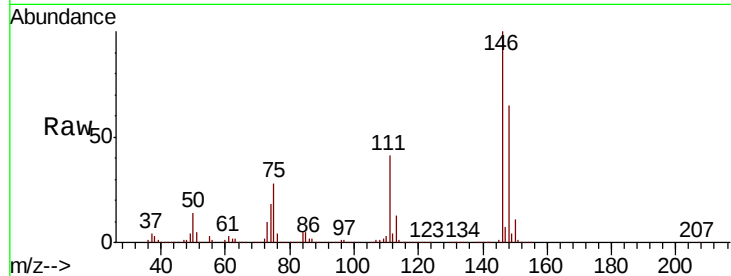




#65
 1,2-Dichlorobenzene
 Concen: 1076.429 ug/L
 RT: 11.89 min Scan# 3514
 Delta R.T. 0.01 min
 Lab File: VU025942.D
 Acq: 07 Aug 2018 16:12

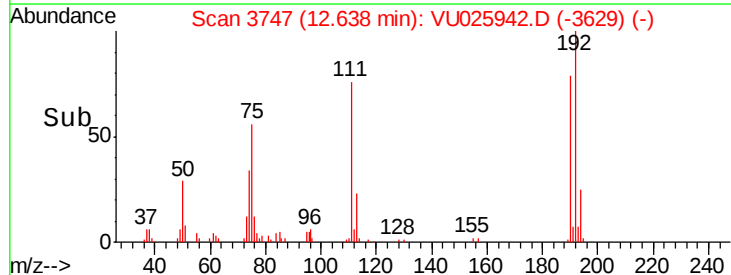
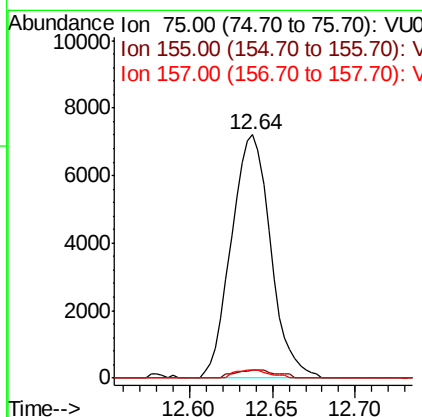
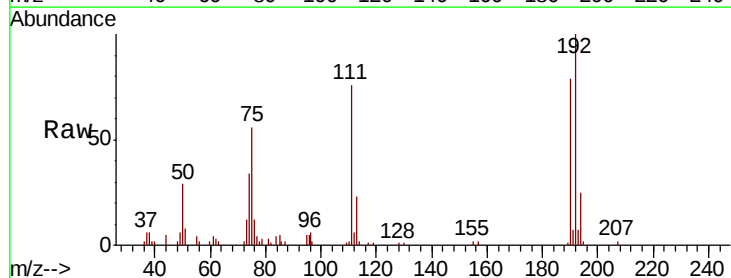
Instrument :
 MSVOA_U
 ClientSampled :
 A4ZA4MS

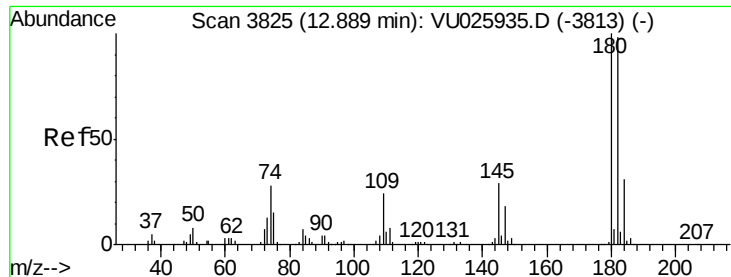
Tgt Ion:146 Resp: 6629898
 Ion Ratio Lower Upper
 146 100
 111 40.5 32.4 48.6
 148 64.6 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 12.700 ug/L
 RT: 12.64 min Scan# 3747
 Delta R.T. -0.02 min
 Lab File: VU025942.D
 Acq: 07 Aug 2018 16:12

Tgt Ion: 75 Resp: 11887
 Ion Ratio Lower Upper
 75 100
 155 3.1 66.3 99.5#
 157 3.3 91.5 137.3#

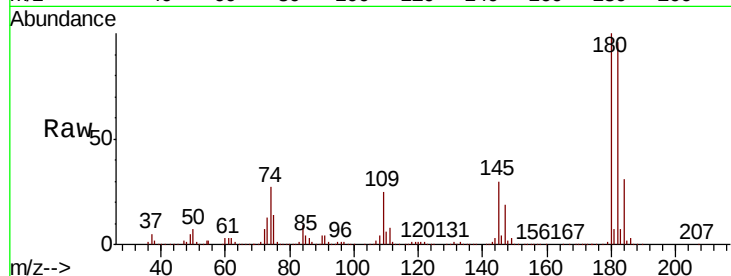




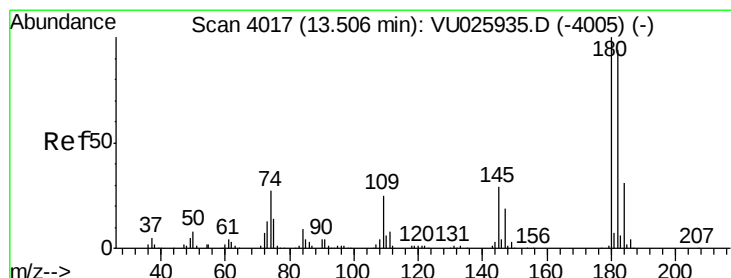
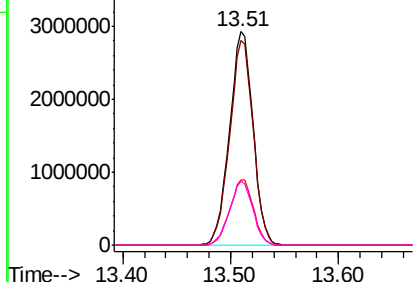
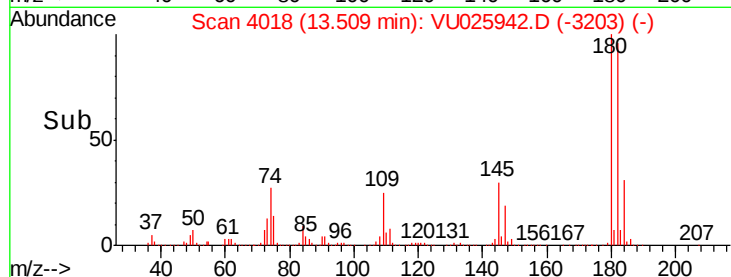
#67
 1,3,5-Trichlorobenzene
 Concen: 985.015 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.62 min
 Lab File: VU025942.D
 Acq: 07 Aug 2018 16:12

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA4MS

Tgt Ion:180 Resp: 4458452
 Ion Ratio Lower Upper
 180 100
 182 95.7 77.3 115.9
 184 30.8 24.6 36.8
 145 29.8 23.0 34.6

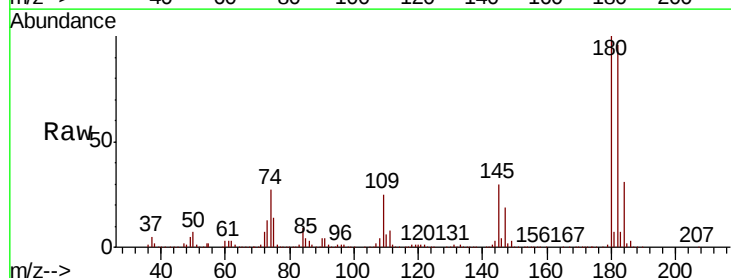


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

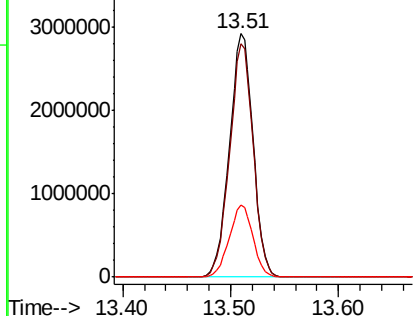
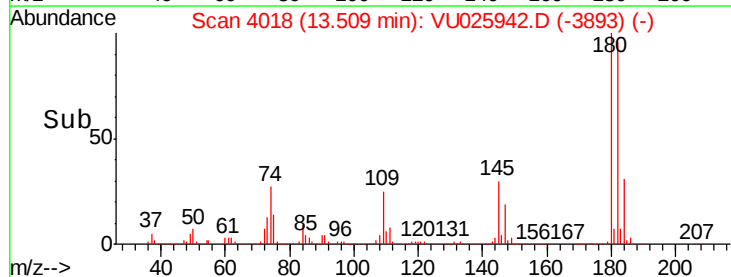


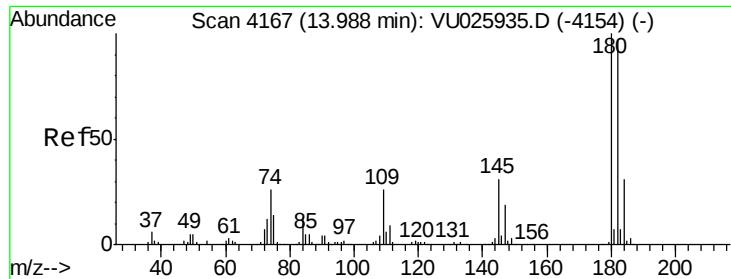
#68
 1,2,4-trichlorobenzene
 Concen: 1134.955 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU025942.D
 Acq: 07 Aug 2018 16:12

Tgt Ion:180 Resp: 4458452
 Ion Ratio Lower Upper
 180 100
 182 95.7 78.1 117.1
 145 29.8 23.4 35.2



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

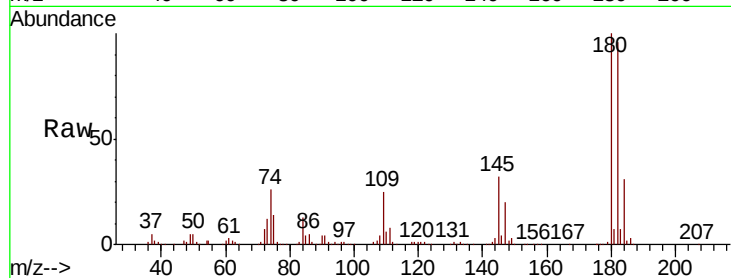




#70
 1,2,3-Trichlorobenzene
 Concen: 250.633 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU025942.D
 Acq: 07 Aug 2018 16:12

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA4MS

Tgt Ion:180 Resp: 1008741
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.6 114.8
 145 31.3 25.4 38.2



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

