

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU073118\
 Data File : VU025731.D
 Acq On : 31 Jul 2018 08:17
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 31 11:43:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 27 18:17:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	336559	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	320204	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	180261	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	76374	39.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.50%
7) Chloroethane-d5	1.68	69	66838	42.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.34%
11) 1,1-Dichloroethene-d2	2.28	63	166713	41.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.36%
21) 2-Butanone-d5	4.18	46	137616	92.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.77%
24) Chloroform-d	4.65	84	191884	44.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.66%
26) 1,2-Dichloroethane-d4	5.31	65	124486	43.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.96%
32) Benzene-d6	5.35	84	354688	43.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.38%
36) 1,2-Dichloropropane-d6	6.33	67	115096	43.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.00%
41) Toluene-d8	7.57	98	337881	42.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.80%
43) trans-1,3-Dichloropropene-	7.85	79	60999	45.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.26%
47) 2-Hexanone-d5	8.31	63	100007	90.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.26%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	164465	44.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.88%
64) 1,2-Dichlorobenzene-d4	11.86	152	151887	41.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	145172	43.778	ug/L 100
3) Chloromethane	1.33	50	109839	45.865	ug/L 100
5) Vinyl chloride	1.41	62	115994	44.161	ug/L 99
6) Bromomethane	1.63	94	46443	50.844	ug/L 93
8) Chloroethane	1.70	64	68910	44.554	ug/L 97
9) Trichlorofluoromethane	1.89	101	167364	44.745	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	97948	46.762	ug/L 98
12) 1,1-Dichloroethene	2.29	96	87235	45.928	ug/L 94
13) Acetone	2.32	43	161516	92.768	ug/L 100
14) Carbon disulfide	2.48	76	272698	44.092	ug/L 100
15) Methyl Acetate	2.62	43	107724	44.758	ug/L 98
16) Methylene chloride	2.70	84	107336	45.365	ug/L 97
17) trans-1,2-Dichloroethene	2.99	96	101479	46.404	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	337180	47.342	ug/L 100
19) 1,1-Dichloroethane	3.45	63	191043	45.924	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	115661	46.855	ug/L 93
22) 2-Butanone	4.26	43	175369	90.478	ug/L 99

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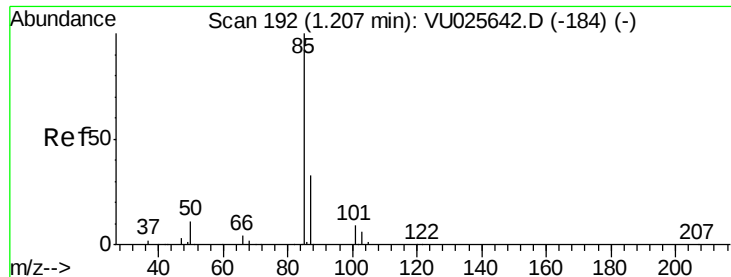
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	61042	46.851	uq/L	96
25) Chloroform	4.68	83	203049	46.386	uq/L	99
27) 1,2-Dichloroethane	5.41	62	165391	46.322	uq/L	99
29) Cyclohexane	5.00	56	166585	44.905	uq/L	99
30) 1,1,1-Trichloroethane	4.92	97	183790	45.869	uq/L	100
31) Carbon tetrachloride	5.14	117	168185	45.394	uq/L	99
33) Benzene	5.39	78	418595	45.497	uq/L	100
34) Trichloroethene	6.19	95	115023	47.118	uq/L	98
35) Methylcyclohexane	6.42	83	177131	45.001	uq/L	100
37) 1,2-Dichloropropane	6.44	63	115906	46.101	uq/L	100
38) Bromodichloromethane	6.76	83	156859	47.320	uq/L	95
39) cis-1,3-Dichloropropene	7.27	75	181365	46.483	uq/L	100
40) 4-Methyl-2-pentanone	7.46	43	302658	91.669	uq/L	100
42) Toluene	7.64	91	466866	47.054	uq/L	99
44) trans-1,3-Dichloropropene	7.88	75	178631	48.557	uq/L	100
45) 1,1,2-Trichloroethane	8.07	97	110115	45.661	uq/L	98
46) Tetrachloroethene	8.23	164	99497	47.014	uq/L	97
48) 2-Hexanone	8.36	43	257152	92.174	uq/L	99
49) Dibromochloromethane	8.48	129	136624	48.296	uq/L	100
50) 1,2-Dibromoethane	8.59	107	118797	45.725	uq/L	99
51) Chlorobenzene	9.12	112	314174	47.034	uq/L	100
52) Ethylbenzene	9.25	91	528068	48.221	uq/L	99
53) m,p-Xylene	9.38	106	203983	48.630	uq/L	99
54) o-xylene	9.78	106	199296	46.824	uq/L	98
55) Styrene	9.80	104	343840	49.601	uq/L	98
56) Isopropylbenzene	10.17	105	531403	48.379	uq/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	177949	45.746	uq/L	100
59) 1,2,3-Trichloropropane	10.50	75	132220	44.774	uq/L	99
61) Bromoform	9.96	173	101652	43.596	uq/L	99
62) 1,3-Dichlorobenzene	11.42	146	267100	46.843	uq/L	99
63) 1,4-Dichlorobenzene	11.51	146	274068	47.087	uq/L	99
65) 1,2-Dichlorobenzene	11.88	146	265651	44.471	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	39711	42.269	uq/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	208885	47.460	uq/L	99
68) 1,2,4-trichlorobenzene	13.51	180	185573	50.168	uq/L	99
69) Naphthalene	13.74	128	526516	47.331	uq/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	187153	47.861	uq/L	99

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

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ALS Vial : 2 Sample Multiplier: 1



#2

Dichlorodifluoromethane

Concen: 43.778 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025731.D

Acq: 31 Jul 2018 08:17

Instrument :

MSVOA_D

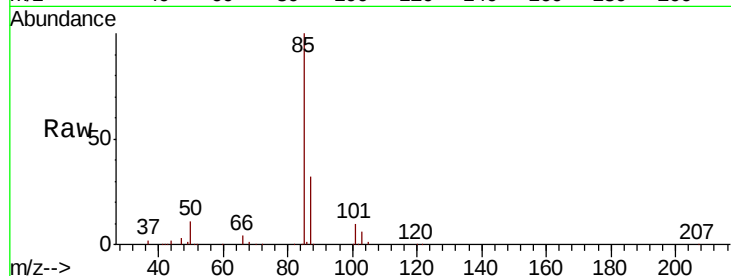
ClientSampled :

Tot Ion: 85 Resp: 145172

Ion Ratio Lower Upper

85 100

87 31.9 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.21

150000

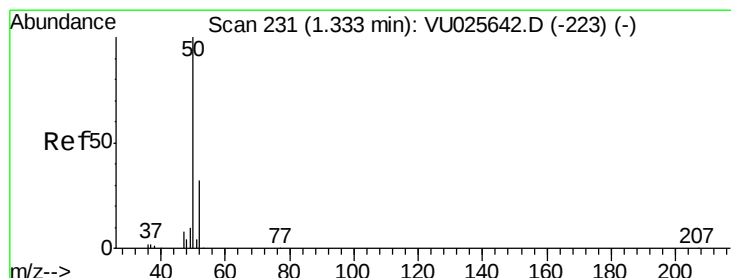
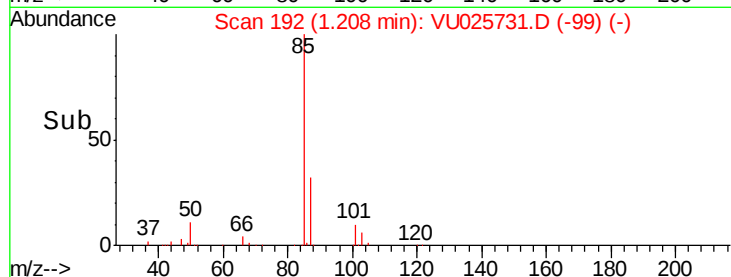
100000

50000

0

Time-->

1.15 1.20 1.25



#3

Chloromethane

Concen: 45.865 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025731.D

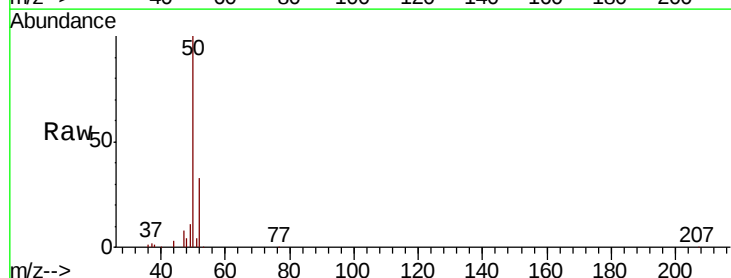
Acq: 31 Jul 2018 08:17

Tgt Ion: 50 Resp: 109839

Ion Ratio Lower Upper

50 100

52 33.2 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

1.33

100000

80000

60000

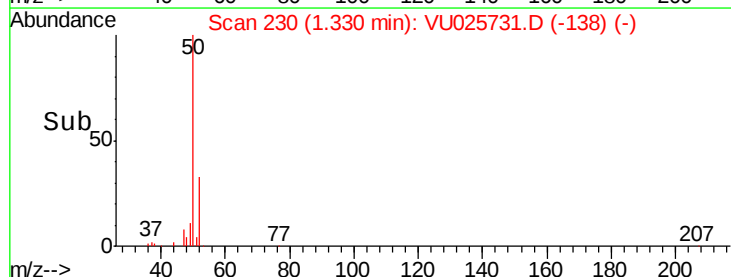
40000

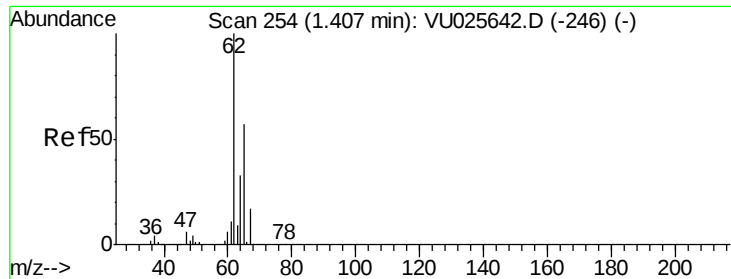
20000

0

Time-->

1.30 1.35 1.40





#5

Vinyl chloride

Concen: 44.161 ug/L

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025731.D

Acq: 31 Jul 2018 08:17

Instrument :

MSVOA_D

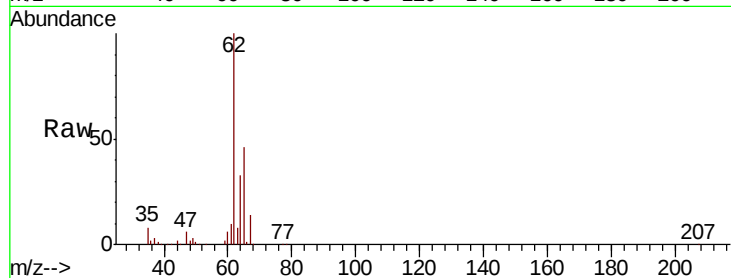
ClientSampled :

Tot Ion: 62 Resp: 115994

Ion Ratio Lower Upper

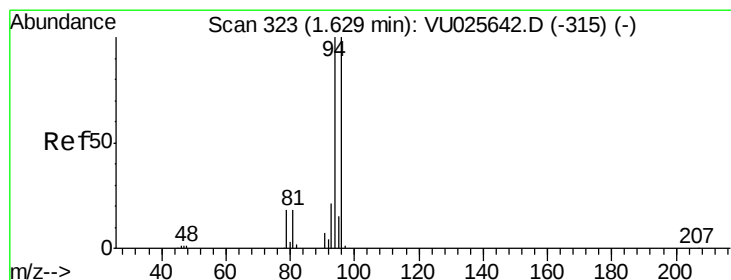
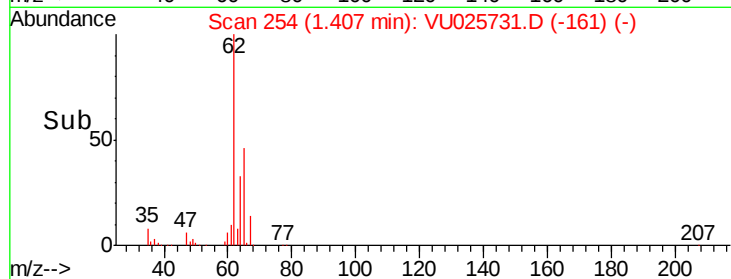
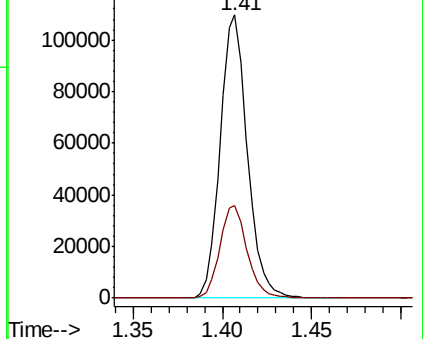
62 100

64 32.8 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU025642.D (-246) (-)

Ion 64.00 (63.70 to 64.70): VU025642.D (-246) (-)



#6

Bromomethane

Concen: 50.844 ug/L

RT: 1.63 min Scan# 324

Delta R.T. 0.00 min

Lab File: VU025731.D

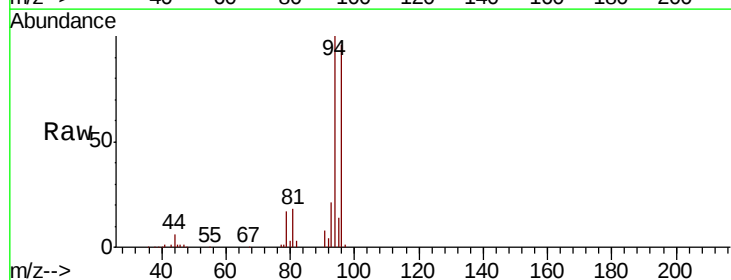
Acq: 31 Jul 2018 08:17

Tgt Ion: 94 Resp: 46443

Ion Ratio Lower Upper

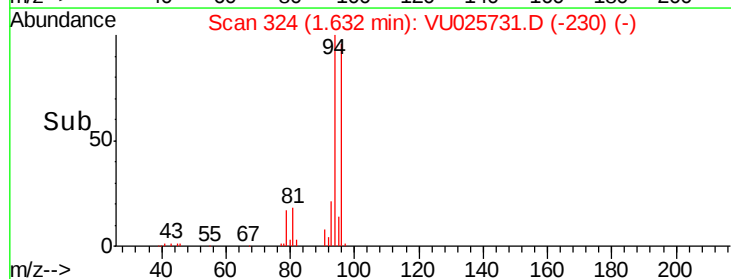
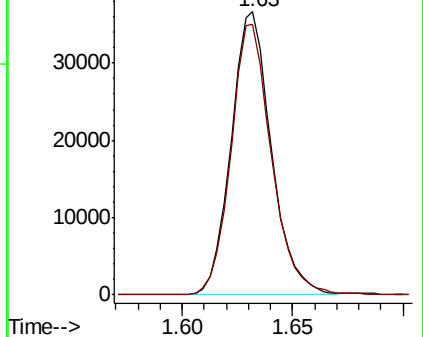
94 100

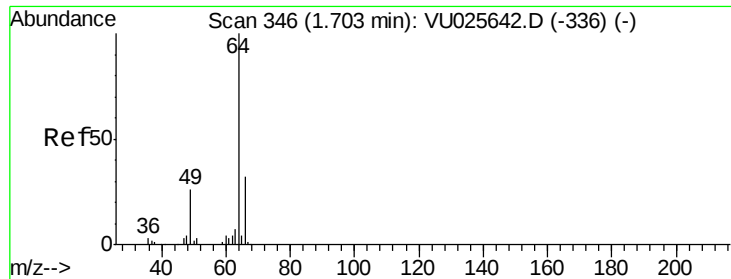
96 95.5 62.4 115.8



Abundance Ion 94.00 (93.70 to 94.70): VU025642.D (-315) (-)

Ion 96.00 (95.70 to 96.70): VU025642.D (-315) (-)





#8

Chloroethane

Concen: 44.554 ug/L

RT: 1.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU025731.D

Acq: 31 Jul 2018 08:17

Instrument :

MSVOA_D

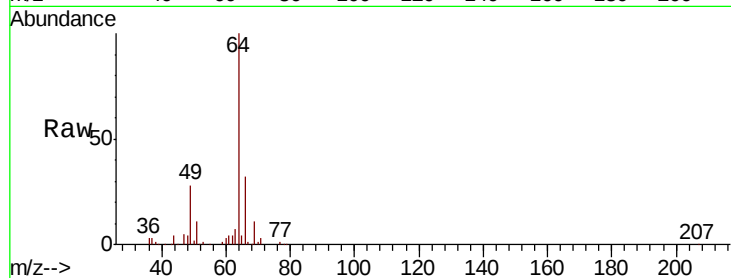
ClientSampleId :

Tot Ion: 64 Resp: 68910

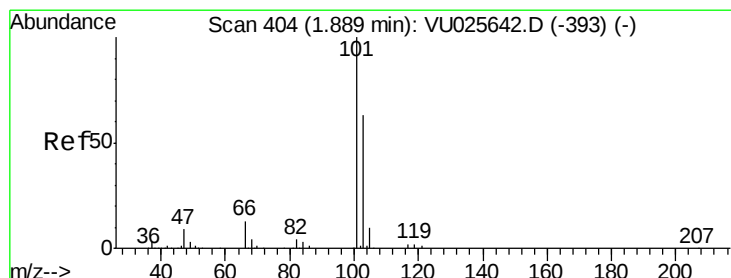
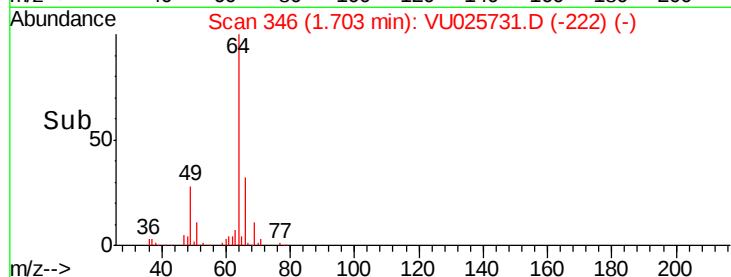
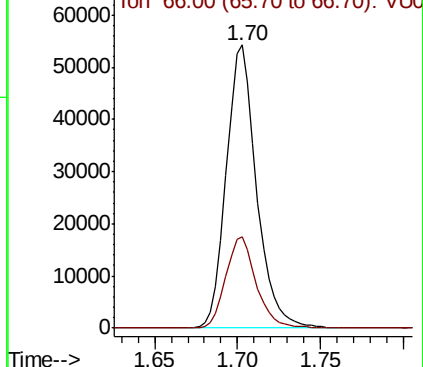
Ion Ratio Lower Upper

64 100

66 32.2 23.5 43.7



Abundance Ion 64.00 (63.70 to 64.70): VU025731.D (-222) (-)



#9

Trichlorofluoromethane

Concen: 44.745 ug/L

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU025731.D

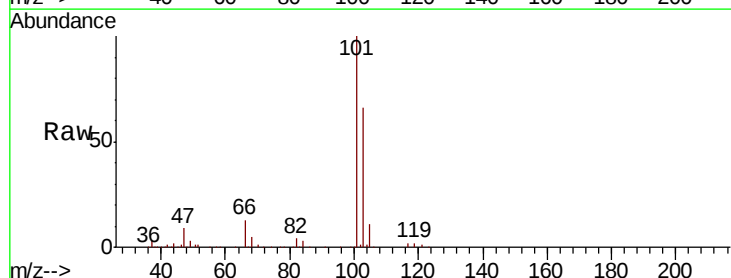
Acq: 31 Jul 2018 08:17

Tgt Ion:101 Resp: 167364

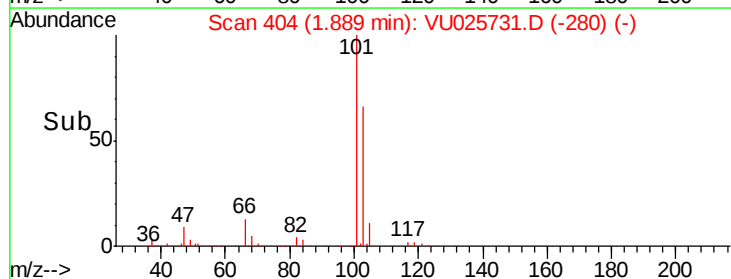
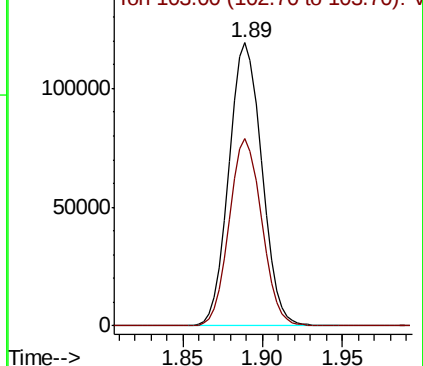
Ion Ratio Lower Upper

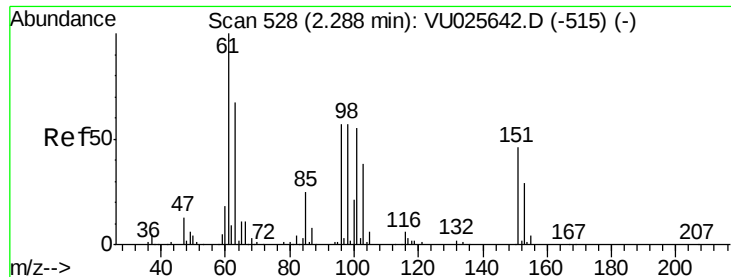
101 100

103 65.3 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): VU025731.D (-280) (-)





#10

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

Concen: 46.762 ug/L

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU025731.D

Acq: 31 Jul 2018 08:17

Instrument :

MSVOA_D

ClientSampled :

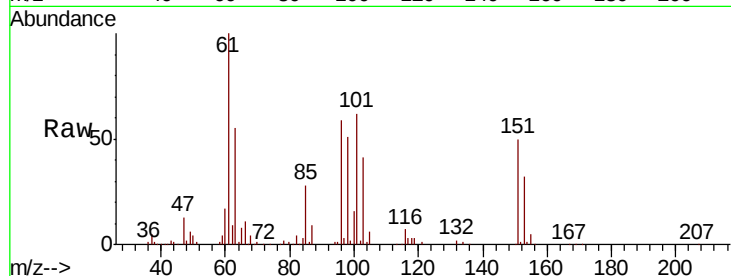
Tot Ion:101 Resp: 97948

Ion Ratio Lower Upper

101 100

85 43.6 35.5 53.3

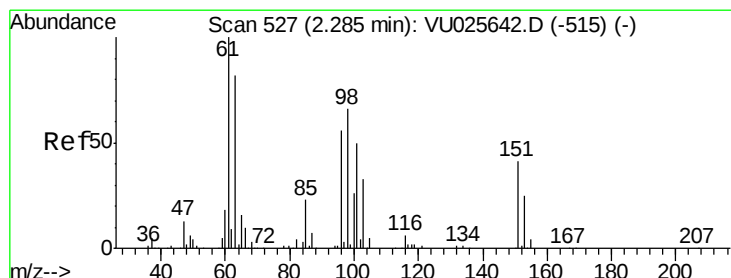
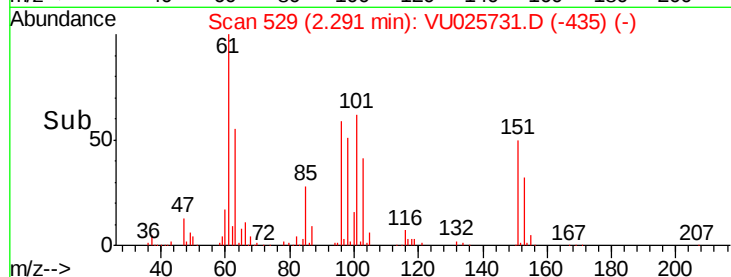
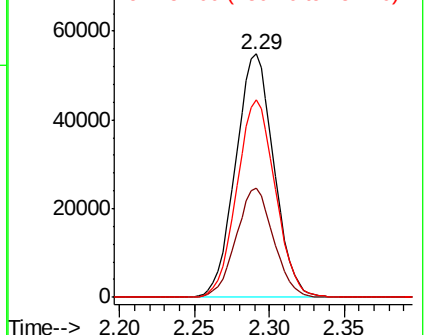
151 81.3 63.5 95.3



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: 45.928 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025731.D

Acq: 31 Jul 2018 08:17

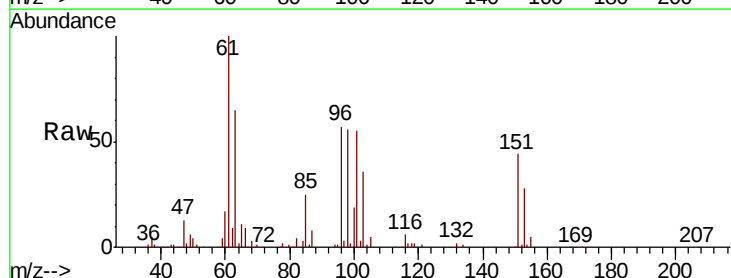
Tgt Ion: 96 Resp: 87235

Ion Ratio Lower Upper

96 100

61 174.2 122.5 227.5

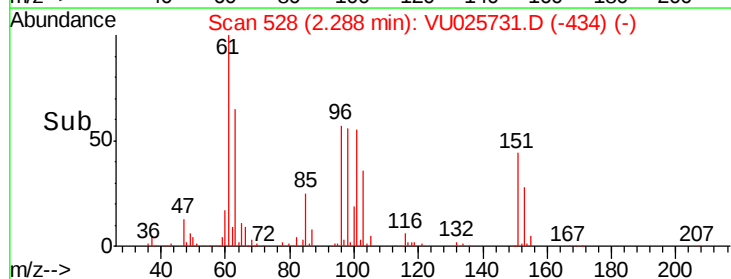
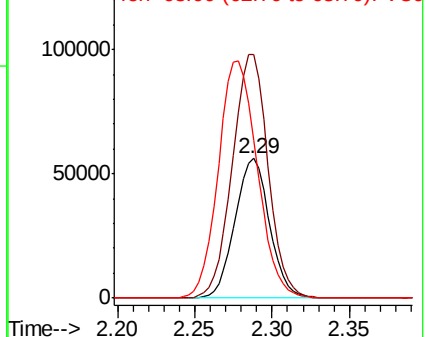
63 113.3 90.9 168.9

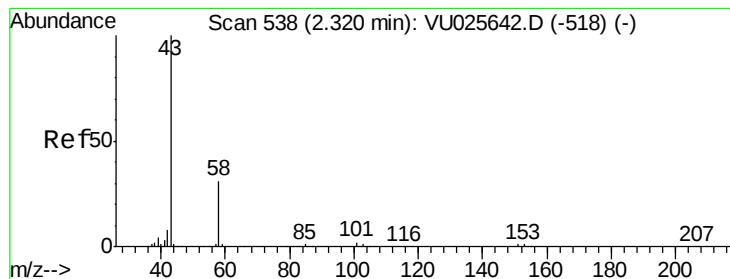


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 92.768 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU025731.D

Acq: 31 Jul 2018 08:17

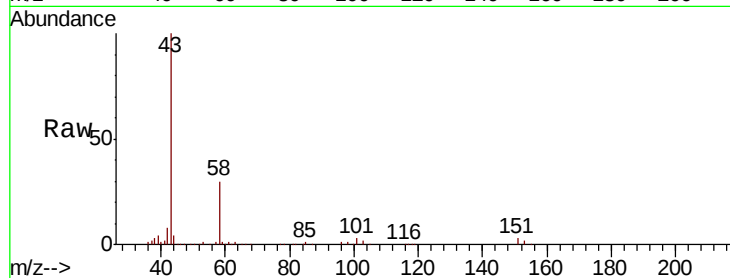
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 161516

Ion Ratio Lower Upper

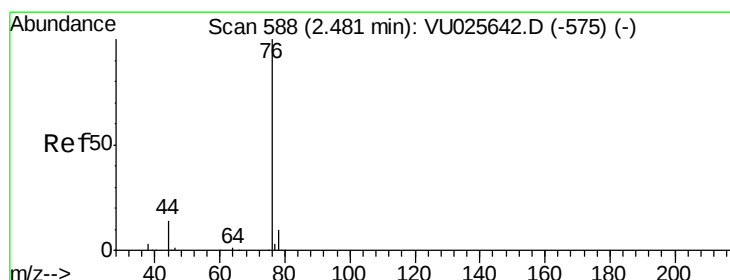
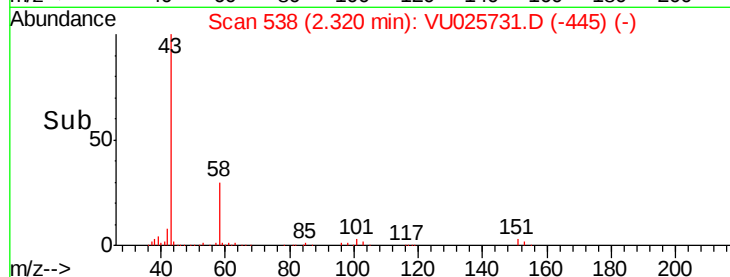
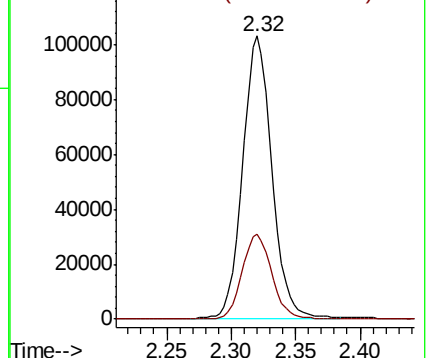
43 100

58 30.4 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU025731.D (-445) (-)

Ion 58.00 (57.70 to 58.70): VU025731.D (-445) (-)



#14

Carbon disulfide

Concen: 44.092 ug/L

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025731.D

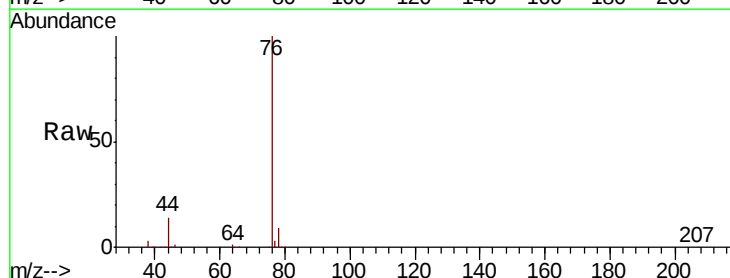
Acq: 31 Jul 2018 08:17

Tgt Ion: 76 Resp: 272698

Ion Ratio Lower Upper

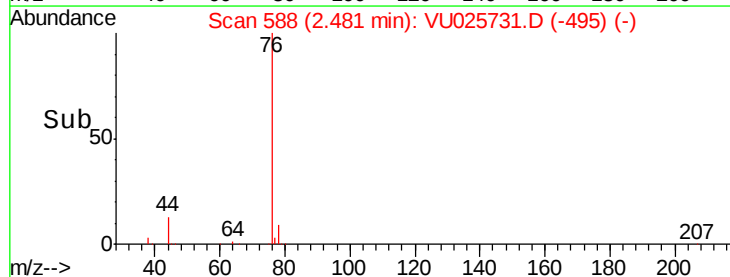
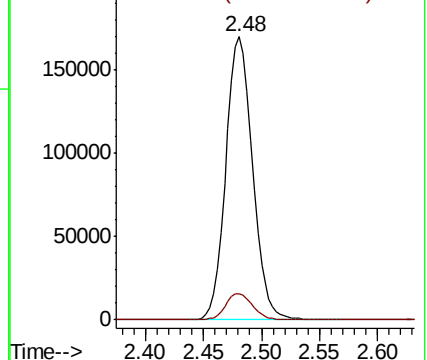
76 100

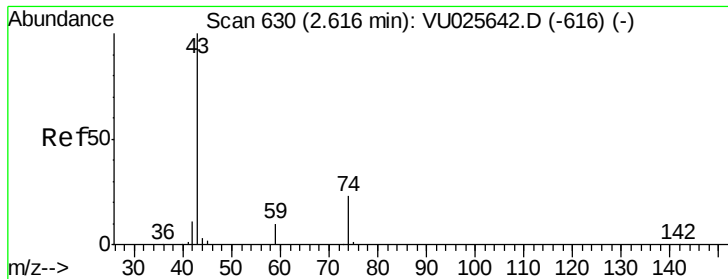
78 9.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU025731.D (-495) (-)

Ion 78.00 (77.70 to 78.70): VU025731.D (-495) (-)





#15

Methvl Acetate

Concen: 44.758 ug/L

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025731.D

Acq: 31 Jul 2018 08:17

Instrument :

MSVOA_D

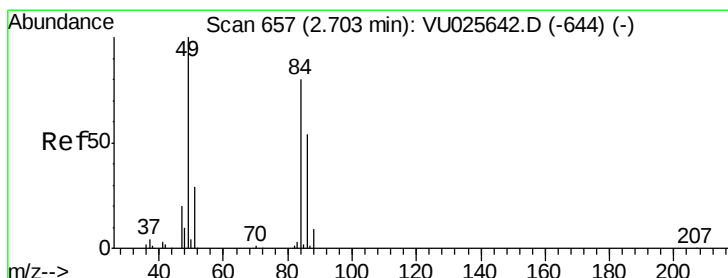
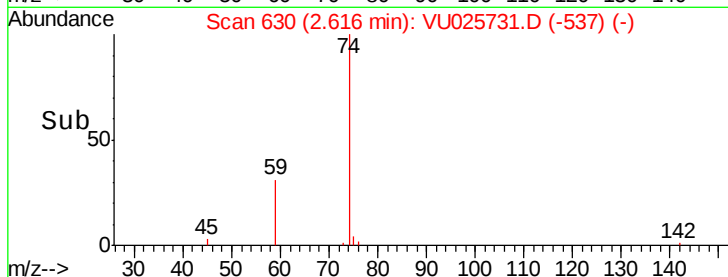
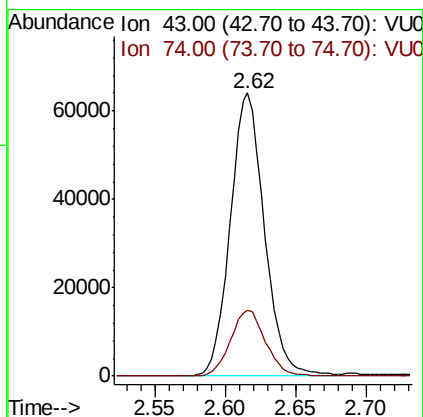
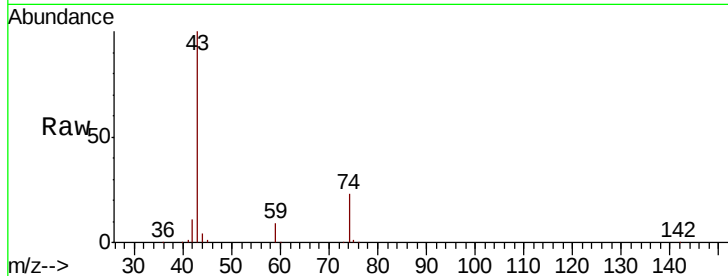
ClientSampled :

Tot Ion: 43 Resp: 107724

Ion Ratio Lower Upper

43 100

74 24.1 18.3 27.5



#16

Methylene chloride

Concen: 45.365 ug/L

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU025731.D

Acq: 31 Jul 2018 08:17

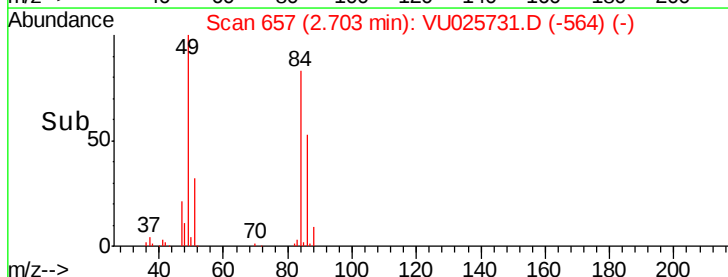
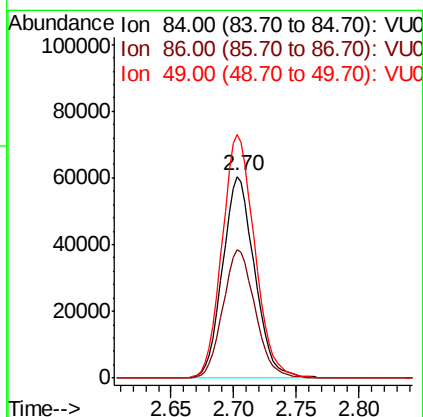
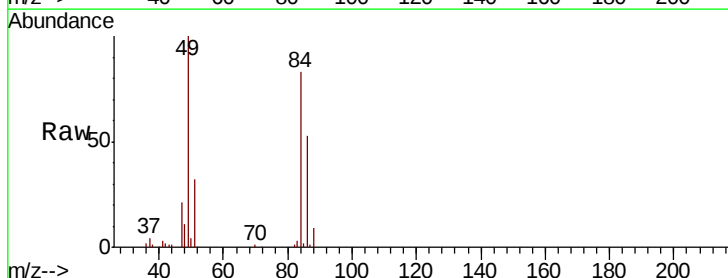
Tgt Ion: 84 Resp: 107336

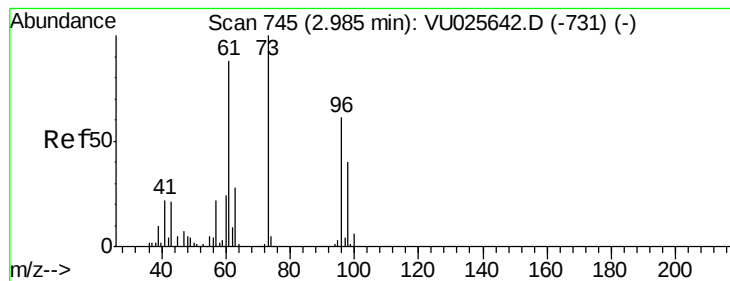
Ion Ratio Lower Upper

84 100

86 63.5 45.6 84.6

49 120.9 87.0 161.6





#17

trans-1,2-Dichloroethene

Concen: 46.404 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025731.D

Acq: 31 Jul 2018 08:17

Instrument :

MSVOA_D

ClientSampleId :

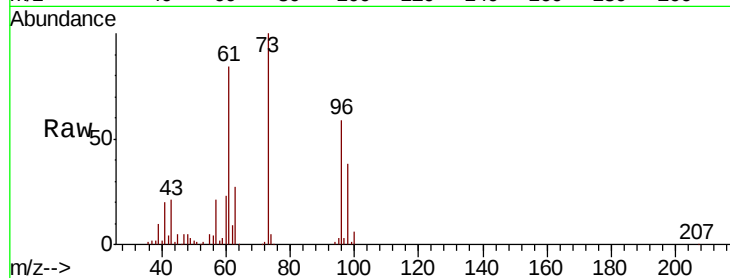
Tot Ion: 96 Resp: 101479

Ion Ratio Lower Upper

96 100

61 142.8 100.0 185.8

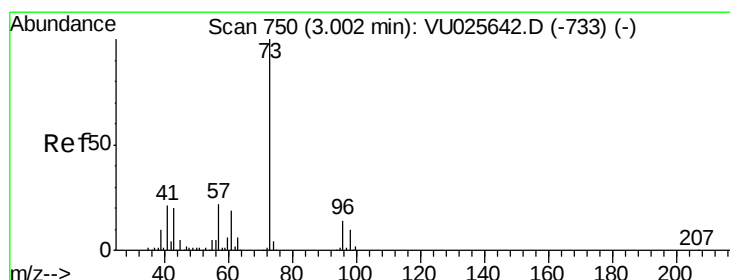
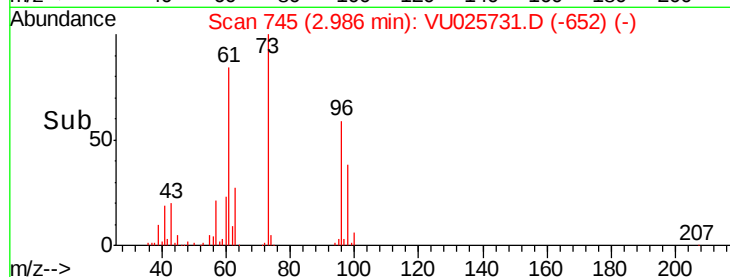
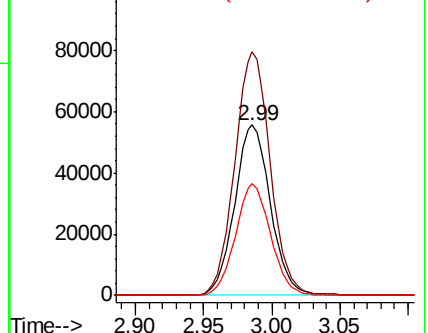
98 65.5 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 47.342 ug/L

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU025731.D

Acq: 31 Jul 2018 08:17

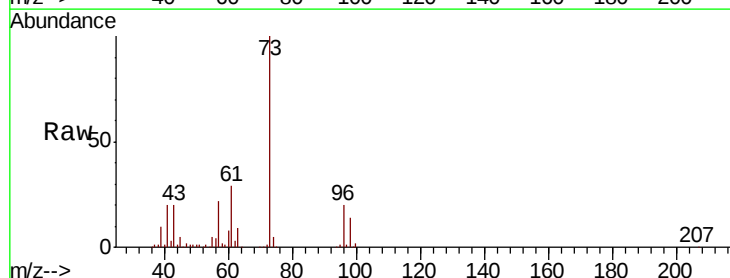
Tgt Ion: 73 Resp: 337180

Ion Ratio Lower Upper

73 100

43 20.3 16.2 24.2

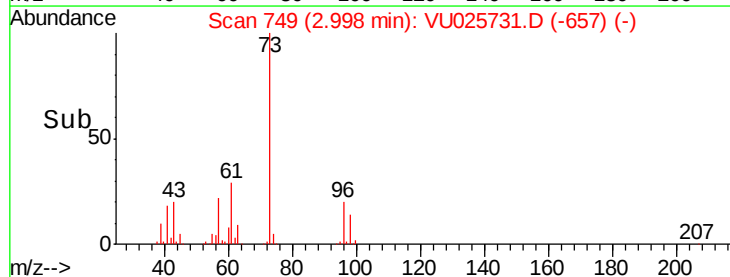
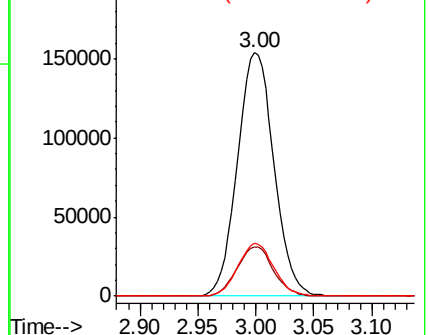
57 21.3 17.1 25.7

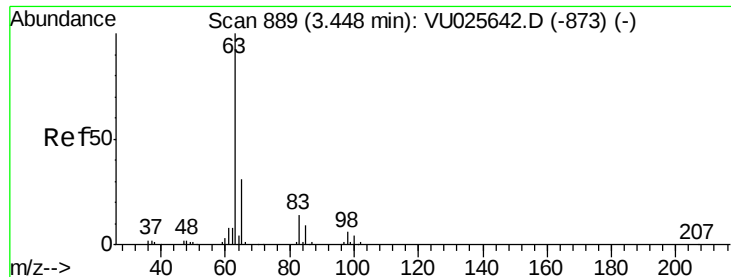


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 45.924 ug/L

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025731.D

Acq: 31 Jul 2018 08:17

Instrument :

MSVOA_D

ClientSampled :

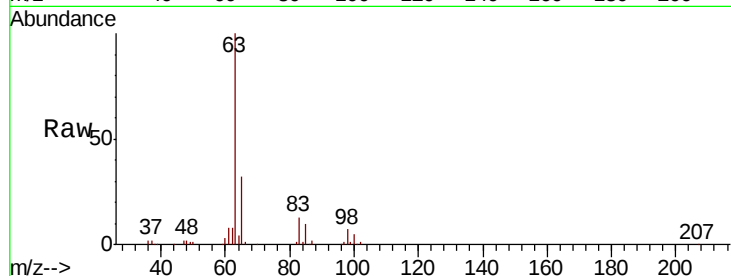
Tot Ion: 63 Resp: 191043

Ion Ratio Lower Upper

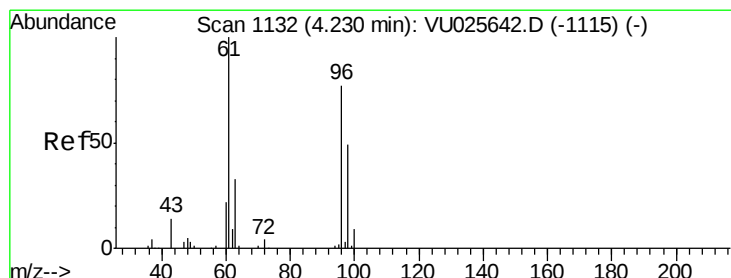
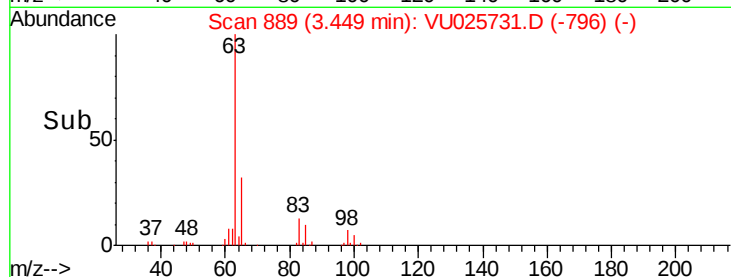
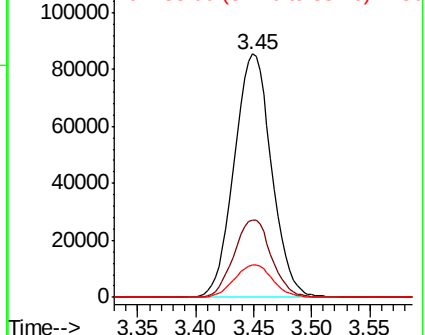
63 100

65 31.9 22.0 41.0

83 13.2 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 46.855 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025731.D

Acq: 31 Jul 2018 08:17

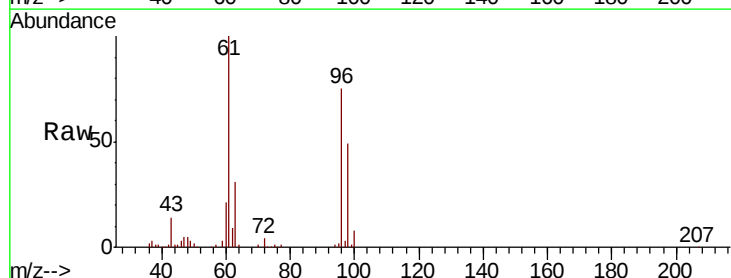
Tgt Ion: 96 Resp: 115661

Ion Ratio Lower Upper

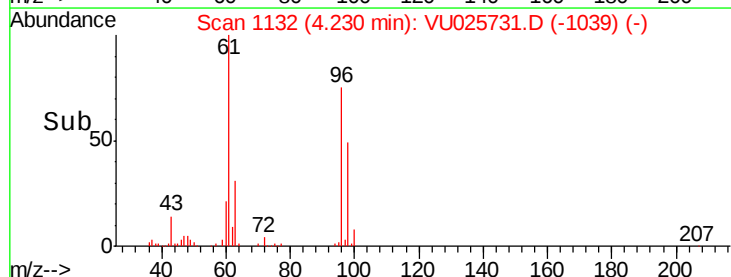
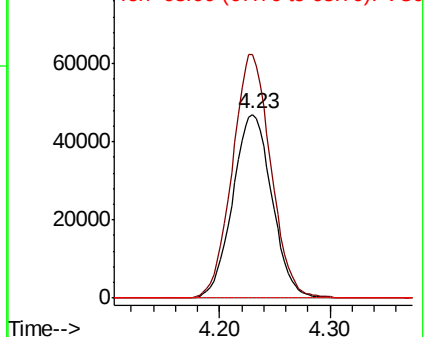
96 100

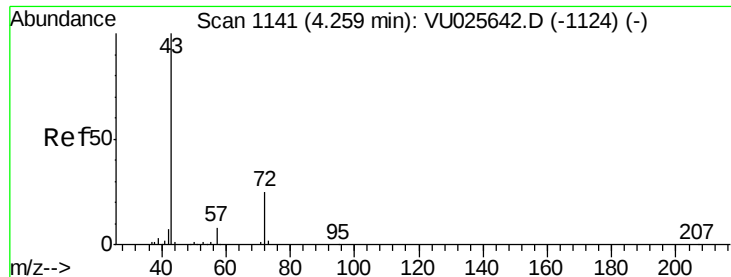
61 132.7 87.4 162.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 90.478 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025731.D

Acq: 31 Jul 2018 08:17

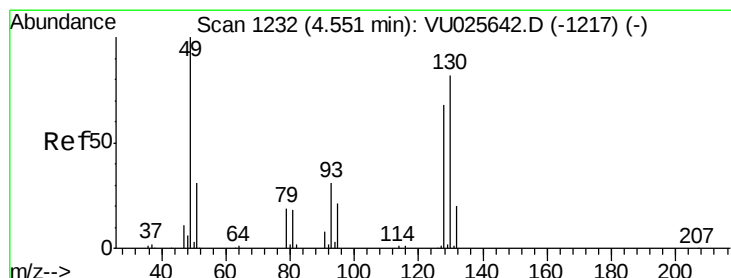
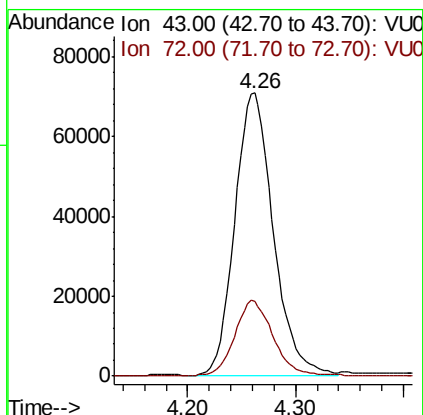
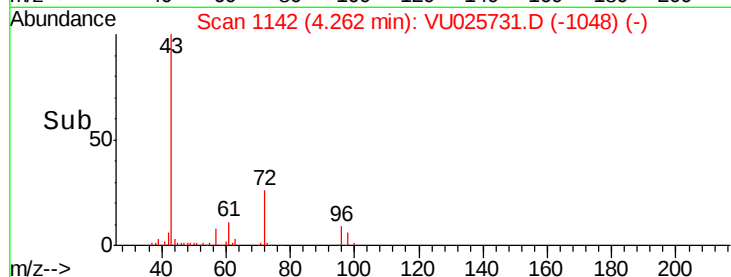
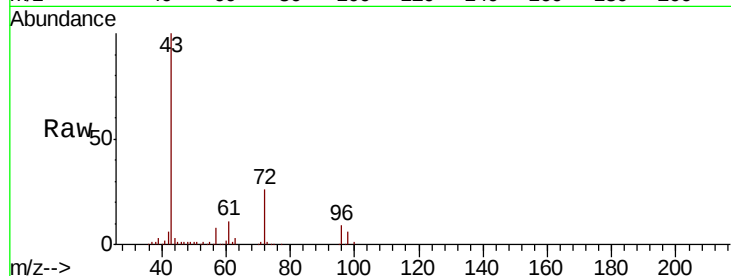
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 175369

Ion Ratio Lower Upper

43 100

72 26.7 13.6 40.8



#23

Bromochloromethane

Concen: 46.851 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025731.D

Acq: 31 Jul 2018 08:17

Tgt Ion:128 Resp: 61042

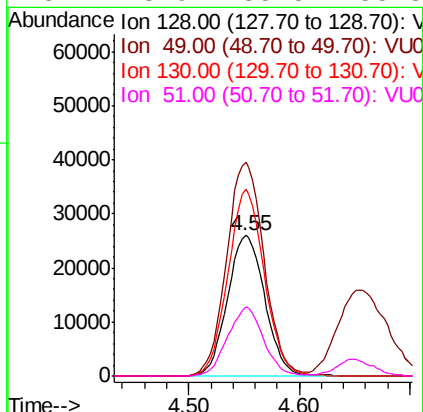
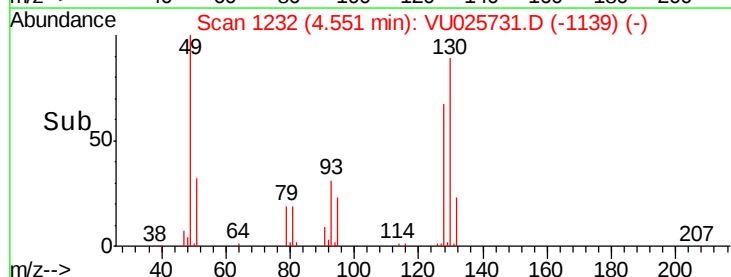
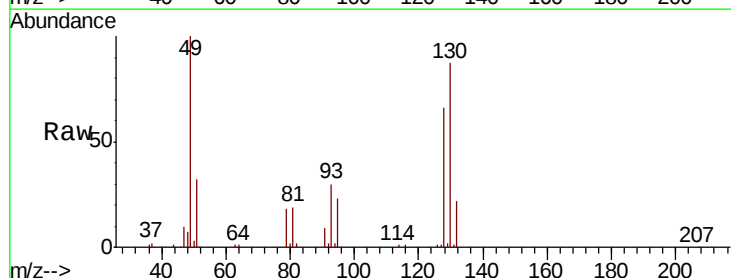
Ion Ratio Lower Upper

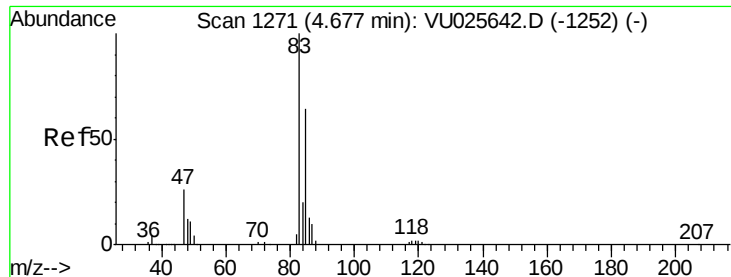
128 100

49 152.1 103.3 191.8

130 132.8 90.4 167.8

51 48.9 35.5 53.3

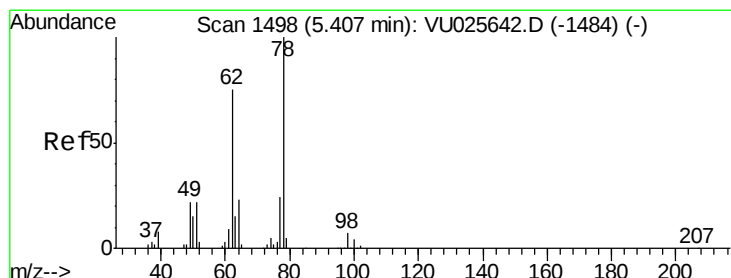
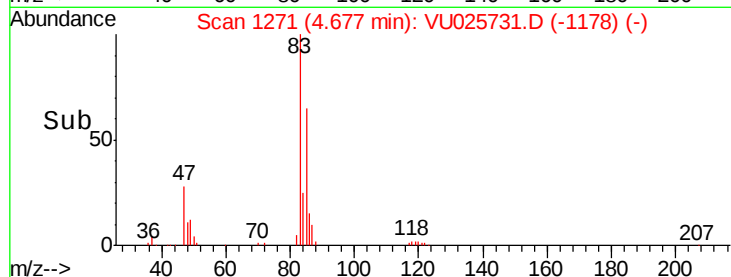
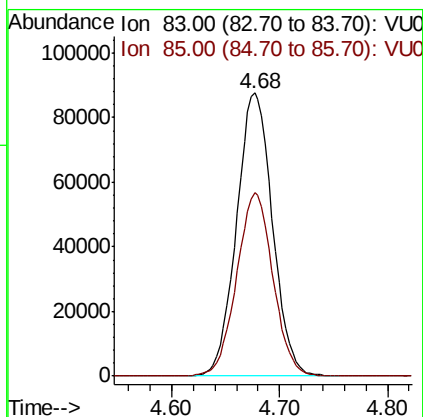
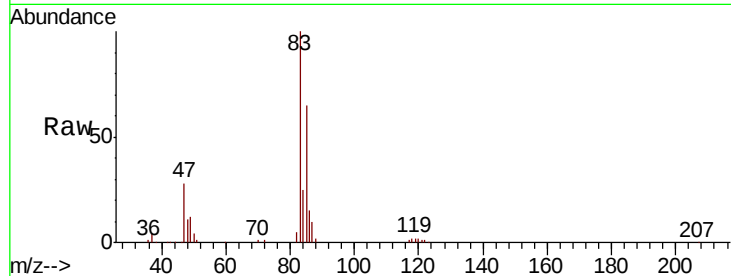




#25
Chloroform
Concen: 46.386 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025731.D
Acq: 31 Jul 2018 08:17

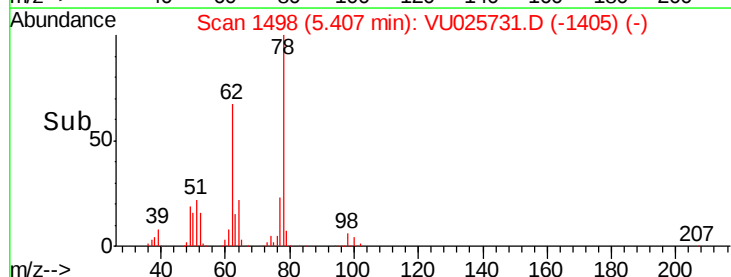
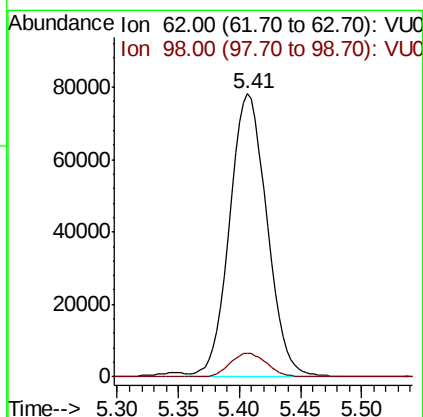
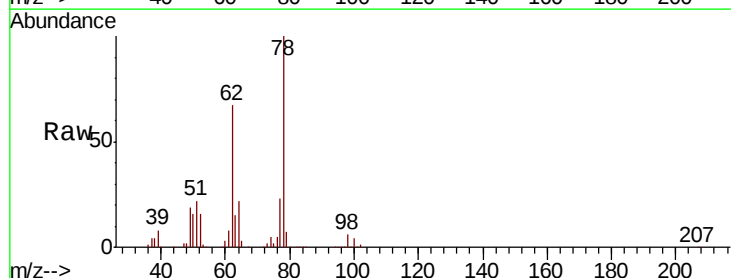
Instrument :
MSVOA_D
ClientSampleId :

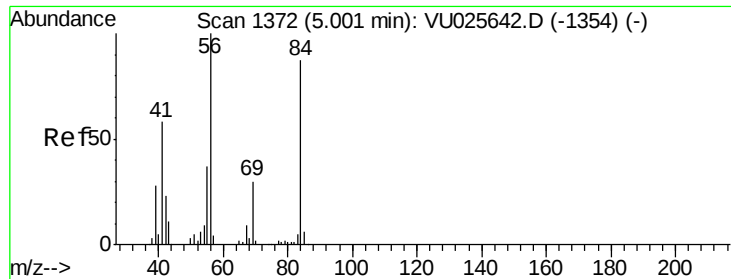
Tot Ion: 83 Resp: 203049
Ion Ratio Lower Upper
83 100
85 64.9 45.0 83.6



#27
1,2-Dichloroethane
Concen: 46.322 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU025731.D
Acq: 31 Jul 2018 08:17

Tgt Ion: 62 Resp: 165391
Ion Ratio Lower Upper
62 100
98 8.4 6.5 9.7

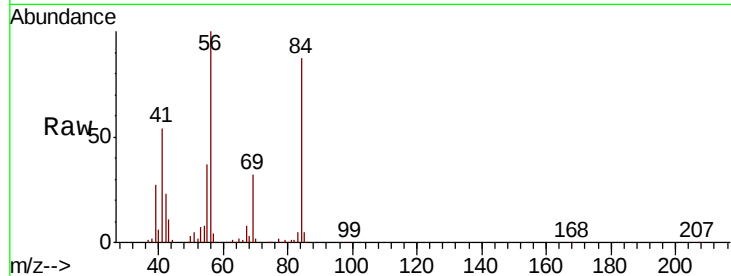




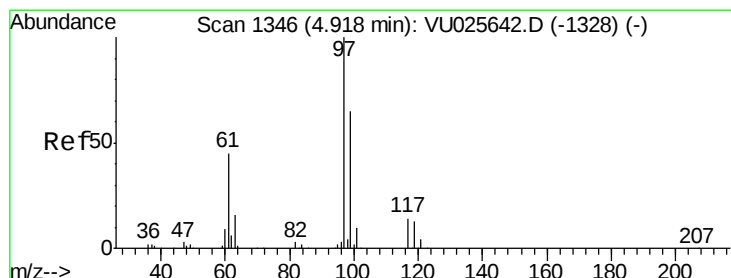
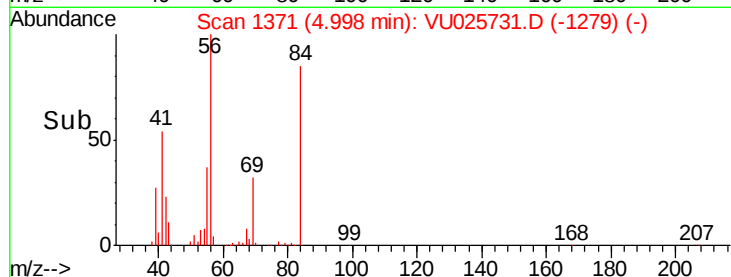
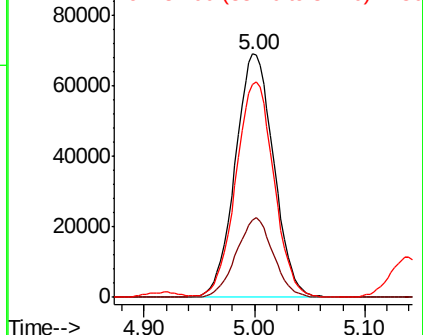
#29
Cyclohexane
Concen: 44.905 ug/L
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025731.D
Acq: 31 Jul 2018 08:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 166585
Ion Ratio Lower Upper
56 100
69 31.4 24.8 37.2
84 87.5 70.6 106.0

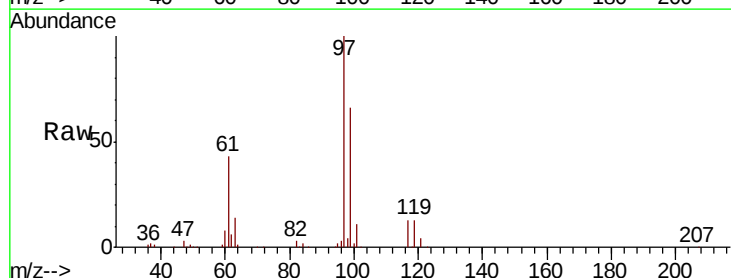


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

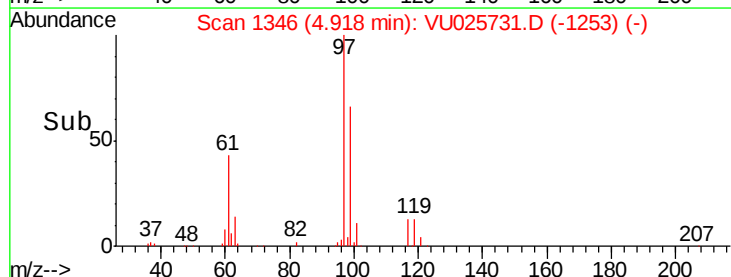
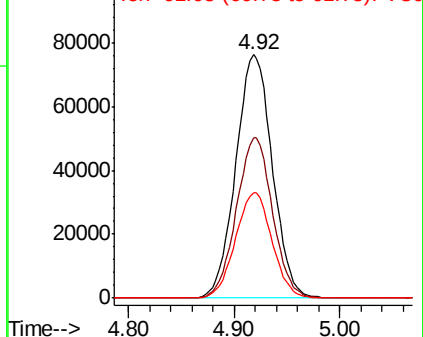


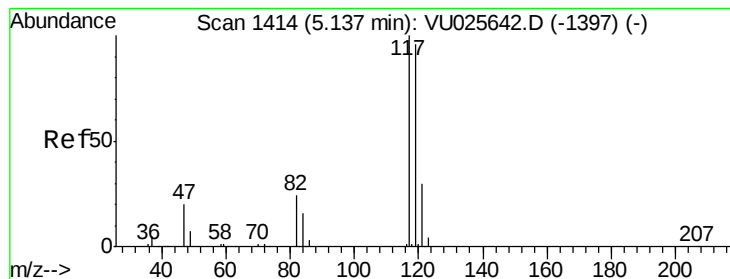
#30
1,1,1-Trichloroethane
Concen: 45.869 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025731.D
Acq: 31 Jul 2018 08:17

Tgt Ion: 97 Resp: 183790
Ion Ratio Lower Upper
97 100
99 65.2 52.4 78.6
61 43.3 34.6 52.0



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 45.394 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU025731.D

Acq: 31 Jul 2018 08:17

Instrument :

MSVOA_D

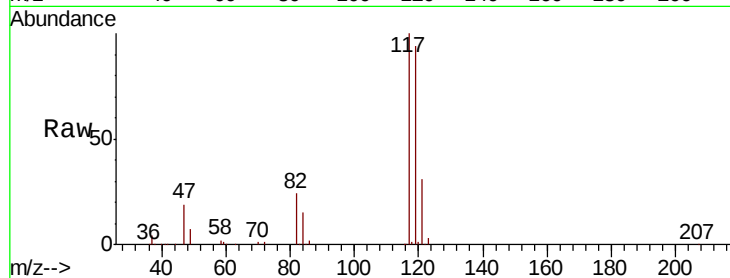
ClientSampleId :

Tot Ion:117 Resp: 168185

Ion Ratio Lower Upper

117 100

119 96.7 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.14

80000

60000

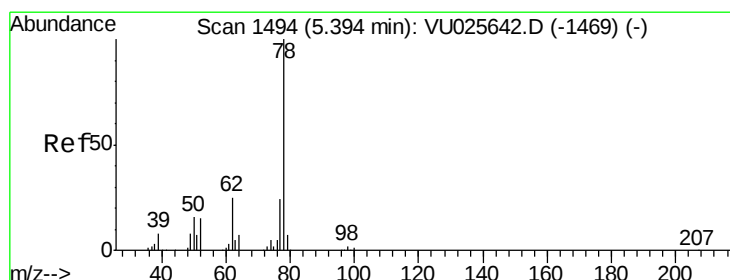
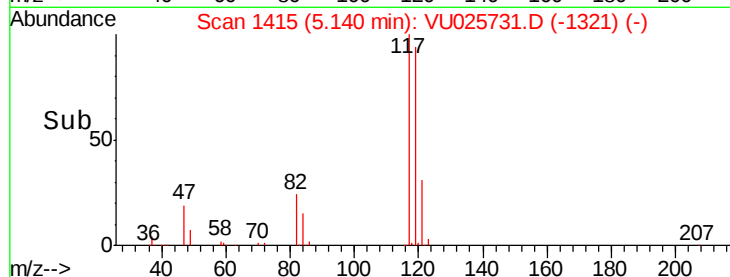
40000

20000

0

Time-->

5.05 5.10 5.15 5.20 5.25



#33

Benzene

Concen: 45.497 ug/L

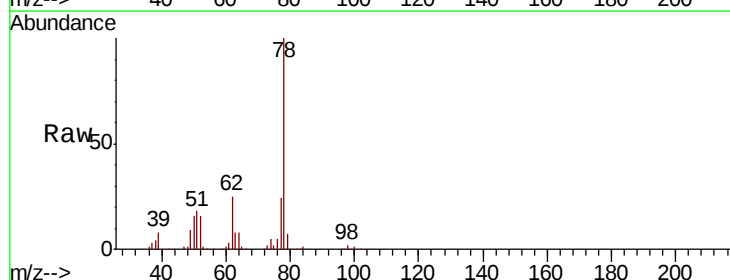
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU025731.D

Acq: 31 Jul 2018 08:17

Tgt Ion: 78 Resp: 418595



Abundance Ion 78.00 (77.70 to 78.70): VU0

200000

150000

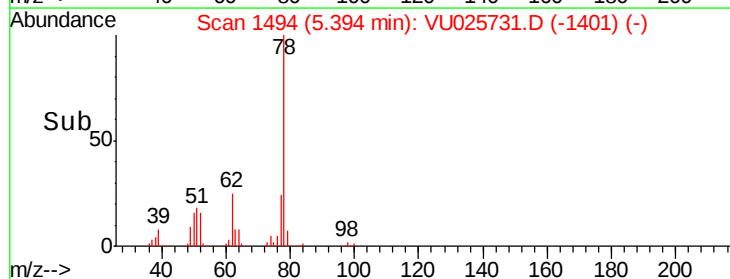
100000

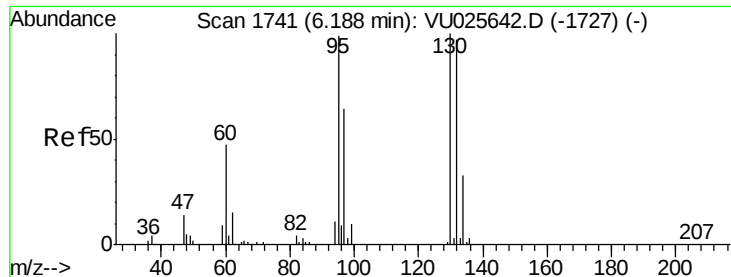
50000

0

Time-->

5.30 5.40 5.50

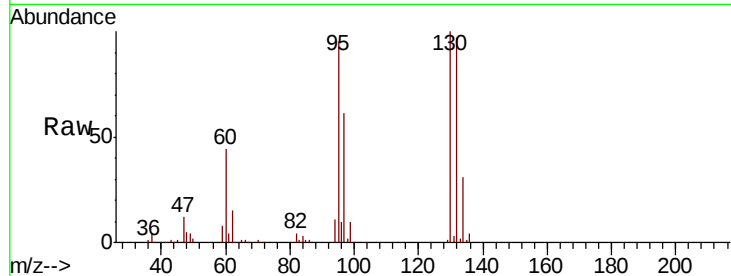




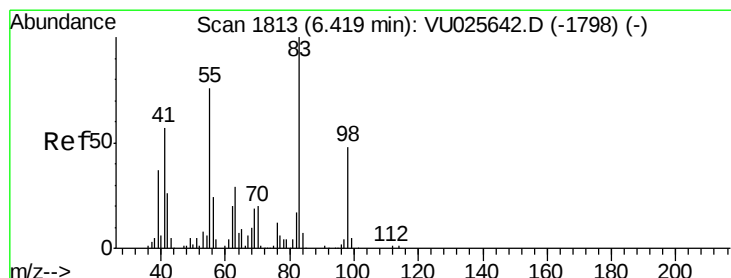
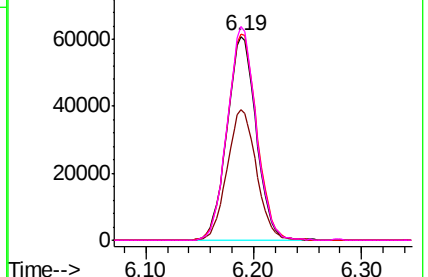
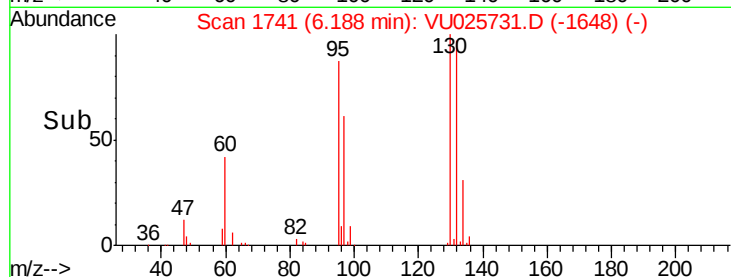
#34
 Trichloroethene
 Concen: 47.118 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU025731.D
 Acq: 31 Jul 2018 08:17

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:	95	Resp:	115023
Ion	Ratio	Lower	Upper
95	100		
97	64.0	45.9	85.3
132	101.4	72.2	134.2
130	104.8	74.9	139.1

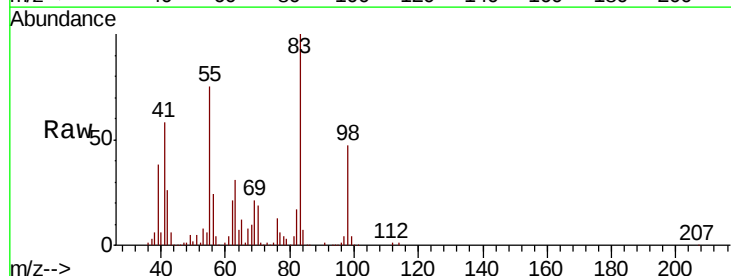


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

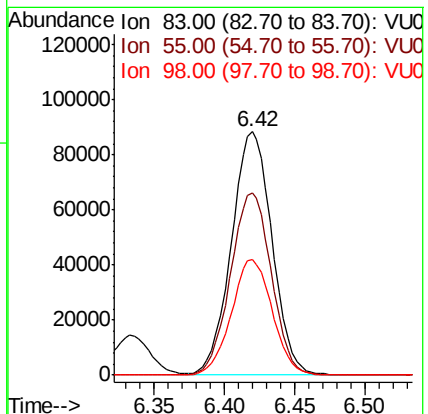
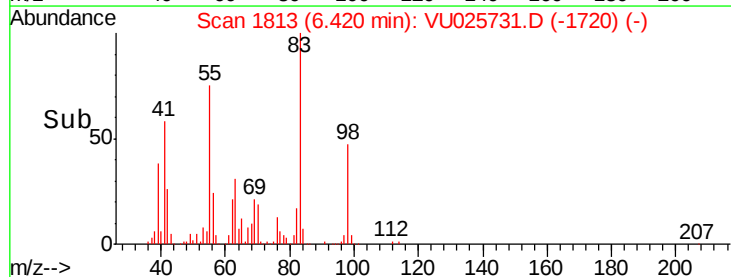


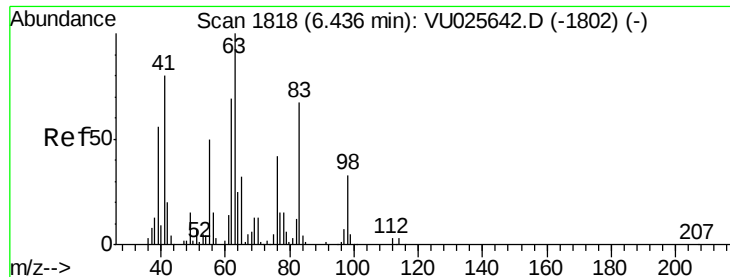
#35
 Methylcyclohexane
 Concen: 45.001 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU025731.D
 Acq: 31 Jul 2018 08:17

Tgt Ion:	83	Resp:	177131
Ion	Ratio	Lower	Upper
83	100		
55	75.8	61.1	91.7
98	48.2	38.6	57.8



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

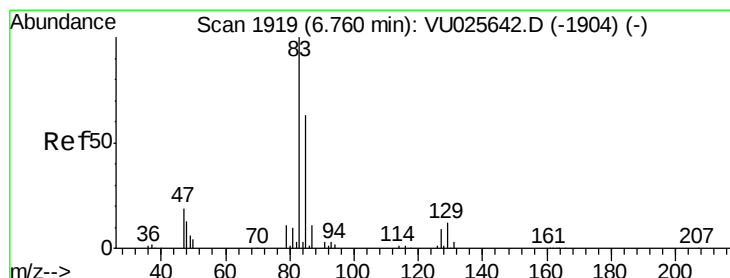
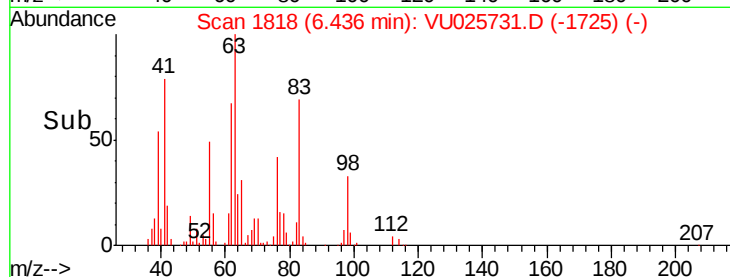
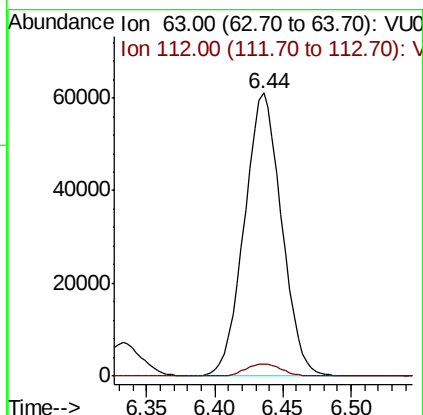
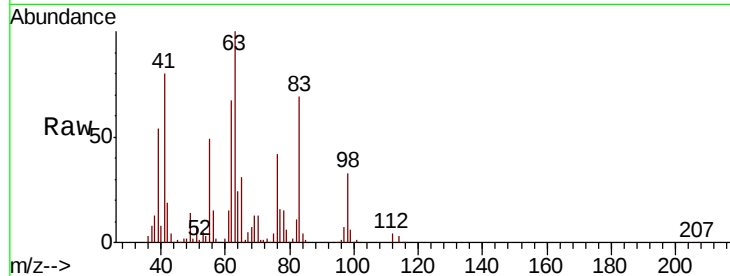




#37
 1,2-Dichloropropane
 Concen: 46.101 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025731.D
 Acq: 31 Jul 2018 08:17

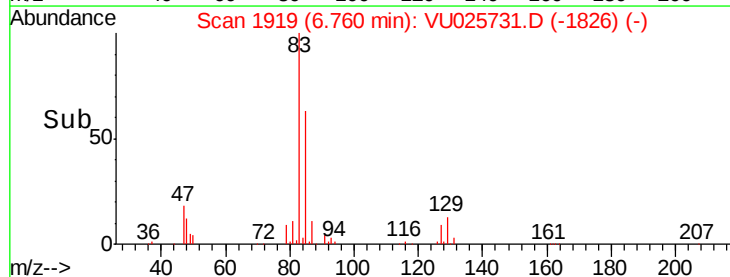
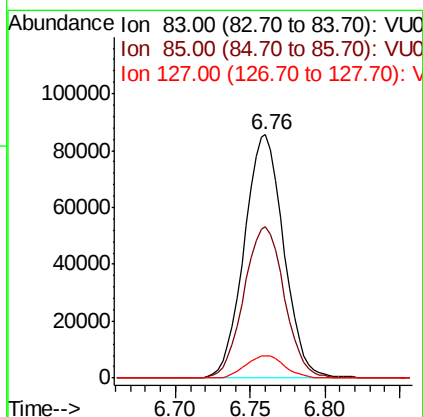
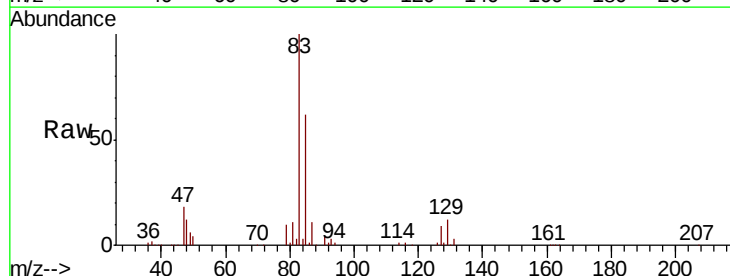
Instrument :
 MSVOA_D
 ClientSampleId :

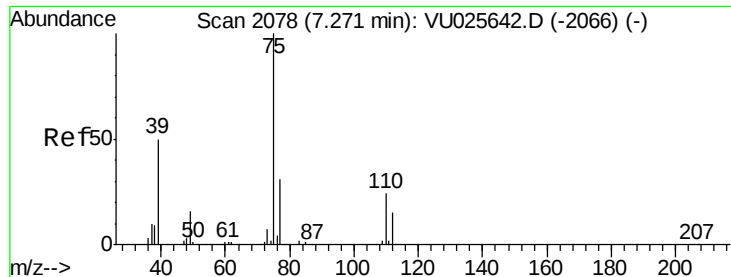
Tot Ion: 63 Resp: 115906
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.3 4.9



#38
 Bromodichloromethane
 Concen: 47.320 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU025731.D
 Acq: 31 Jul 2018 08:17

Tgt Ion: 83 Resp: 156859
 Ion Ratio Lower Upper
 83 100
 85 62.2 46.7 86.7
 127 9.3 8.0 12.0

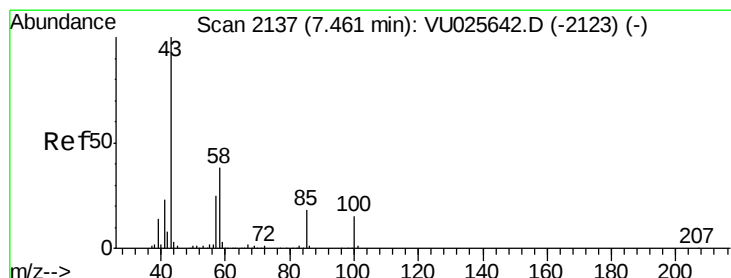
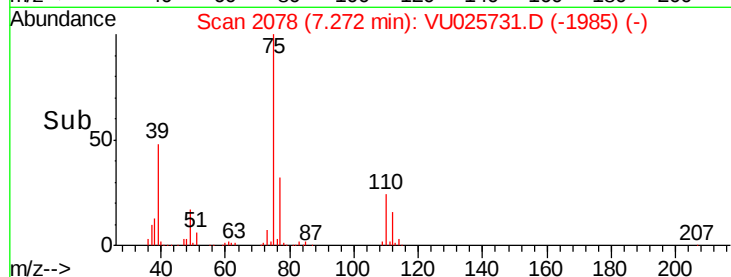
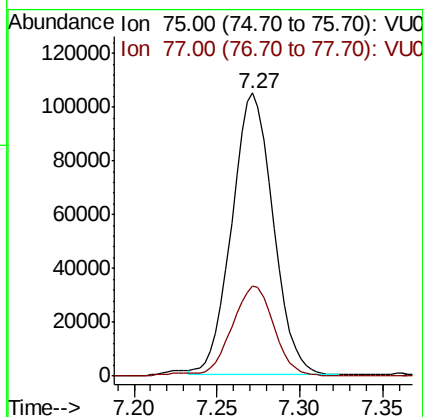
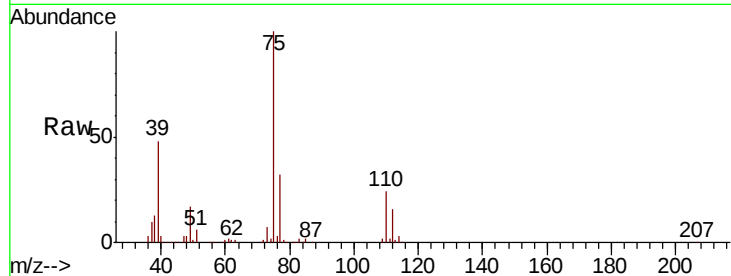




#39
 cis-1,3-Dichloropropene
 Concen: 46.483 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025731.D
 Acq: 31 Jul 2018 08:17

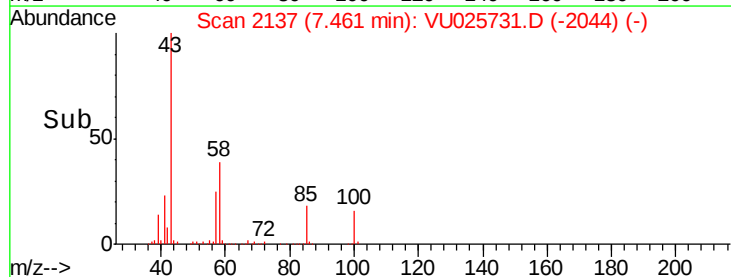
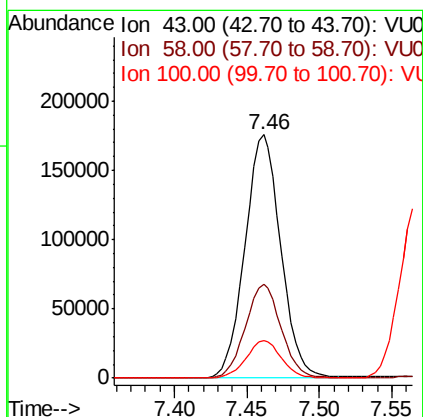
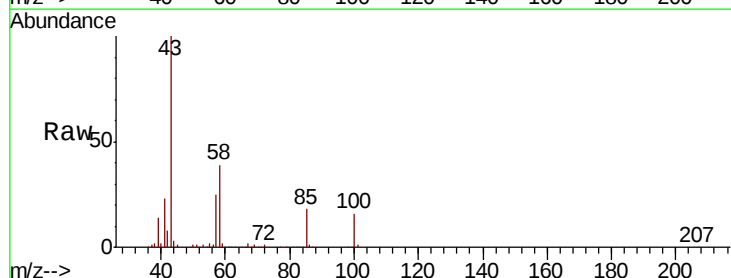
Instrument :
 MSVOA_D
 ClientSampleID :

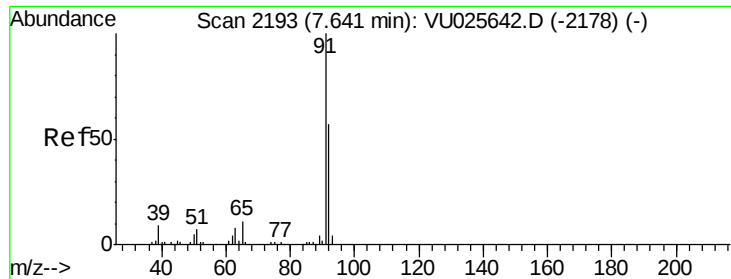
Tot Ion: 75 Resp: 181365
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 91.669 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU025731.D
 Acq: 31 Jul 2018 08:17

Tgt Ion: 43 Resp: 302658
 Ion Ratio Lower Upper
 43 100
 58 38.7 30.8 46.2
 100 15.2 12.1 18.1





#42

Toluene

Concen: 47.054 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025731.D

Acq: 31 Jul 2018 08:17

Instrument :

MSVOA_D

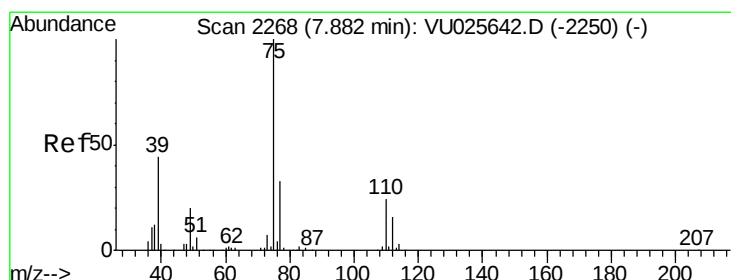
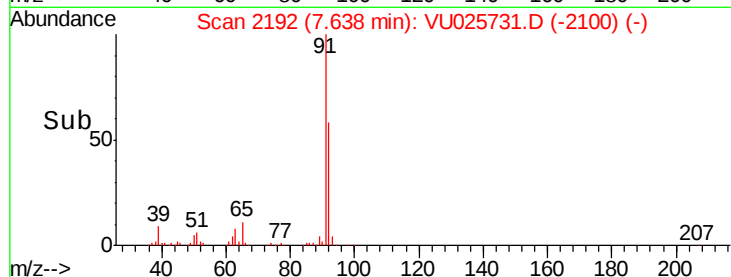
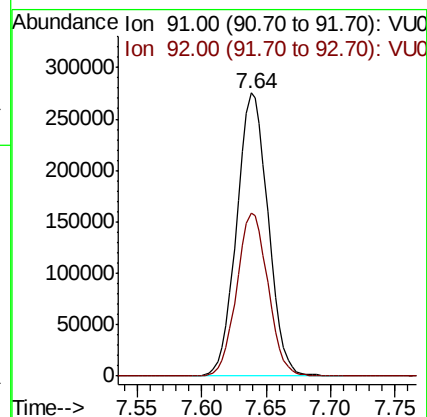
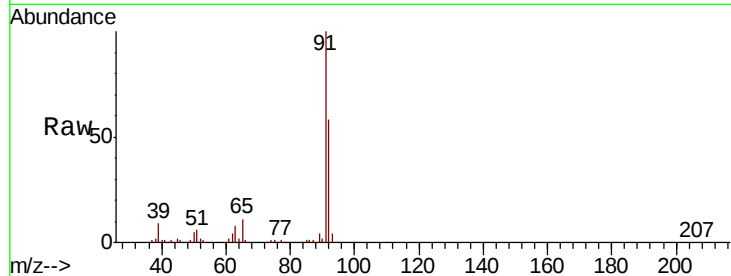
ClientSampleId :

Tot Ion: 91 Resp: 466866

Ion Ratio Lower Upper

91 100

92 57.7 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 48.557 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025731.D

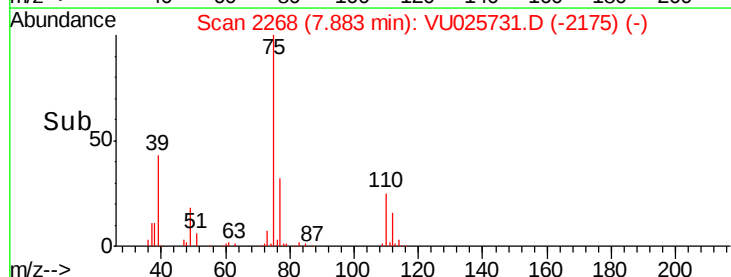
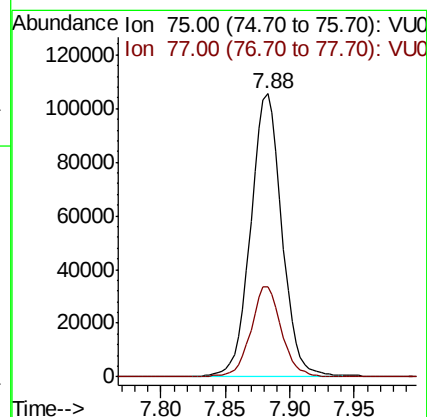
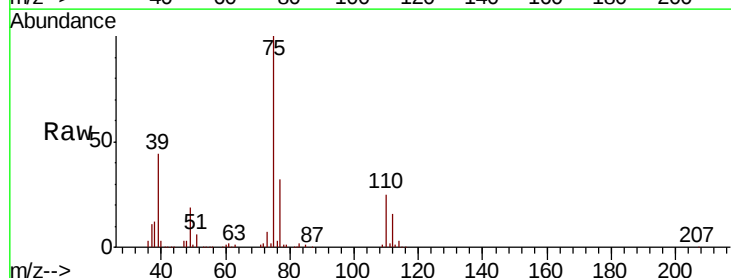
Acq: 31 Jul 2018 08:17

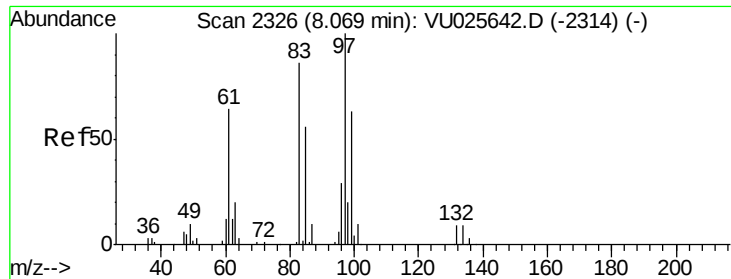
Tgt Ion: 75 Resp: 178631

Ion Ratio Lower Upper

75 100

77 31.9 22.2 41.2

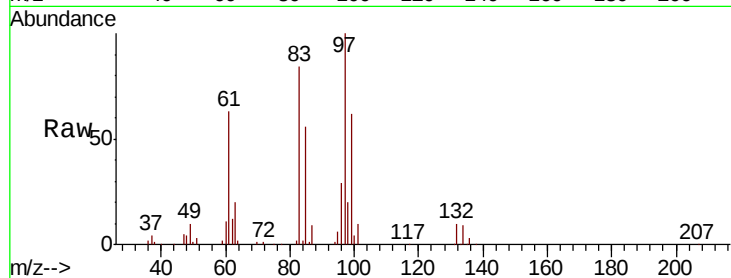




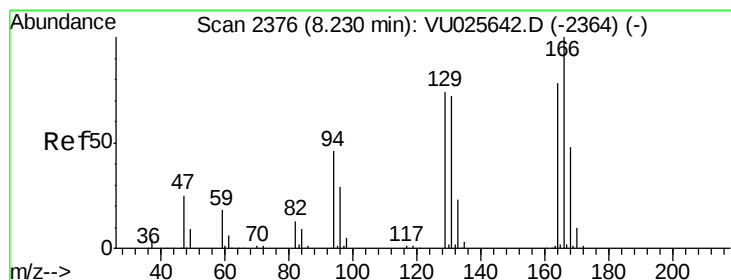
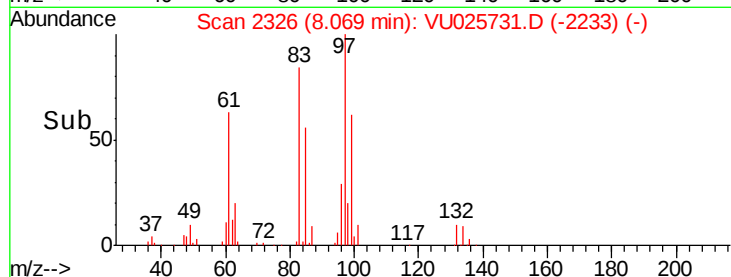
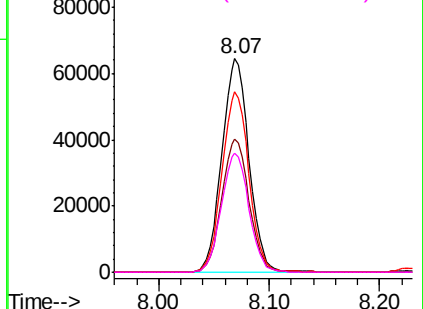
#45
 1,1,2-Trichloroethane
 Concen: 45.661 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025731.D
 Acq: 31 Jul 2018 08:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	110115
Ion	Ratio	Lower	Upper
97	100		
99	62.3	44.3	82.3
83	84.4	59.8	111.1
85	56.0	37.9	70.5

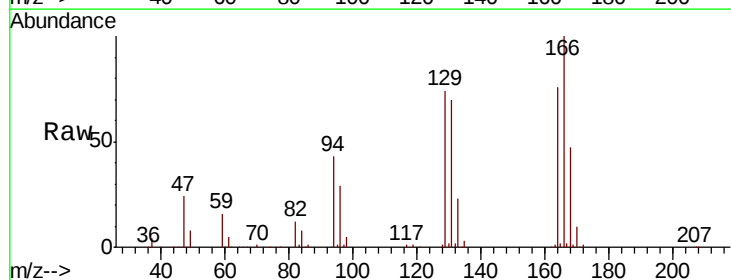


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

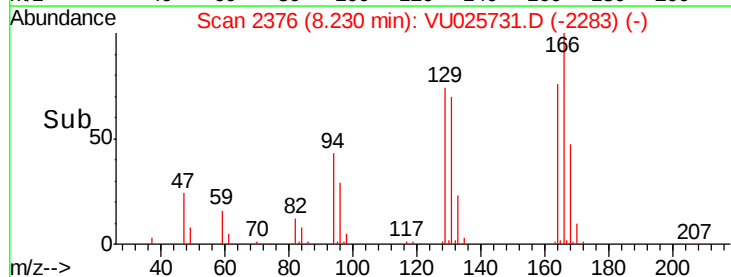
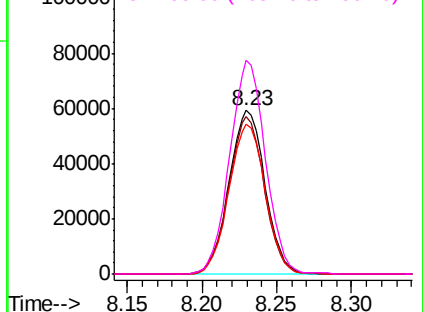


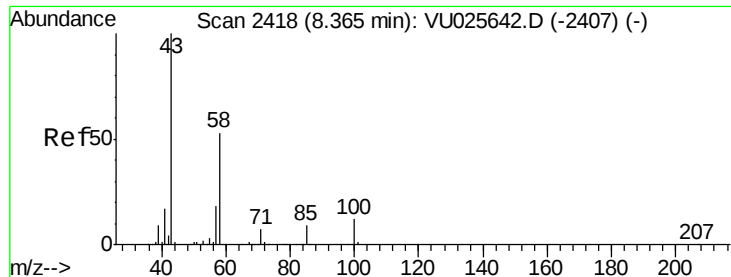
#46
 Tetrachloroethene
 Concen: 47.014 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU025731.D
 Acq: 31 Jul 2018 08:17

Tgt Ion:	164	Resp:	99497
Ion	Ratio	Lower	Upper
164	100		
129	96.8	65.1	120.9
131	91.4	62.8	116.6
166	130.8	89.7	166.7



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

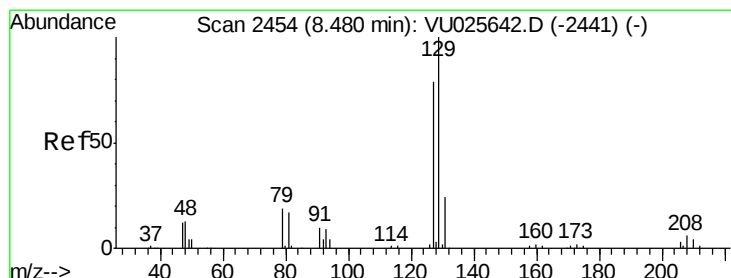
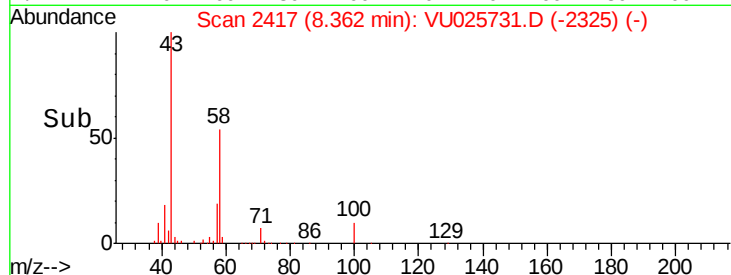
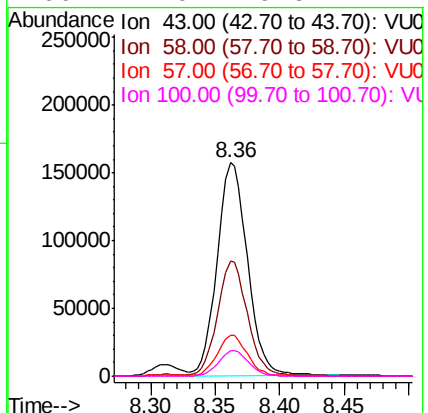
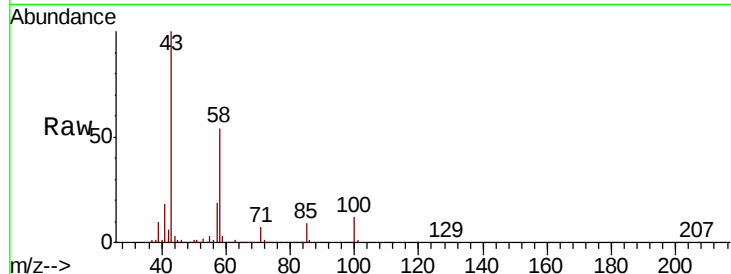




#48
2-Hexanone
Concen: 92.174 ug/L
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU025731.D
Acq: 31 Jul 2018 08:17

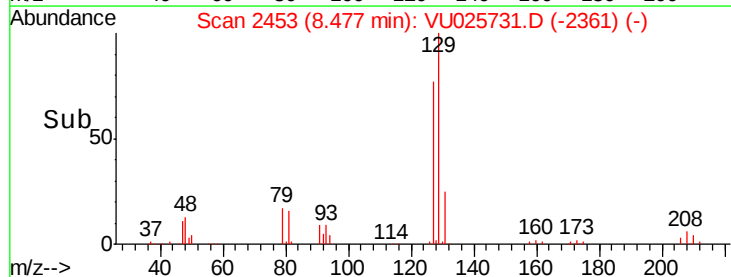
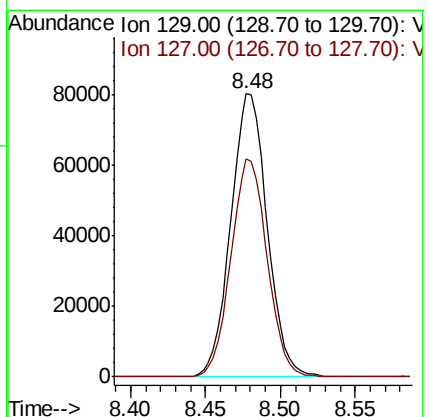
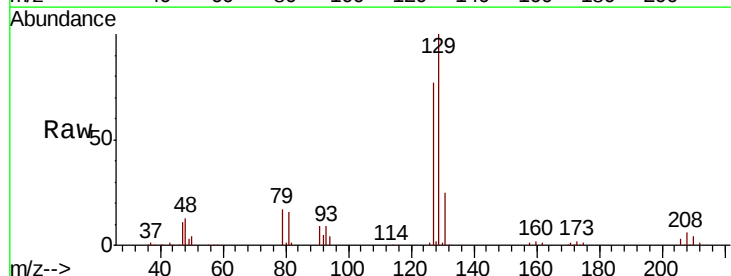
Instrument :
MSVOA_D
ClientSampled :

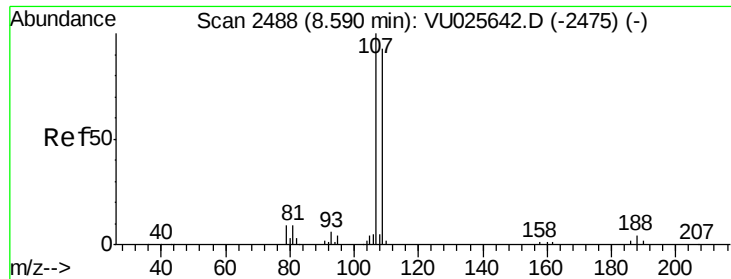
Tot Ion:	43	Resp:	257152
Ion	Ratio	Lower	Upper
43	100		
58	52.8	42.9	64.3
57	18.6	15.4	23.2
100	12.0	9.6	14.4



#49
Dibromochloromethane
Concen: 48.296 ug/L
RT: 8.48 min Scan# 2453
Delta R.T. -0.00 min
Lab File: VU025731.D
Acq: 31 Jul 2018 08:17

Tgt Ion:	129	Resp:	136624
Ion	Ratio	Lower	Upper
129	100		
127	77.1	53.8	100.0

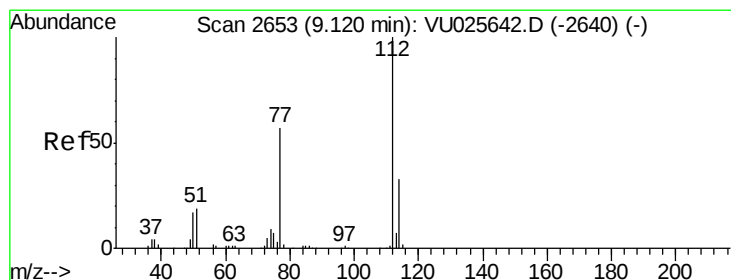
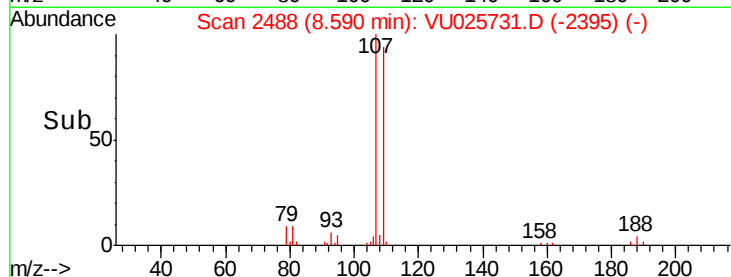
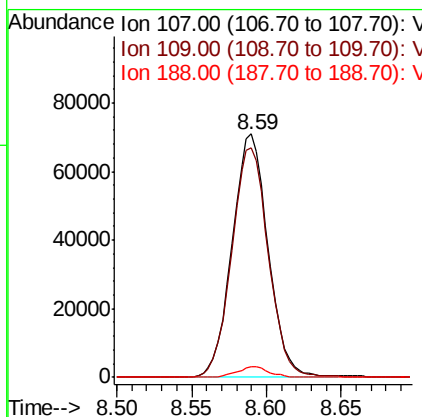
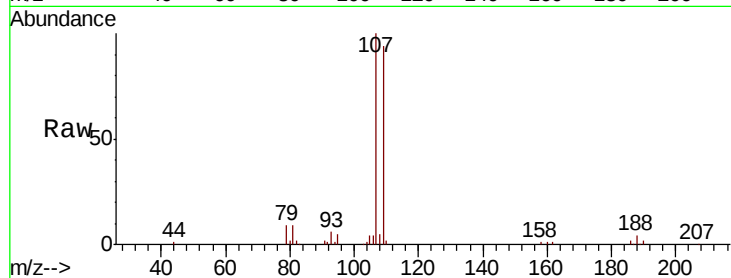




#50
 1,2-Dibromoethane
 Concen: 45.725 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025731.D
 Acq: 31 Jul 2018 08:17

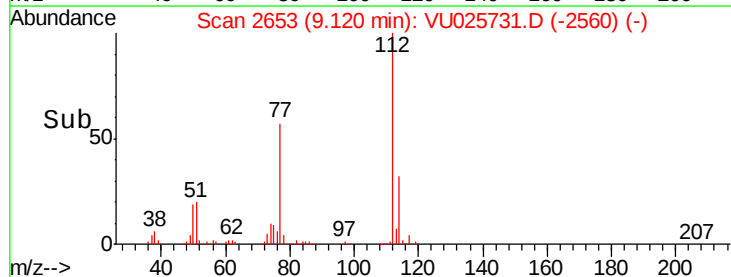
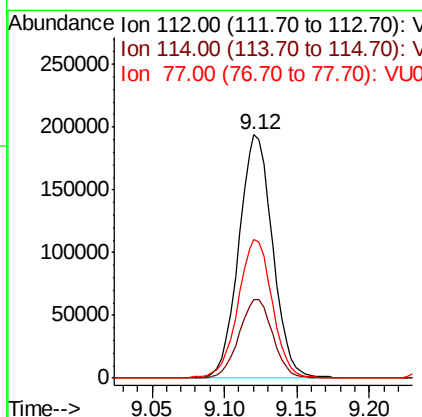
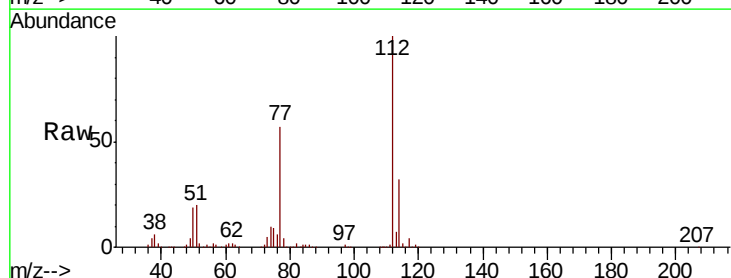
Instrument :
 MSVOA_D
 ClientSampleId :

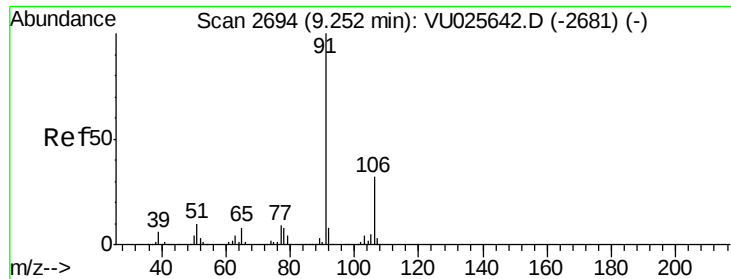
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	66.6	123.8
188	4.2	3.2	4.8



#51
 Chlorobenzene
 Concen: 47.034 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. 0.00 min
 Lab File: VU025731.D
 Acq: 31 Jul 2018 08:17

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.5	41.9
77	56.8	45.8	68.8





#52

Ethylbenzene

Concen: 48.221 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025731.D

Acq: 31 Jul 2018 08:17

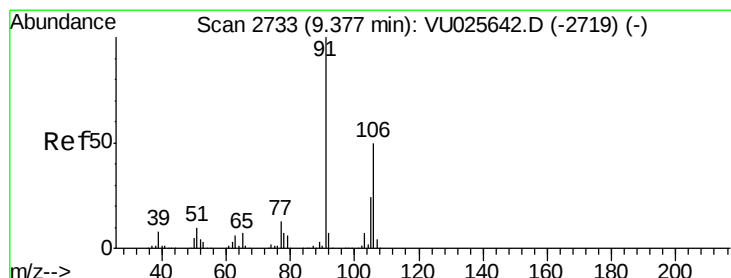
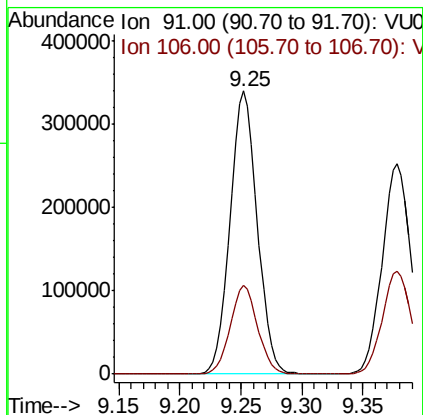
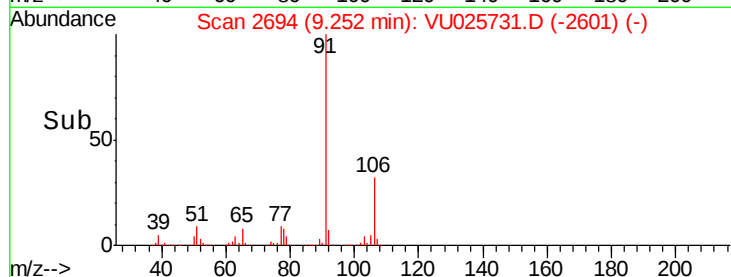
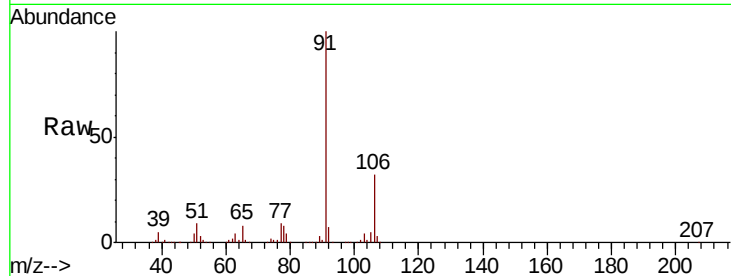
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 528068

Ion Ratio Lower Upper

91 100

106 31.5 22.3 41.5



#53

m,p-Xylene

Concen: 48.630 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025731.D

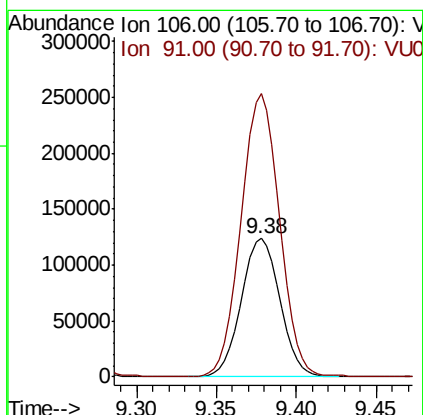
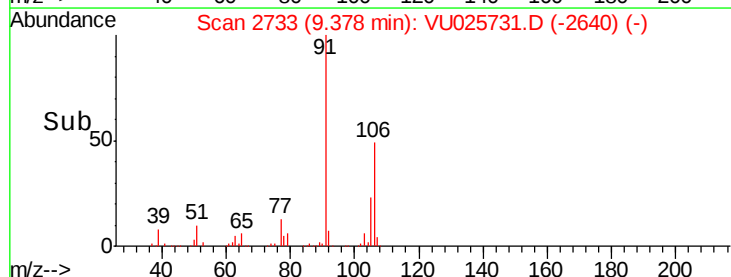
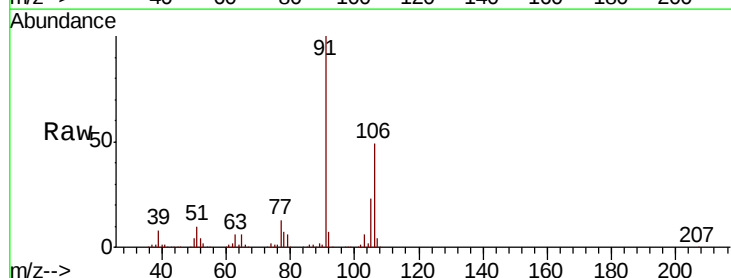
Acq: 31 Jul 2018 08:17

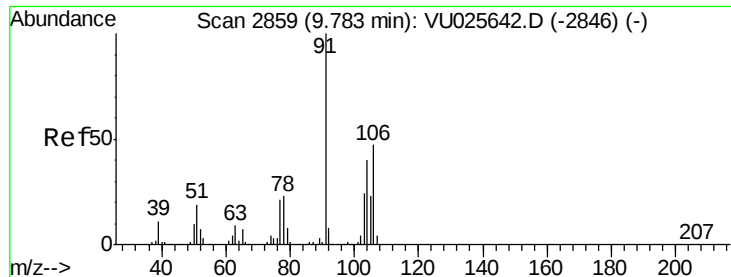
Tgt Ion: 106 Resp: 203983

Ion Ratio Lower Upper

106 100

91 204.3 141.7 263.3





#54

o-xylene

Concen: 46.824 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU025731.D

Acq: 31 Jul 2018 08:17

Instrument :

MSVOA_D

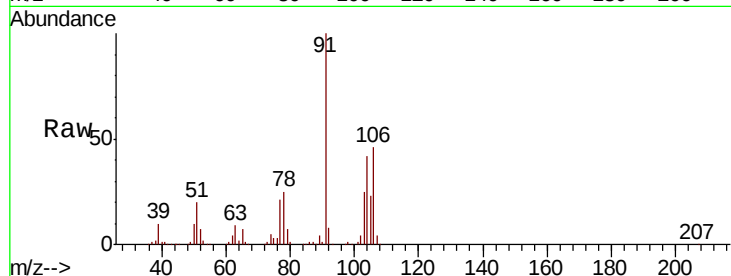
ClientSampled :

Tot Ion:106 Resp: 199296

Ion Ratio Lower Upper

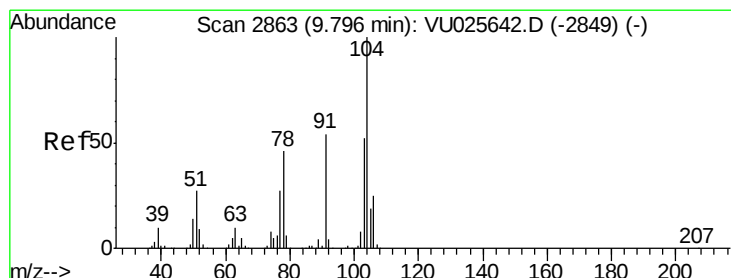
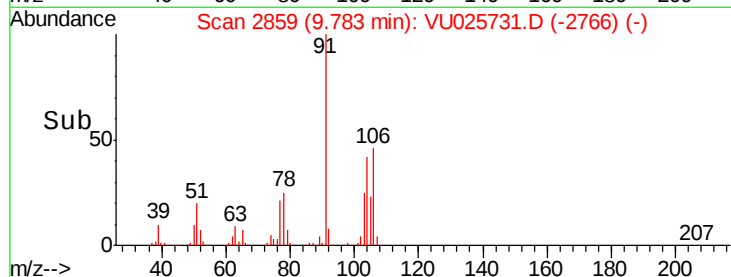
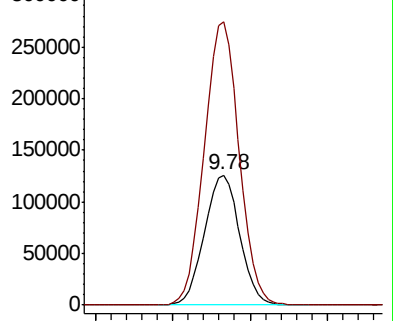
106 100

91 217.6 150.6 279.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 49.601 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU025731.D

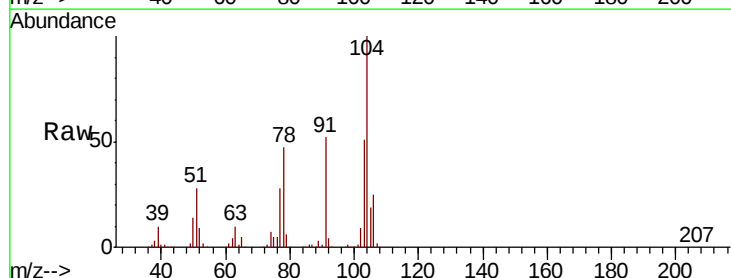
Acq: 31 Jul 2018 08:17

Tgt Ion:104 Resp: 343840

Ion Ratio Lower Upper

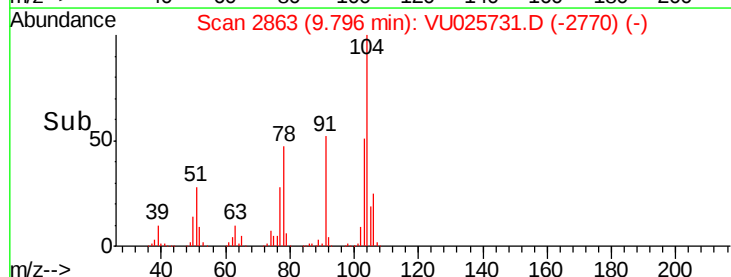
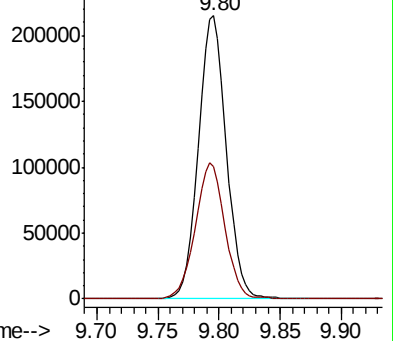
104 100

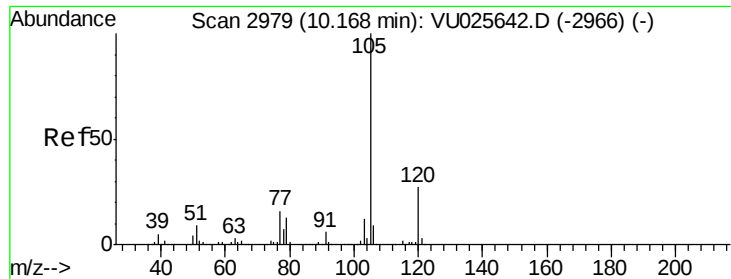
78 46.6 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 48.379 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025731.D

Acq: 31 Jul 2018 08:17

Instrument :

MSVOA_D

ClientSampleId :

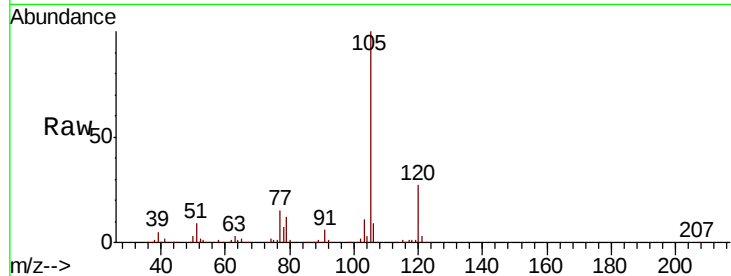
Tot Ion:105 Resp: 531403

Ion Ratio Lower Upper

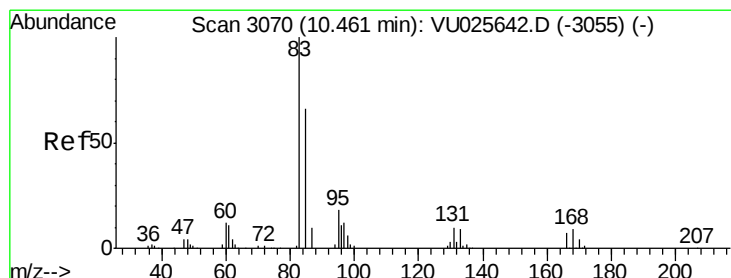
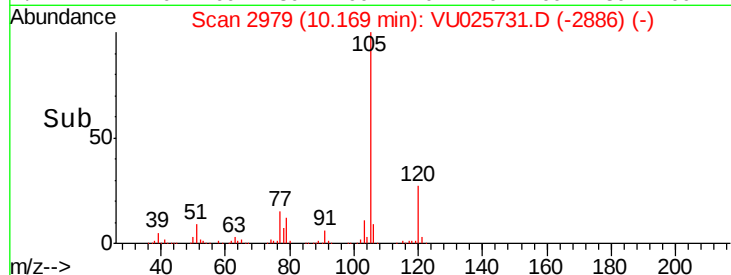
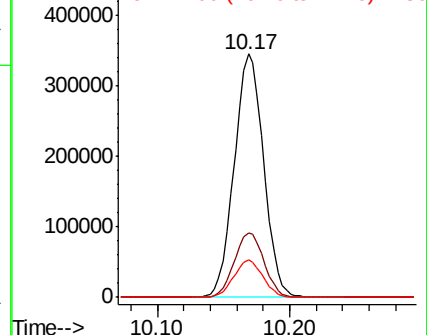
105 100

120 26.9 21.7 32.5

77 15.4 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 45.746 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. -0.00 min

Lab File: VU025731.D

Acq: 31 Jul 2018 08:17

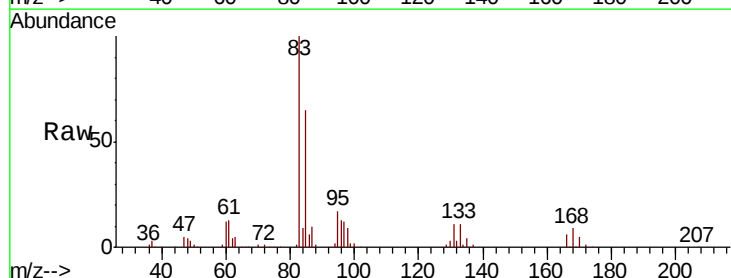
Tgt Ion: 83 Resp: 177949

Ion Ratio Lower Upper

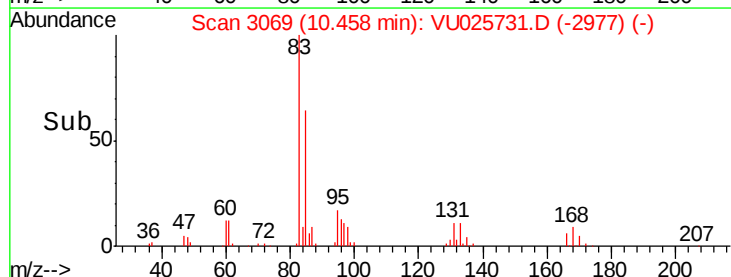
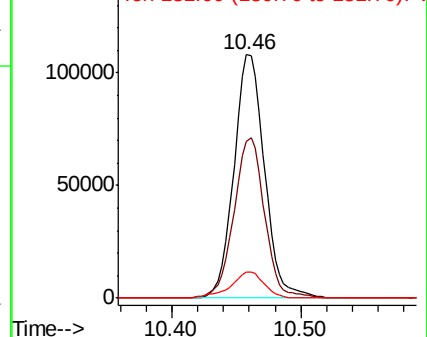
83 100

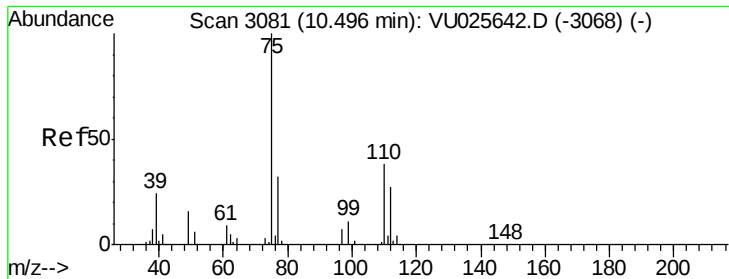
85 64.5 45.1 83.7

131 10.6 8.7 13.1



Abundance Ion 83.00 (82.70 to 83.70): VU
Ion 85.00 (84.70 to 85.70): VU
Ion 131.00 (130.70 to 131.70): V

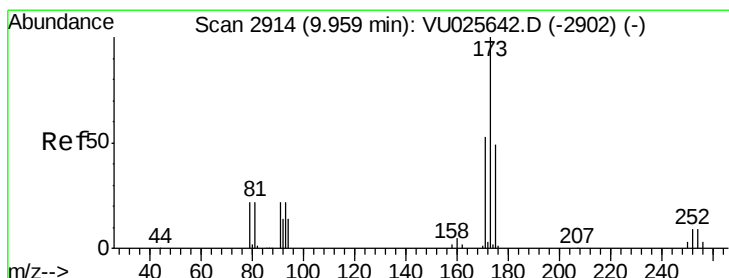
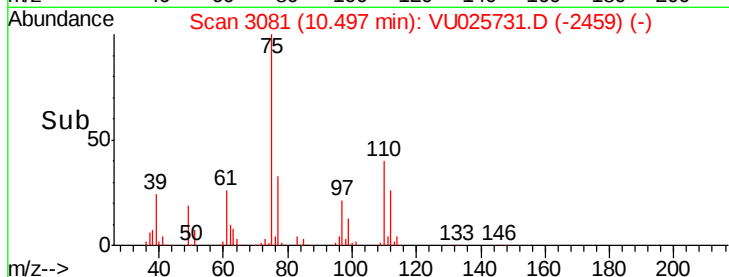
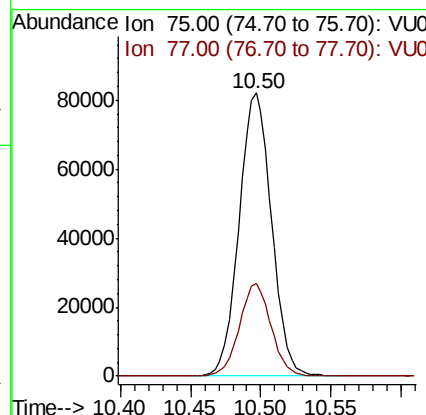
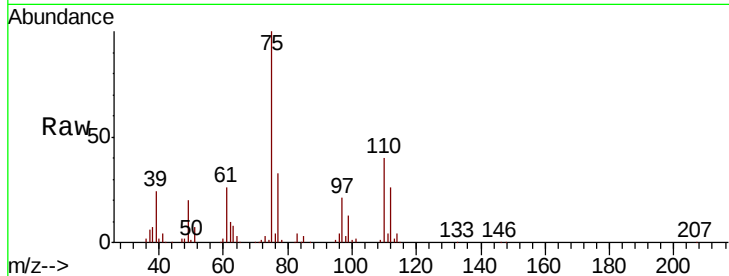




#59
 1,2,3-Trichloropropane
 Concen: 44.774 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU025731.D
 Acq: 31 Jul 2018 08:17

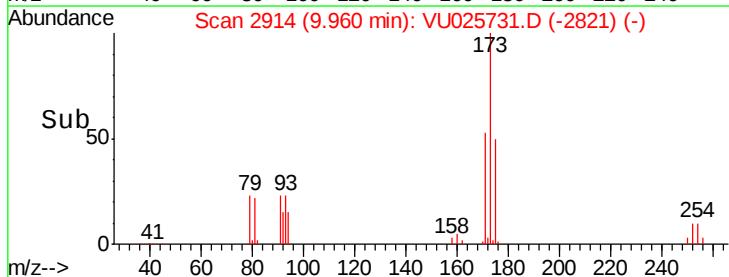
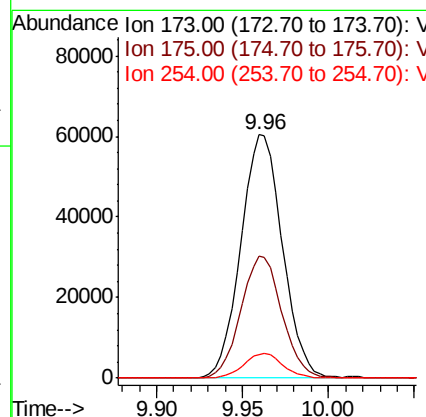
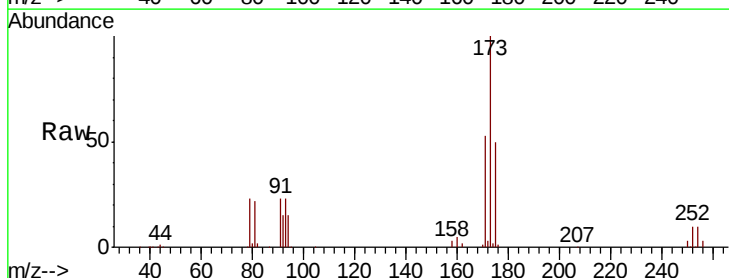
Instrument :
 MSVOA_D
 ClientSampleId :

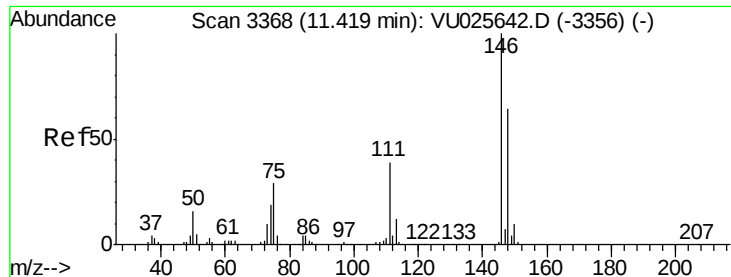
Tot Ion: 75 Resp: 132220
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.8 38.8



#61
 Bromoform
 Concen: 43.596 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. 0.00 min
 Lab File: VU025731.D
 Acq: 31 Jul 2018 08:17

Tgt Ion: 173 Resp: 101652
 Ion Ratio Lower Upper
 173 100
 175 49.5 39.8 59.8
 254 9.6 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 46.843 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025731.D

Acq: 31 Jul 2018 08:17

Instrument :

MSVOA_D

ClientSampleId :

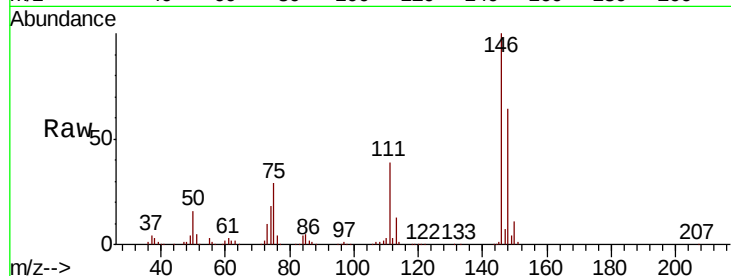
Tot Ion:146 Resp: 267100

Ion Ratio Lower Upper

146 100

111 39.1 27.7 51.5

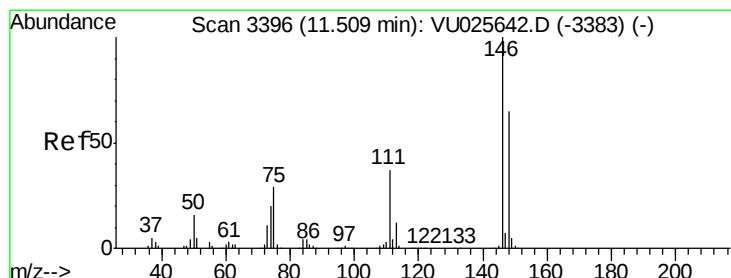
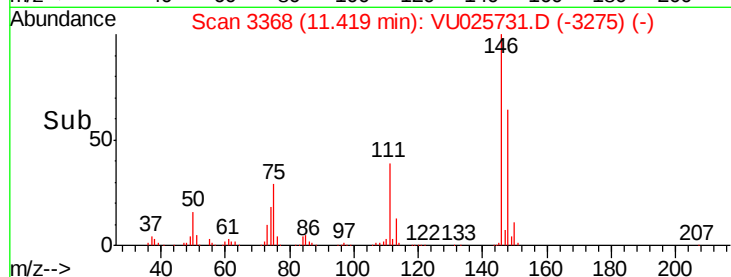
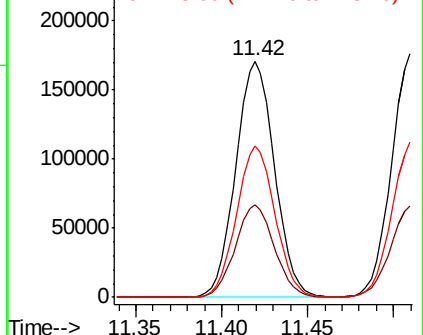
148 64.1 45.5 84.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 47.087 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025731.D

Acq: 31 Jul 2018 08:17

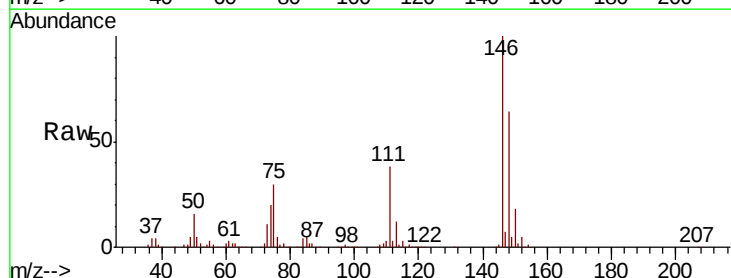
Tgt Ion:146 Resp: 274068

Ion Ratio Lower Upper

146 100

111 37.6 26.9 49.9

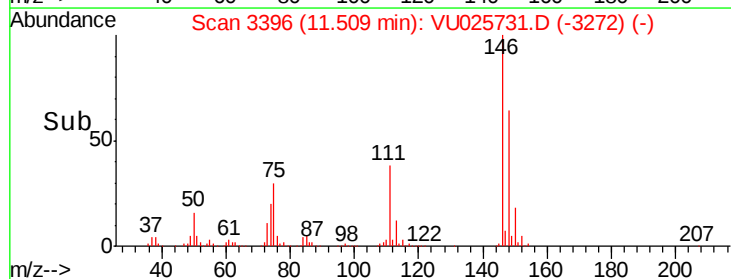
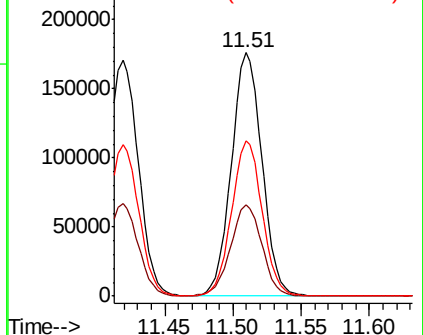
148 63.6 44.6 82.8

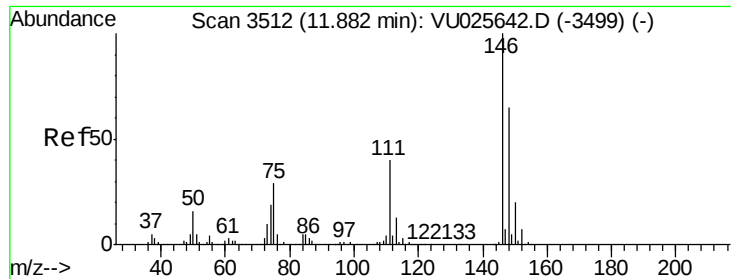


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

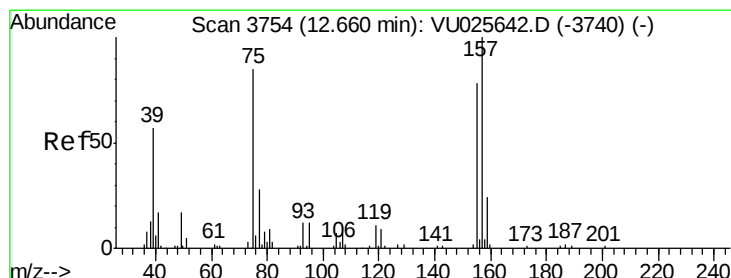
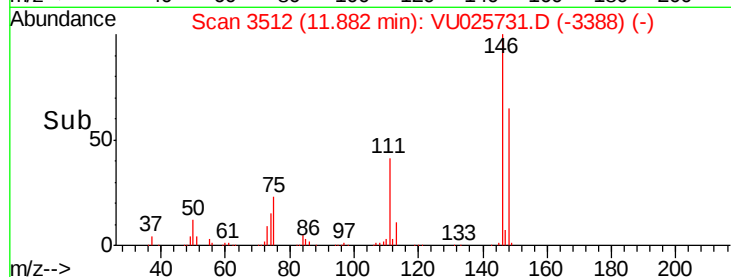
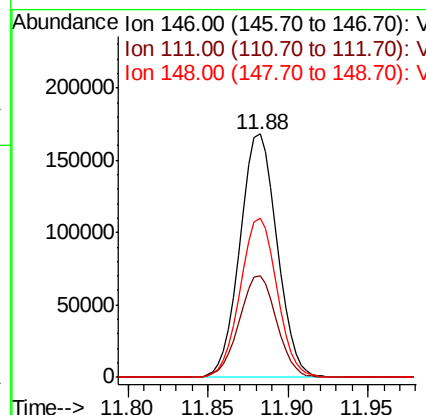
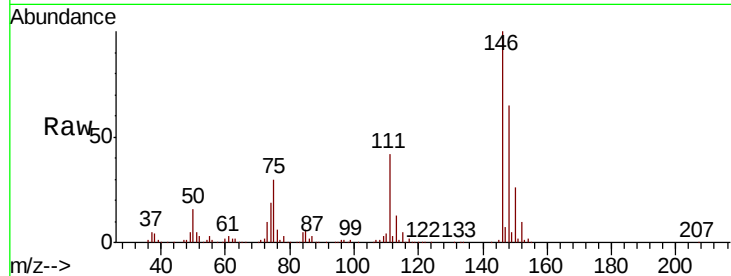




#65
 1,2-Dichlorobenzene
 Concen: 44.471 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025731.D
 Acq: 31 Jul 2018 08:17

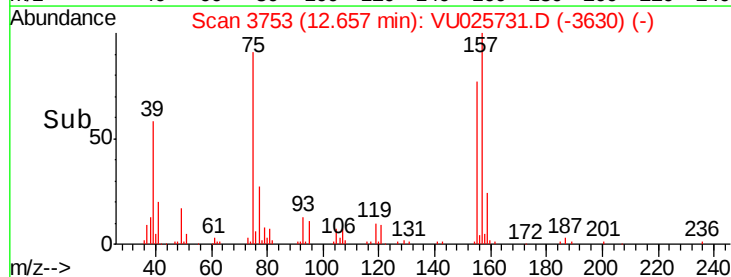
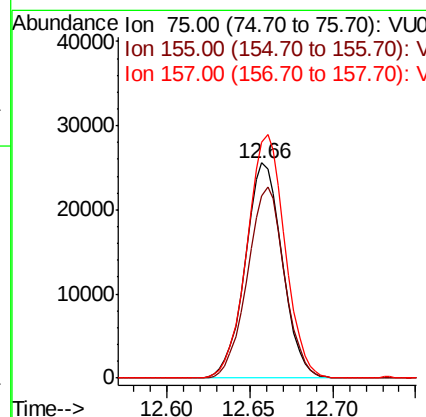
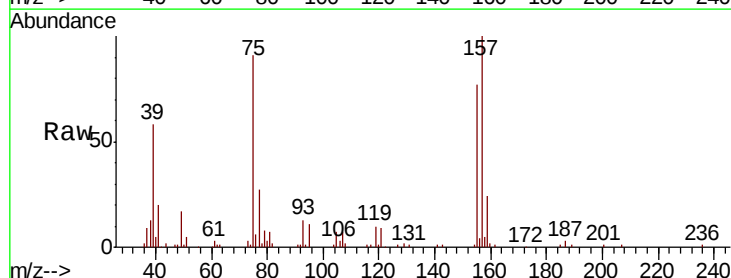
Instrument :
 MSVOA_D
 ClientSampleID :

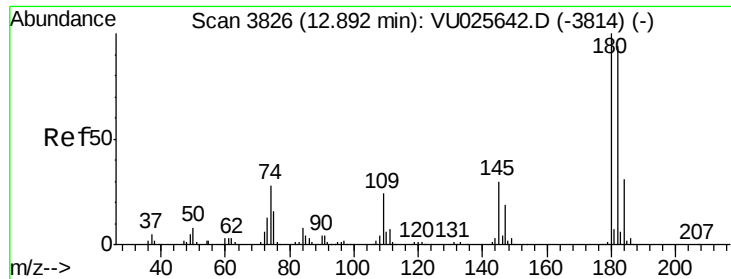
Tot Ion:146 Resp: 265651
 Ion Ratio Lower Upper
 146 100
 111 41.6 32.4 48.6
 148 65.4 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 42.269 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VU025731.D
 Acq: 31 Jul 2018 08:17

Tgt Ion: 75 Resp: 39711
 Ion Ratio Lower Upper
 75 100
 155 84.9 66.3 99.5
 157 109.7 91.5 137.3

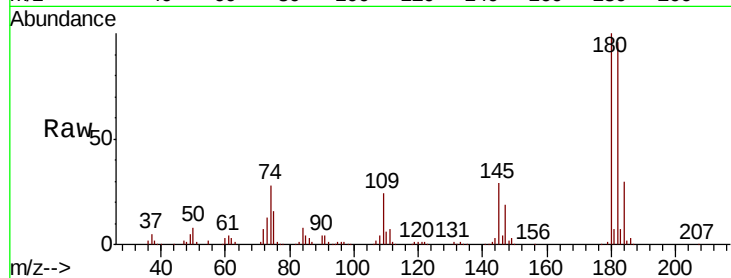




#67
 1,3,5-Trichlorobenzene
 Concen: 47.460 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU025731.D
 Acq: 31 Jul 2018 08:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.3	115.9
184	30.5	24.6	36.8
145	28.9	23.0	34.6



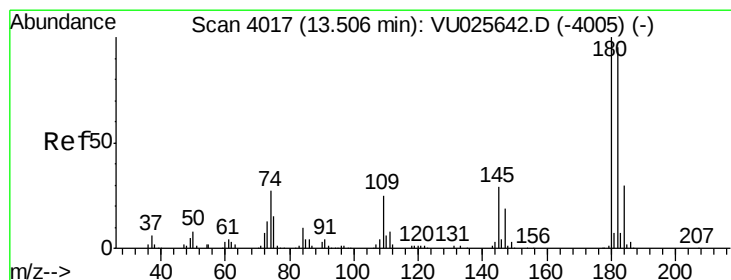
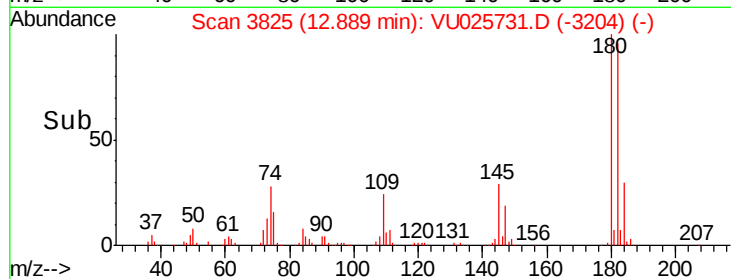
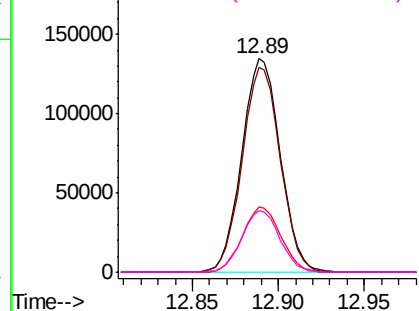
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

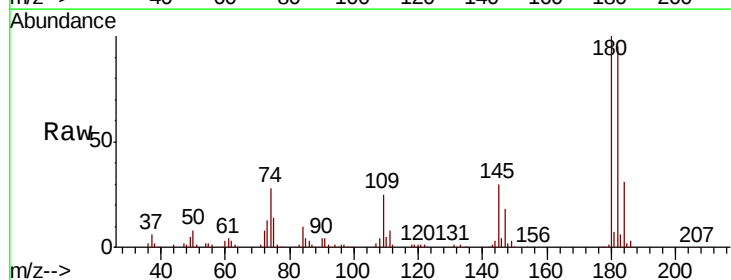
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 50.168 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025731.D
 Acq: 31 Jul 2018 08:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	78.1	117.1
145	29.4	23.4	35.2

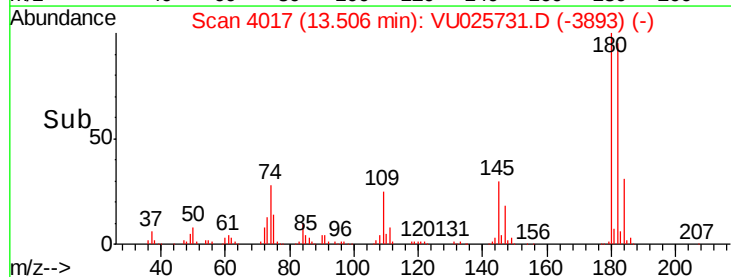
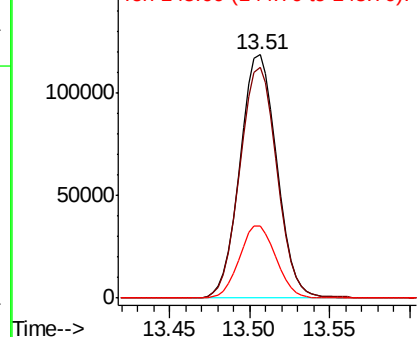


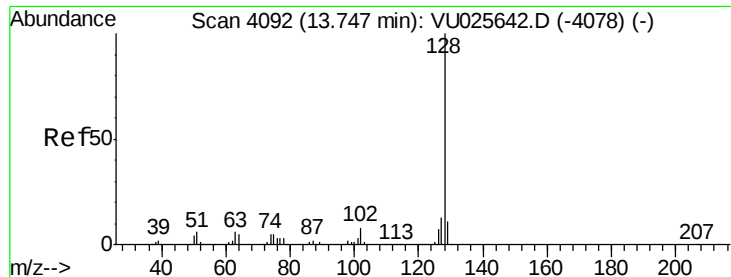
Abundance

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





#69

Naphthalene

Concen: 47.331 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU025731.D

Acq: 31 Jul 2018 08:17

Instrument :

MSVOA_D

ClientSampleId :

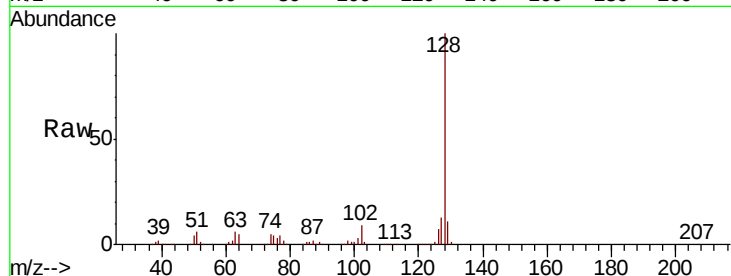
Tot Ion:128 Resp: 526516

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

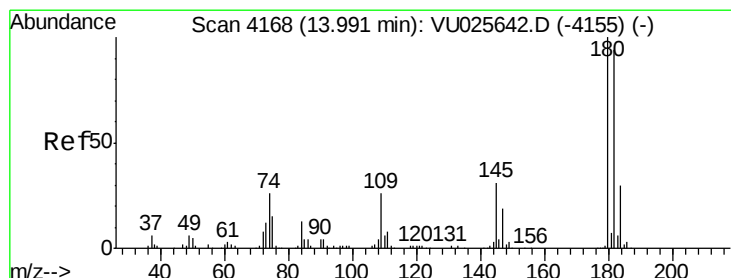
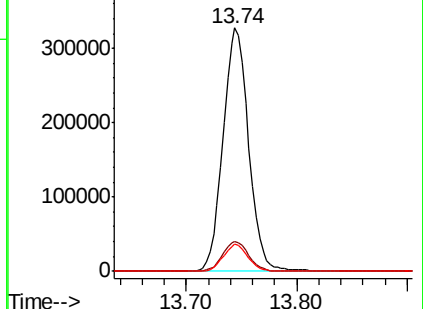
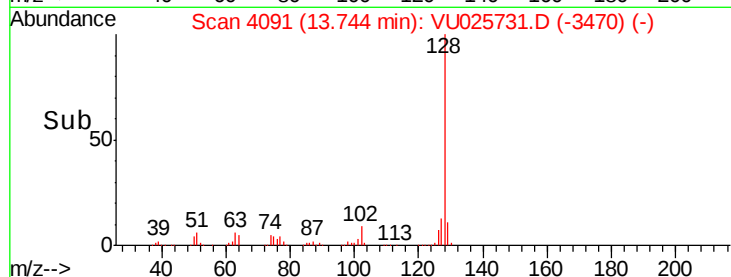
129 10.8 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 47.861 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025731.D

Acq: 31 Jul 2018 08:17

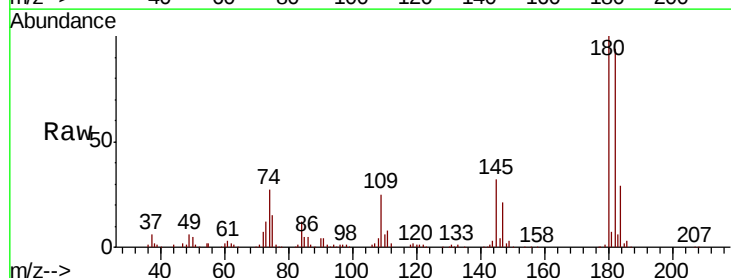
Tgt Ion:180 Resp: 187153

Ion Ratio Lower Upper

180 100

182 94.5 76.6 114.8

145 30.8 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

