

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU073118\
 Data File : VU025735.D
 Acq On : 31 Jul 2018 11:27
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 31 11:58:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 31 11:57:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	337202	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	318249	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	182921	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	77254	40.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.26%
7) Chloroethane-d5	1.68	69	68840	43.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.70%
11) 1,1-Dichloroethene-d2	2.28	63	169554	42.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.62%
21) 2-Butanone-d5	4.18	46	142164	95.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.66%
24) Chloroform-d	4.65	84	199256	46.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.94%
26) 1,2-Dichloroethane-d4	5.31	65	130432	45.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.98%
32) Benzene-d6	5.35	84	368451	45.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.28%
36) 1,2-Dichloropropane-d6	6.33	67	120143	45.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.36%
41) Toluene-d8	7.57	98	350431	44.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.54%
43) trans-1,3-Dichloropropene-	7.85	79	62365	46.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.84%
47) 2-Hexanone-d5	8.31	63	106862	97.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.04%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	173119	47.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.14%
64) 1,2-Dichlorobenzene-d4	11.86	152	161503	43.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	146265	44.023	ug/L 100
3) Chloromethane	1.33	50	109790	45.757	ug/L 100
5) Vinyl chloride	1.41	62	118897	45.180	ug/L 100
6) Bromomethane	1.63	94	50753	55.457	ug/L 93
8) Chloroethane	1.70	64	70421	45.444	ug/L 96
9) Trichlorofluoromethane	1.89	101	174102	46.457	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	100545	47.910	ug/L 99
12) 1,1-Dichloroethene	2.29	96	89624	47.096	ug/L 93
13) Acetone	2.32	43	144992	83.119	ug/L 99
14) Carbon disulfide	2.48	76	274640	44.321	ug/L 100
15) Methyl Acetate	2.62	43	110437	45.798	ug/L 99
16) Methylene chloride	2.70	84	109544	46.210	ug/L 99
17) trans-1,2-Dichloroethene	2.99	96	104523	47.705	ug/L 98
18) Methyl tert-butyl Ether	3.00	73	343086	48.080	ug/L 100
19) 1,1-Dichloroethane	3.45	63	196863	47.233	ug/L 98
20) cis-1,2-Dichloroethene	4.23	96	118017	47.719	ug/L 96
22) 2-Butanone	4.26	43	171621	88.375	ug/L 100

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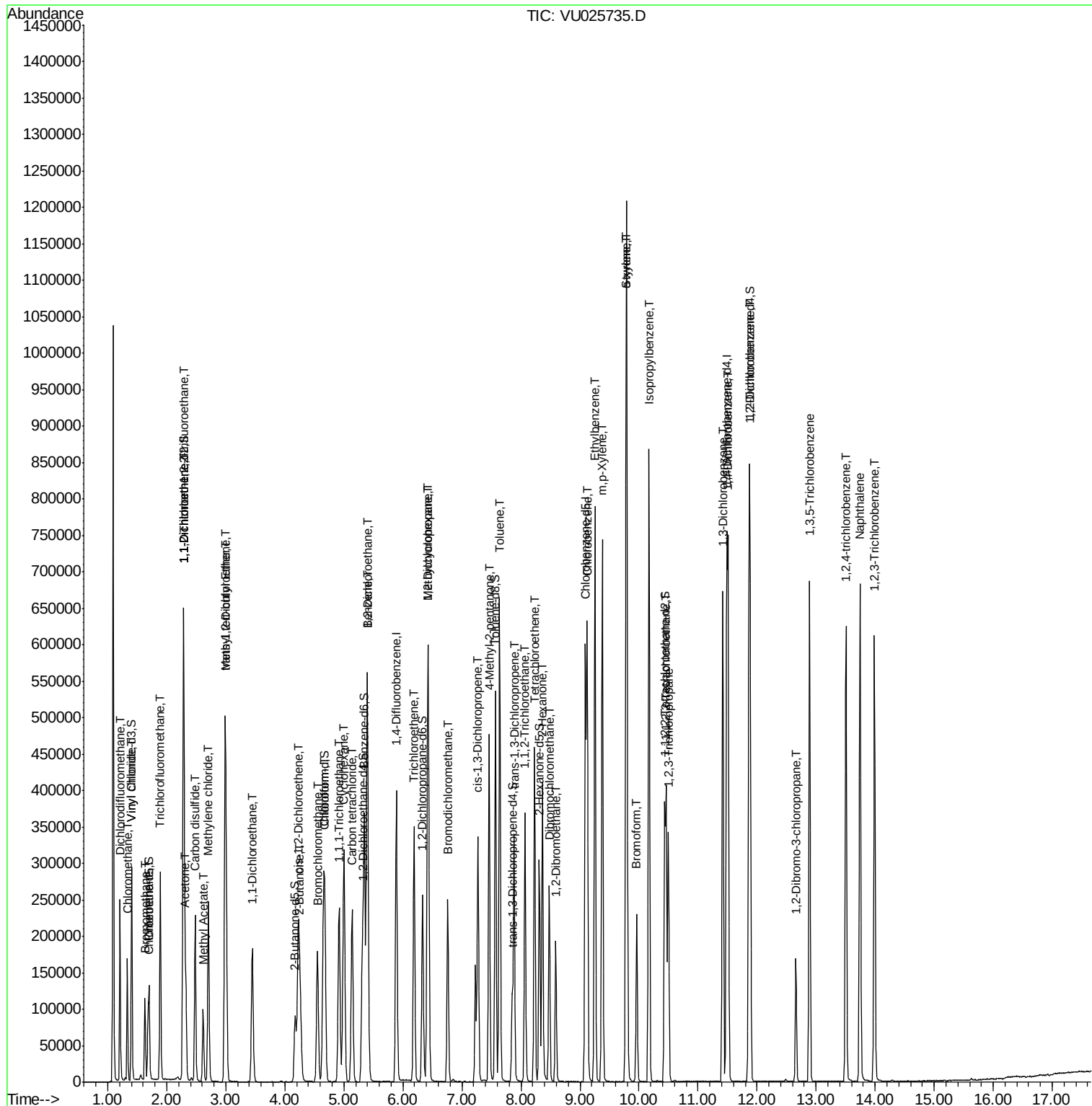
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	62249	47.686	ug/L	98
25) Chloroform	4.68	83	210401	47.974	ug/L	97
27) 1,2-Dichloroethane	5.41	62	169464	47.373	ug/L	99
29) Cyclohexane	5.00	56	174218	47.251	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	189891	47.683	ug/L	99
31) Carbon tetrachloride	5.14	117	174697	47.441	ug/L	99
33) Benzene	5.39	78	434087	47.471	ug/L	100
34) Trichloroethene	6.19	95	118157	48.699	ug/L	97
35) Methylcyclohexane	6.42	83	181643	46.431	ug/L	99
37) 1,2-Dichloropropane	6.44	63	117184	46.896	ug/L	100
38) Bromodichloromethane	6.76	83	160291	48.652	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	193601	49.924	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	308889	94.131	ug/L	99
42) Toluene	7.64	91	477949	48.467	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	184294	50.404	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	113568	47.382	ug/L	99
46) Tetrachloroethene	8.23	164	102978	48.958	ug/L	99
48) 2-Hexanone	8.36	43	258761	93.321	ug/L	99
49) Dibromochloromethane	8.48	129	139938	49.771	ug/L	98
50) 1,2-Dibromoethane	8.59	107	123360	47.772	ug/L	99
51) Chlorobenzene	9.12	112	323642	48.749	ug/L	99
52) Ethylbenzene	9.25	91	545245	50.096	ug/L	100
53) m,p-Xylene	9.38	106	213396	51.186	ug/L	100
54) o-xylene	9.78	106	207614	49.078	ug/L	99
55) Styrene	9.80	104	355732	51.631	ug/L	100
56) Isopropylbenzene	10.17	105	552527	50.611	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	185011	47.854	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	138110	47.056	ug/L	99
61) Bromoform	9.96	173	105819	44.724	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	276664	47.815	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	281961	47.739	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	279828	46.163	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	40094	42.056	ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	215663	48.287	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	192576	51.304	ug/L	97
69) Naphthalene	13.74	128	538005	47.661	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	191483	48.257	ug/L	100

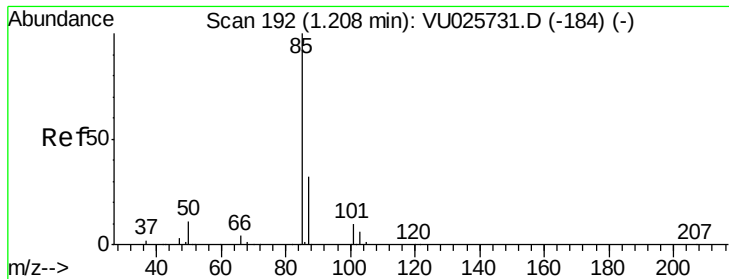
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 44.023 ug/L

RT: 1.21 min Scan# 192

Delta R.T. -0.00 min

Lab File: VU025735.D

Acq: 31 Jul 2018 11:27

Instrument :

MSVOA_D

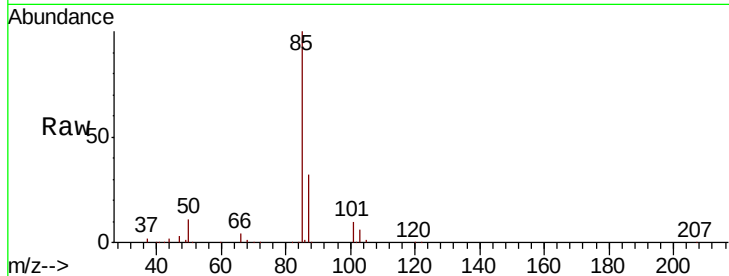
ClientSampleId :

Tot Ion: 85 Resp: 146265

Ion Ratio Lower Upper

85 100

87 31.8 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

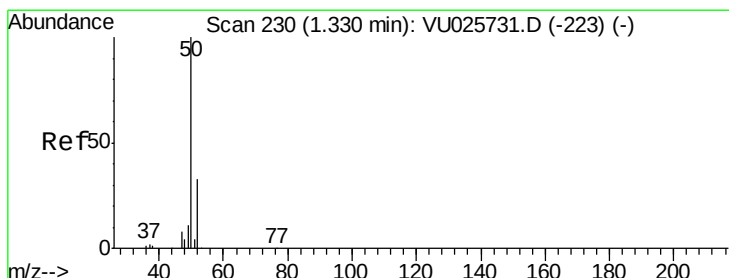
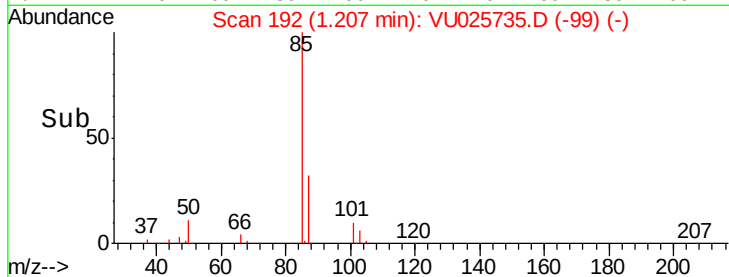
150000

100000

50000

0

Time--> 1.15 1.20 1.25



#3

Chloromethane

Concen: 45.757 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025735.D

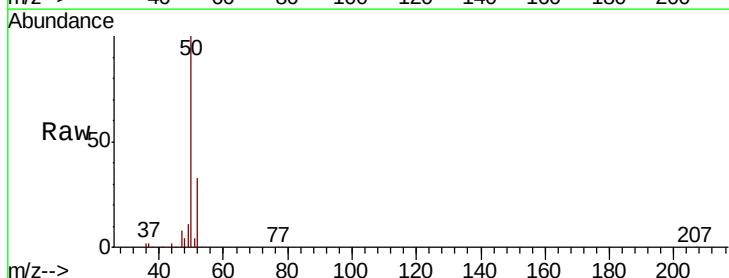
Acq: 31 Jul 2018 11:27

Tgt Ion: 50 Resp: 109790

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

120000

100000

80000

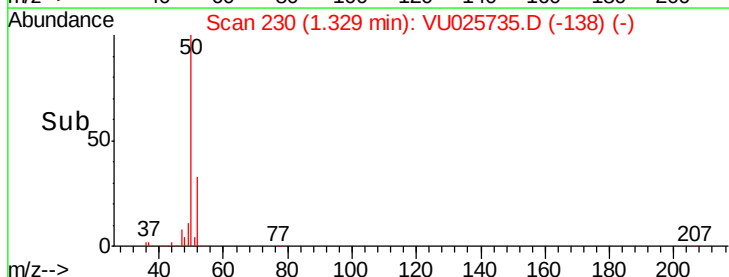
60000

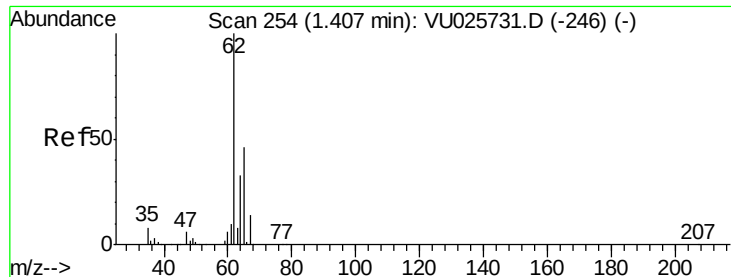
40000

20000

0

Time--> 1.30 1.35





#5

Vinyl chloride

Concen: 45.180 ug/L

RT: 1.41 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU025735.D

Acq: 31 Jul 2018 11:27

Instrument :

MSVOA_D

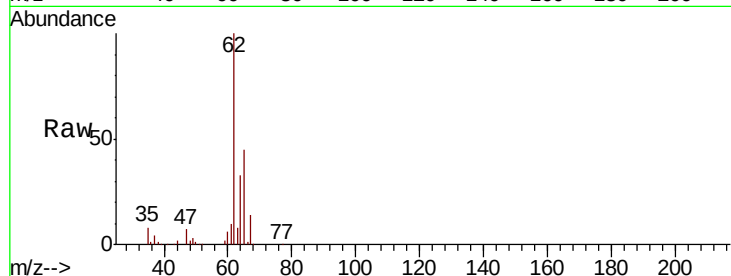
ClientSampleId :

Tot Ion: 62 Resp: 118897

Ion Ratio Lower Upper

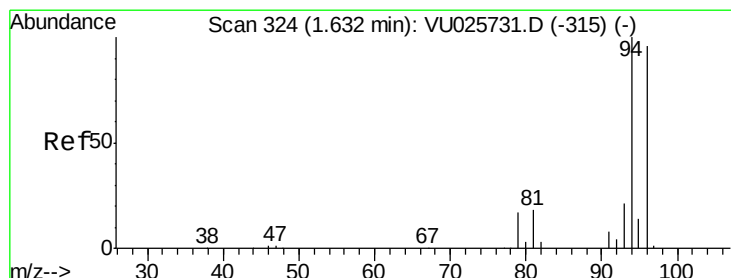
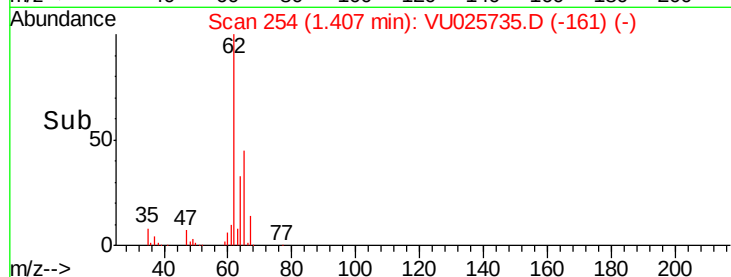
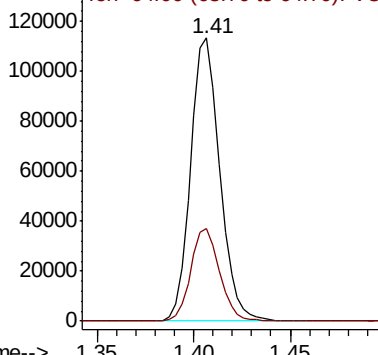
62 100

64 32.6 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 55.457 ug/L

RT: 1.63 min Scan# 323

Delta R.T. -0.00 min

Lab File: VU025735.D

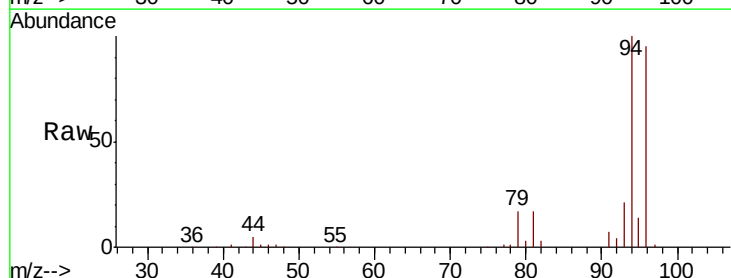
Acq: 31 Jul 2018 11:27

Tgt Ion: 94 Resp: 50753

Ion Ratio Lower Upper

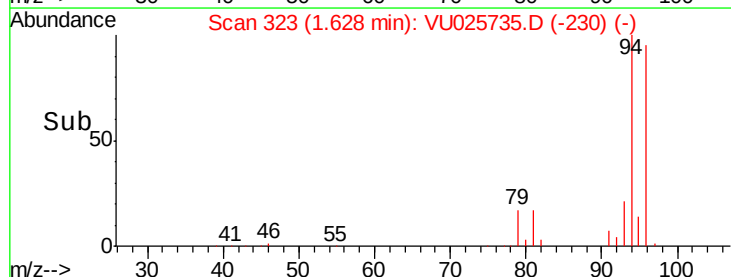
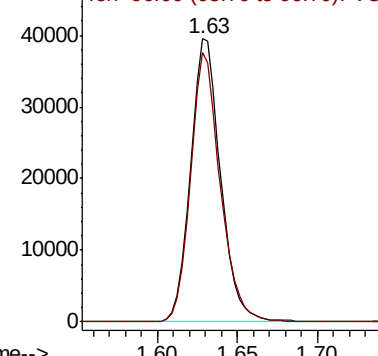
94 100

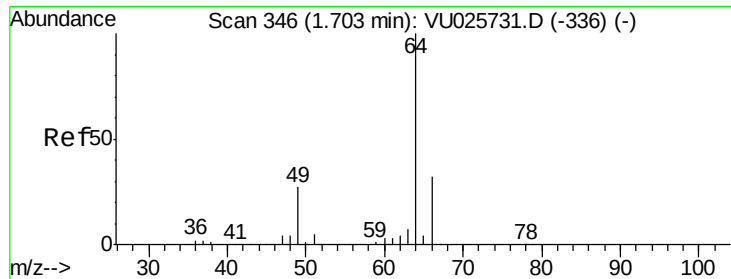
96 95.2 62.4 115.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 45.444 ug/L

RT: 1.70 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU025735.D

Acq: 31 Jul 2018 11:27

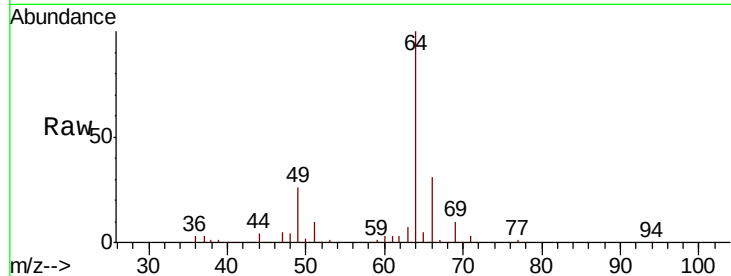
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 64 Resp: 70421

Ion Ratio Lower Upper

64 100

66 31.4 23.5 43.7



Abundance Ion 64.00 (63.70 to 64.70): VU025731.D (-336) (-)

Ion 66.00 (65.70 to 66.70): VU025731.D (-336) (-)

1.70

60000

50000

40000

30000

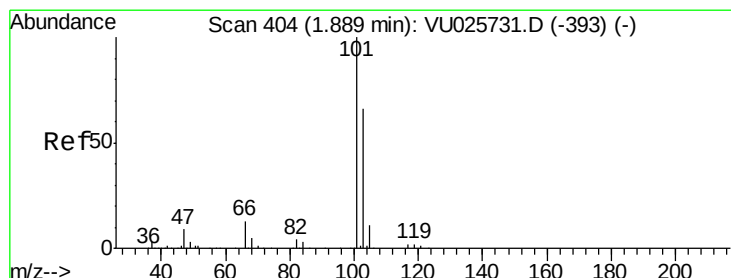
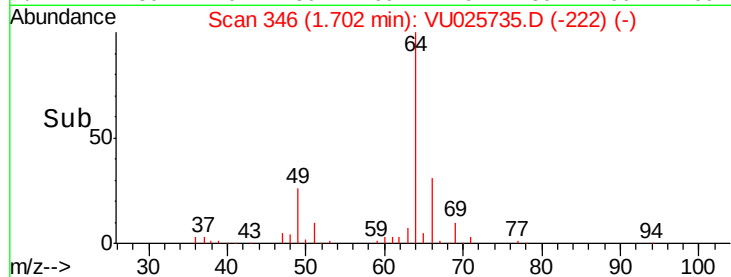
20000

10000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 46.457 ug/L

RT: 1.89 min Scan# 404

Delta R.T. -0.00 min

Lab File: VU025735.D

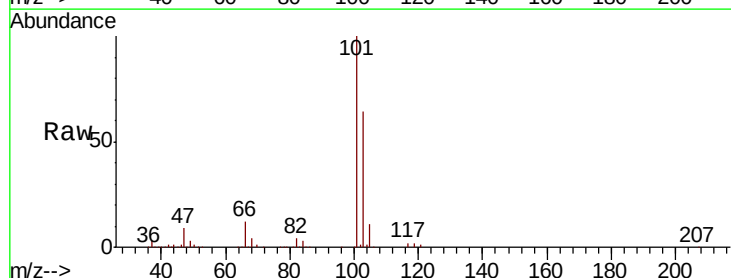
Acq: 31 Jul 2018 11:27

Tgt Ion:101 Resp: 174102

Ion Ratio Lower Upper

101 100

103 64.5 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): VU025731.D (-393) (-)

Ion 103.00 (102.70 to 103.70): VU025731.D (-393) (-)

1.89

150000

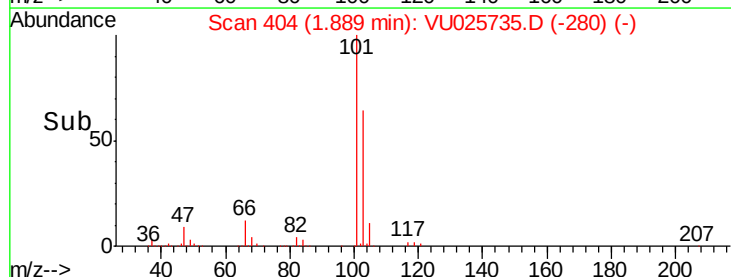
100000

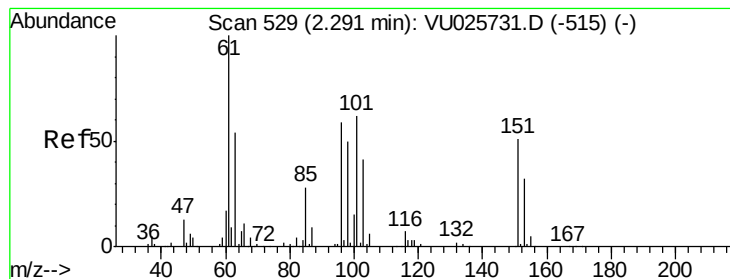
50000

0

1.85 1.90 1.95

Time-->





#10

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

Concen: 47.910 ug/L

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU025735.D

Acq: 31 Jul 2018 11:27

Instrument :

MSVOA_D

ClientSampled :

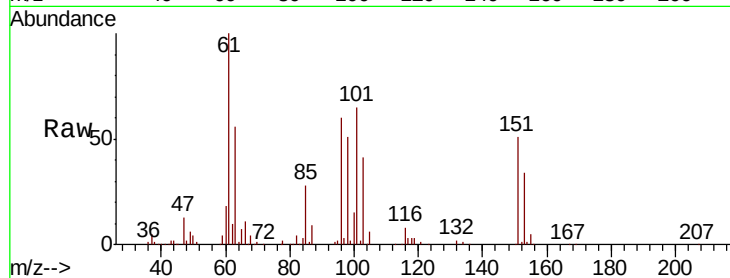
Tot Ion:101 Resp: 100545

Ion Ratio Lower Upper

101 100

85 44.6 35.5 53.3

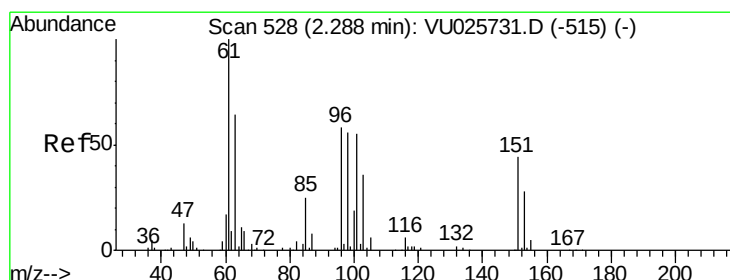
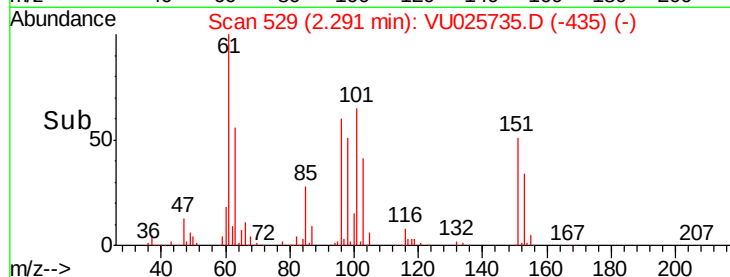
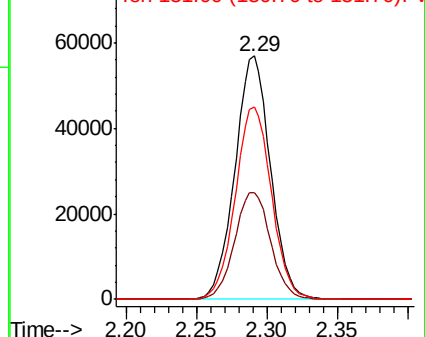
151 80.3 63.5 95.3



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: 47.096 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025735.D

Acq: 31 Jul 2018 11:27

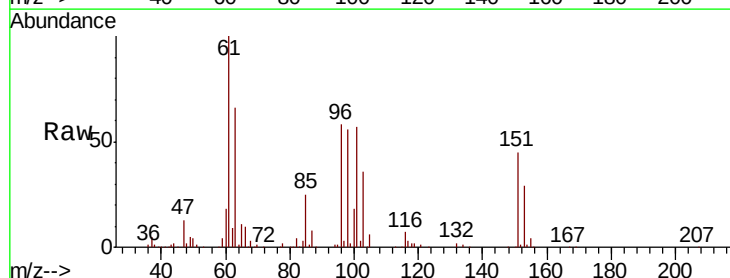
Tgt Ion: 96 Resp: 89624

Ion Ratio Lower Upper

96 100

61 172.2 122.5 227.5

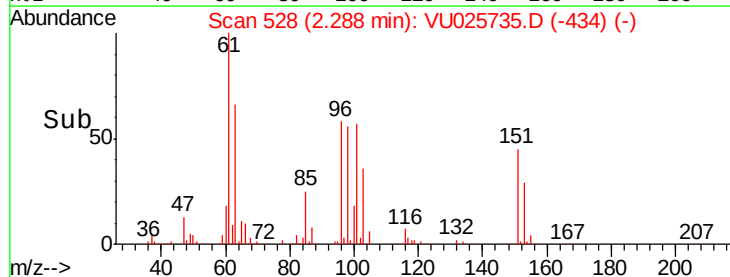
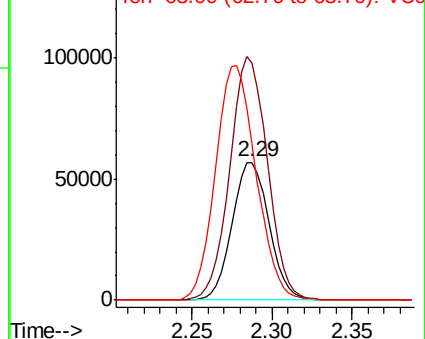
63 113.2 90.9 168.9

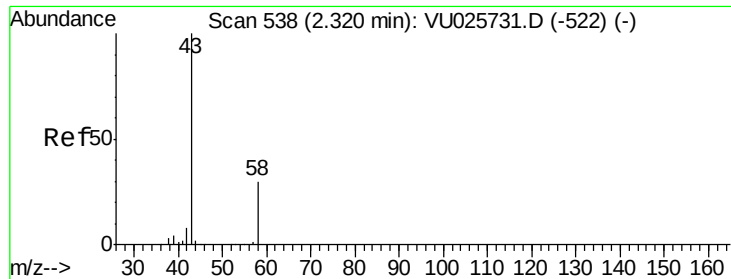


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 83.119 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025735.D

Acq: 31 Jul 2018 11:27

Instrument :

MSVOA_D

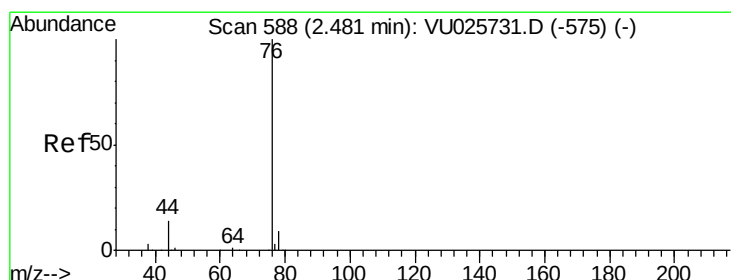
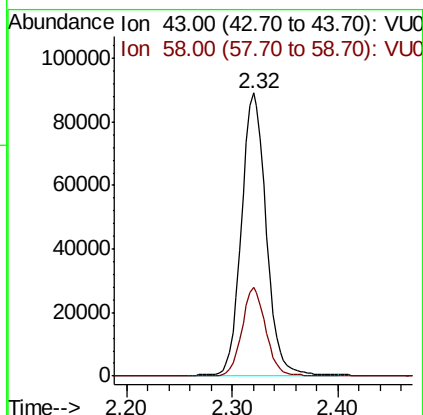
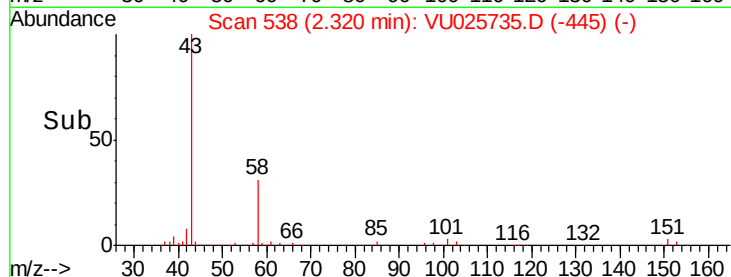
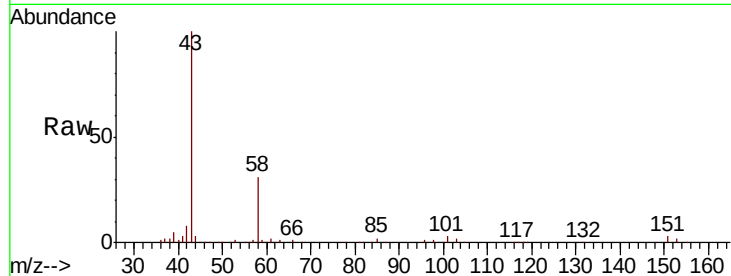
ClientSampleId :

Tot Ion: 43 Resp: 144992

Ion Ratio Lower Upper

43 100

58 30.1 0.0 61.2



#14

Carbon disulfide

Concen: 44.321 ug/L

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU025735.D

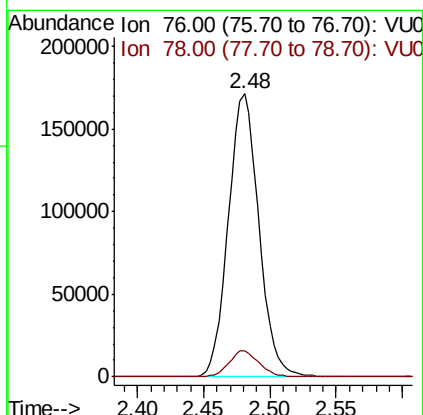
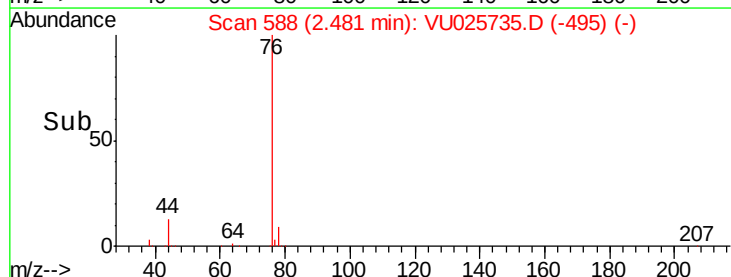
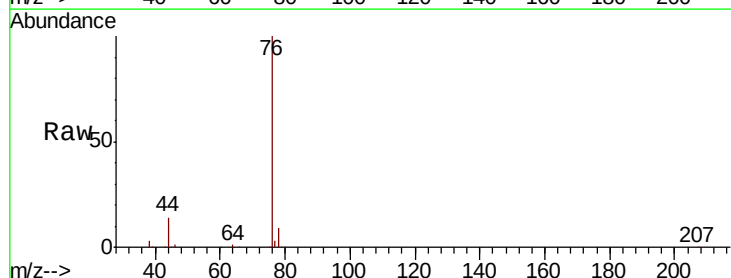
Acq: 31 Jul 2018 11:27

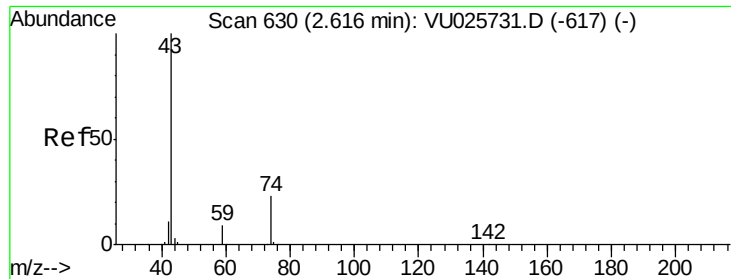
Tgt Ion: 76 Resp: 274640

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

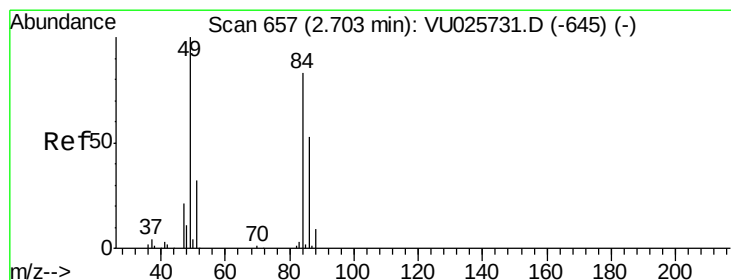
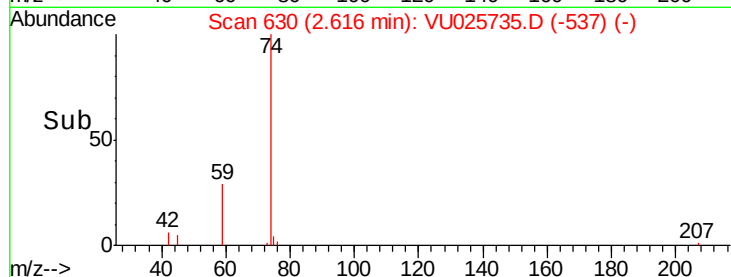
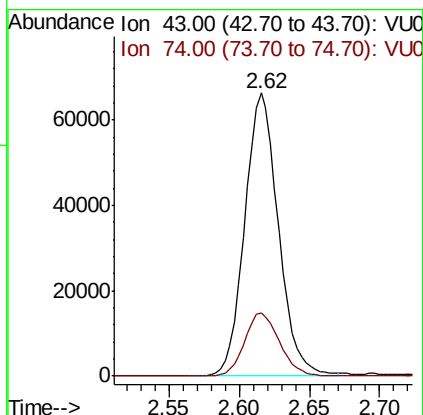
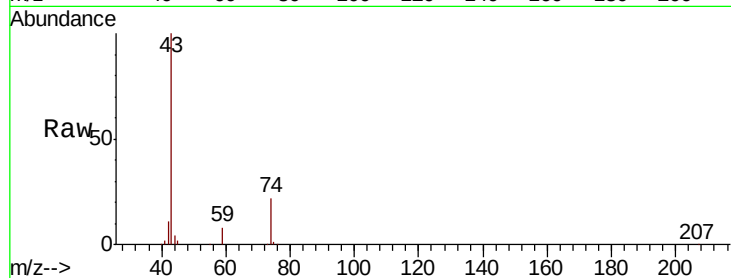




#15
Methvl Acetate
Concen: 45.798 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU025735.D
Acq: 31 Jul 2018 11:27

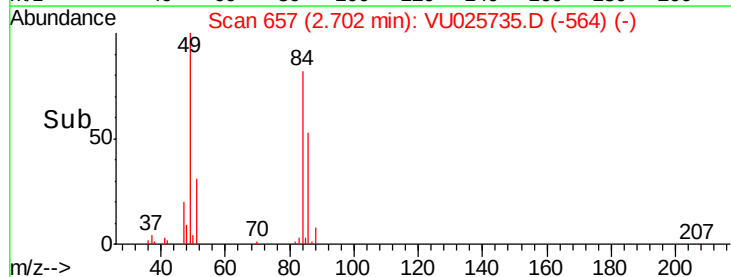
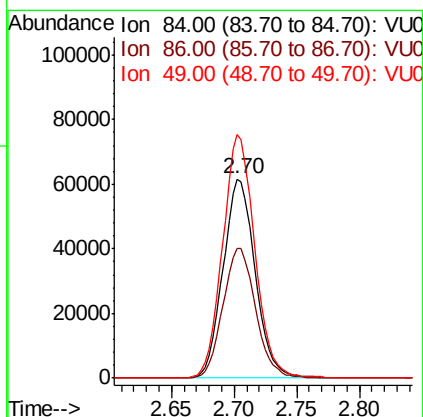
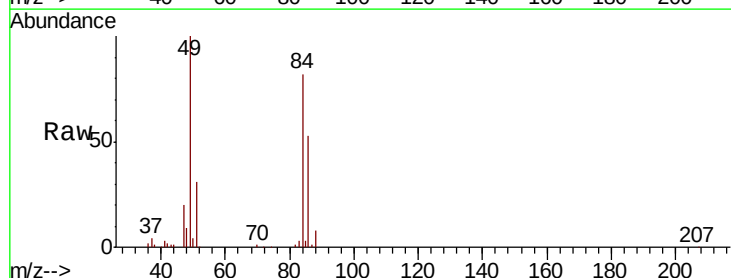
Instrument :
MSVOA_D
ClientSampleId :

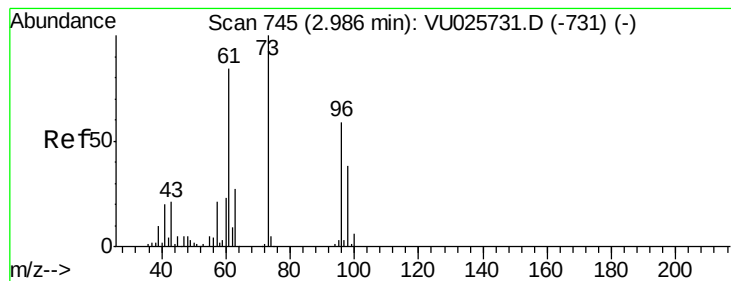
Tot Ion: 43 Resp: 110437
Ion Ratio Lower Upper
43 100
74 23.4 18.3 27.5



#16
Methylene chloride
Concen: 46.210 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025735.D
Acq: 31 Jul 2018 11:27

Tgt Ion: 84 Resp: 109544
Ion Ratio Lower Upper
84 100
86 65.1 45.6 84.6
49 122.2 87.0 161.6





#17

trans-1,2-Dichloroethene

Concen: 47.705 ug/L

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025735.D

Acq: 31 Jul 2018 11:27

Instrument :

MSVOA_D

ClientSampled :

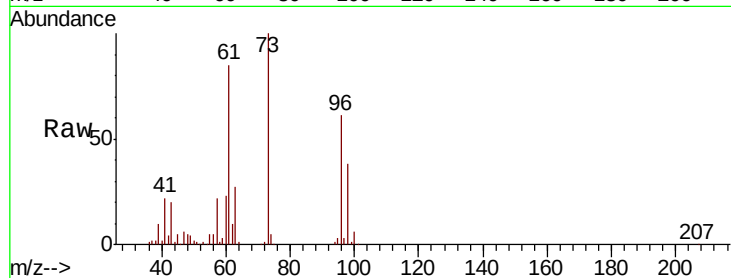
Tot Ion: 96 Resp: 104523

Ion Ratio Lower Upper

96 100

61 140.2 100.0 185.8

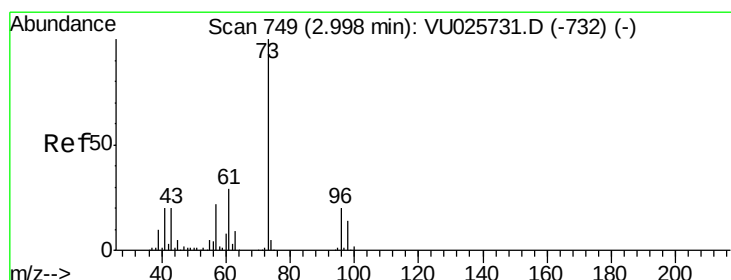
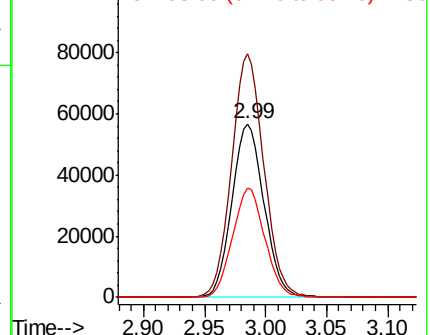
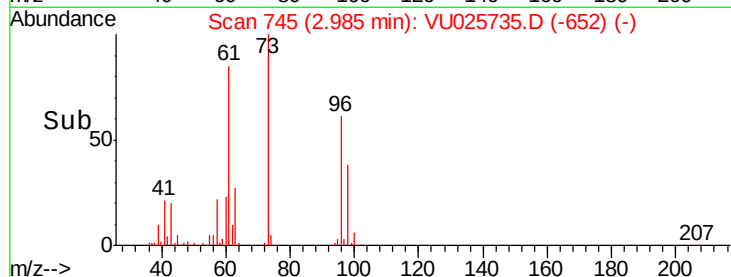
98 63.2 44.7 83.1



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: 48.080 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU025735.D

Acq: 31 Jul 2018 11:27

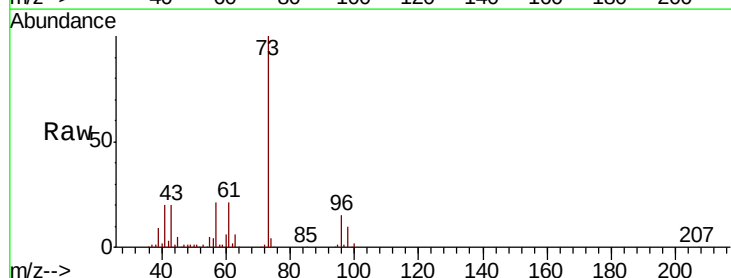
Tgt Ion: 73 Resp: 343086

Ion Ratio Lower Upper

73 100

43 20.2 16.2 24.2

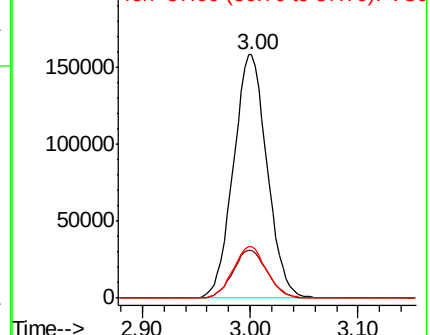
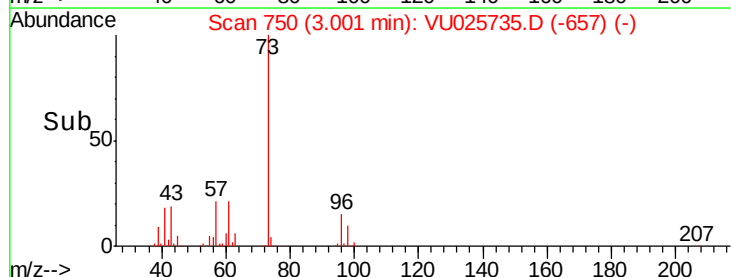
57 21.1 17.1 25.7

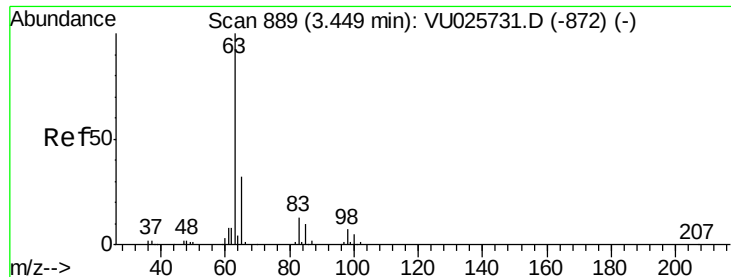


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

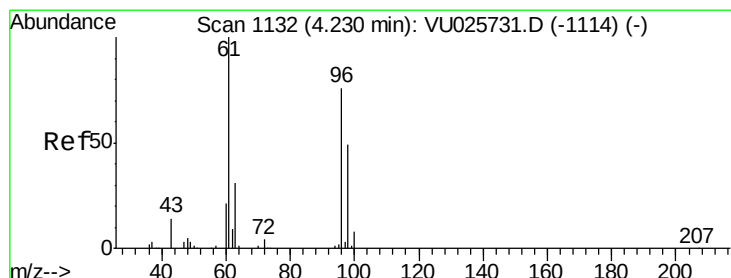
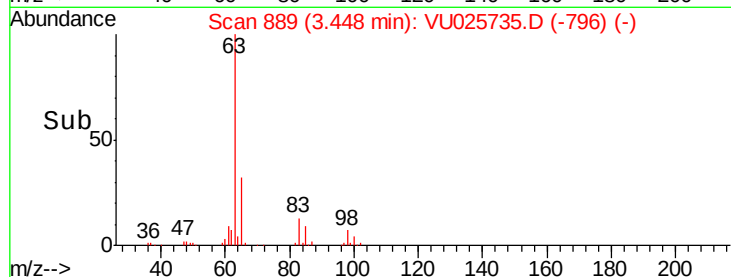
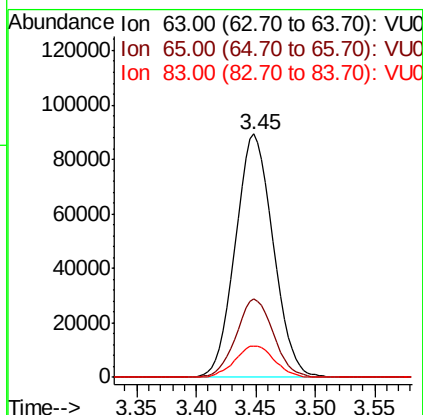
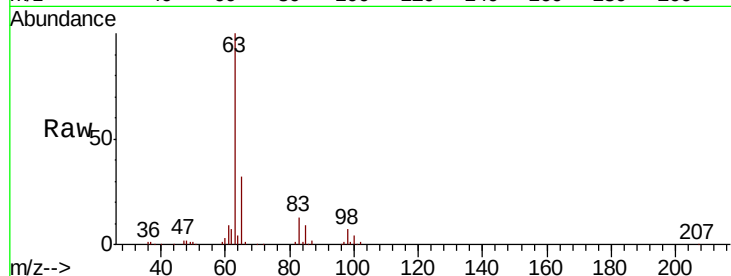




#19
 1,1-Dichloroethane
 Concen: 47.233 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU025735.D
 Acq: 31 Jul 2018 11:27

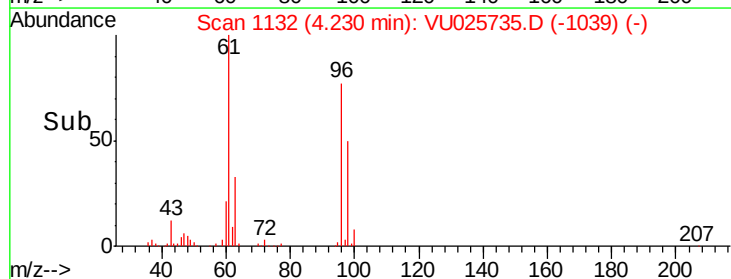
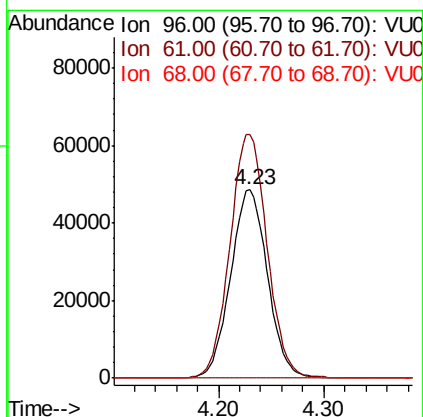
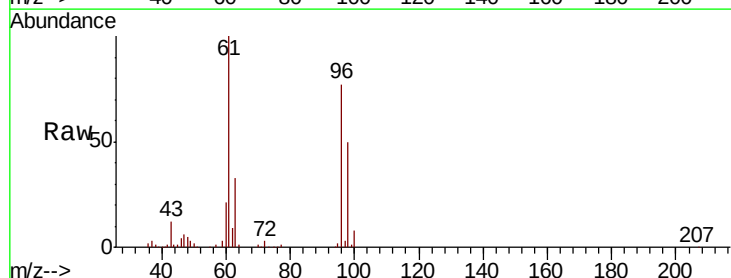
Instrument :
 MSVOA_D
 ClientSampleId :

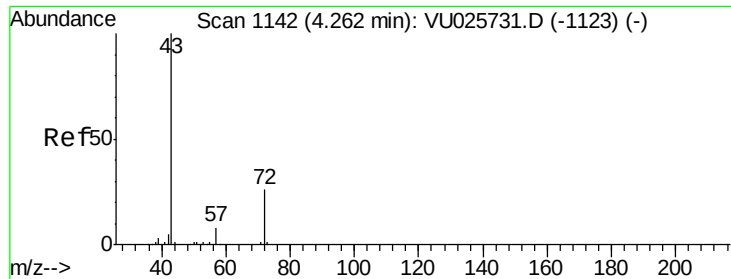
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	22.0	41.0
83	12.9	9.6	17.8



#20
 cis-1,2-Dichloroethene
 Concen: 47.719 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU025735.D
 Acq: 31 Jul 2018 11:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.4	87.4	162.2
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 88.375 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025735.D

Acq: 31 Jul 2018 11:27

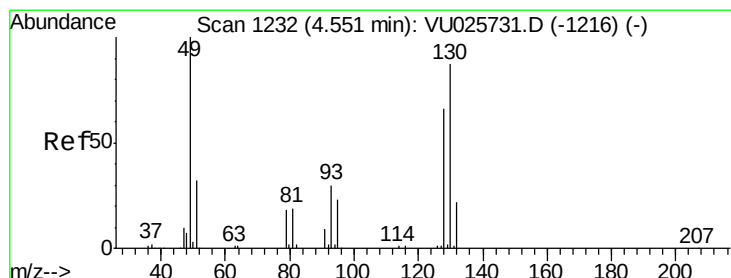
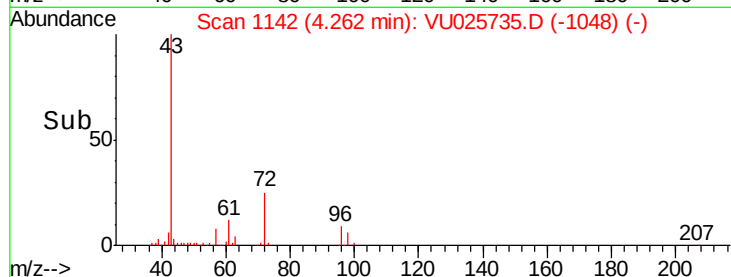
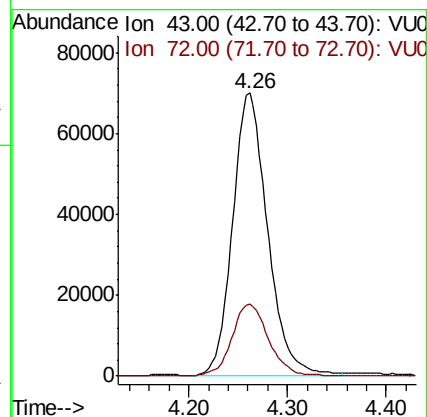
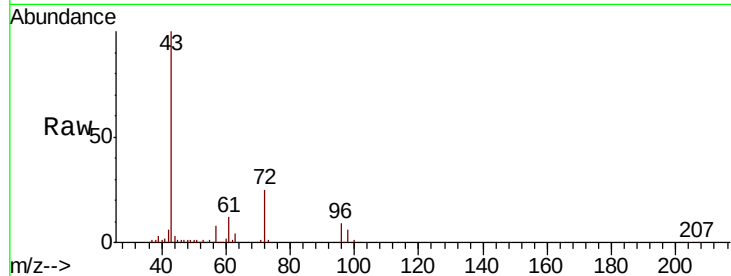
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 171621

Ion Ratio Lower Upper

43 100

72 27.1 13.6 40.8



#23

Bromochloromethane

Concen: 47.686 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU025735.D

Acq: 31 Jul 2018 11:27

Tgt Ion:128 Resp: 62249

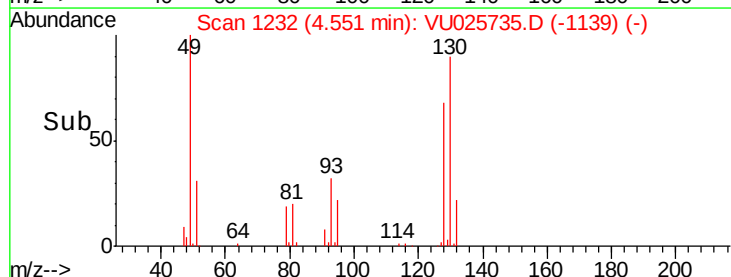
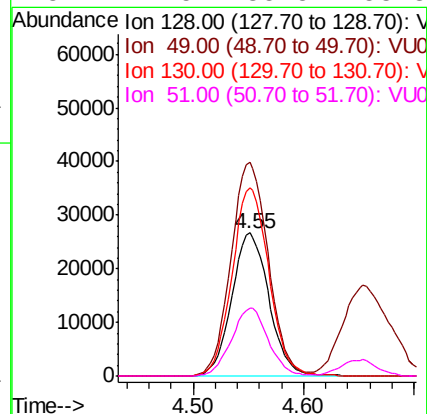
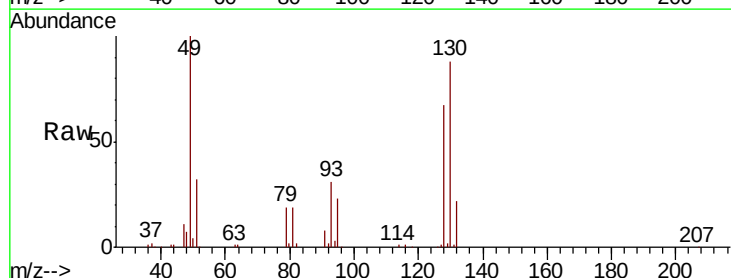
Ion Ratio Lower Upper

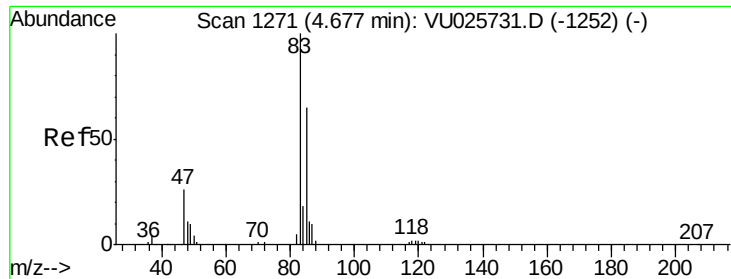
128 100

49 149.4 103.3 191.8

130 132.0 90.4 167.8

51 47.5 35.5 53.3

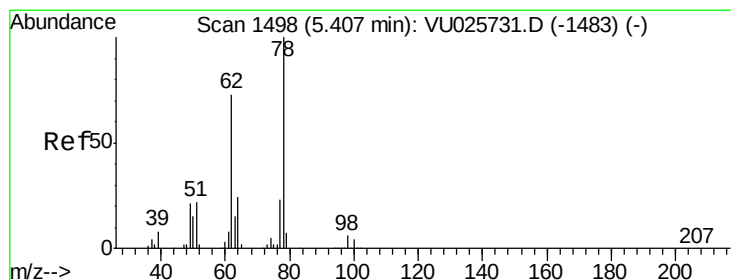
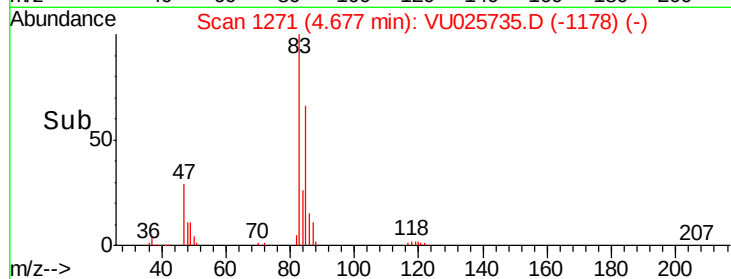
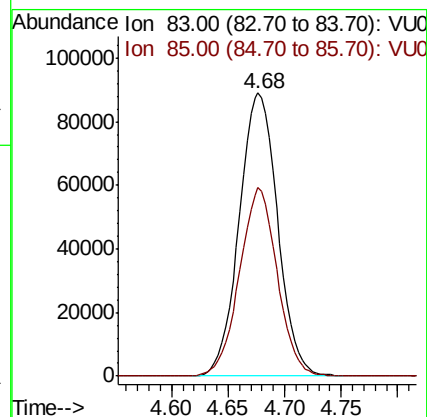
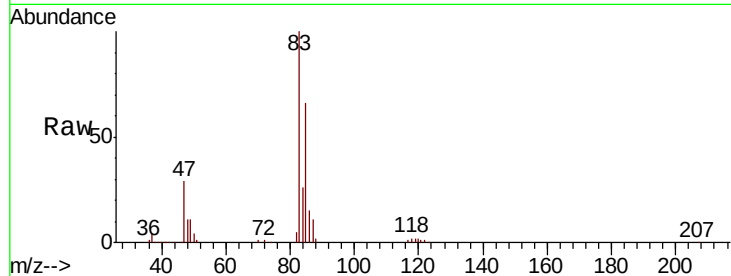




#25
Chloroform
Concen: 47.974 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025735.D
Acq: 31 Jul 2018 11:27

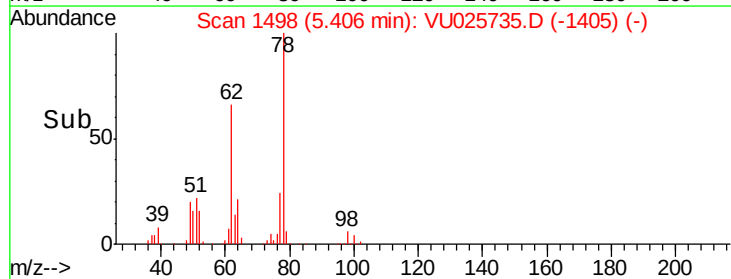
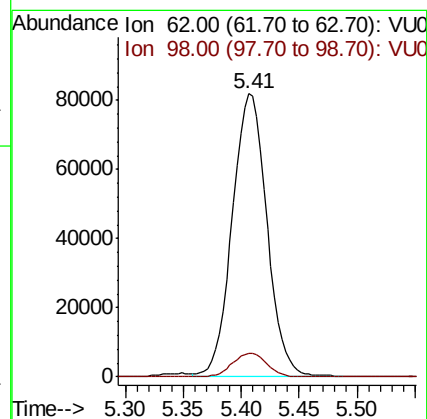
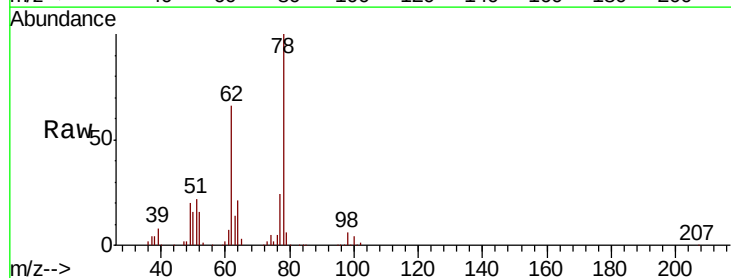
Instrument :
MSVOA_D
ClientSampleId :

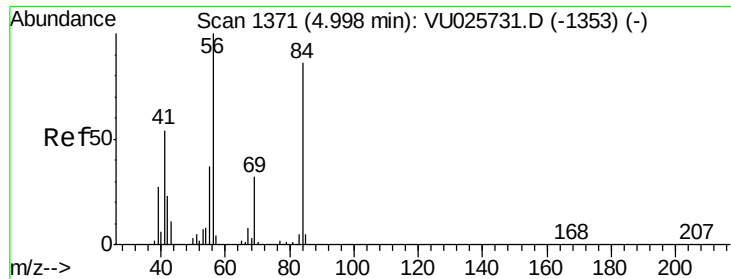
Tot Ion: 83 Resp: 210401
Ion Ratio Lower Upper
83 100
85 66.5 45.0 83.6



#27
1,2-Dichloroethane
Concen: 47.373 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025735.D
Acq: 31 Jul 2018 11:27

Tgt Ion: 62 Resp: 169464
Ion Ratio Lower Upper
62 100
98 8.3 6.5 9.7

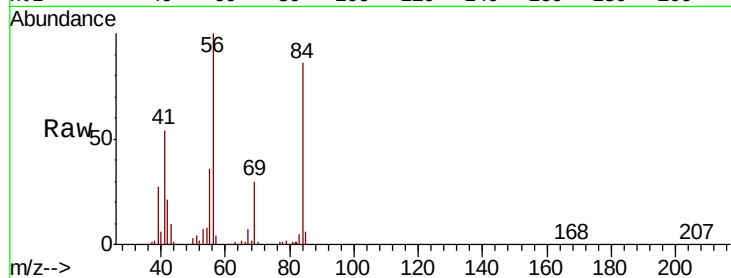




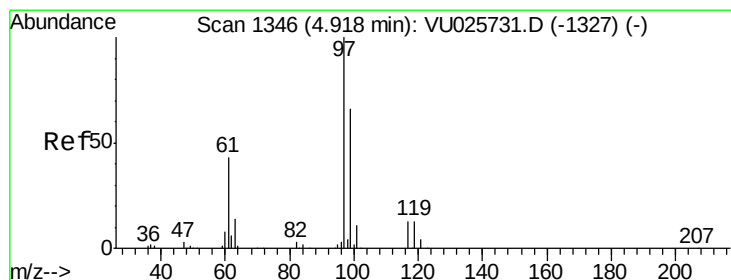
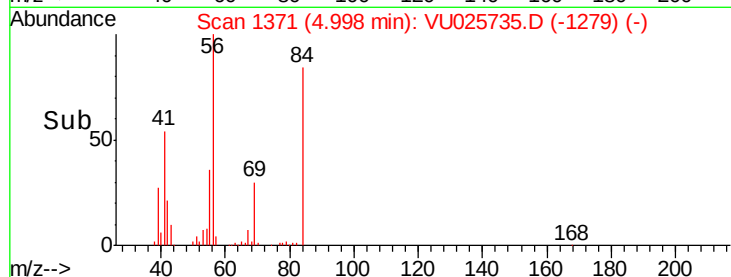
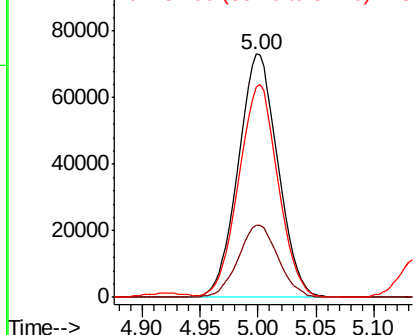
#29
Cyclohexane
Concen: 47.251 ug/L
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025735.D
Acq: 31 Jul 2018 11:27

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 174218
Ion Ratio Lower Upper
56 100
69 29.8 24.8 37.2
84 86.5 70.6 106.0

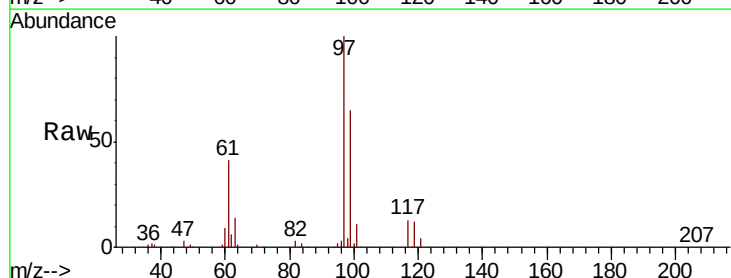


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

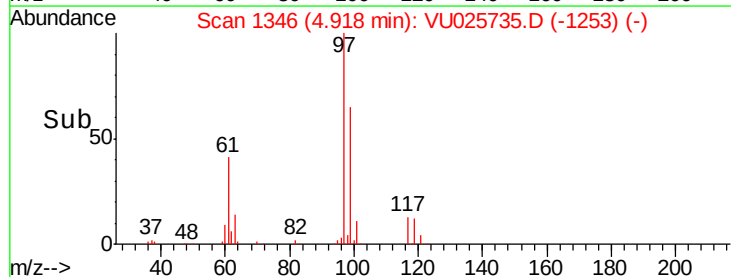
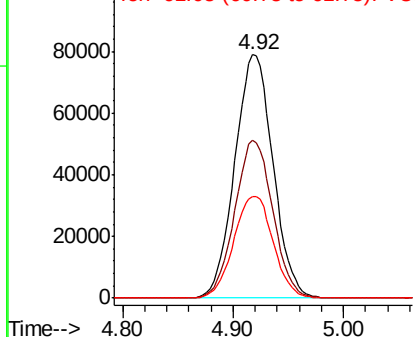


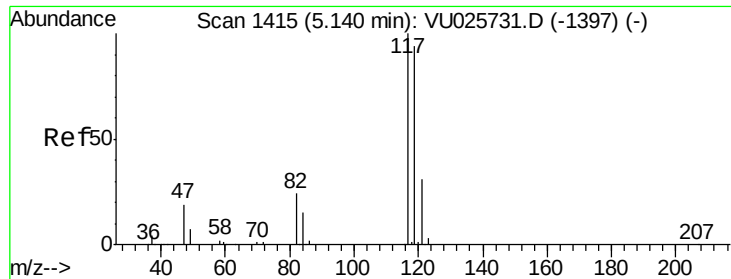
#30
1,1,1-Trichloroethane
Concen: 47.683 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025735.D
Acq: 31 Jul 2018 11:27

Tgt Ion: 97 Resp: 189891
Ion Ratio Lower Upper
97 100
99 64.5 52.4 78.6
61 43.0 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

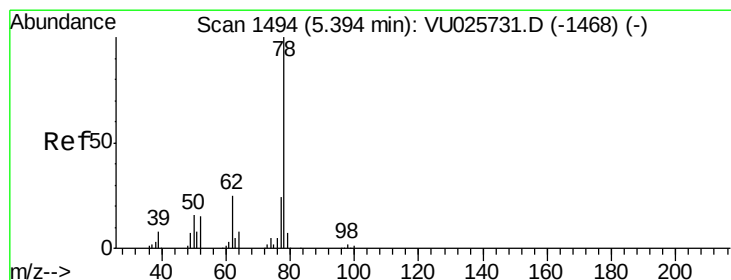
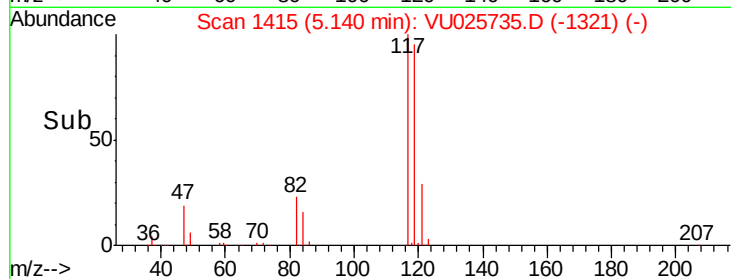
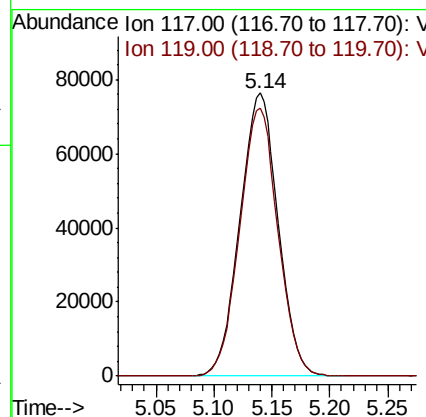
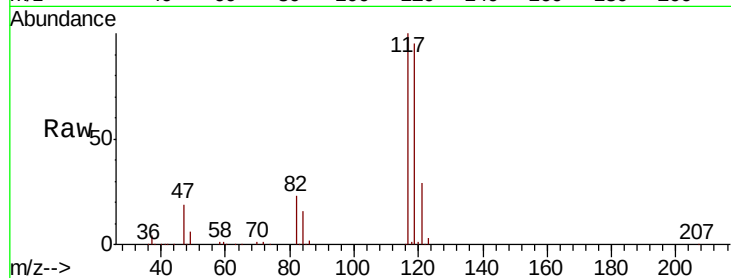




#31
Carbon tetrachloride
Concen: 47.441 ug/L
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025735.D
Acq: 31 Jul 2018 11:27

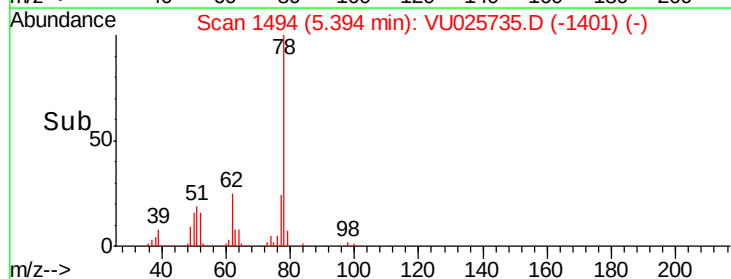
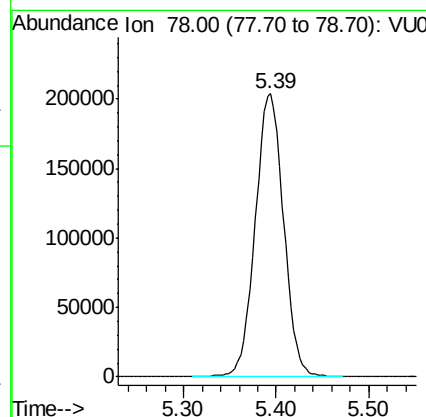
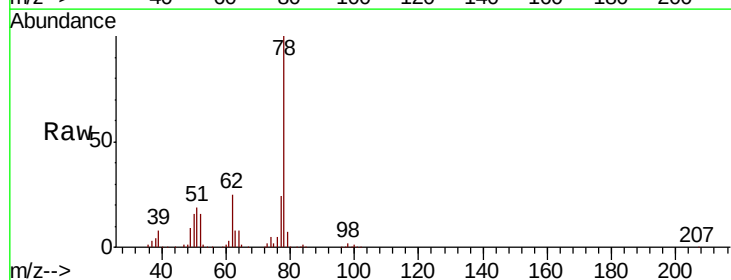
Instrument :
MSVOA_D
ClientSampleId :

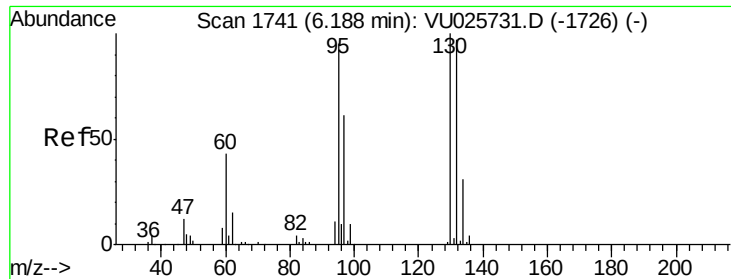
Tot Ion:117 Resp: 174697
Ion Ratio Lower Upper
117 100
119 95.0 76.6 114.8



#33
Benzene
Concen: 47.471 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025735.D
Acq: 31 Jul 2018 11:27

Tgt Ion: 78 Resp: 434087

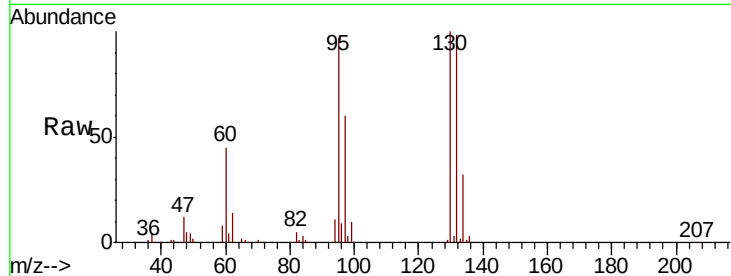




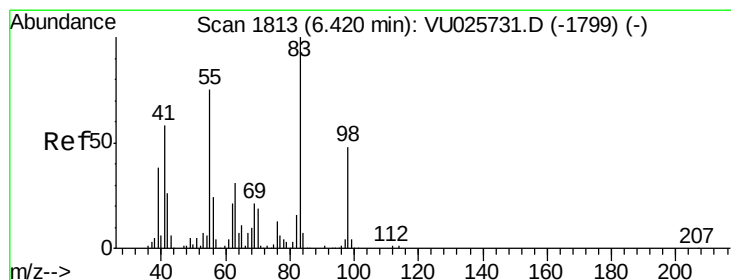
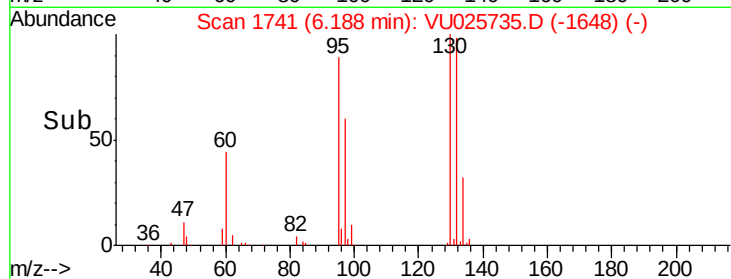
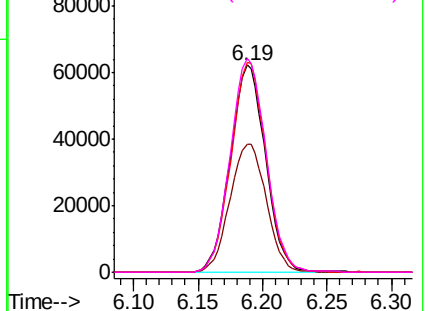
#34
 Trichloroethene
 Concen: 48.699 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU025735.D
 Acq: 31 Jul 2018 11:27

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	95	Resp:	118157
Ion	Ratio	Lower	Upper
95	100		
97	62.0	45.9	85.3
132	101.3	72.2	134.2
130	103.1	74.9	139.1

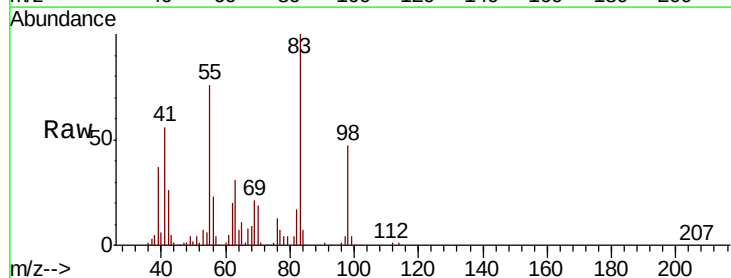


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

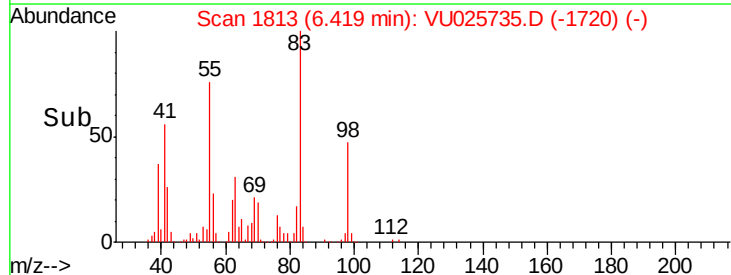
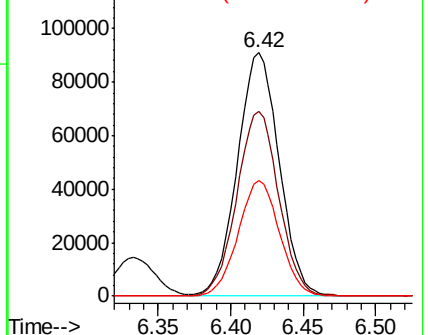


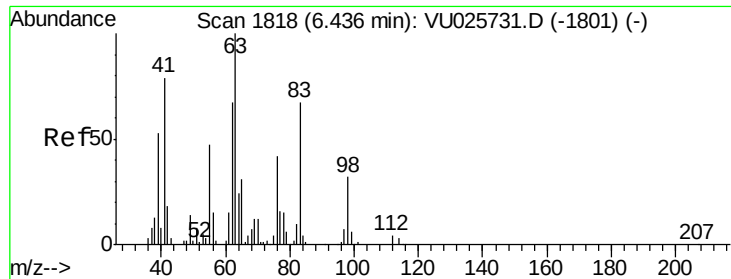
#35
 Methylcyclohexane
 Concen: 46.431 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU025735.D
 Acq: 31 Jul 2018 11:27

Tgt Ion:	83	Resp:	181643
Ion	Ratio	Lower	Upper
83	100		
55	76.5	61.1	91.7
98	47.1	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

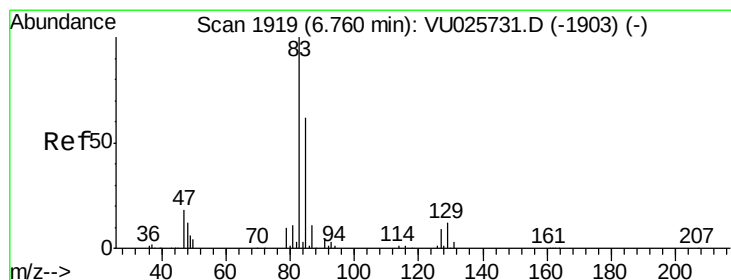
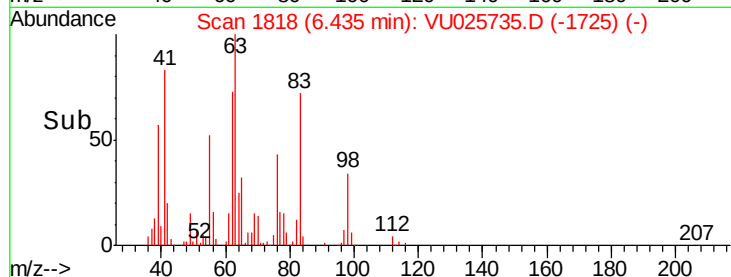
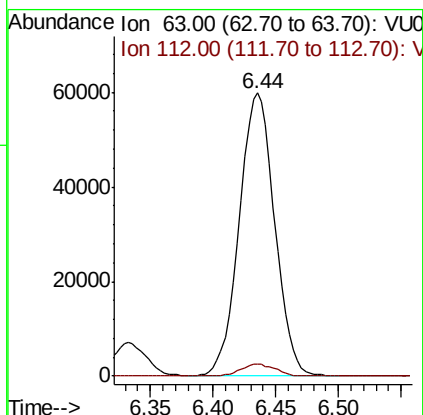
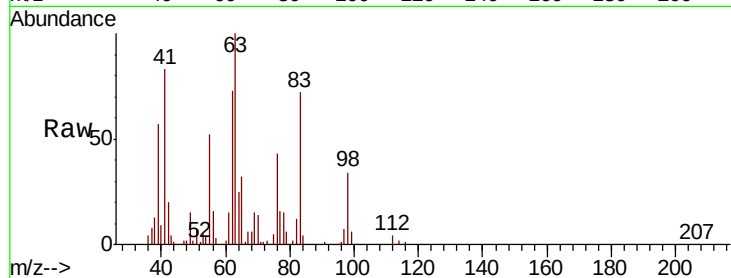




#37
 1,2-Dichloropropane
 Concen: 46.896 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025735.D
 Acq: 31 Jul 2018 11:27

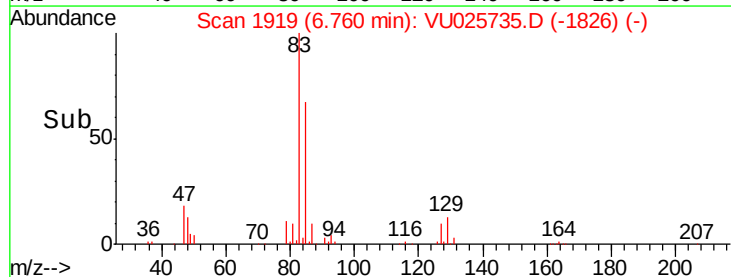
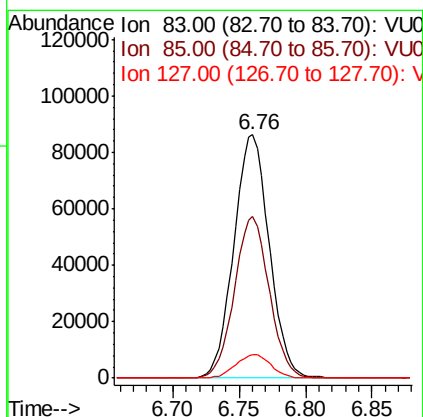
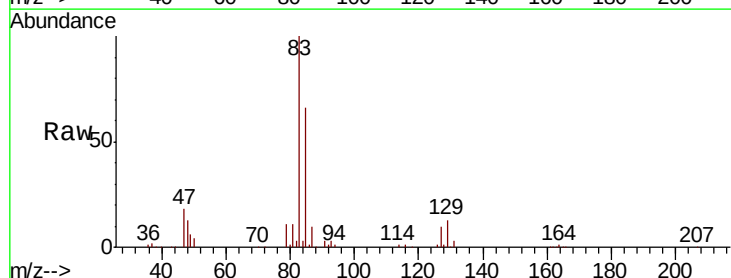
Instrument :
 MSVOA_D
 ClientSampleId :

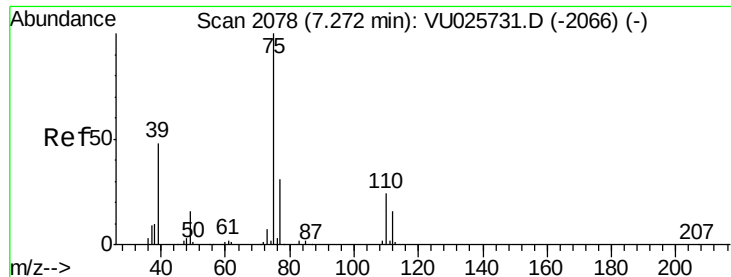
Tot Ion: 63 Resp: 117184
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.3 4.9



#38
 Bromodichloromethane
 Concen: 48.652 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU025735.D
 Acq: 31 Jul 2018 11:27

Tgt Ion: 83 Resp: 160291
 Ion Ratio Lower Upper
 83 100
 85 66.2 46.7 86.7
 127 9.8 8.0 12.0

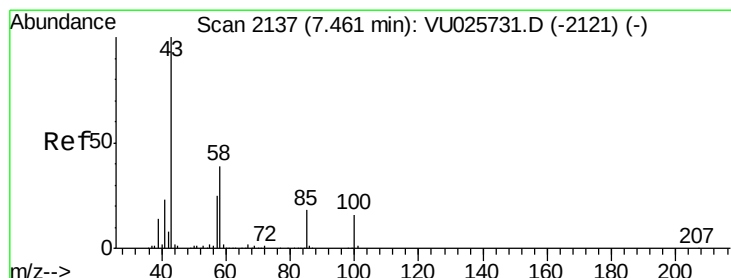
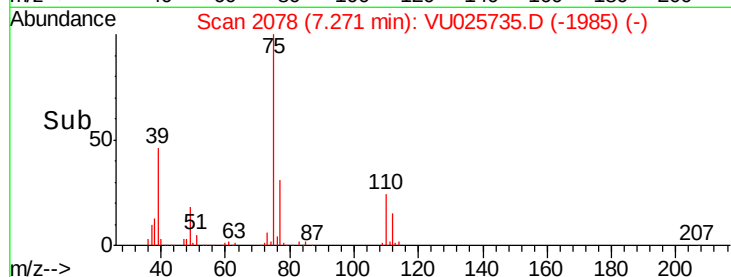
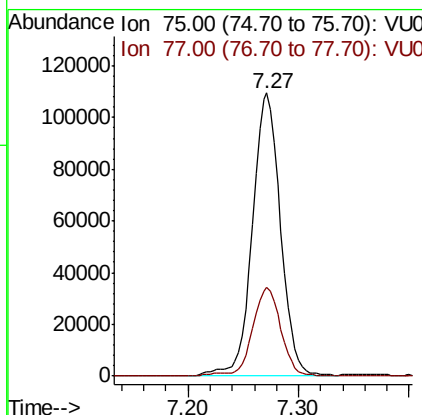
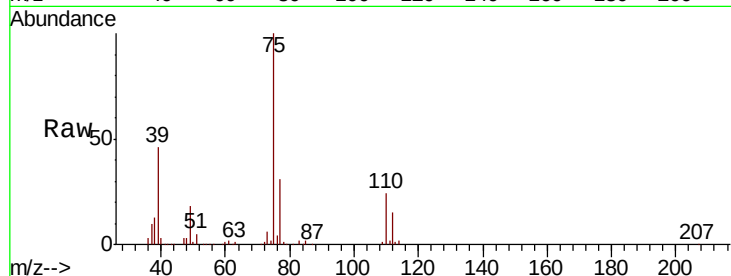




#39
 cis-1,3-Dichloropropene
 Concen: 49.924 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU025735.D
 Acq: 31 Jul 2018 11:27

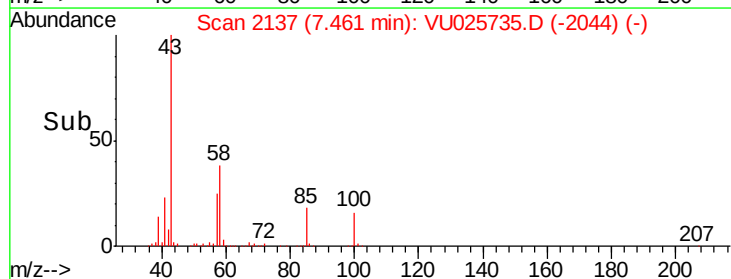
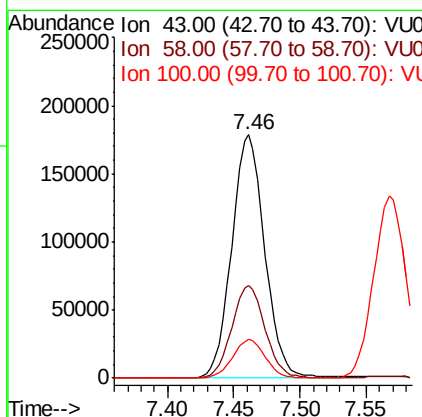
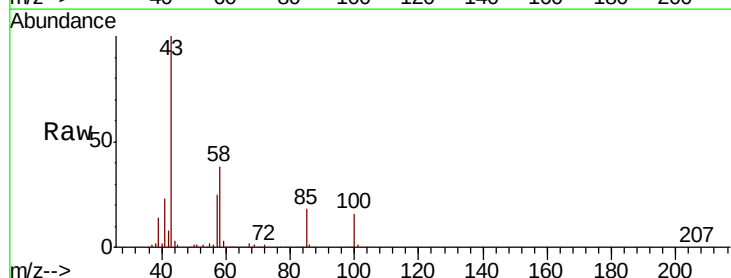
Instrument :
 MSVOA_D
 ClientSampled :

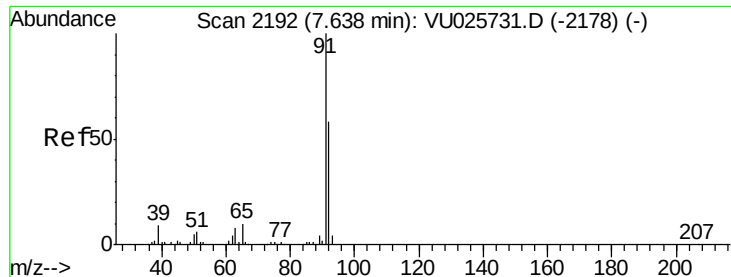
Tot Ion: 75 Resp: 193601
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 94.131 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU025735.D
 Acq: 31 Jul 2018 11:27

Tgt Ion: 43 Resp: 308889
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.8 46.2
 100 15.6 12.1 18.1





#42

Toluene

Concen: 48.467 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025735.D

Acq: 31 Jul 2018 11:27

Instrument :

MSVOA_D

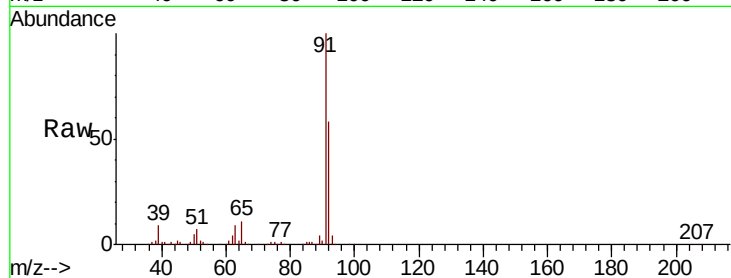
ClientSampleId :

Tot Ion: 91 Resp: 477949

Ion Ratio Lower Upper

91 100

92 58.4 40.0 74.2



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.64

300000

250000

200000

150000

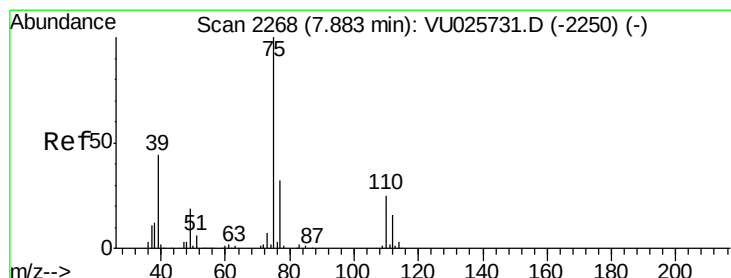
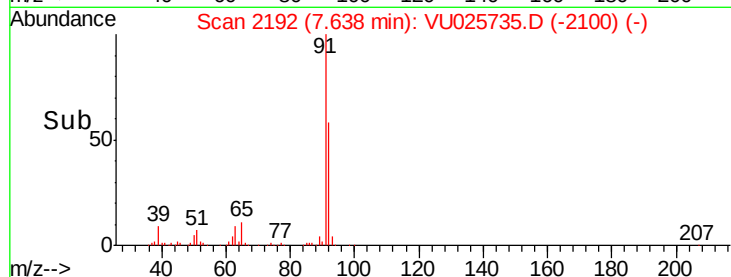
100000

50000

0

7.60 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.404 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025735.D

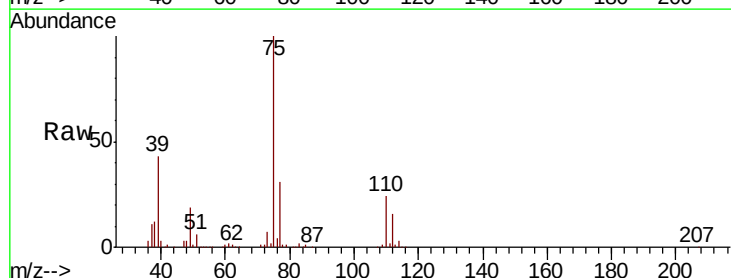
Acq: 31 Jul 2018 11:27

Tgt Ion: 75 Resp: 184294

Ion Ratio Lower Upper

75 100

77 31.3 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.88

120000

100000

80000

60000

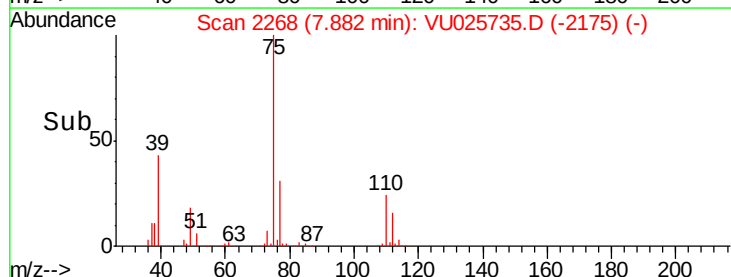
40000

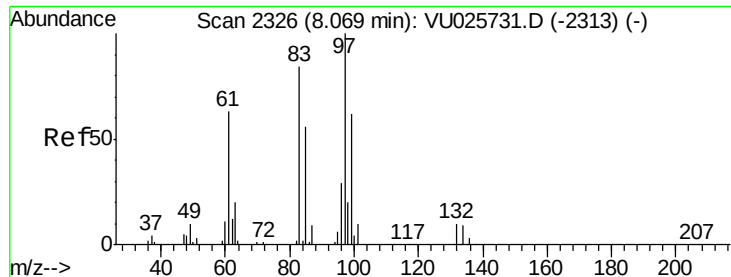
20000

0

7.80 7.85 7.90 7.95

Time-->

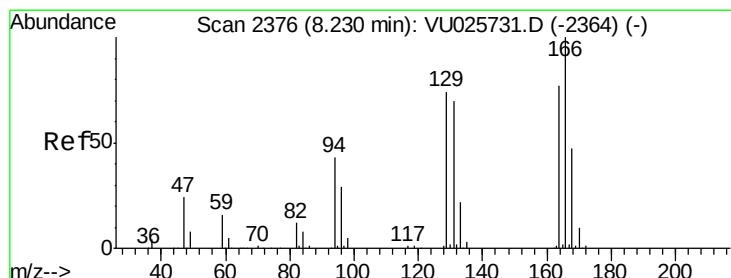
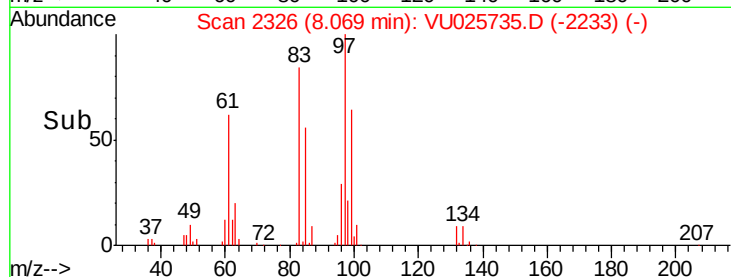
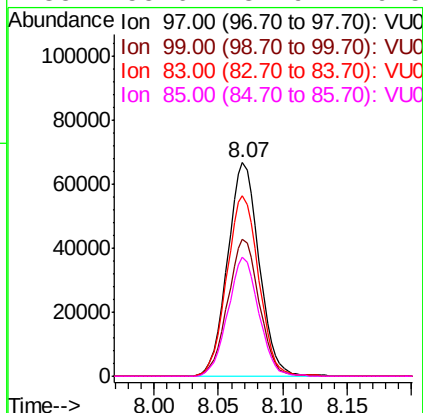
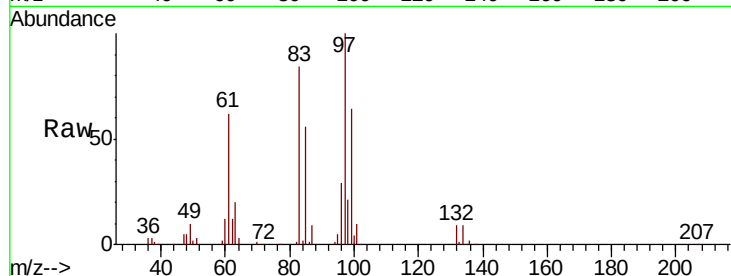




#45
 1,1,2-Trichloroethane
 Concen: 47.382 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU025735.D
 Acq: 31 Jul 2018 11:27

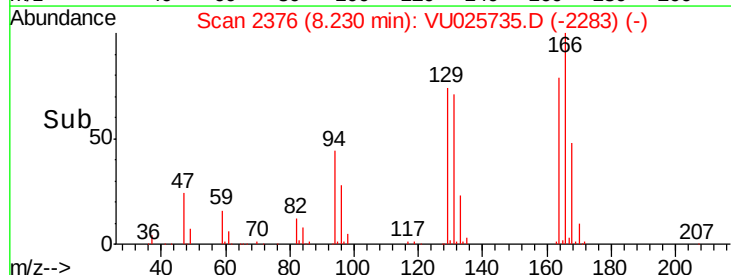
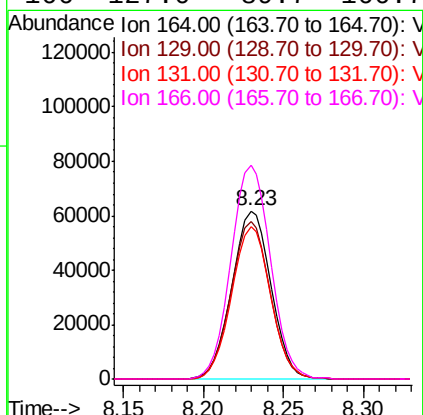
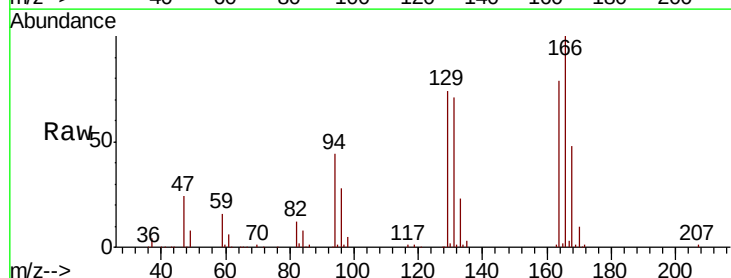
Instrument :
 MSVOA_D
 ClientSampled :

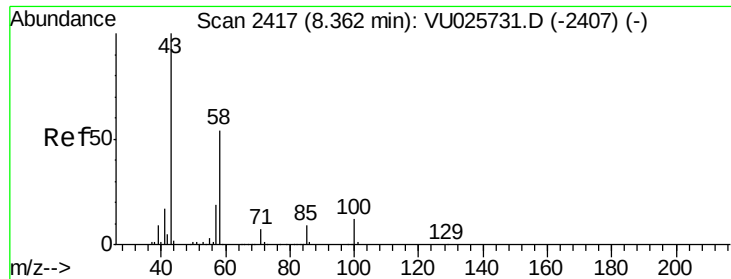
Tot Ion:	97	Resp:	113568
Ion	Ratio	Lower	Upper
97	100		
99	64.2	44.3	82.3
83	84.3	59.8	111.1
85	55.6	37.9	70.5



#46
 Tetrachloroethene
 Concen: 48.958 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU025735.D
 Acq: 31 Jul 2018 11:27

Tgt Ion:	164	Resp:	102978
Ion	Ratio	Lower	Upper
164	100		
129	93.7	65.1	120.9
131	90.6	62.8	116.6
166	127.0	89.7	166.7

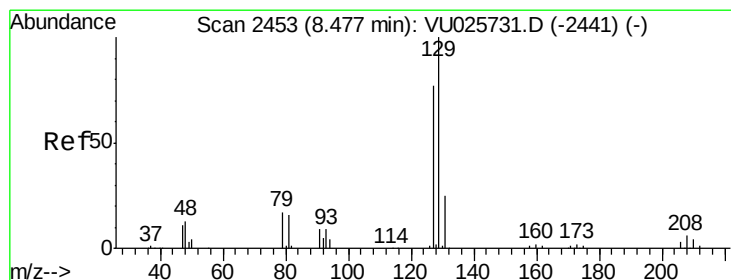
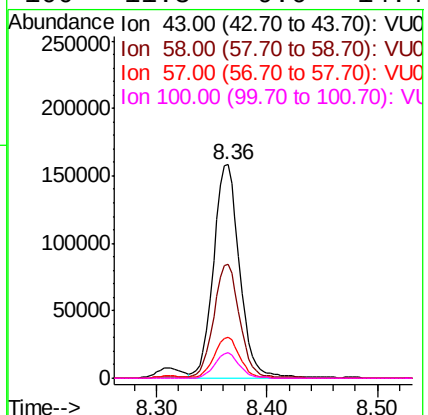
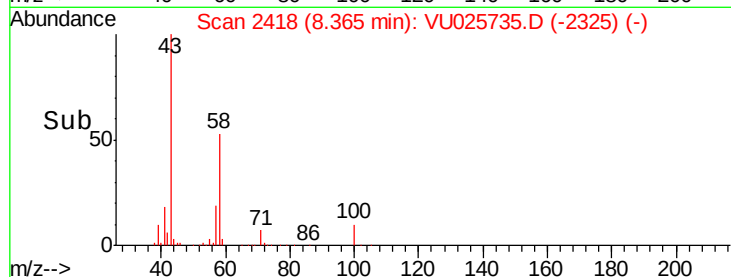
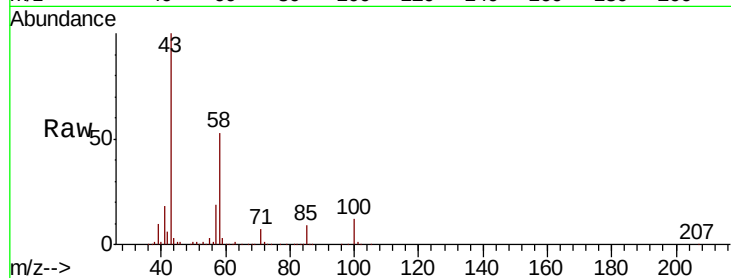




#48
2-Hexanone
Concen: 93.321 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU025735.D
Acq: 31 Jul 2018 11:27

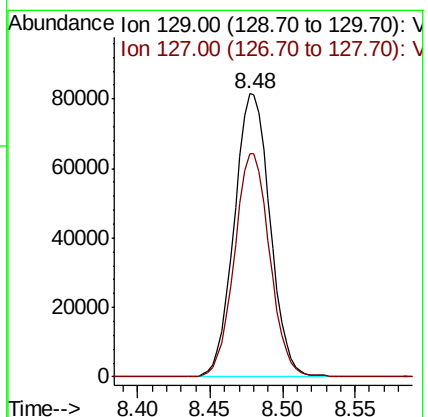
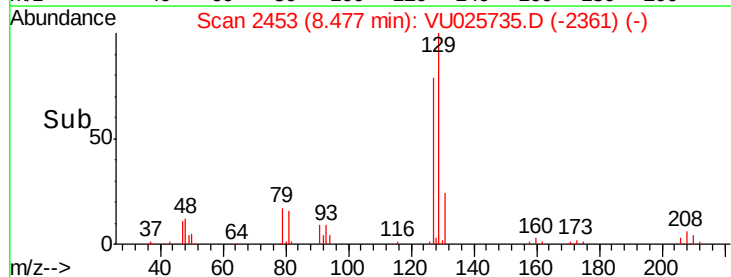
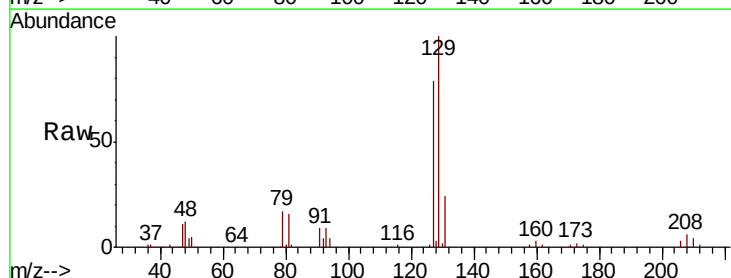
Instrument :
MSVOA_D
ClientSampled :

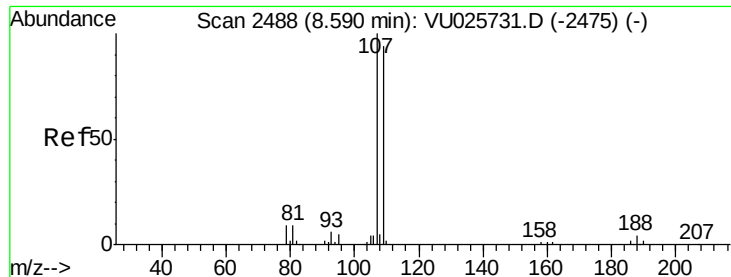
Tot Ion: 43 Resp: 258761
Ion Ratio Lower Upper
43 100
58 52.8 42.9 64.3
57 18.8 15.4 23.2
100 11.3 9.6 14.4



#49
Dibromochloromethane
Concen: 49.771 ug/L
RT: 8.48 min Scan# 2453
Delta R.T. -0.00 min
Lab File: VU025735.D
Acq: 31 Jul 2018 11:27

Tgt Ion: 129 Resp: 139938
Ion Ratio Lower Upper
129 100
127 78.9 53.8 100.0

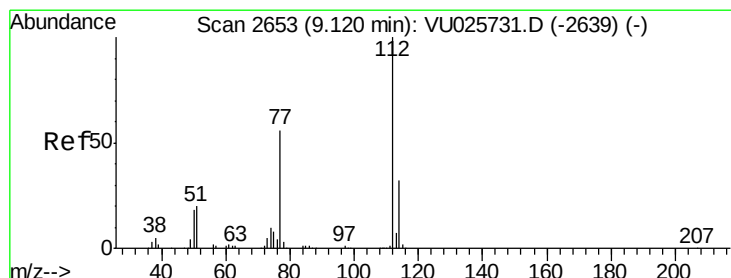
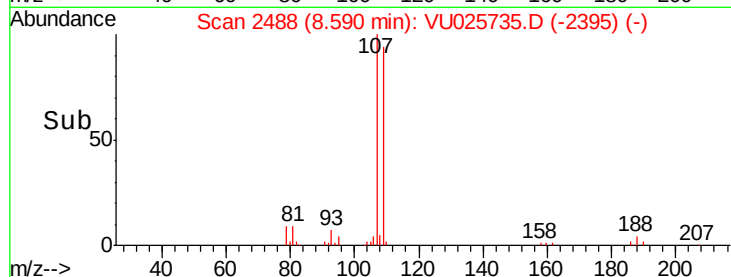
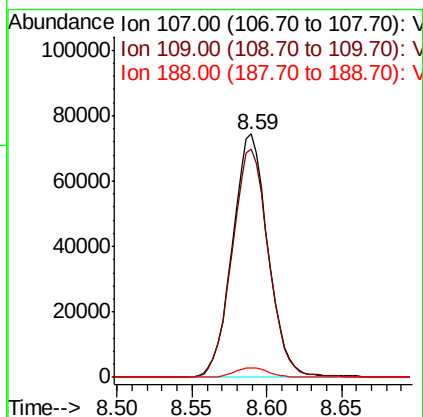
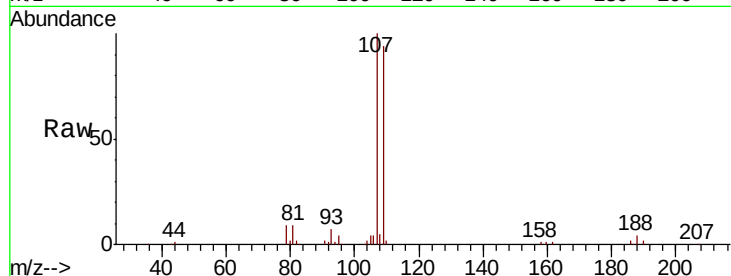




#50
 1,2-Dibromoethane
 Concen: 47.772 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU025735.D
 Acq: 31 Jul 2018 11:27

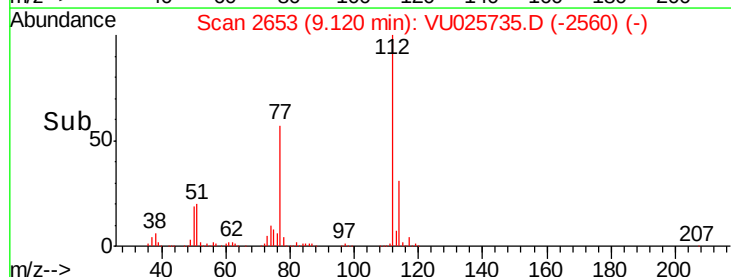
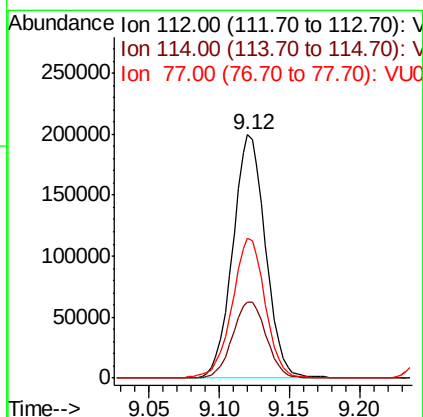
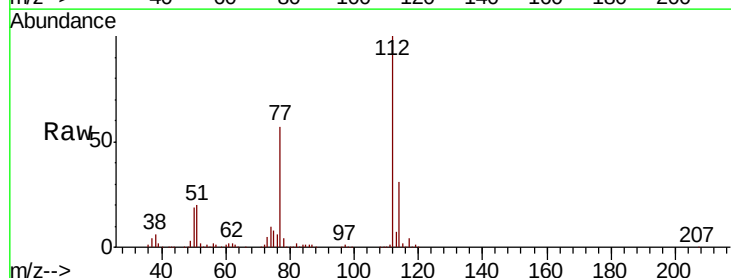
Instrument :
 MSVOA_D
 ClientSampleId :

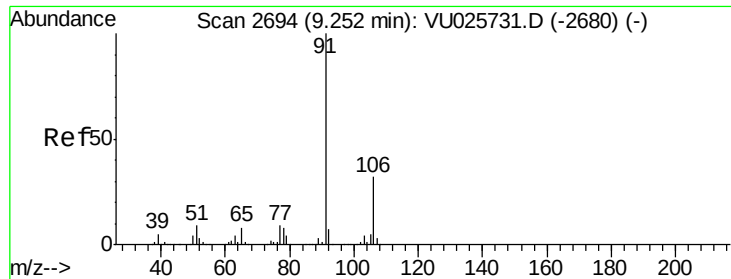
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	66.6	123.8
188	3.7	3.2	4.8



#51
 Chlorobenzene
 Concen: 48.749 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VU025735.D
 Acq: 31 Jul 2018 11:27

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.5	41.9
77	57.4	45.8	68.8





#52

Ethylbenzene

Concen: 50.096 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU025735.D

Acq: 31 Jul 2018 11:27

Instrument :

MSVOA_D

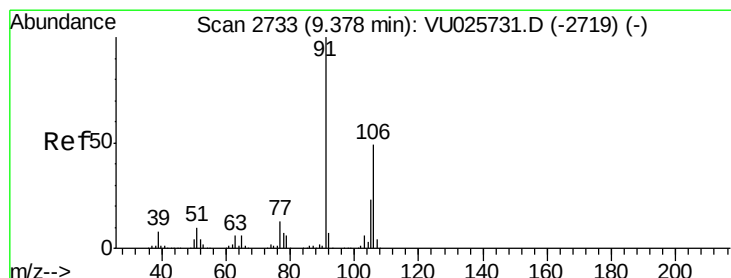
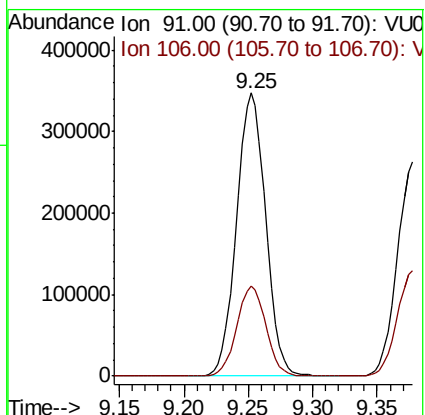
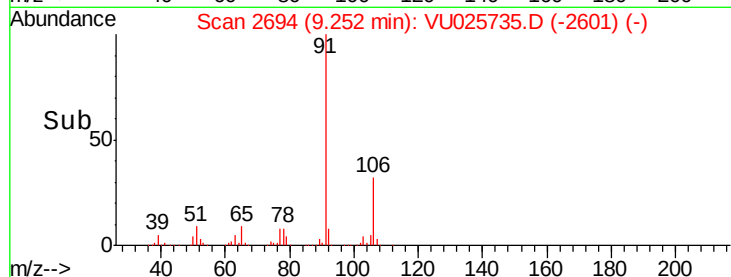
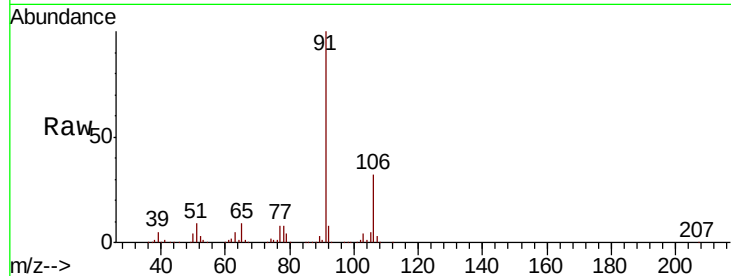
ClientSampleId :

Tot Ion: 91 Resp: 545245

Ion Ratio Lower Upper

91 100

106 31.7 22.3 41.5



#53

m,p-Xylene

Concen: 51.186 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU025735.D

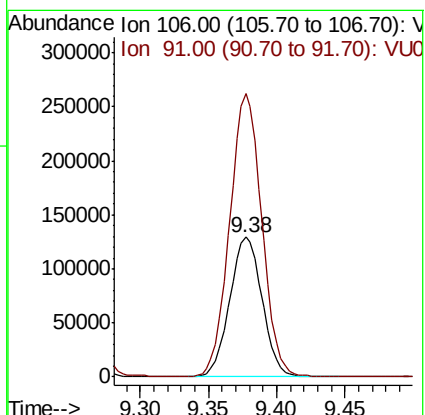
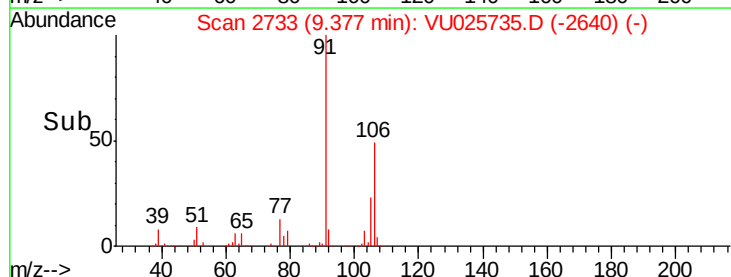
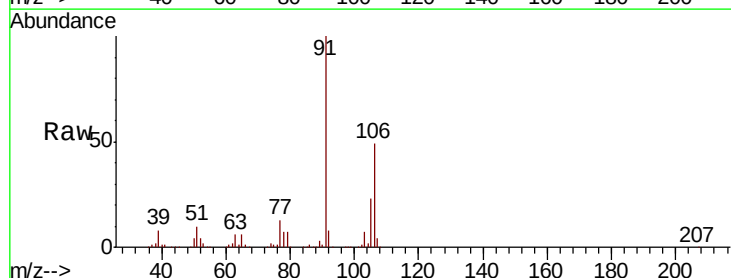
Acq: 31 Jul 2018 11:27

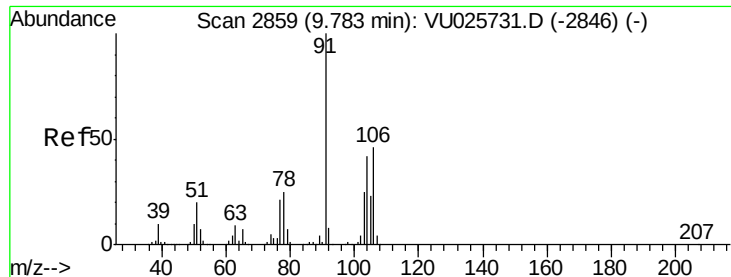
Tgt Ion: 106 Resp: 213396

Ion Ratio Lower Upper

106 100

91 202.3 141.7 263.3





#54

o-xylene

Concen: 49.078 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU025735.D

Acq: 31 Jul 2018 11:27

Instrument :

MSVOA_D

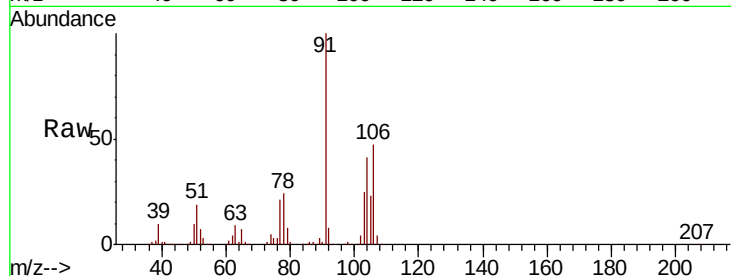
ClientSampleId :

Tot Ion:106 Resp: 207614

Ion Ratio Lower Upper

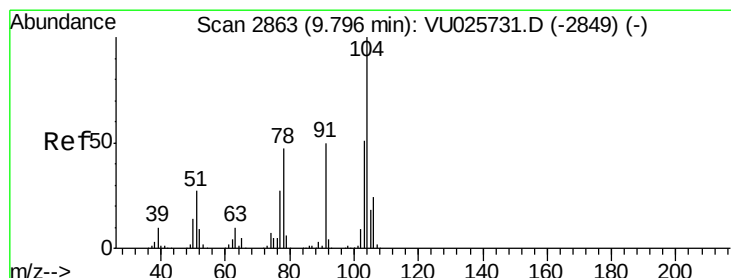
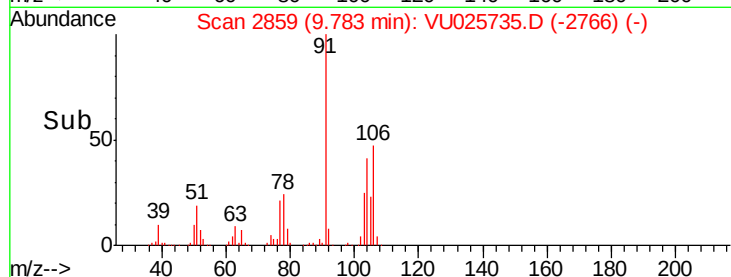
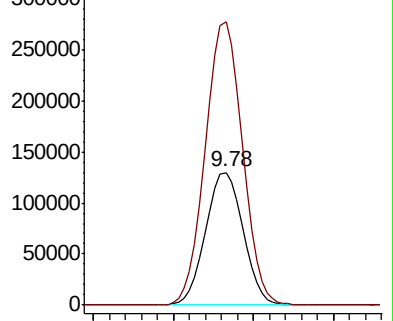
106 100

91 213.1 150.6 279.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.631 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU025735.D

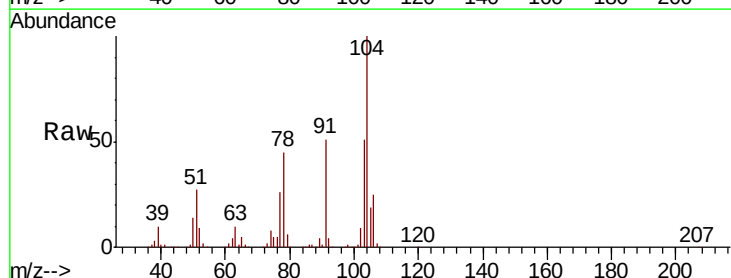
Acq: 31 Jul 2018 11:27

Tgt Ion:104 Resp: 355732

Ion Ratio Lower Upper

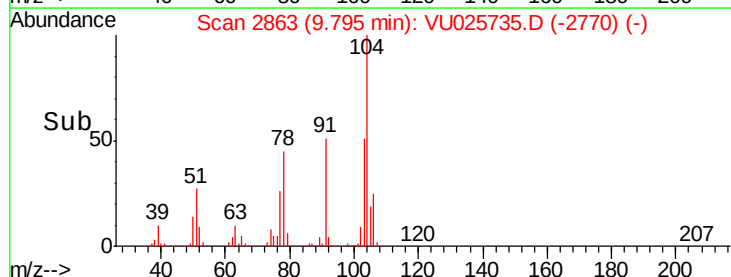
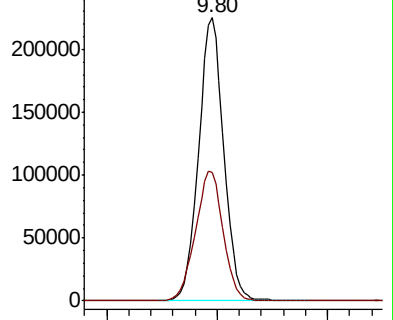
104 100

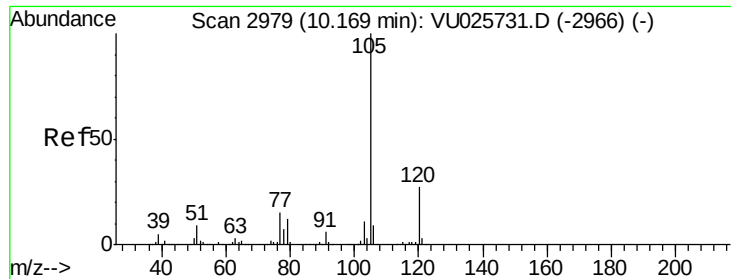
78 45.4 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 50.611 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025735.D

Acq: 31 Jul 2018 11:27

Instrument :

MSVOA_D

ClientSampleId :

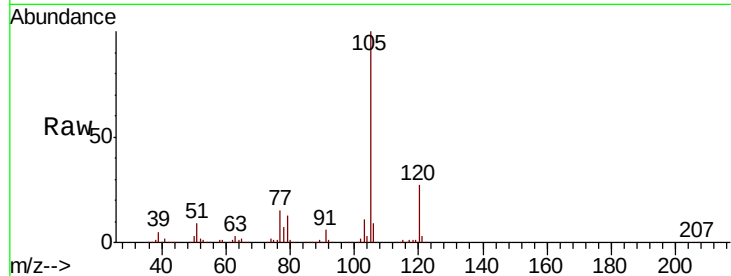
Tot Ion:105 Resp: 552527

Ion Ratio Lower Upper

105 100

120 27.1 21.7 32.5

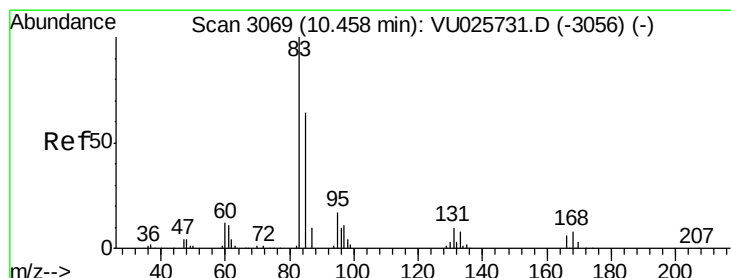
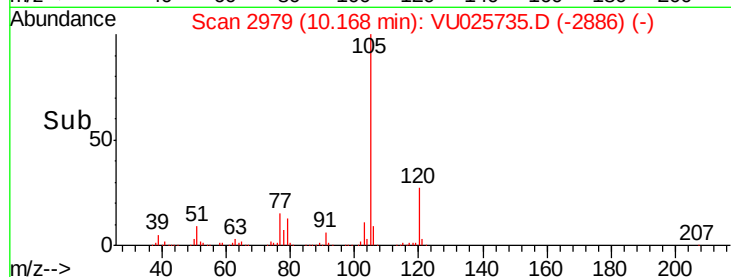
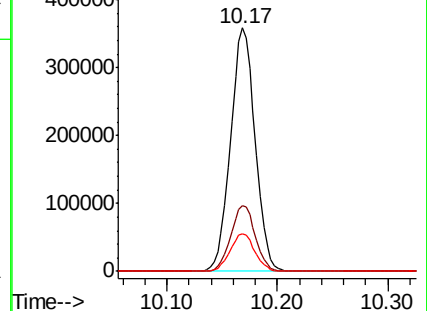
77 15.6 12.4 18.6



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: 47.854 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025735.D

Acq: 31 Jul 2018 11:27

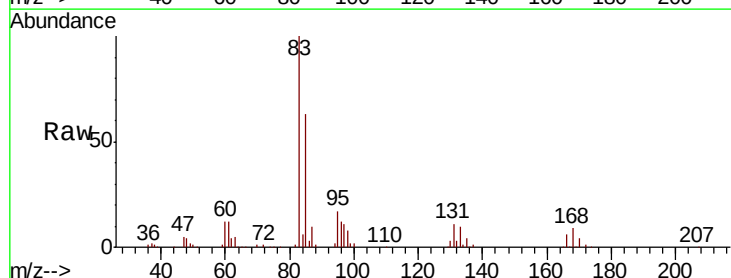
Tgt Ion: 83 Resp: 185011

Ion Ratio Lower Upper

83 100

85 63.2 45.1 83.7

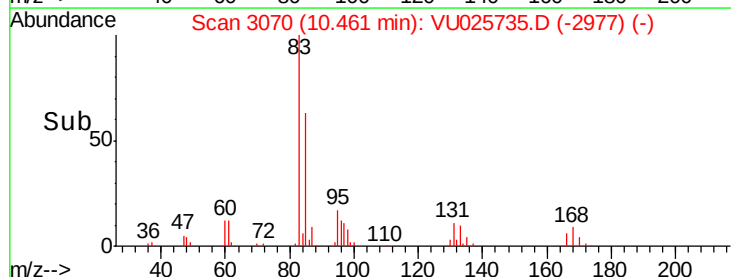
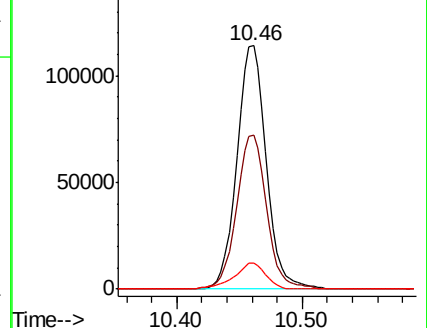
131 10.9 8.7 13.1

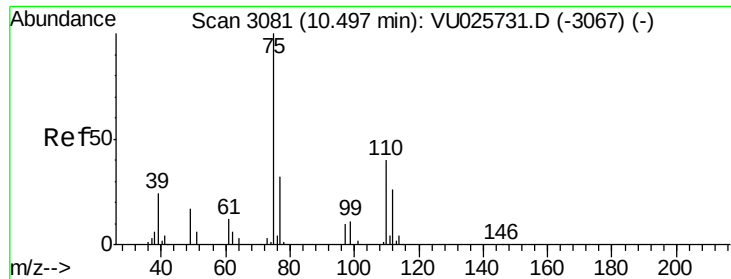


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

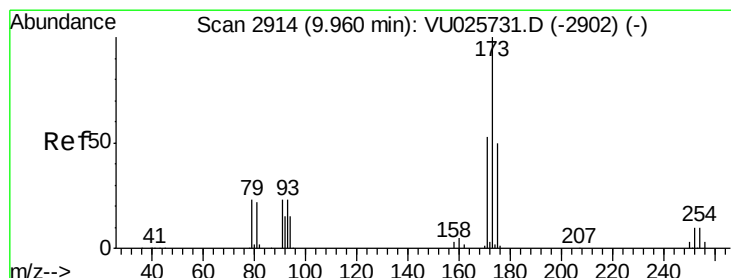
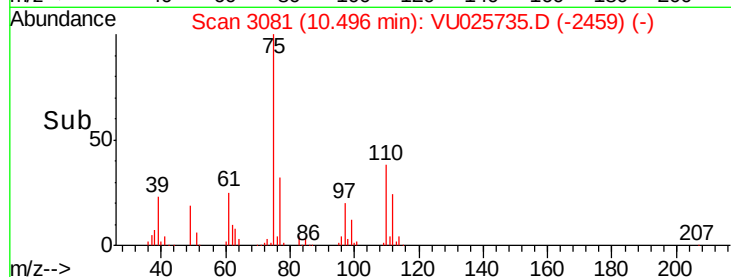
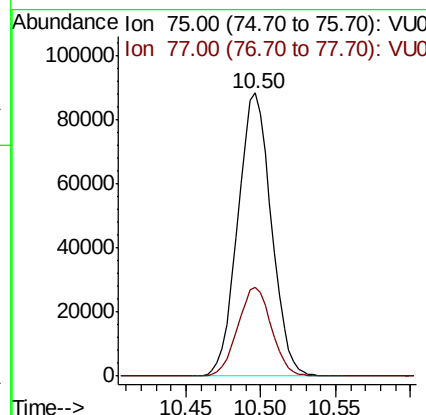
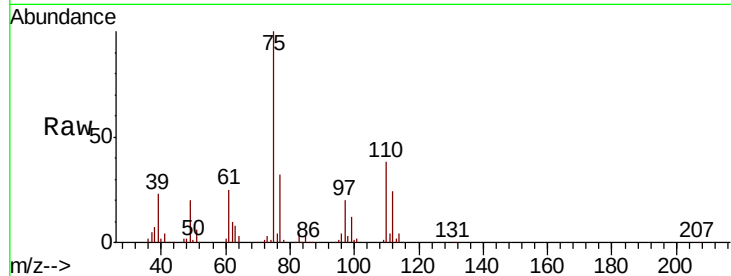




#59
 1,2,3-Trichloropropane
 Concen: 47.056 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU025735.D
 Acq: 31 Jul 2018 11:27

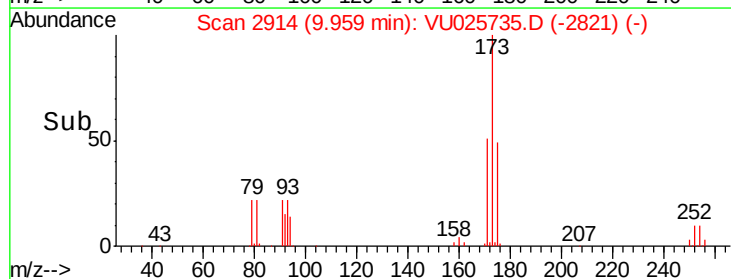
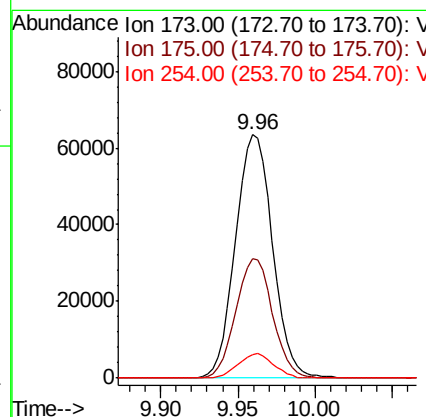
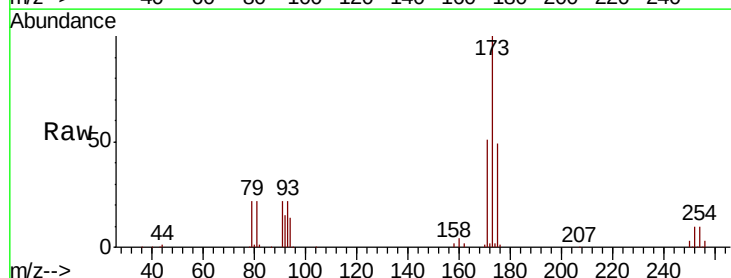
Instrument :
 MSVOA_D
 ClientSampled :

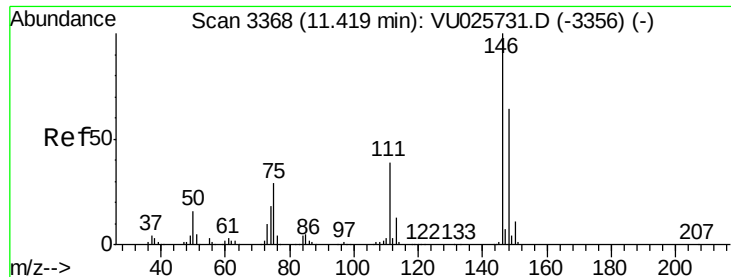
Tot Ion: 75 Resp: 138110
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.8



#61
 Bromoform
 Concen: 44.724 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. -0.00 min
 Lab File: VU025735.D
 Acq: 31 Jul 2018 11:27

Tgt Ion: 173 Resp: 105819
 Ion Ratio Lower Upper
 173 100
 175 48.6 39.8 59.8
 254 9.6 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 47.815 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU025735.D

Acq: 31 Jul 2018 11:27

Instrument :

MSVOA_D

ClientSampleId :

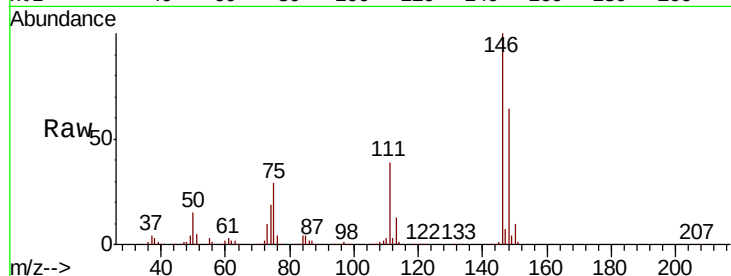
Tot Ion:146 Resp: 276664

Ion Ratio Lower Upper

146 100

111 39.1 27.7 51.5

148 64.0 45.5 84.5

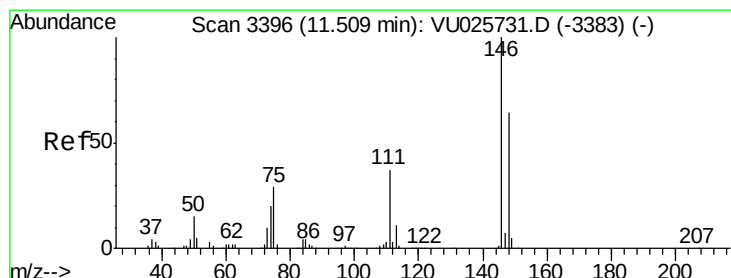
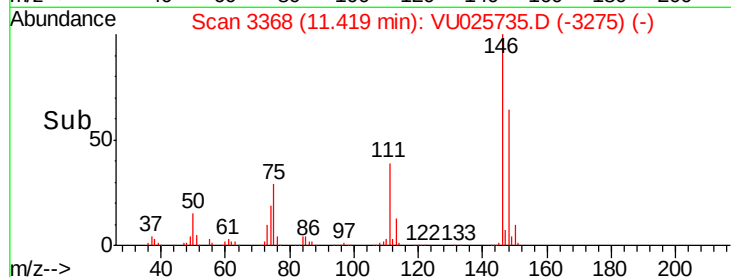
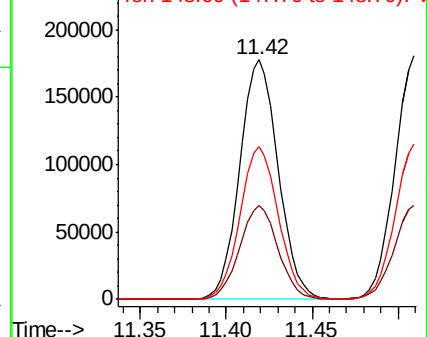


Abundance

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: 47.739 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU025735.D

Acq: 31 Jul 2018 11:27

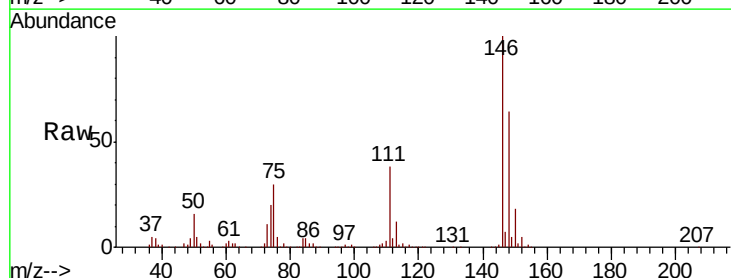
Tgt Ion:146 Resp: 281961

Ion Ratio Lower Upper

146 100

111 38.4 26.9 49.9

148 64.0 44.6 82.8

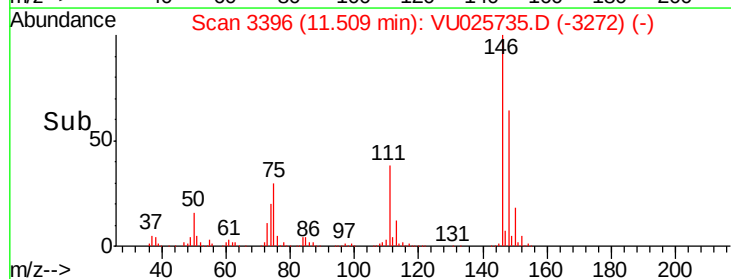
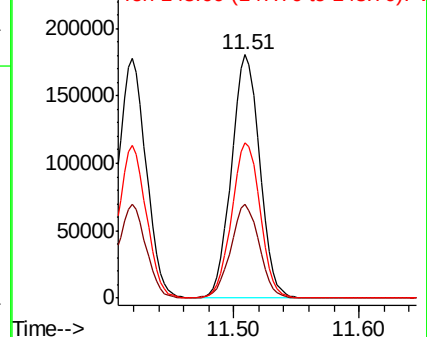


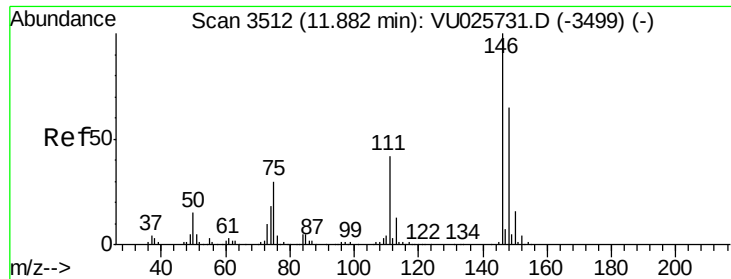
Abundance

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

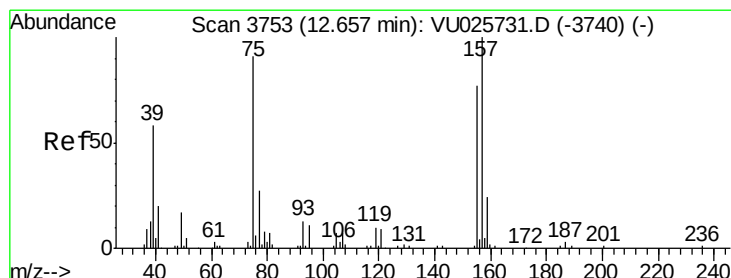
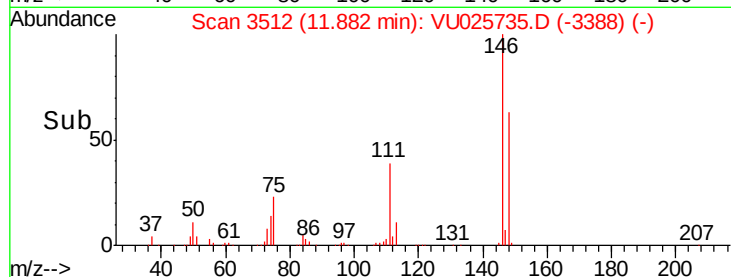
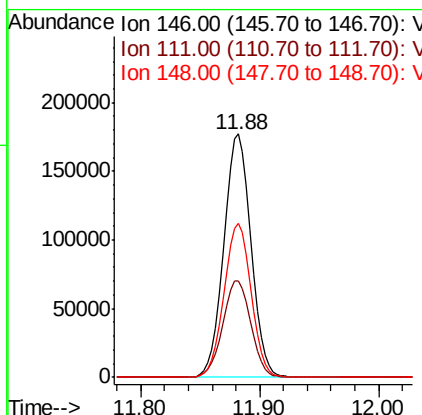
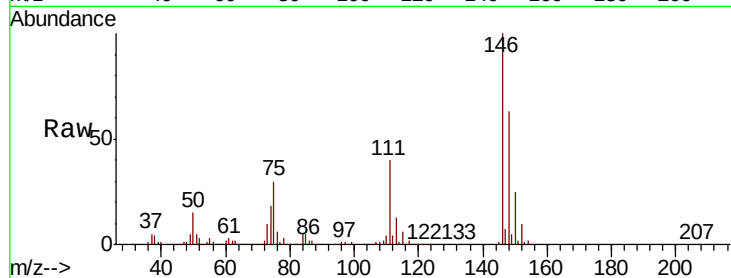




#65
 1,2-Dichlorobenzene
 Concen: 46.163 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025735.D
 Acq: 31 Jul 2018 11:27

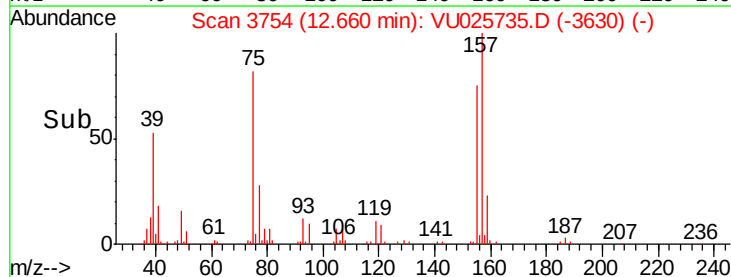
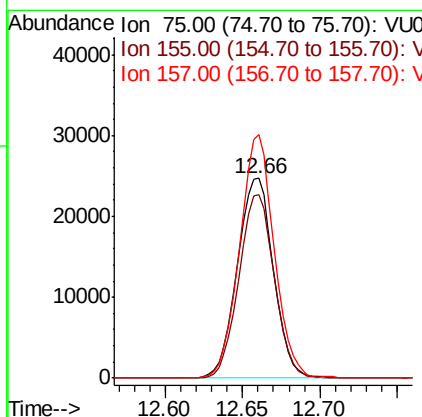
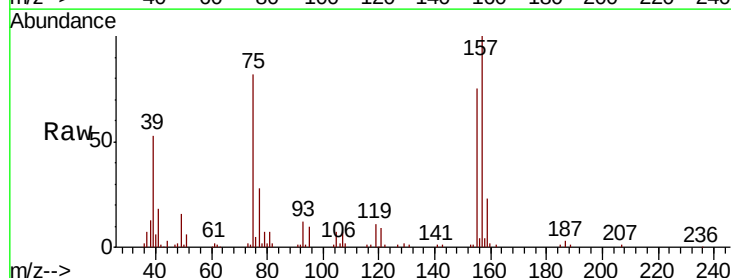
Instrument :
 MSVOA_D
 ClientSampleId :

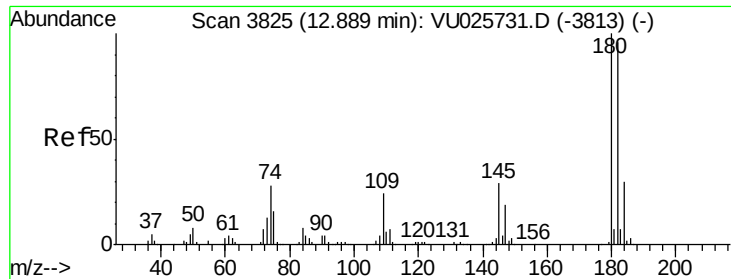
Tot Ion:146 Resp: 279828
 Ion Ratio Lower Upper
 146 100
 111 39.7 32.4 48.6
 148 63.2 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 42.056 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. -0.00 min
 Lab File: VU025735.D
 Acq: 31 Jul 2018 11:27

Tgt Ion: 75 Resp: 40094
 Ion Ratio Lower Upper
 75 100
 155 91.8 66.3 99.5
 157 121.8 91.5 137.3

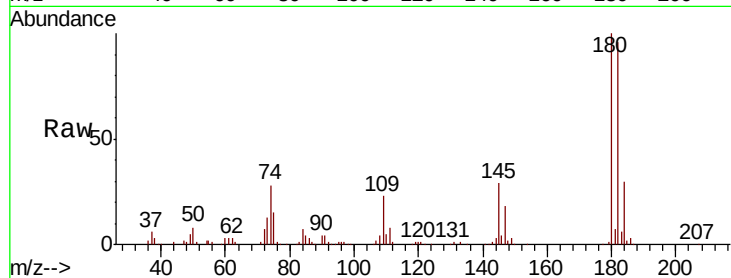




#67
 1,3,5-Trichlorobenzene
 Concen: 48.287 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU025735.D
 Acq: 31 Jul 2018 11:27

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.3	115.9
184	30.8	24.6	36.8
145	29.4	23.0	34.6



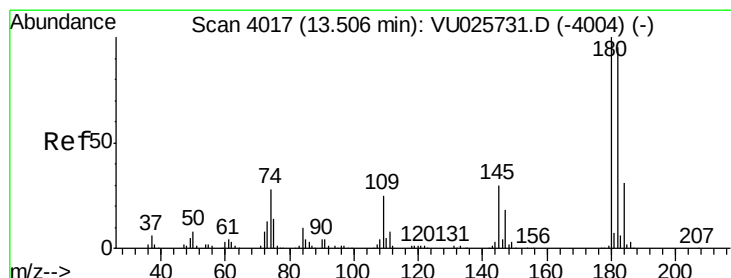
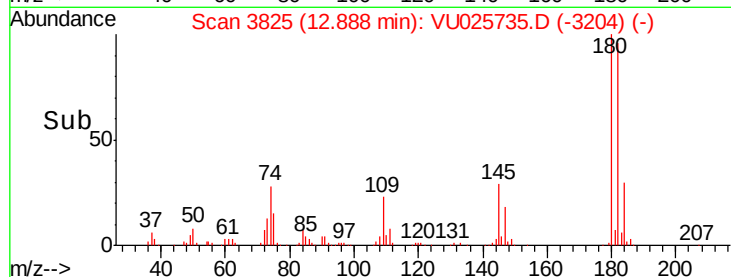
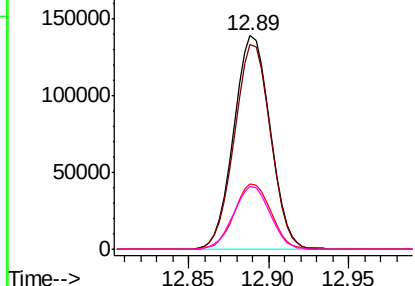
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

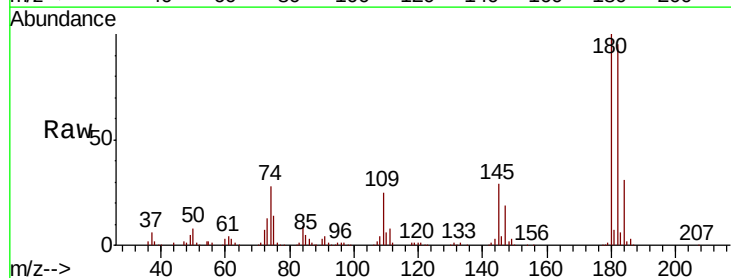
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 51.304 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025735.D
 Acq: 31 Jul 2018 11:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	78.1	117.1
145	29.4	23.4	35.2

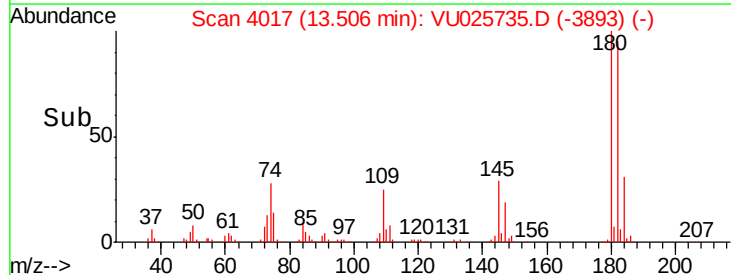
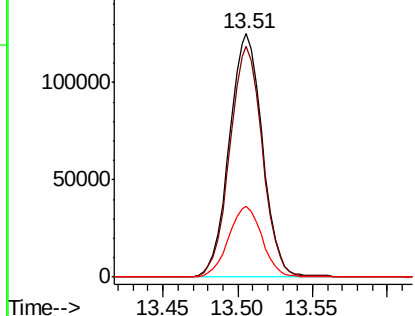


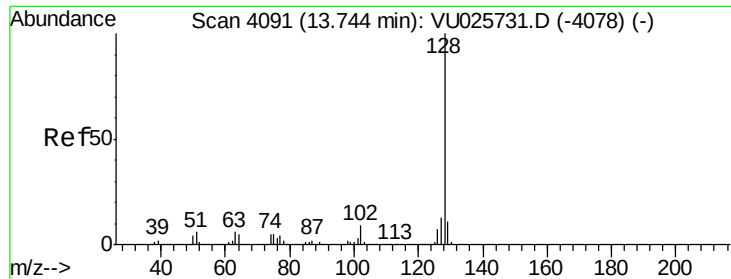
Abundance

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: 47.661 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU025735.D

Acq: 31 Jul 2018 11:27

Instrument :

MSVOA_D

ClientSampleId :

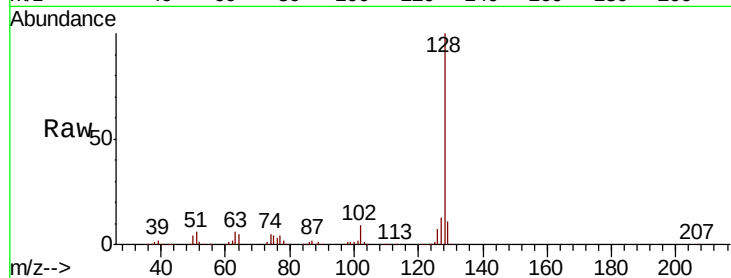
Tot Ion:128 Resp: 538005

Ion Ratio Lower Upper

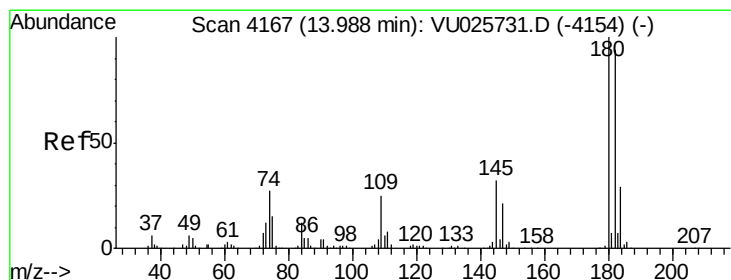
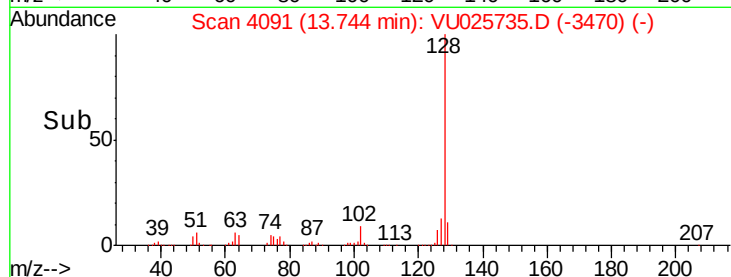
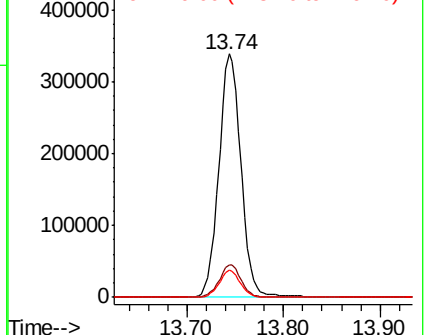
128 100

127 13.2 10.2 15.4

129 10.7 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: 48.257 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025735.D

Acq: 31 Jul 2018 11:27

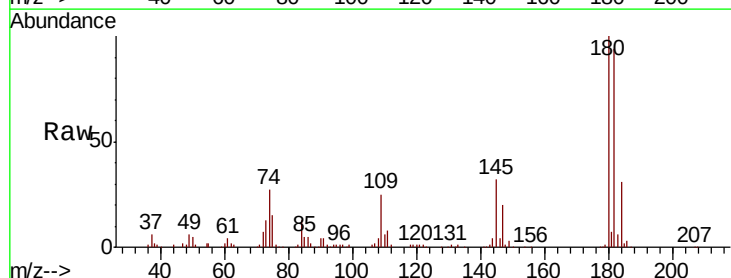
Tgt Ion:180 Resp: 191483

Ion Ratio Lower Upper

180 100

182 95.2 76.6 114.8

145 31.6 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

