

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072118\
 Data File : VU025594.D
 Acq On : 21 Jul 2018 19:05
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 23 01:14:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 23 01:10:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	325262	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	311691	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	171333	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	76206	41.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.08%
7) Chloroethane-d5	1.68	69	66335	43.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.62%
11) 1,1-Dichloroethene-d2	2.28	63	178284	46.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.24%
21) 2-Butanone-d5	4.18	46	144500	100.80	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.80%
24) Chloroform-d	4.65	84	197936	47.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.70%
26) 1,2-Dichloroethane-d4	5.31	65	128449	46.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.92%
32) Benzene-d6	5.35	84	367660	45.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.98%
36) 1,2-Dichloropropane-d6	6.34	67	120448	46.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.52%
41) Toluene-d8	7.57	98	357563	46.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.28%
43) trans-1,3-Dichloropropene-	7.85	79	60992	46.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.72%
47) 2-Hexanone-d5	8.31	63	106882	99.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.10%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	171980	47.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.48%
64) 1,2-Dichlorobenzene-d4	11.86	152	160154	46.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	147149	45.915	ug/L 100
3) Chloromethane	1.33	50	120817	52.201	ug/L 100
5) Vinyl chloride	1.41	62	122263	48.164	ug/L 99
6) Bromomethane	1.63	94	53649	60.773	ug/L 90
8) Chloroethane	1.70	64	72438	48.462	ug/L 99
9) Trichlorofluoromethane	1.89	101	173726	48.059	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	99016	48.914	ug/L 98
12) 1,1-Dichloroethene	2.29	96	92314	50.290	ug/L 98
13) Acetone	2.32	43	115816	68.830	ug/L 99
14) Carbon disulfide	2.48	76	285146	47.706	ug/L 100
15) Methyl Acetate	2.62	43	115515	49.662	ug/L 99
16) Methylene chloride	2.71	84	110379	48.272	ug/L 98
17) trans-1,2-Dichloroethene	2.99	96	103500	48.972	ug/L 98
18) Methyl tert-butyl Ether	3.00	73	343077	49.843	ug/L 100
19) 1,1-Dichloroethane	3.45	63	196872	48.969	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	119893	50.257	ug/L 96
22) 2-Butanone	4.26	43	164301	87.712	ug/L 99

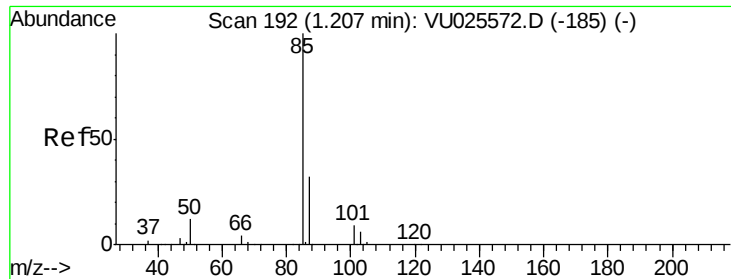
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072118\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	63256	50.236	uq/L	99
25) Chloroform	4.68	83	210528	49.765	uq/L	99
27) 1,2-Dichloroethane	5.41	62	170953	49.543	uq/L	97
29) Cyclohexane	5.00	56	171410	47.468	uq/L	99
30) 1,1,1-Trichloroethane	4.92	97	190732	48.902	uq/L	99
31) Carbon tetrachloride	5.14	117	172497	47.829	uq/L	100
33) Benzene	5.39	78	434920	48.563	uq/L	100
34) Trichloroethene	6.19	95	116789	49.148	uq/L	99
35) Methylcyclohexane	6.42	83	181871	47.467	uq/L	98
37) 1,2-Dichloropropane	6.44	63	118937	48.599	uq/L	99
38) Bromodichloromethane	6.76	83	157342	48.762	uq/L	97
39) cis-1,3-Dichloropropene	7.27	75	188729	49.692	uq/L	99
40) 4-Methyl-2-pentanone	7.46	43	318369	99.061	uq/L	99
42) Toluene	7.64	91	475164	49.198	uq/L	99
44) trans-1,3-Dichloropropene	7.88	75	176217	49.209	uq/L	99
45) 1,1,2-Trichloroethane	8.07	97	115393	49.156	uq/L	99
46) Tetrachloroethene	8.23	164	102098	49.561	uq/L	98
48) 2-Hexanone	8.36	43	250007	92.061	uq/L	99
49) Dibromochloromethane	8.48	129	135907	49.354	uq/L	99
50) 1,2-Dibromoethane	8.59	107	123282	48.747	uq/L	99
51) Chlorobenzene	9.12	112	320861	49.347	uq/L	100
52) Ethylbenzene	9.25	91	538530	50.520	uq/L	99
53) m,p-Xylene	9.38	106	209094	51.210	uq/L	99
54) o-xylene	9.78	106	206335	49.802	uq/L	99
55) Styrene	9.80	104	348761	51.684	uq/L	100
56) Isopropylbenzene	10.17	105	546087	51.073	uq/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	184805	48.806	uq/L	100
59) 1,2,3-Trichloropropane	10.50	75	138391	48.143	uq/L	100
61) Bromoform	9.96	173	99858	45.059	uq/L	98
62) 1,3-Dichlorobenzene	11.42	146	265044	48.905	uq/L	98
63) 1,4-Dichlorobenzene	11.51	146	269029	48.630	uq/L	99
65) 1,2-Dichlorobenzene	11.88	146	273016	48.085	uq/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	41308	46.260	uq/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	211131	50.470	uq/L	99
68) 1,2,4-trichlorobenzene	13.51	180	185838	52.857	uq/L	97
69) Naphthalene	13.74	128	527180	49.861	uq/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	188939	50.836	uq/L	100

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



#2

Dichlorodifluoromethane

Concen: 45.915 ug/L

RT: 1.21 min Scan# 192

Delta R.T. -0.00 min

Lab File: VU025594.D

Acq: 21 Jul 2018 19:05

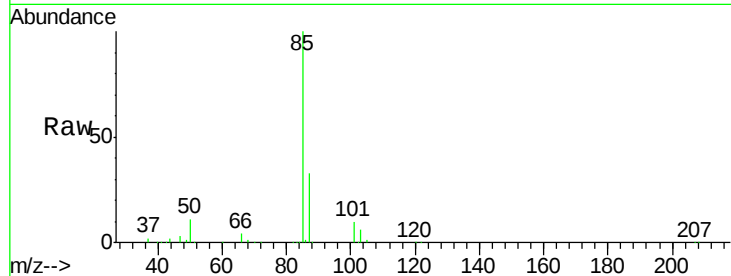
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 147149

Ion Ratio Lower Upper

85 100

87 32.2 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU025594.D (-99) (-)

Ion 87.00 (86.70 to 87.70): VU025594.D (-99) (-)

1.21

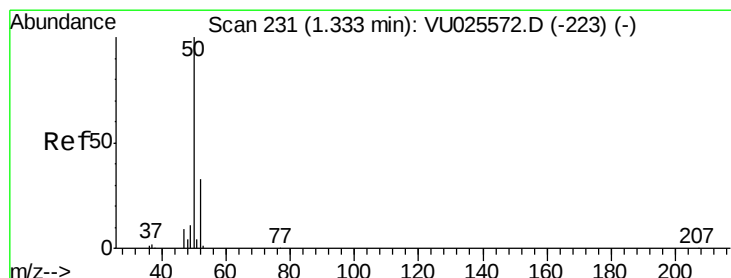
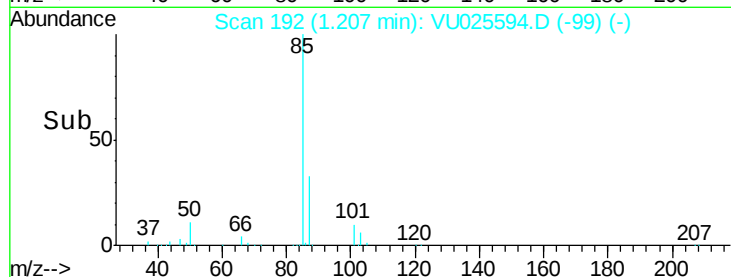
150000

100000

50000

0

Time--> 1.15 1.20 1.25



#3

Chloromethane

Concen: 52.201 ug/L

RT: 1.33 min Scan# 231

Delta R.T. -0.00 min

Lab File: VU025594.D

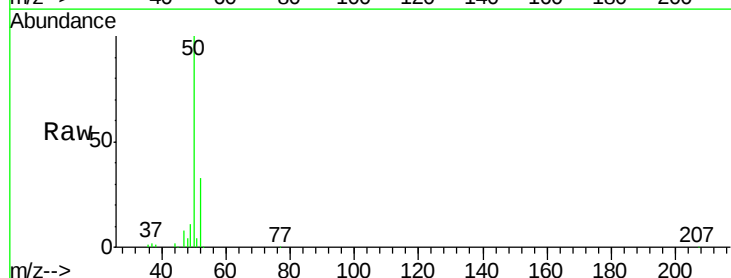
Acq: 21 Jul 2018 19:05

Tgt Ion: 50 Resp: 120817

Ion Ratio Lower Upper

50 100

52 33.0 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU025594.D (-138) (-)

Ion 52.00 (51.70 to 52.70): VU025594.D (-138) (-)

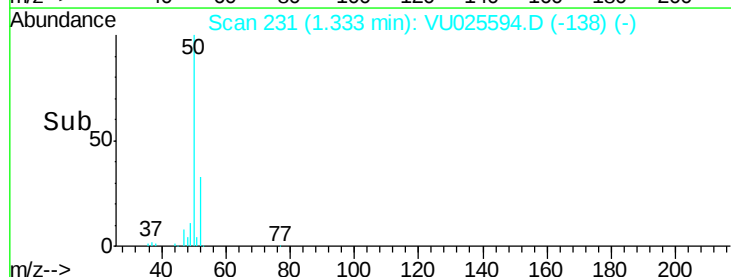
1.33

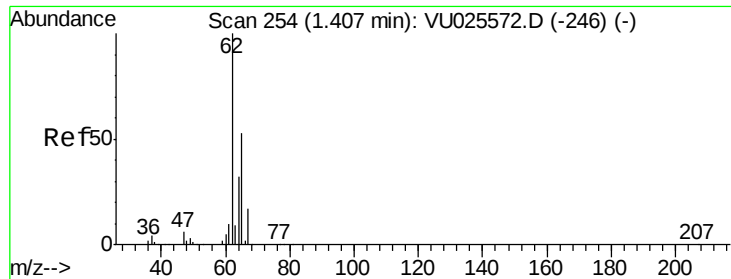
100000

50000

0

Time--> 1.30 1.35 1.40





#5

Vinyl chloride

Concen: 48.164 ug/L

RT: 1.41 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU025594.D

Acq: 21 Jul 2018 19:05

Instrument :

MSVOA_U

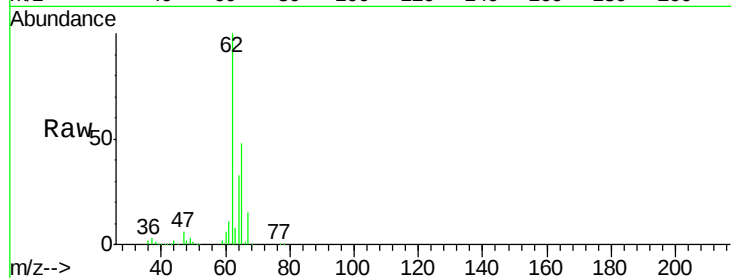
ClientSampled :

Tot Ion: 62 Resp: 122263

Ion Ratio Lower Upper

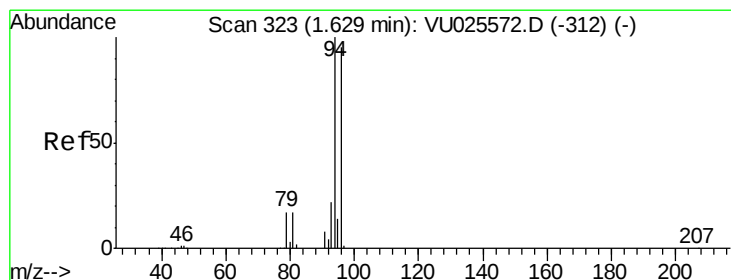
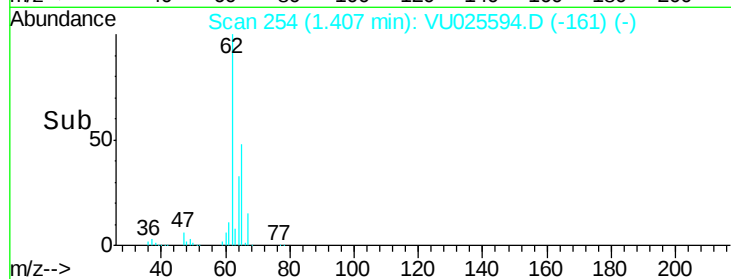
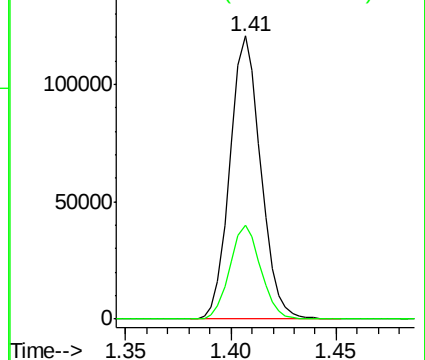
62 100

64 33.0 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: 60.773 ug/L

RT: 1.63 min Scan# 323

Delta R.T. -0.00 min

Lab File: VU025594.D

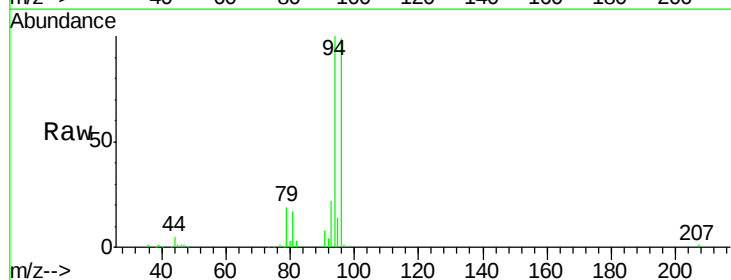
Acq: 21 Jul 2018 19:05

Tgt Ion: 94 Resp: 53649

Ion Ratio Lower Upper

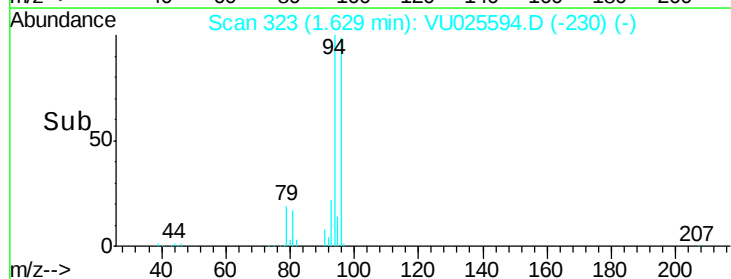
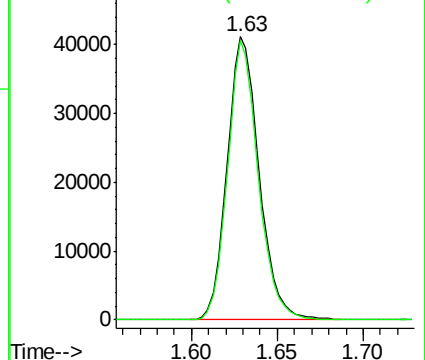
94 100

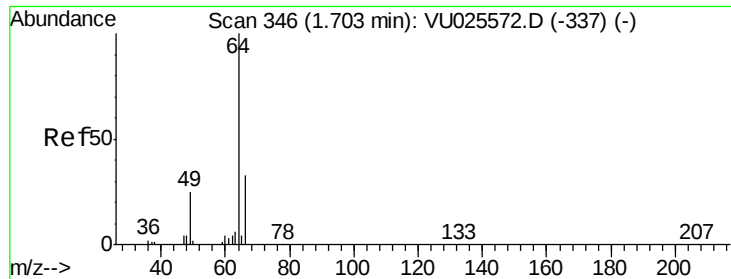
96 98.6 62.4 115.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 48.462 ug/L

RT: 1.70 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU025594.D

Acq: 21 Jul 2018 19:05

Instrument :

MSVOA_U

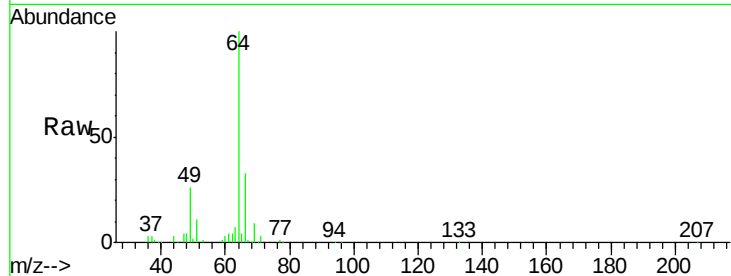
ClientSampleId :

Tot Ion: 64 Resp: 72438

Ion Ratio Lower Upper

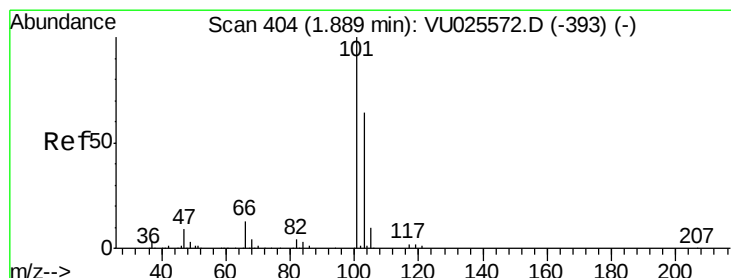
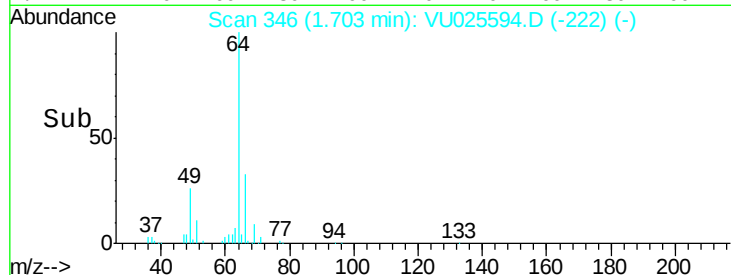
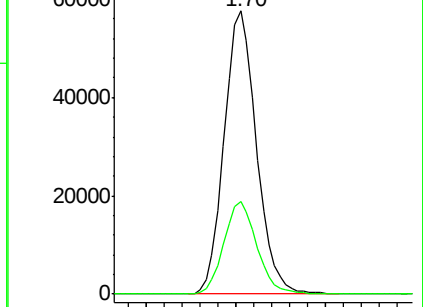
64 100

66 32.8 23.5 43.7



Abundance Ion 64.00 (63.70 to 64.70): VU025594.D (-222) (-)

Ion 66.00 (65.70 to 66.70): VU025594.D (-222) (-)



#9

Trichlorofluoromethane

Concen: 48.059 ug/L

RT: 1.89 min Scan# 404

Delta R.T. -0.00 min

Lab File: VU025594.D

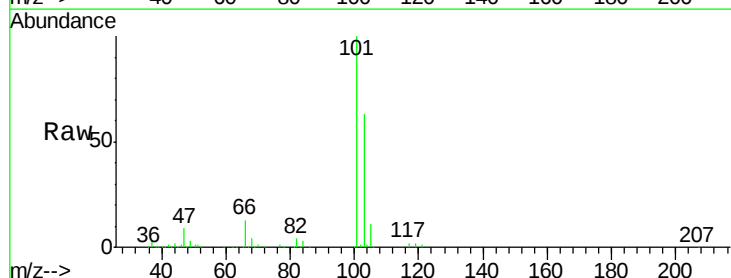
Acq: 21 Jul 2018 19:05

Tgt Ion: 101 Resp: 173726

Ion Ratio Lower Upper

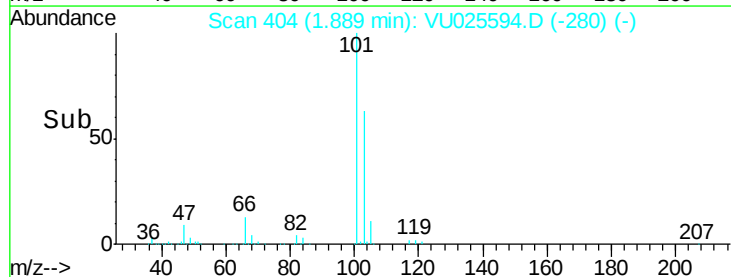
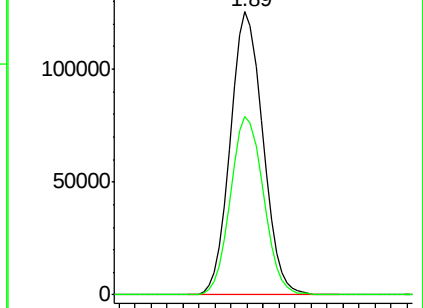
101 100

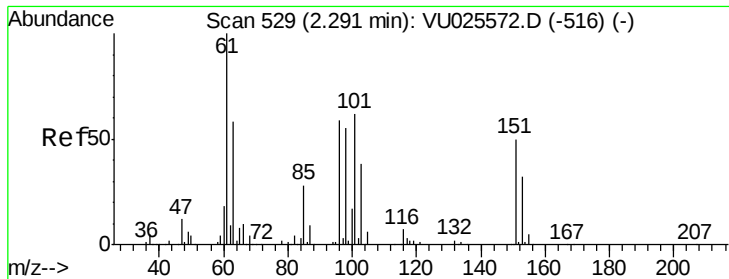
103 63.9 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): VU025594.D (-280) (-)

Ion 103.00 (102.70 to 103.70): VU025594.D (-280) (-)





#10

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

Concen: 48.914 ug/L

RT: 2.29 min Scan# 529

Delta R.T. -0.00 min

Lab File: VU025594.D

Acq: 21 Jul 2018 19:05

Instrument :

MSVOA_U

ClientSampleId :

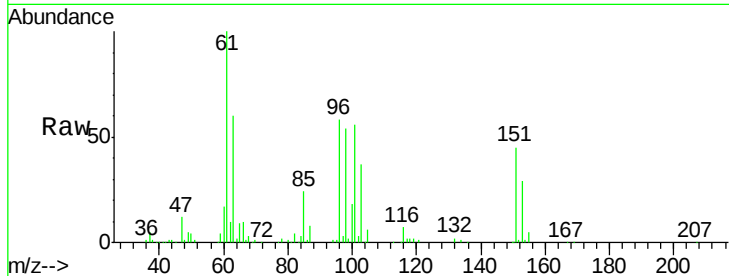
Tot Ion:101 Resp: 99016

Ion Ratio Lower Upper

101 100

85 43.6 35.5 53.3

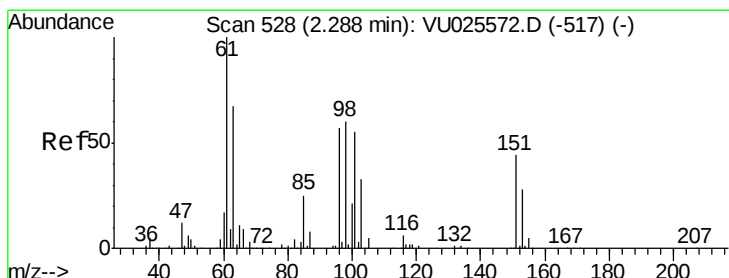
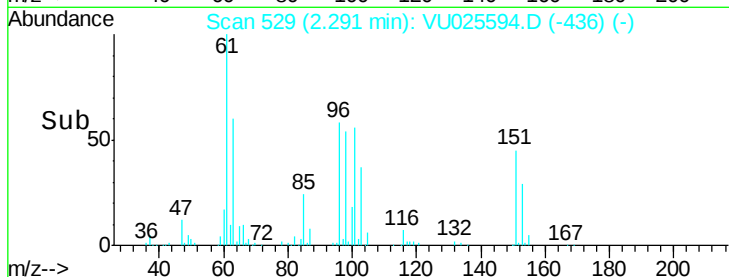
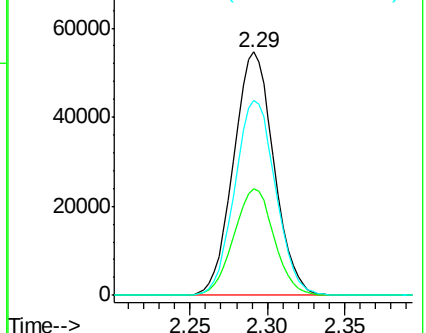
151 81.2 63.5 95.3



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: 50.290 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025594.D

Acq: 21 Jul 2018 19:05

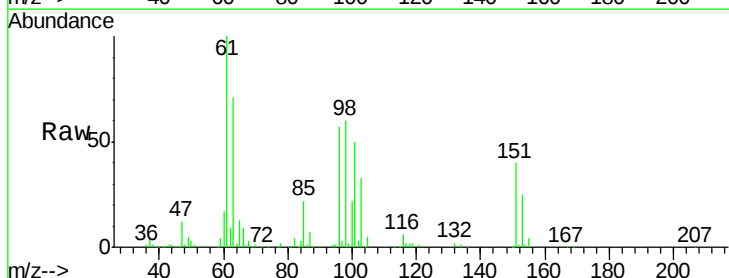
Tgt Ion: 96 Resp: 92314

Ion Ratio Lower Upper

96 100

61 174.9 122.5 227.5

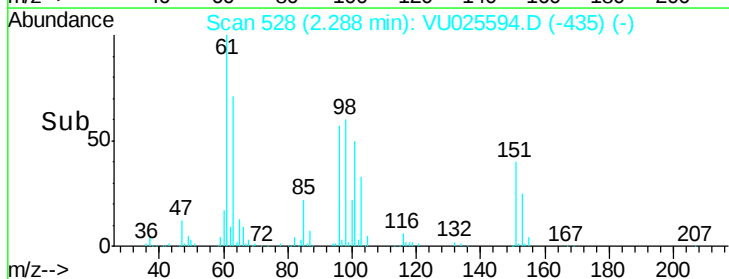
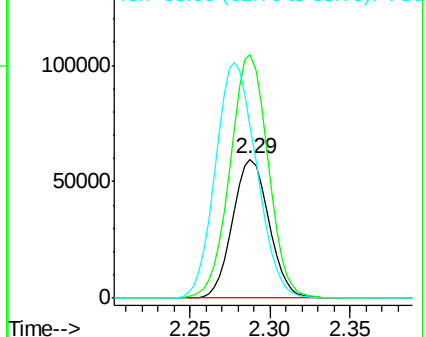
63 123.3 90.9 168.9

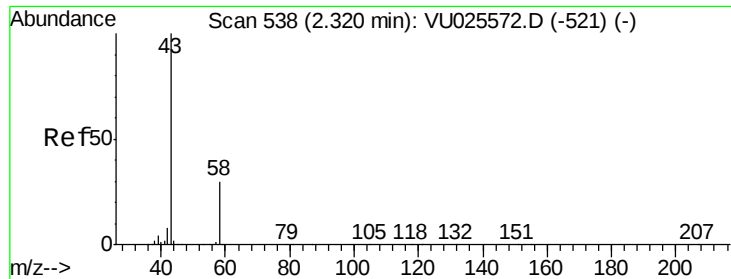


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 68.830 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025594.D

Acq: 21 Jul 2018 19:05

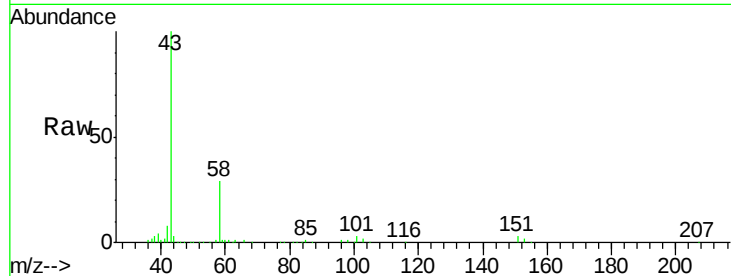
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 115816

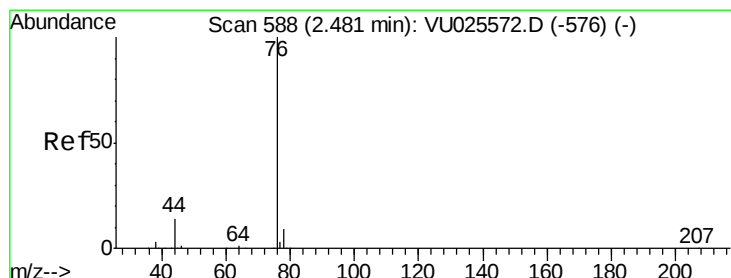
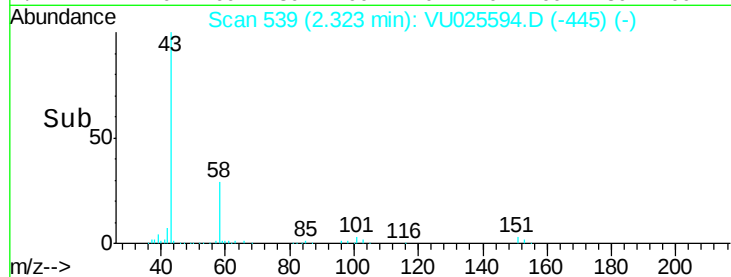
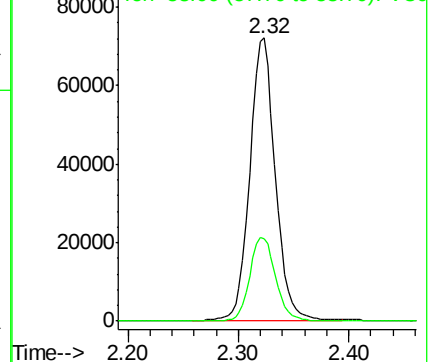
Ion Ratio Lower Upper

43 100

58 29.9 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU025594.D (-445) (-)



#14

Carbon disulfide

Concen: 47.706 ug/L

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU025594.D

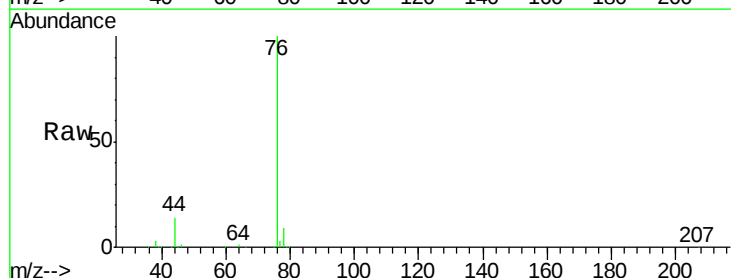
Acq: 21 Jul 2018 19:05

Tgt Ion: 76 Resp: 285146

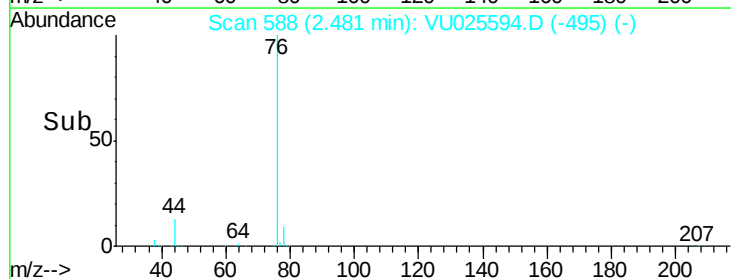
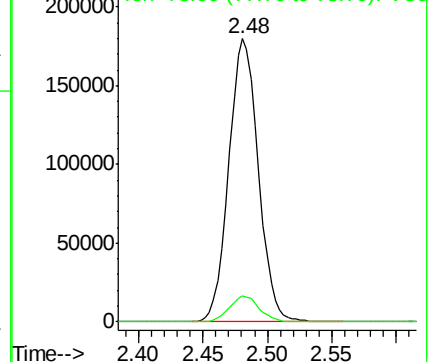
Ion Ratio Lower Upper

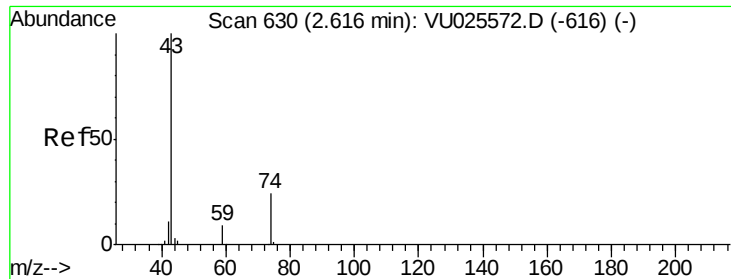
76 100

78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU025594.D (-495) (-)





#15

Methvl Acetate

Concen: 49.662 ug/L

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025594.D

Acq: 21 Jul 2018 19:05

Instrument :

MSVOA_U

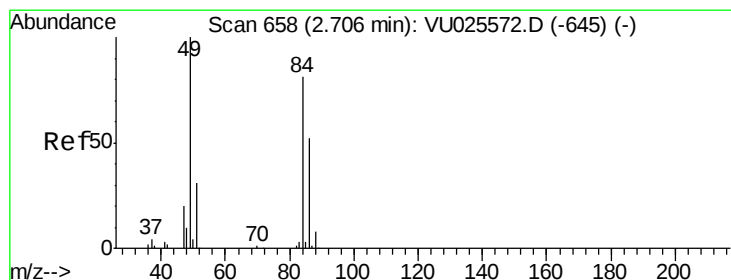
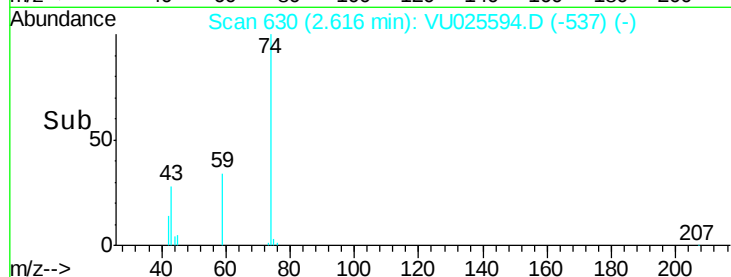
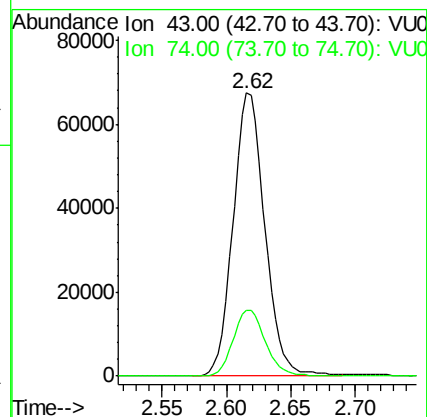
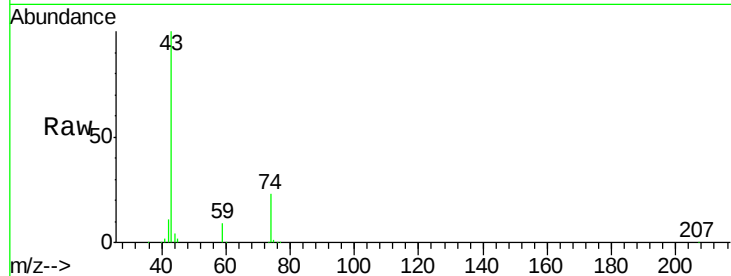
ClientSampleId :

Tot Ion: 43 Resp: 115515

Ion Ratio Lower Upper

43 100

74 23.6 18.3 27.5



#16

Methylene chloride

Concen: 48.272 ug/L

RT: 2.71 min Scan# 658

Delta R.T. -0.00 min

Lab File: VU025594.D

Acq: 21 Jul 2018 19:05

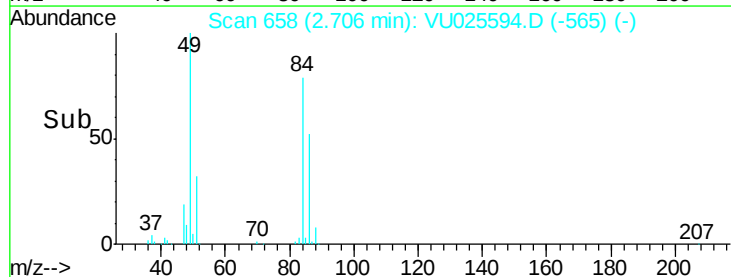
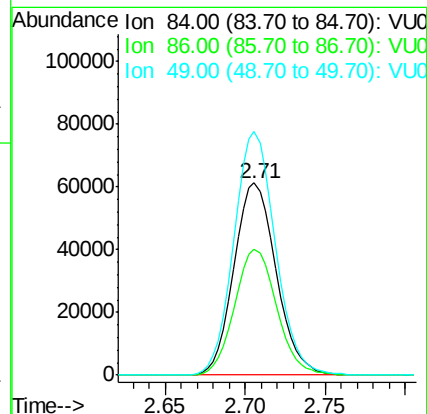
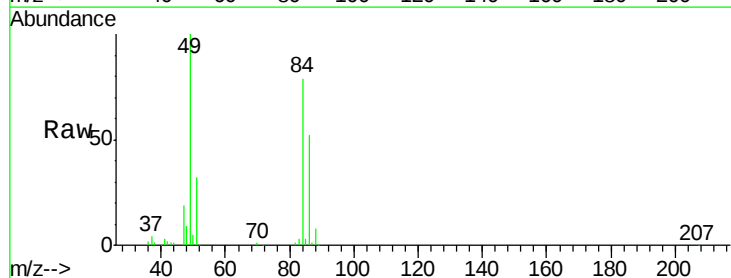
Tgt Ion: 84 Resp: 110379

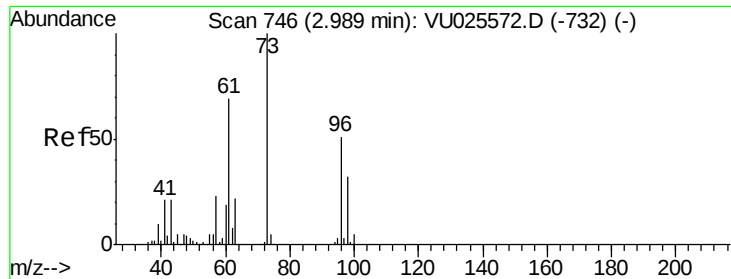
Ion Ratio Lower Upper

84 100

86 65.6 45.6 84.6

49 126.9 87.0 161.6





#17

trans-1,2-Dichloroethene

Concen: 48.972 ug/L

RT: 2.99 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU025594.D

Acq: 21 Jul 2018 19:05

Instrument :

MSVOA_U

ClientSampled :

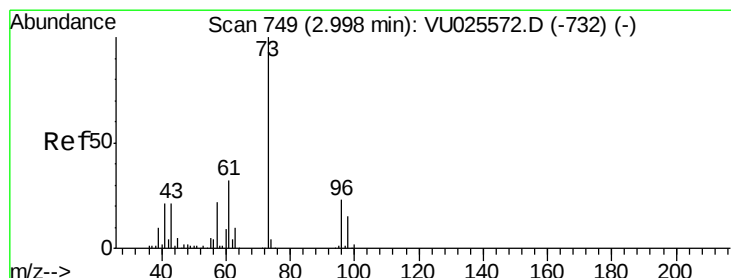
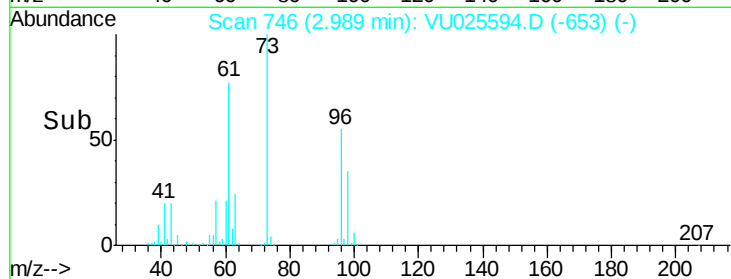
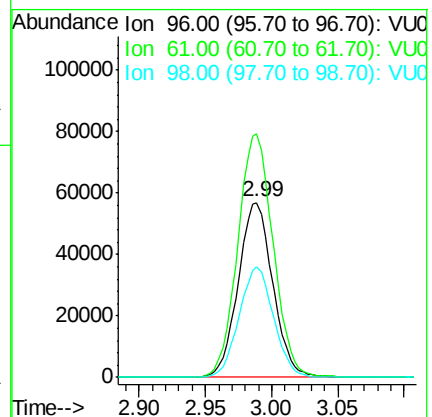
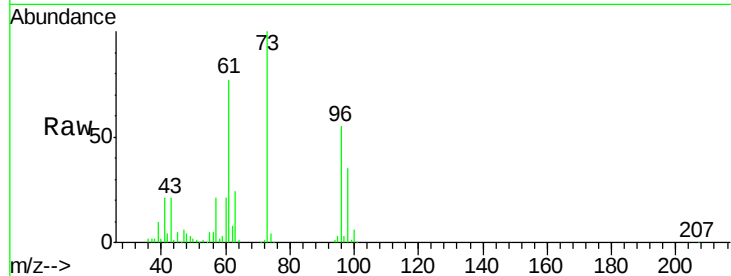
Tot Ion: 96 Resp: 103500

Ion Ratio Lower Upper

96 100

61 139.2 100.0 185.8

98 63.2 44.7 83.1



#18

Methyl tert-butyl Ether

Concen: 49.843 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU025594.D

Acq: 21 Jul 2018 19:05

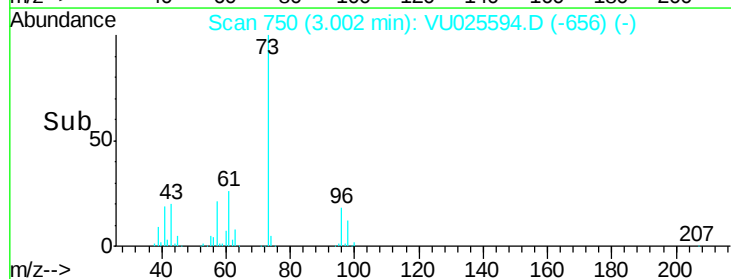
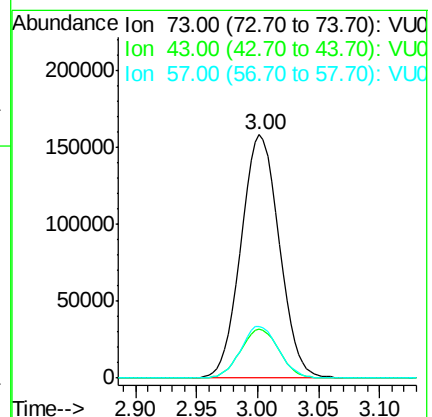
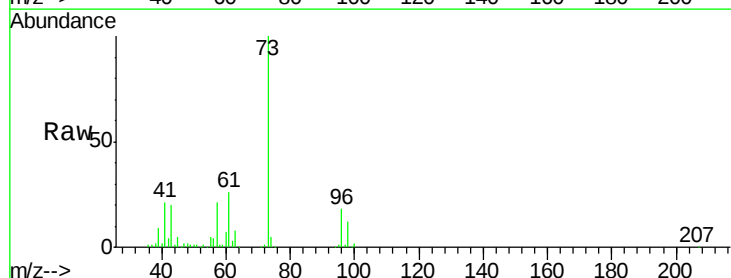
Tgt Ion: 73 Resp: 343077

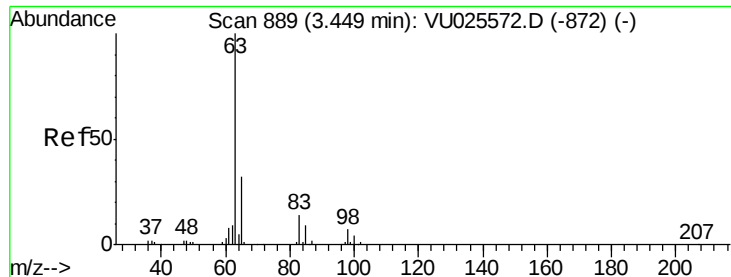
Ion Ratio Lower Upper

73 100

43 20.5 16.2 24.2

57 21.2 17.1 25.7

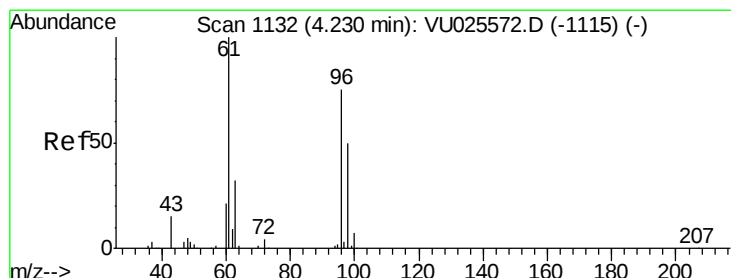
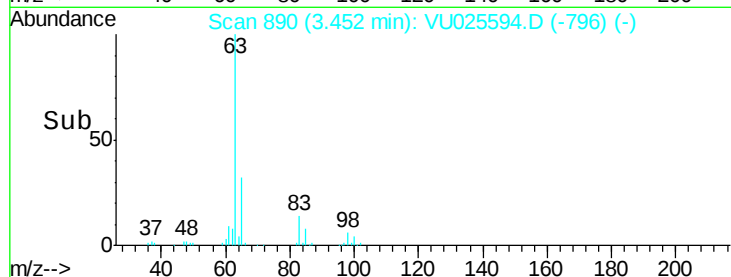
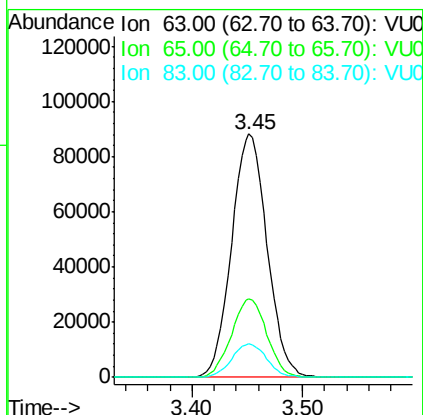
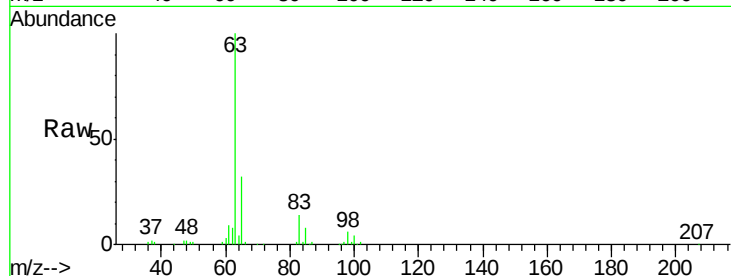




#19
 1,1-Dichloroethane
 Concen: 48.969 ug/L
 RT: 3.45 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: VU025594.D
 Acq: 21 Jul 2018 19:05

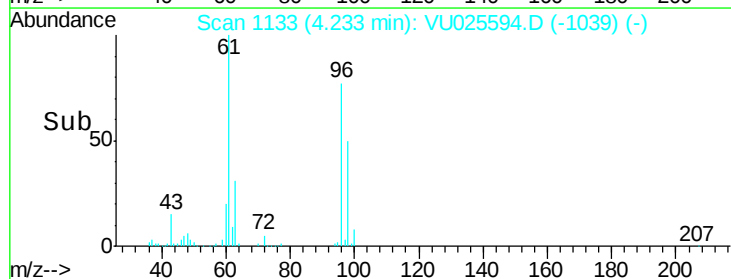
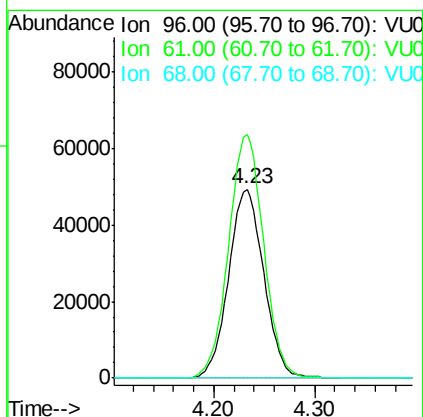
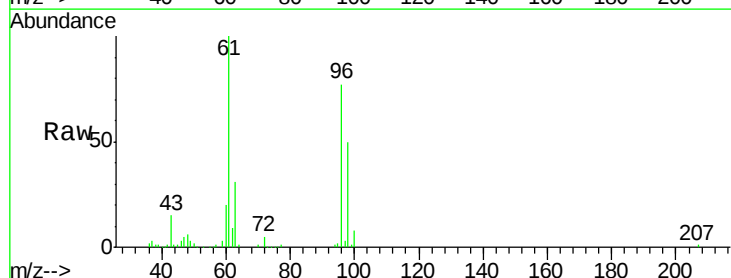
Instrument :
 MSVOA_U
 ClientSampled :

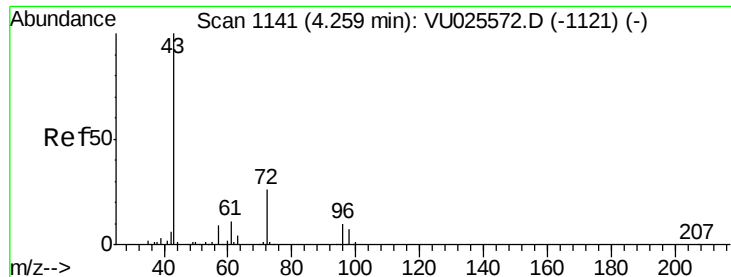
Tot Ion: 63 Resp: 196872
 Ion Ratio Lower Upper
 63 100
 65 32.5 22.0 41.0
 83 13.8 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 50.257 ug/L
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU025594.D
 Acq: 21 Jul 2018 19:05

Tgt Ion: 96 Resp: 119893
 Ion Ratio Lower Upper
 96 100
 61 129.1 87.4 162.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 87.712 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025594.D

Acq: 21 Jul 2018 19:05

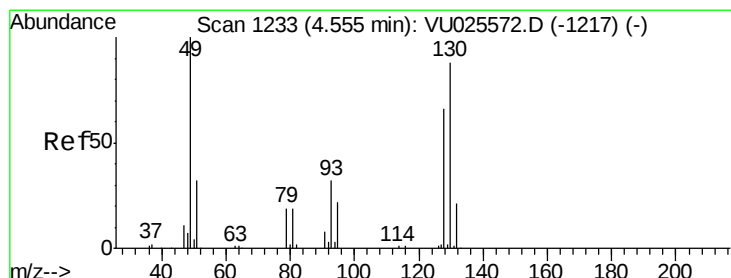
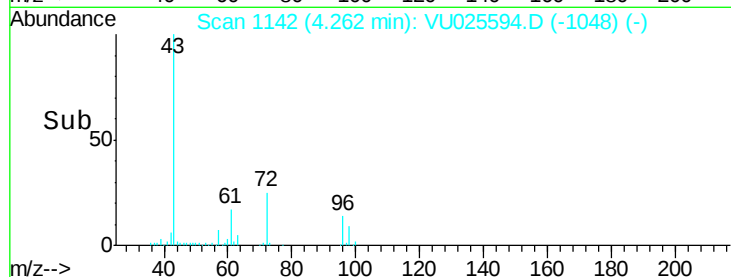
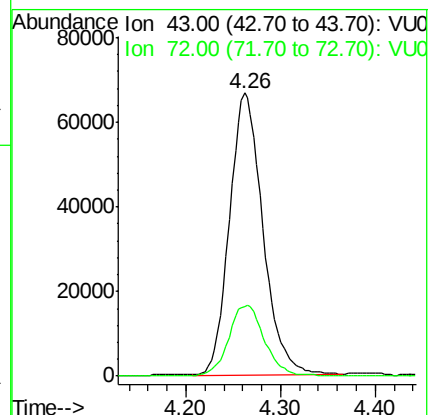
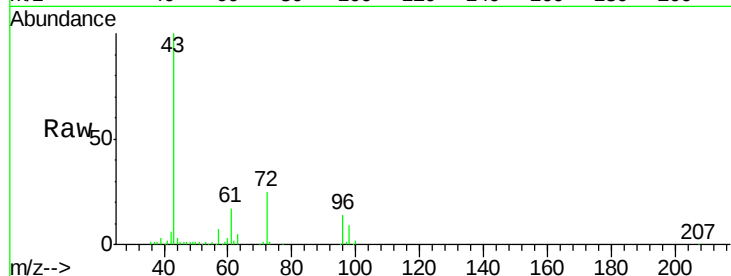
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 164301

Ion Ratio Lower Upper

43 100

72 26.9 13.6 40.8



#23

Bromochloromethane

Concen: 50.236 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU025594.D

Acq: 21 Jul 2018 19:05

Tgt Ion:128 Resp: 63256

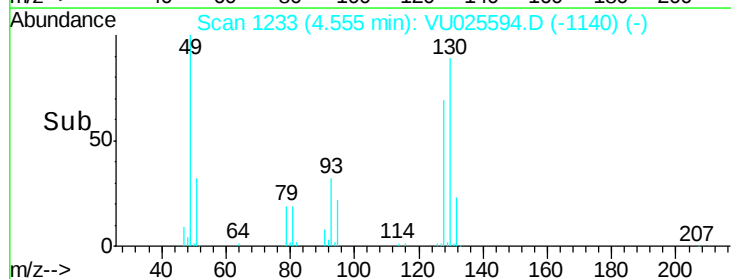
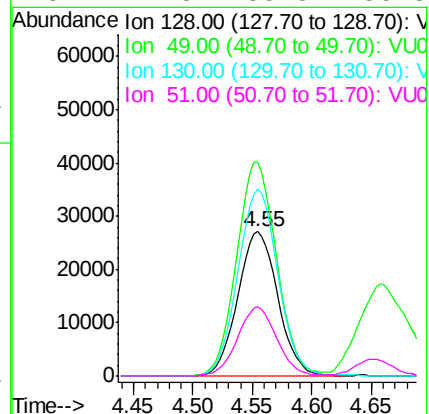
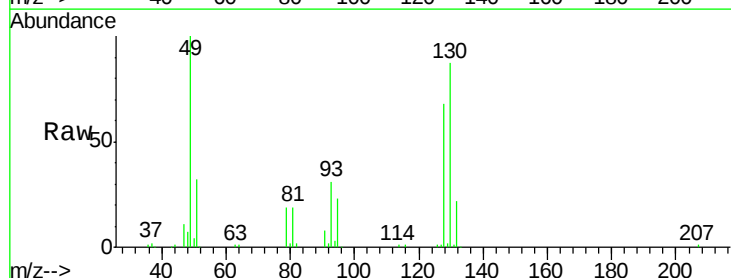
Ion Ratio Lower Upper

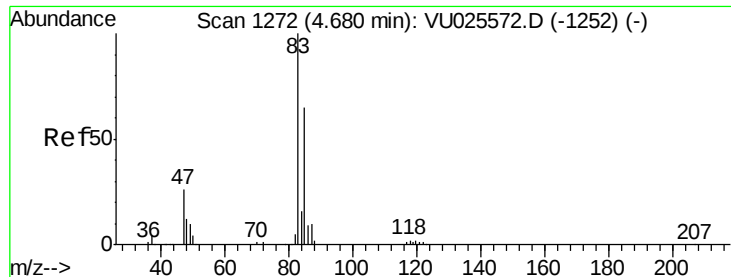
128 100

49 147.9 103.3 191.8

130 129.2 90.4 167.8

51 47.8 35.5 53.3





#25

Chloroform

Concen: 49.765 ug/L

RT: 4.68 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VU025594.D

Acq: 21 Jul 2018 19:05

Instrument :

MSVOA_U

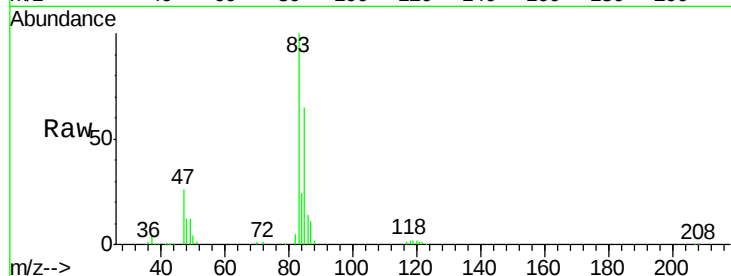
ClientSampled :

Tot Ion: 83 Resp: 210528

Ion Ratio Lower Upper

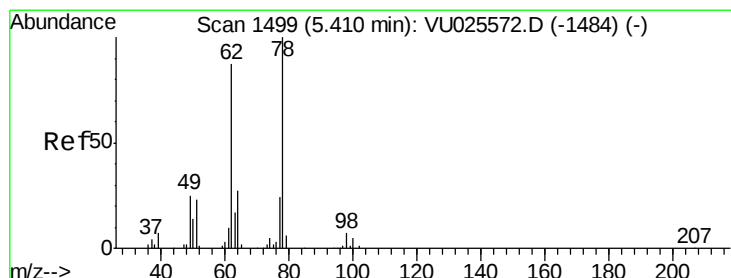
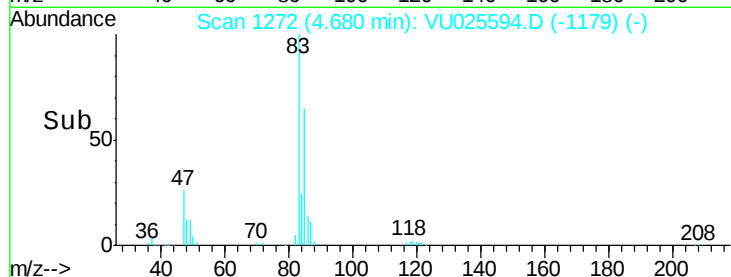
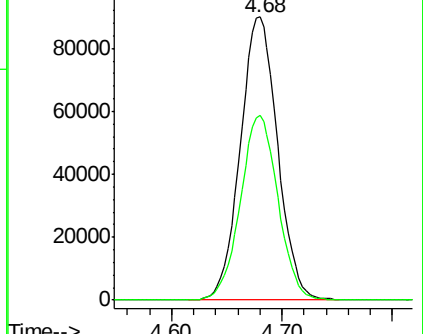
83 100

85 65.2 45.0 83.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#27

1,2-Dichloroethane

Concen: 49.543 ug/L

RT: 5.41 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VU025594.D

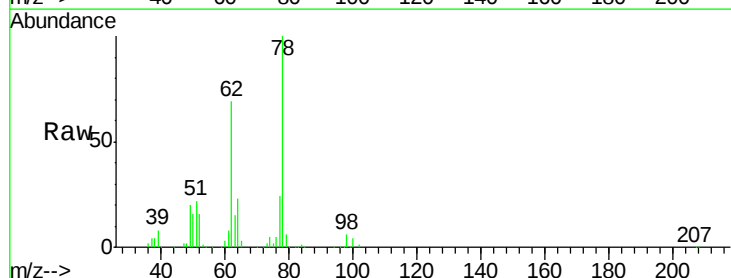
Acq: 21 Jul 2018 19:05

Tgt Ion: 62 Resp: 170953

Ion Ratio Lower Upper

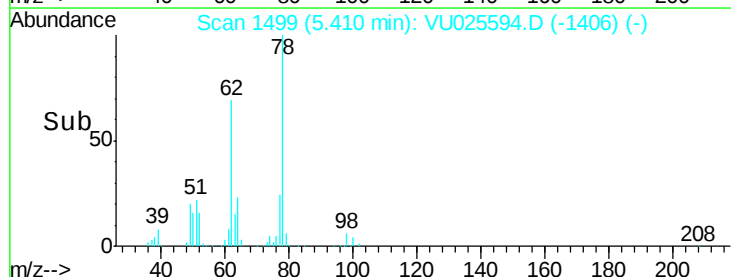
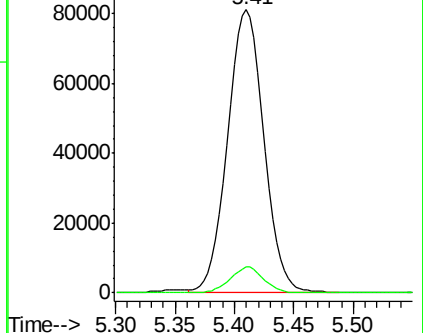
62 100

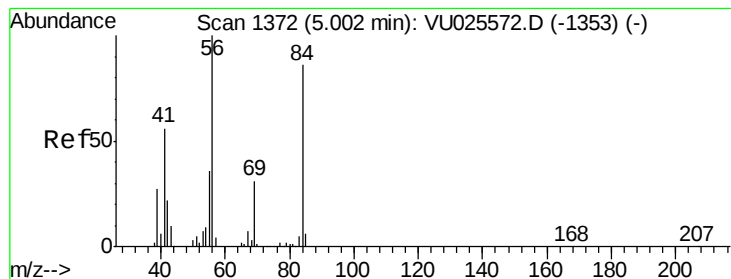
98 9.1 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#29

Cyclohexane

Concen: 47.468 ug/L

RT: 5.00 min Scan# 1373

Delta R.T. 0.00 min

Lab File: VU025594.D

Acq: 21 Jul 2018 19:05

Instrument :
MSVOA_U
ClientSampleId :

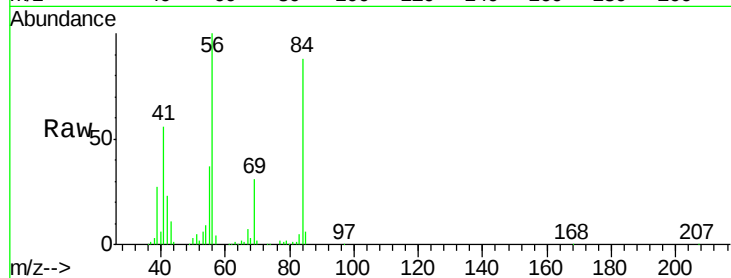
Tot Ion: 56 Resp: 171410

Ion Ratio Lower Upper

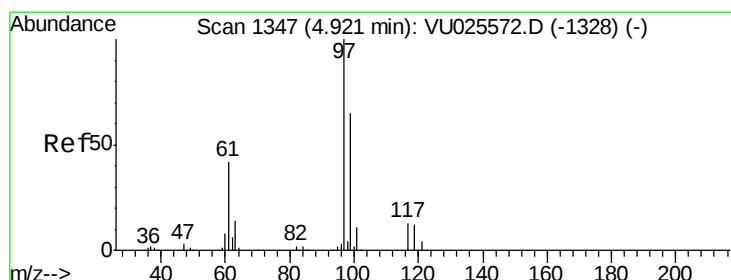
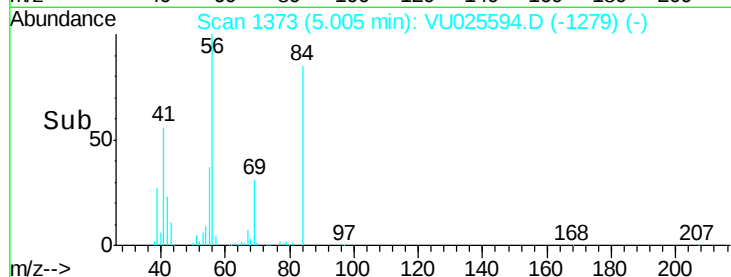
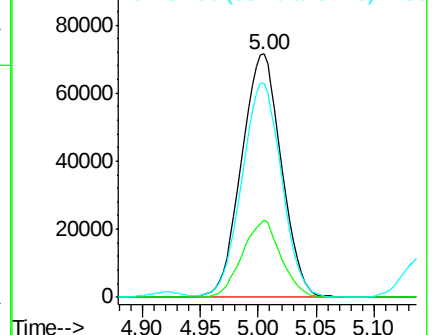
56 100

69 30.6 24.8 37.2

84 87.7 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: 48.902 ug/L

RT: 4.92 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VU025594.D

Acq: 21 Jul 2018 19:05

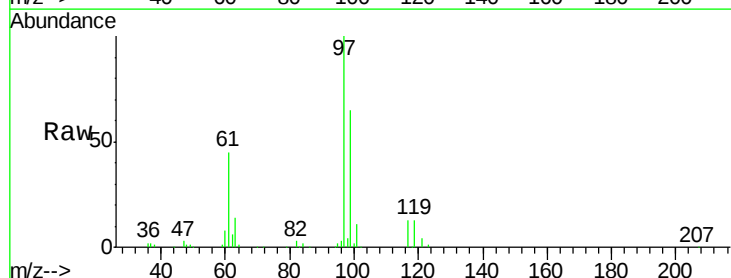
Tgt Ion: 97 Resp: 190732

Ion Ratio Lower Upper

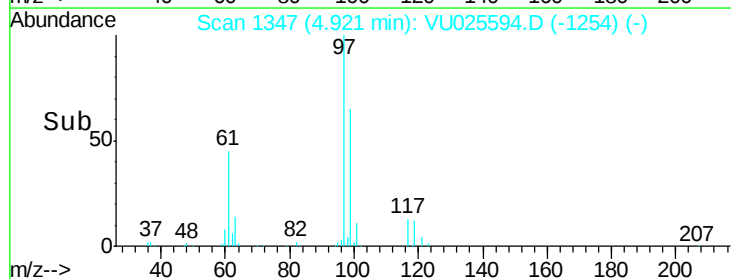
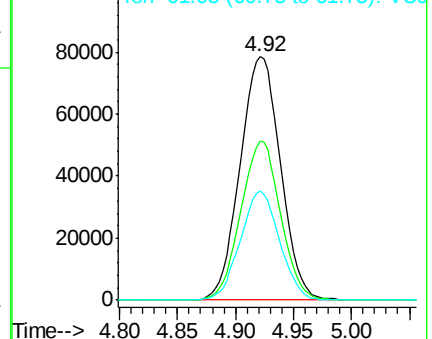
97 100

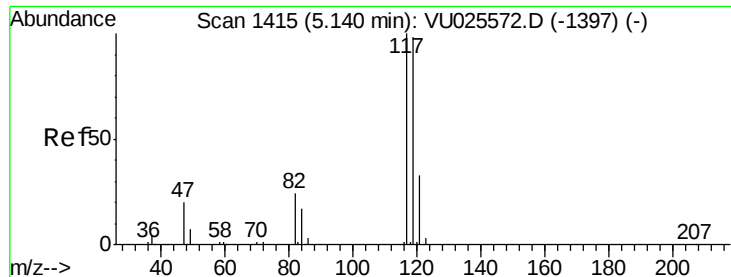
99 64.2 52.4 78.6

61 43.5 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

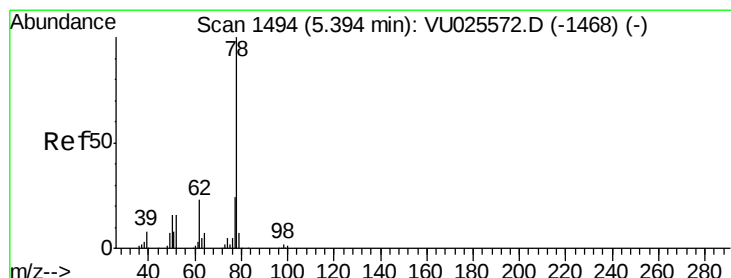
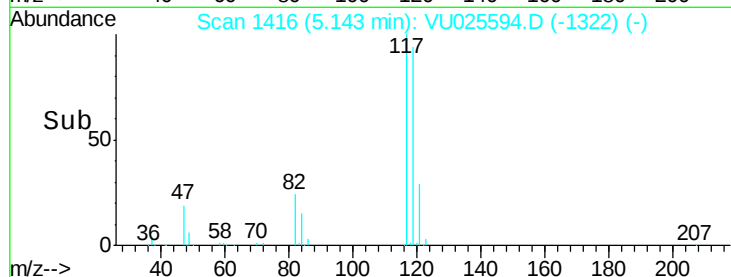
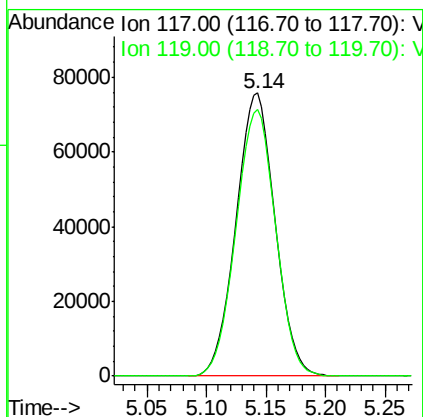
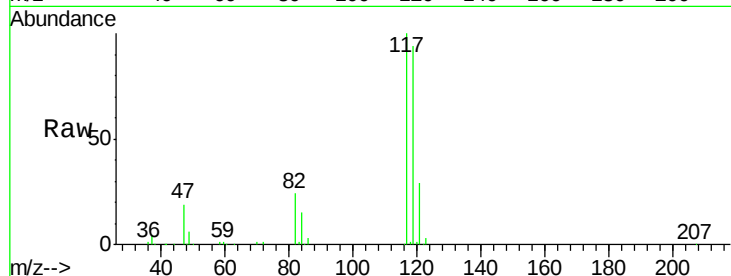




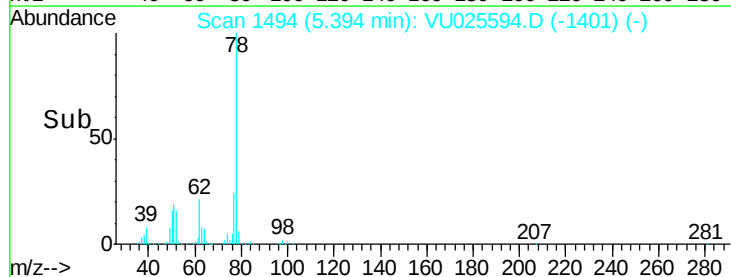
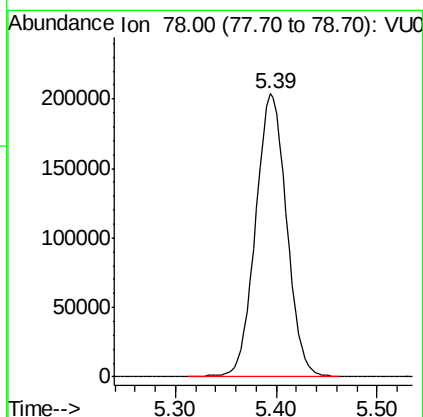
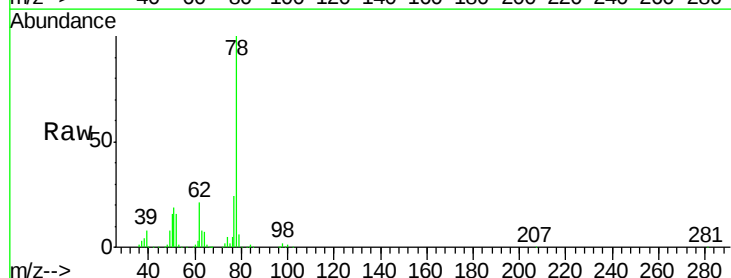
#31
Carbon tetrachloride
Concen: 47.829 ug/L
RT: 5.14 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VU025594.D
Acq: 21 Jul 2018 19:05

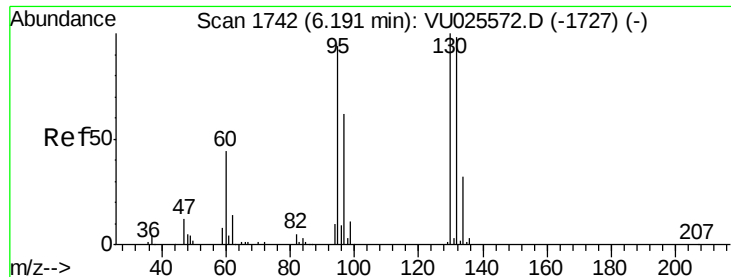
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 172497
Ion Ratio Lower Upper
117 100
119 95.6 76.6 114.8



#33
Benzene
Concen: 48.563 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025594.D
Acq: 21 Jul 2018 19:05
Tgt Ion: 78 Resp: 434920

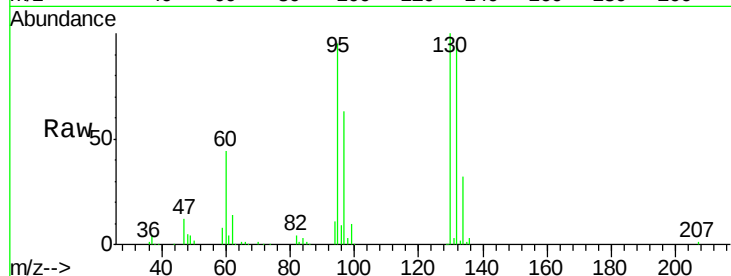




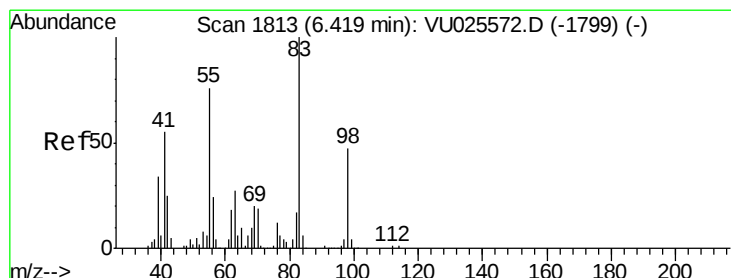
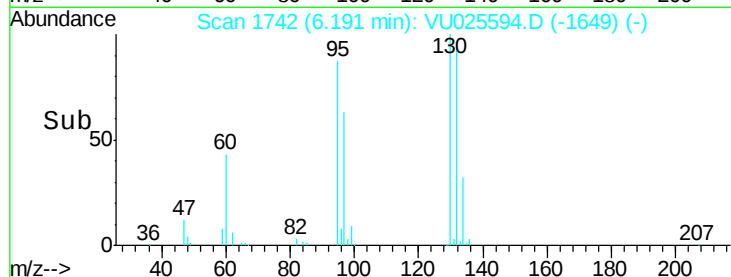
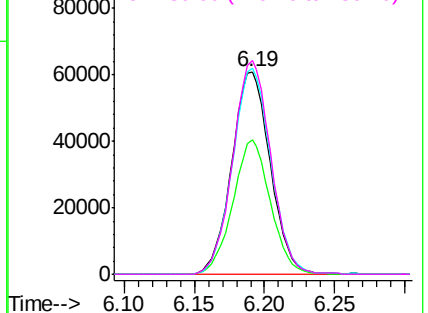
#34
 Trichloroethene
 Concen: 49.148 ug/L
 RT: 6.19 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VU025594.D
 Acq: 21 Jul 2018 19:05

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	95	Resp:	116789
Ion	Ratio	Lower	Upper
95	100		
97	66.7	45.9	85.3
132	101.8	72.2	134.2
130	105.6	74.9	139.1

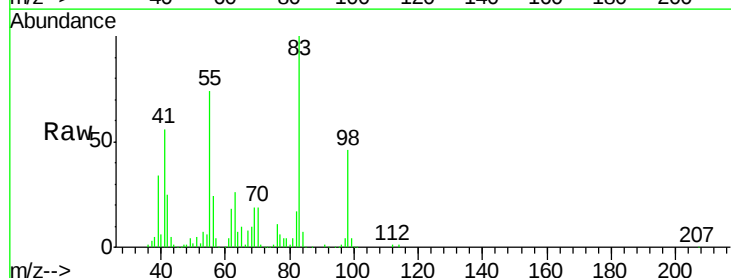


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

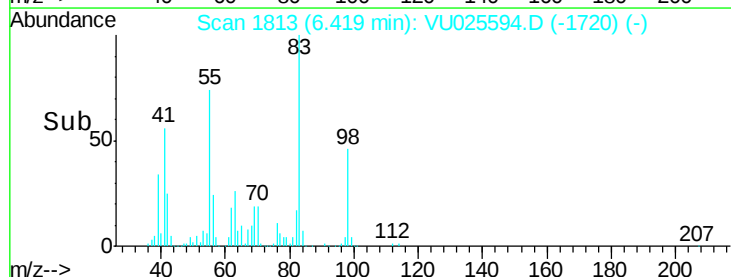
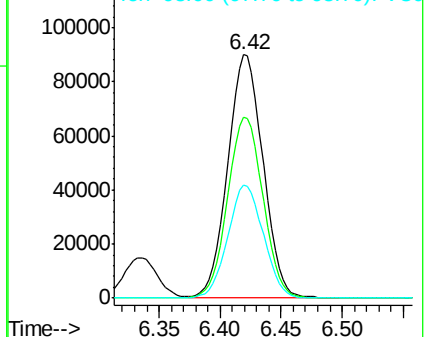


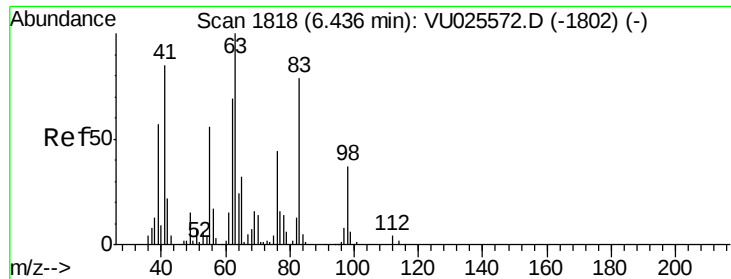
#35
 Methylcyclohexane
 Concen: 47.467 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU025594.D
 Acq: 21 Jul 2018 19:05

Tgt Ion:	83	Resp:	181871
Ion	Ratio	Lower	Upper
83	100		
55	74.4	61.1	91.7
98	46.7	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

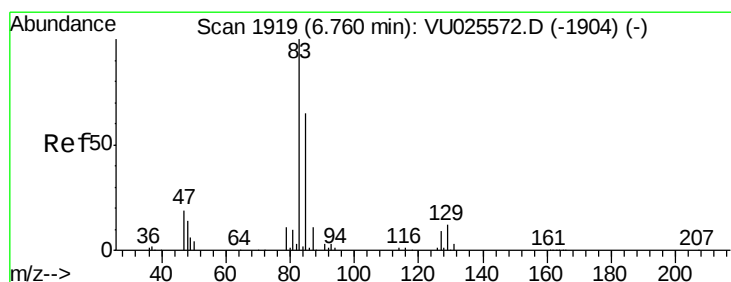
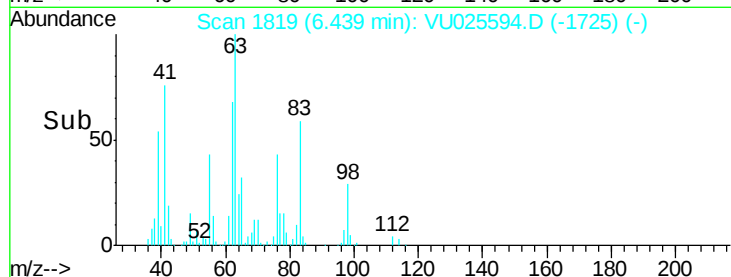
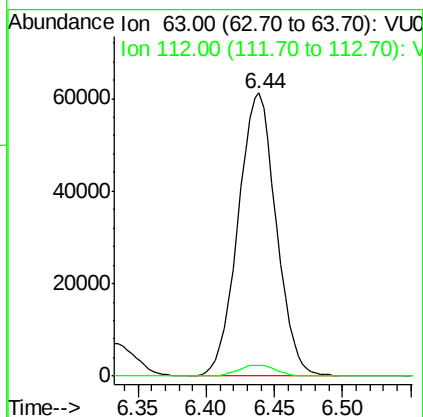
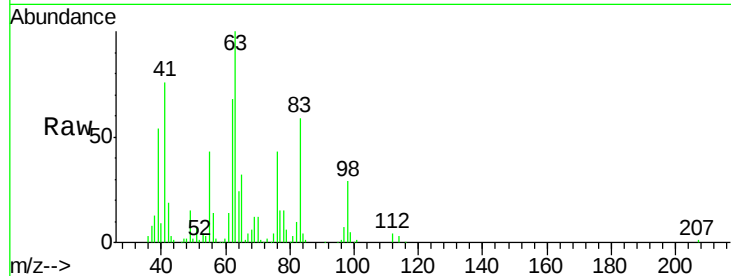




#37
 1,2-Dichloropropane
 Concen: 48.599 ug/L
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU025594.D
 Acq: 21 Jul 2018 19:05

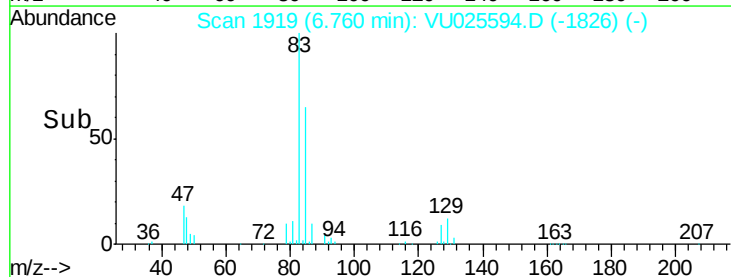
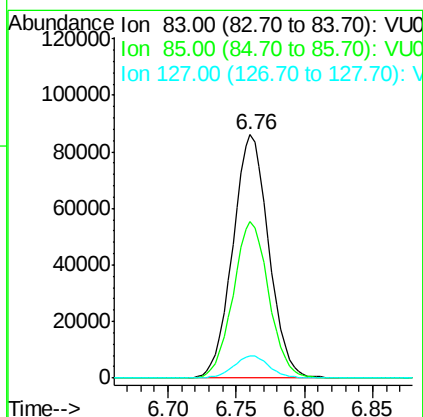
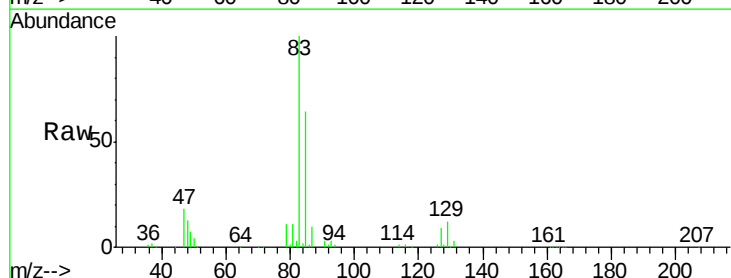
Instrument :
 MSVOA_U
 ClientSampleId :

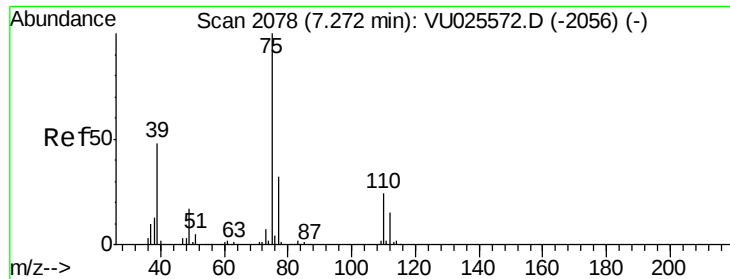
Tot Ion: 63 Resp: 118937
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.3 4.9



#38
 Bromodichloromethane
 Concen: 48.762 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU025594.D
 Acq: 21 Jul 2018 19:05

Tgt Ion: 83 Resp: 157342
 Ion Ratio Lower Upper
 83 100
 85 64.1 46.7 86.7
 127 9.0 8.0 12.0

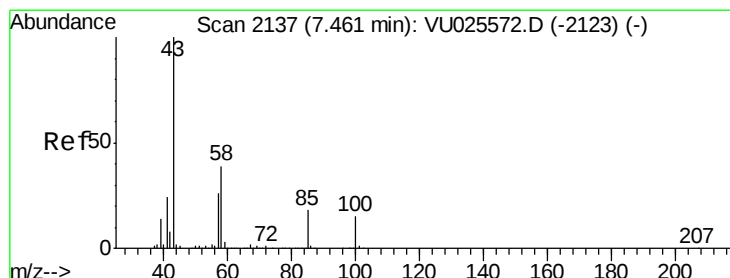
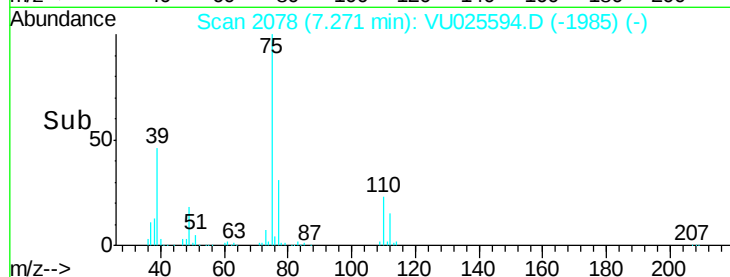
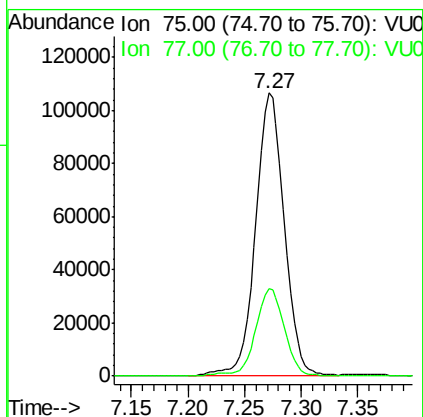
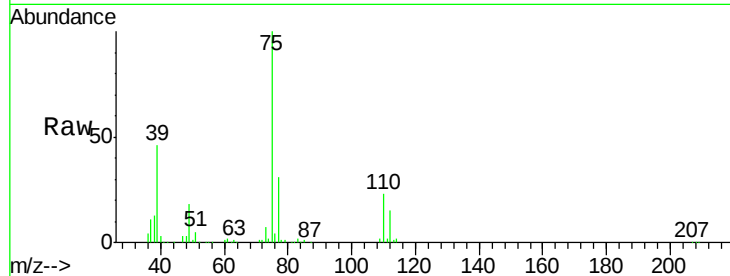




#39
 cis-1,3-Dichloropropene
 Concen: 49.692 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU025594.D
 Acq: 21 Jul 2018 19:05

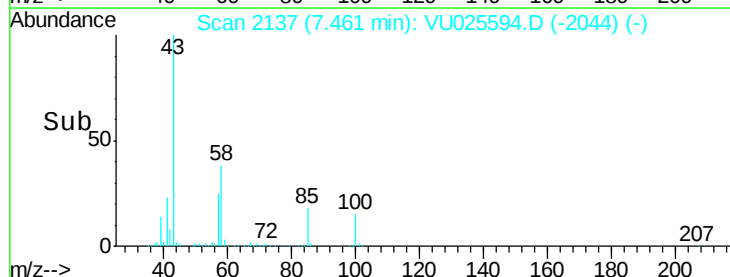
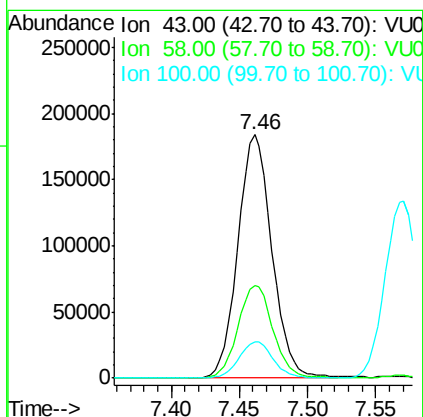
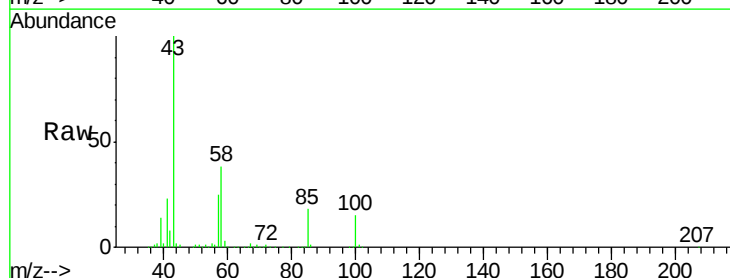
Instrument :
 MSVOA_U
 ClientSampled :

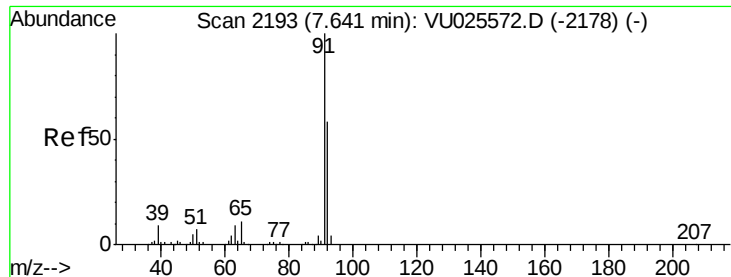
Tot Ion: 75 Resp: 188729
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 99.061 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU025594.D
 Acq: 21 Jul 2018 19:05

Tgt Ion: 43 Resp: 318369
 Ion Ratio Lower Upper
 43 100
 58 39.1 30.8 46.2
 100 15.0 12.1 18.1





#42

Toluene

Concen: 49.198 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025594.D

Acq: 21 Jul 2018 19:05

Instrument :

MSVOA_U

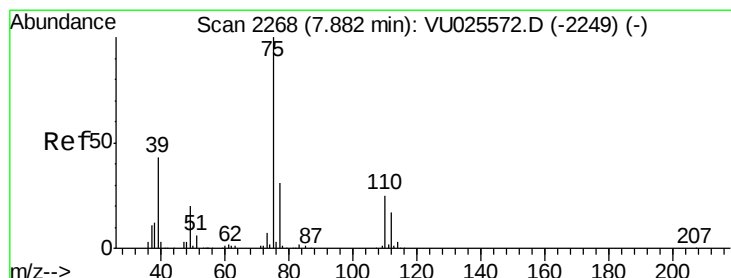
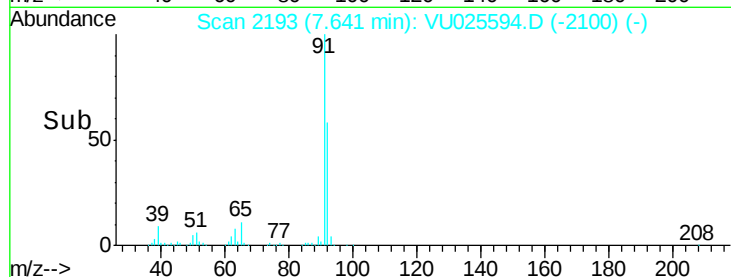
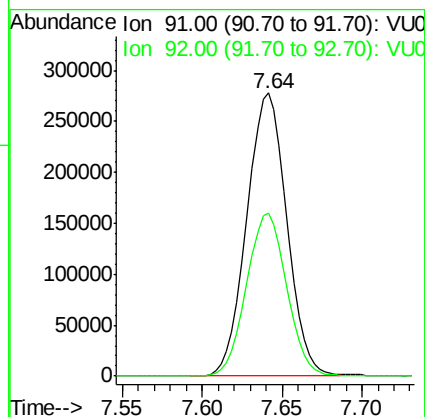
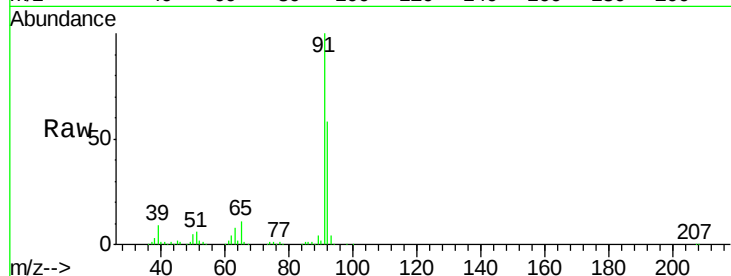
ClientSampled :

Tot Ion: 91 Resp: 475164

Ion Ratio Lower Upper

91 100

92 57.6 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 49.209 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025594.D

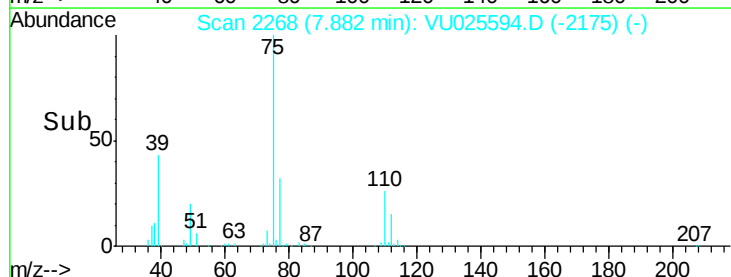
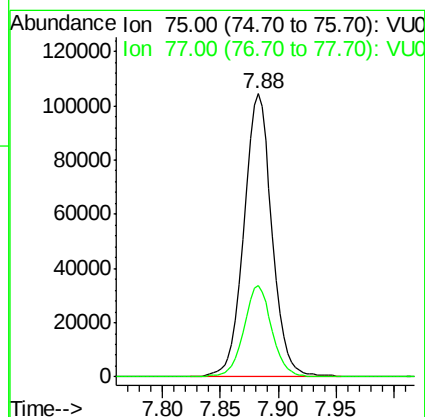
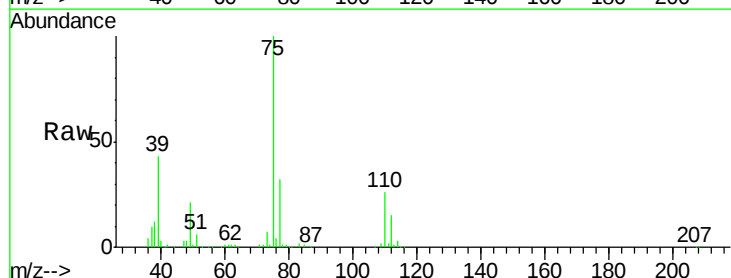
Acq: 21 Jul 2018 19:05

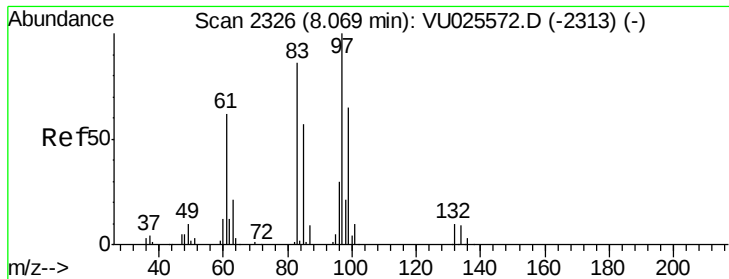
Tgt Ion: 75 Resp: 176217

Ion Ratio Lower Upper

75 100

77 32.1 22.2 41.2

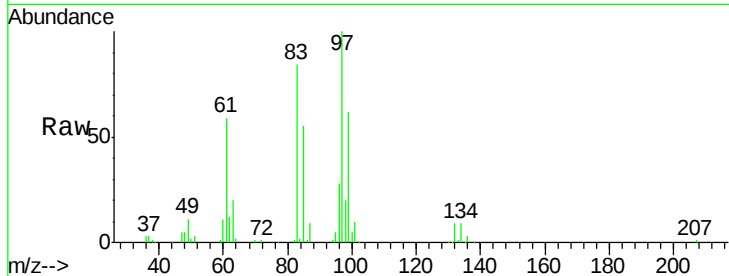




#45
 1,1,2-Trichloroethane
 Concen: 49.156 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU025594.D
 Acq: 21 Jul 2018 19:05

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	97	Resp:	115393
Ion	Ratio	Lower	Upper
97	100		
99	62.2	44.3	82.3
83	84.0	59.8	111.1
85	54.8	37.9	70.5



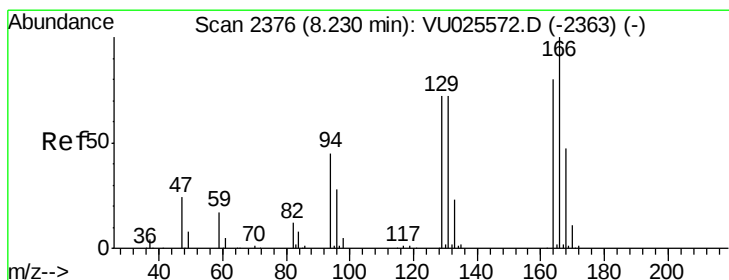
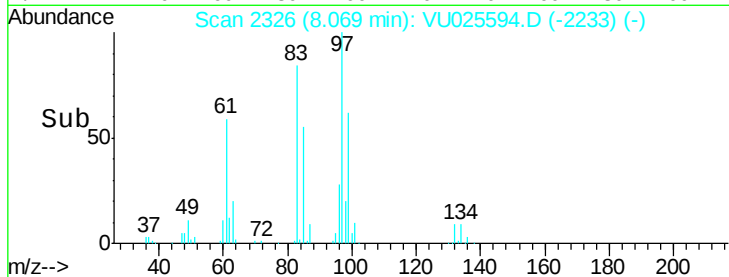
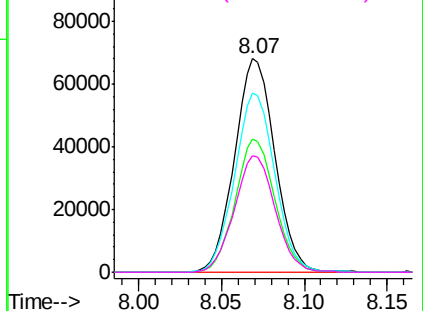
Abundance

Ion 97.00 (96.70 to 97.70): VU025594.D (-2233) (-)

Ion 99.00 (98.70 to 99.70): VU025594.D (-2233) (-)

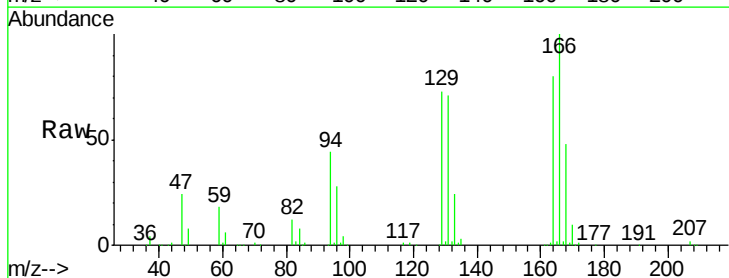
Ion 83.00 (82.70 to 83.70): VU025594.D (-2233) (-)

Ion 85.00 (84.70 to 85.70): VU025594.D (-2233) (-)



#46
 Tetrachloroethene
 Concen: 49.561 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU025594.D
 Acq: 21 Jul 2018 19:05

Tgt Ion:	164	Resp:	102098
Ion	Ratio	Lower	Upper
164	100		
129	91.2	65.1	120.9
131	89.3	62.8	116.6
166	125.2	89.7	166.7



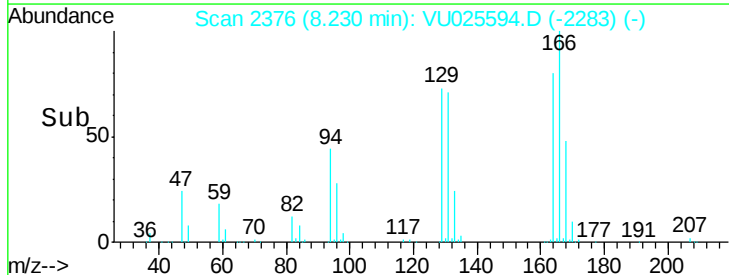
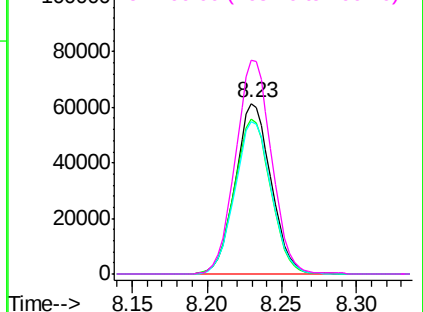
Abundance

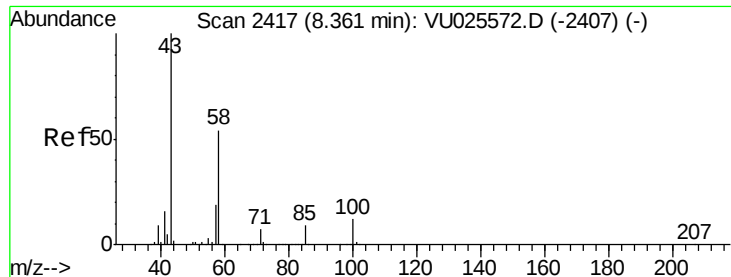
Ion 164.00 (163.70 to 164.70): VU025594.D (-2283) (-)

Ion 129.00 (128.70 to 129.70): VU025594.D (-2283) (-)

Ion 131.00 (130.70 to 131.70): VU025594.D (-2283) (-)

Ion 166.00 (165.70 to 166.70): VU025594.D (-2283) (-)

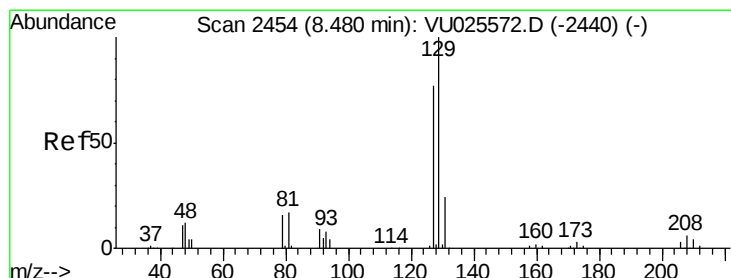
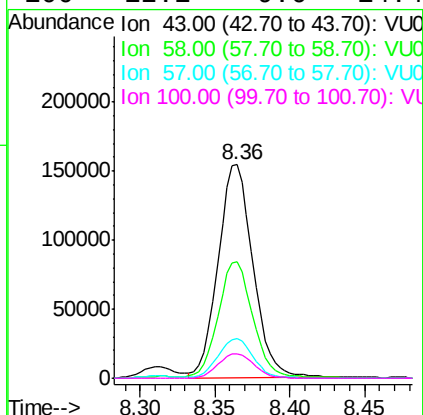
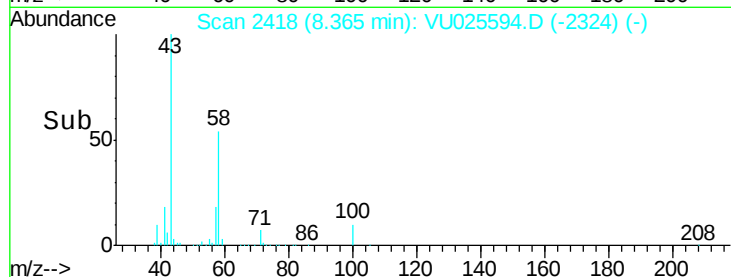
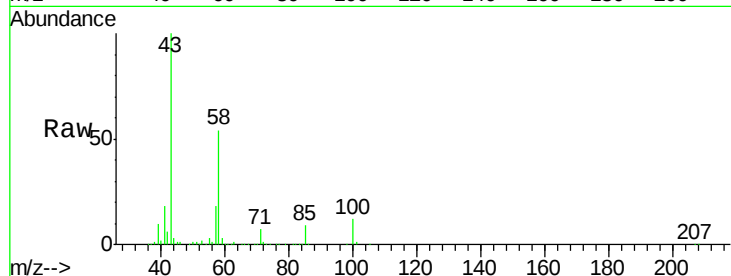




#48
2-Hexanone
Concen: 92.061 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025594.D
Acq: 21 Jul 2018 19:05

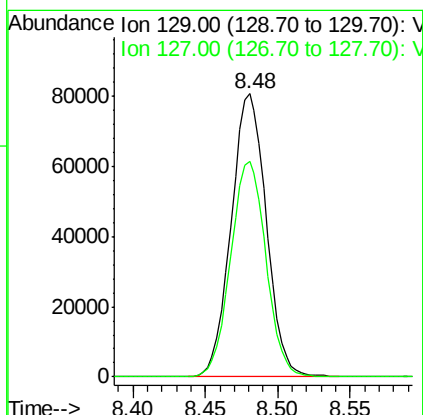
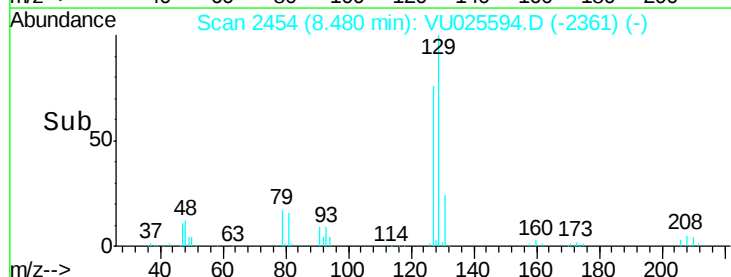
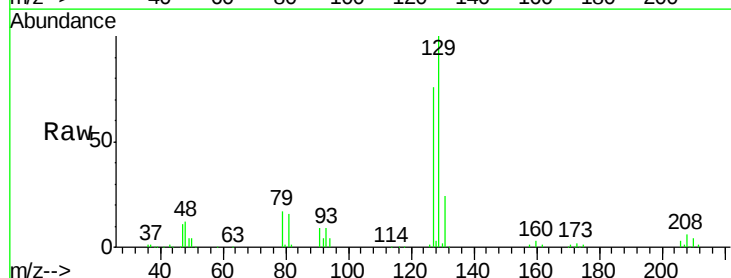
Instrument :
MSVOA_U
ClientSampleId :

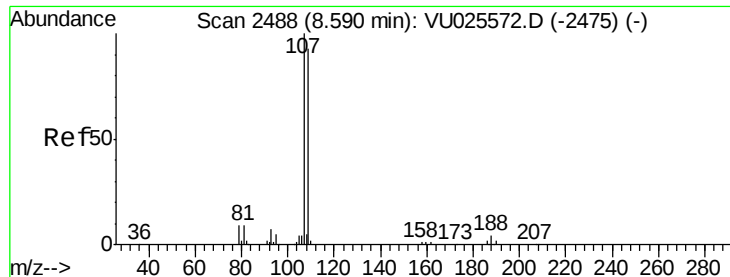
Tot Ion: 43 Resp: 250007
Ion Ratio Lower Upper
43 100
58 54.4 42.9 64.3
57 18.8 15.4 23.2
100 12.1 9.6 14.4



#49
Dibromochloromethane
Concen: 49.354 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025594.D
Acq: 21 Jul 2018 19:05

Tgt Ion: 129 Resp: 135907
Ion Ratio Lower Upper
129 100
127 76.3 53.8 100.0

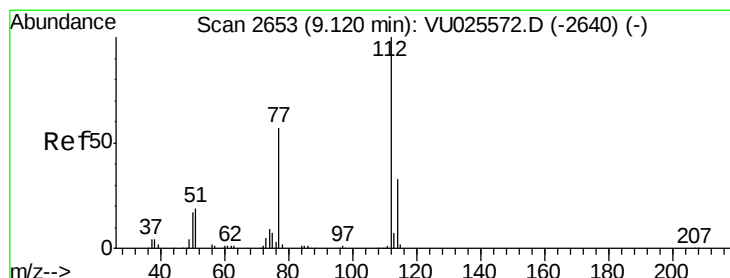
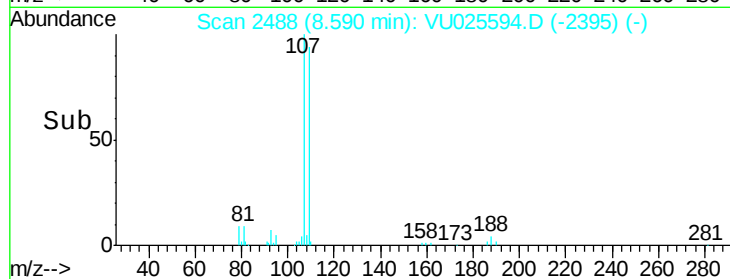
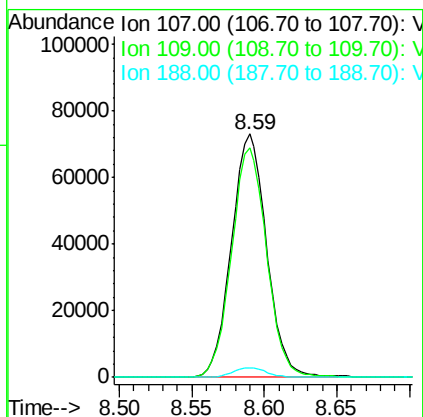
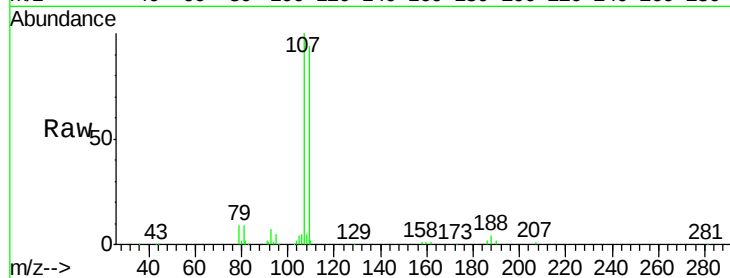




#50
1,2-Dibromoethane
Concen: 48.747 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. -0.00 min
Lab File: VU025594.D
Acq: 21 Jul 2018 19:05

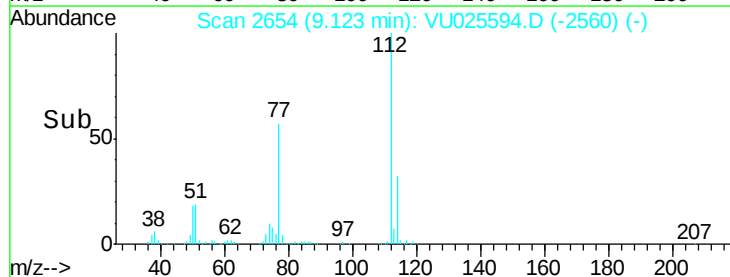
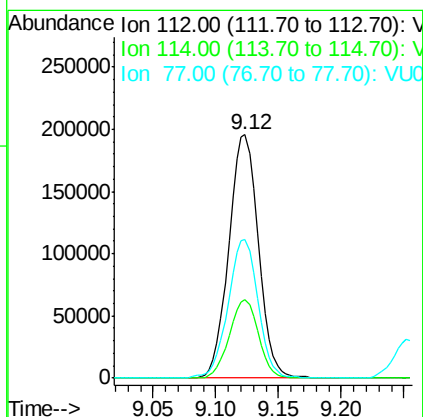
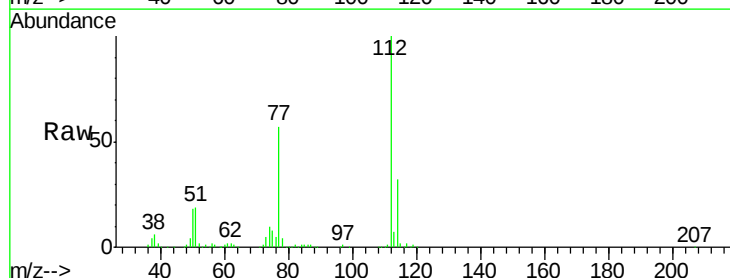
Instrument :
MSVOA_U
ClientSampleId :

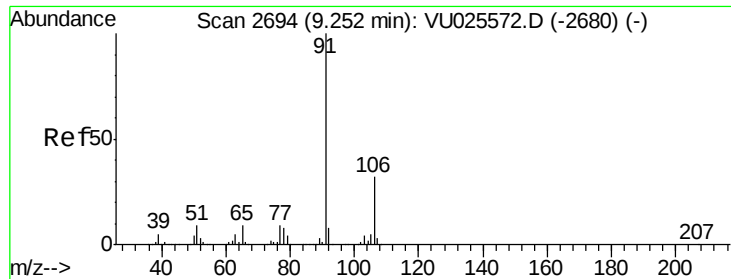
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	66.6	123.8
188	3.8	3.2	4.8



#51
Chlorobenzene
Concen: 49.347 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025594.D
Acq: 21 Jul 2018 19:05

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.5	41.9
77	57.0	45.8	68.8





#52

Ethylbenzene

Concen: 50.520 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU025594.D

Acq: 21 Jul 2018 19:05

Instrument :

MSVOA_U

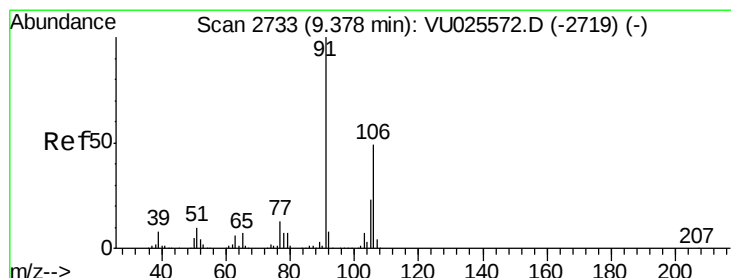
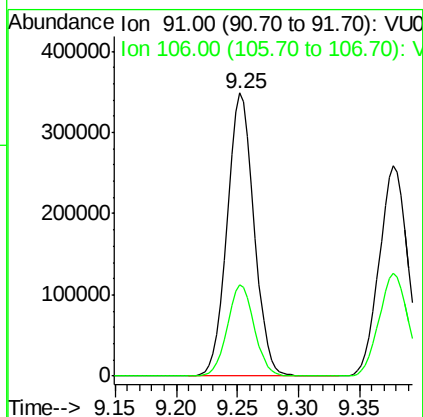
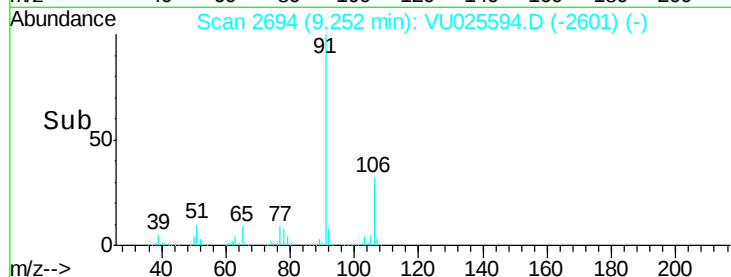
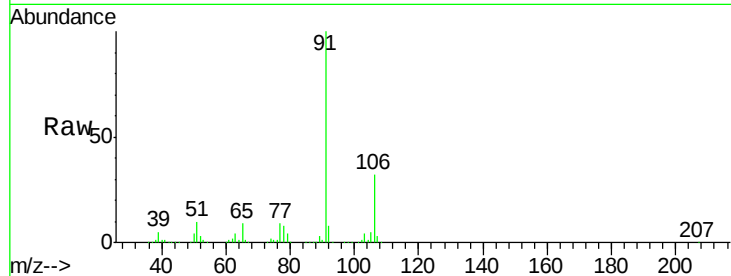
ClientSampleId :

Tot Ion: 91 Resp: 538530

Ion Ratio Lower Upper

91 100

106 32.2 22.3 41.5



#53

m,p-Xylene

Concen: 51.210 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU025594.D

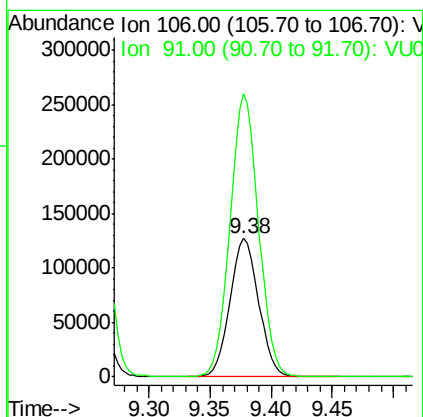
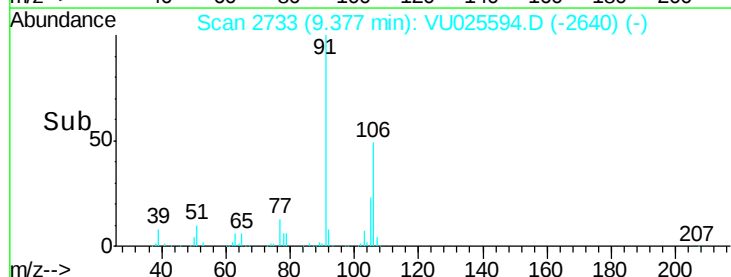
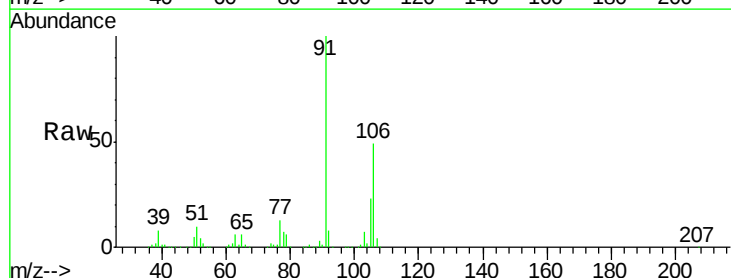
Acq: 21 Jul 2018 19:05

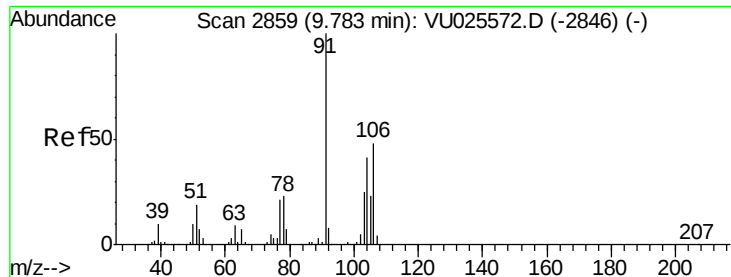
Tgt Ion: 106 Resp: 209094

Ion Ratio Lower Upper

106 100

91 204.7 141.7 263.3





#54

o-xylene

Concen: 49.802 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU025594.D

Acq: 21 Jul 2018 19:05

Instrument :

MSVOA_U

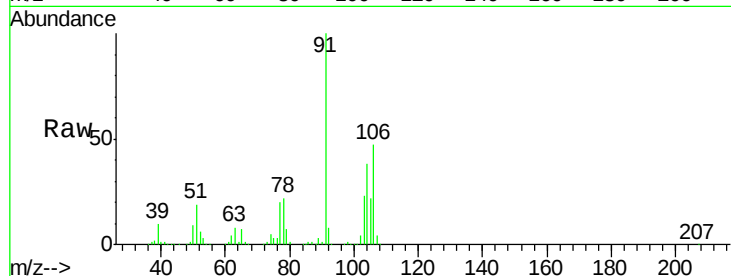
ClientSampled :

Tot Ion:106 Resp: 206335

Ion Ratio Lower Upper

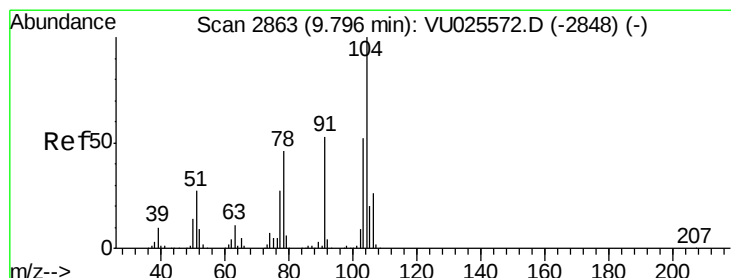
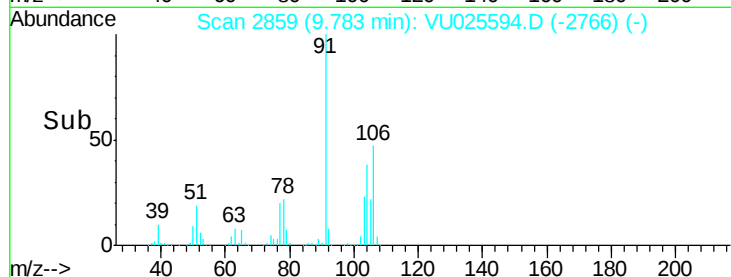
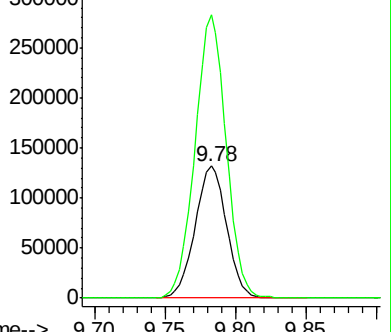
106 100

91 214.1 150.6 279.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.684 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU025594.D

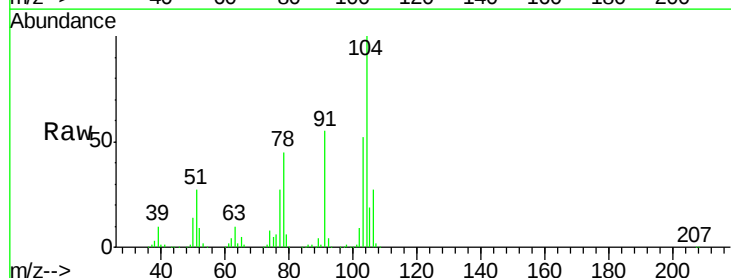
Acq: 21 Jul 2018 19:05

Tgt Ion:104 Resp: 348761

Ion Ratio Lower Upper

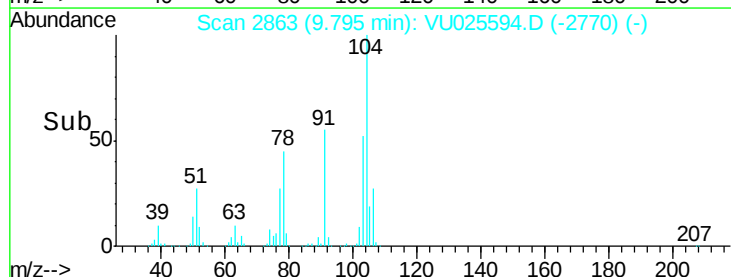
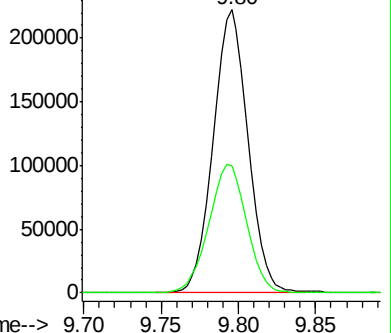
104 100

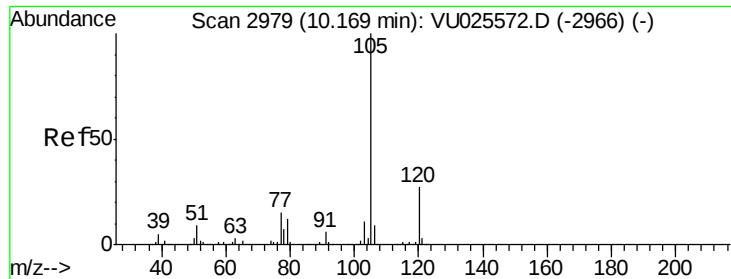
78 45.2 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 51.073 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025594.D

Acq: 21 Jul 2018 19:05

Instrument :

MSVOA_U

ClientSampleId :

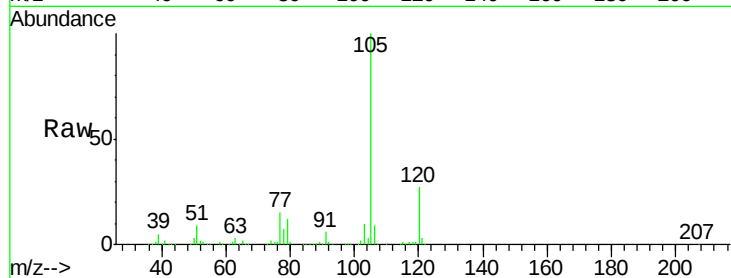
Tot Ion:105 Resp: 546087

Ion Ratio Lower Upper

105 100

120 26.8 21.7 32.5

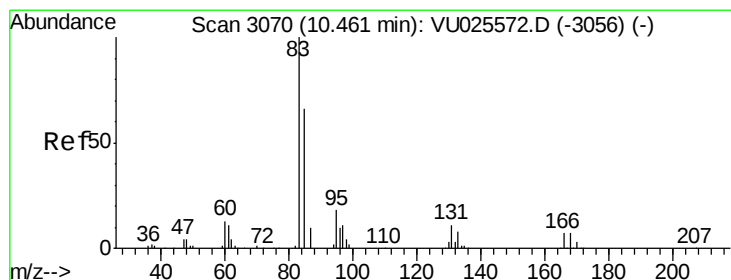
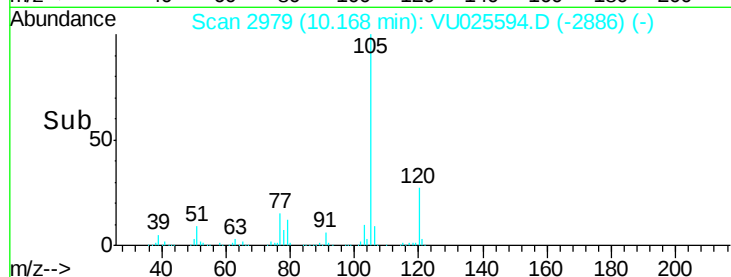
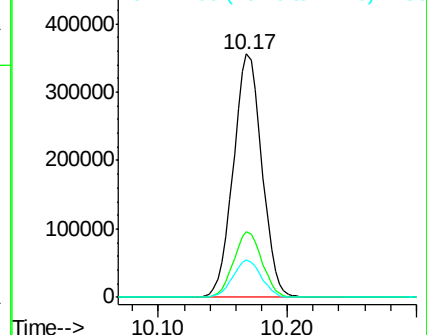
77 15.3 12.4 18.6



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: 48.806 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. -0.00 min

Lab File: VU025594.D

Acq: 21 Jul 2018 19:05

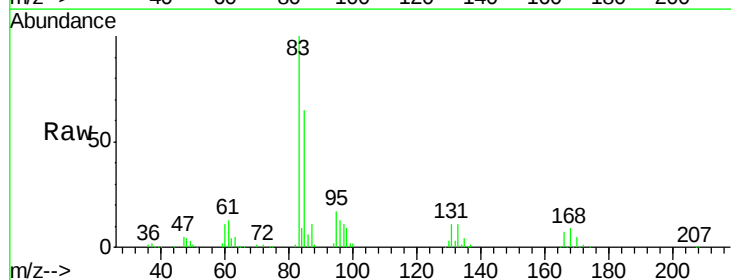
Tgt Ion: 83 Resp: 184805

Ion Ratio Lower Upper

83 100

85 64.6 45.1 83.7

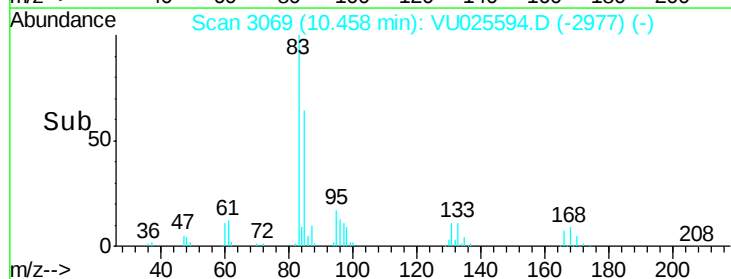
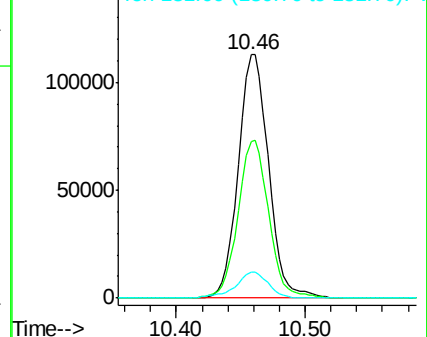
131 10.8 8.7 13.1

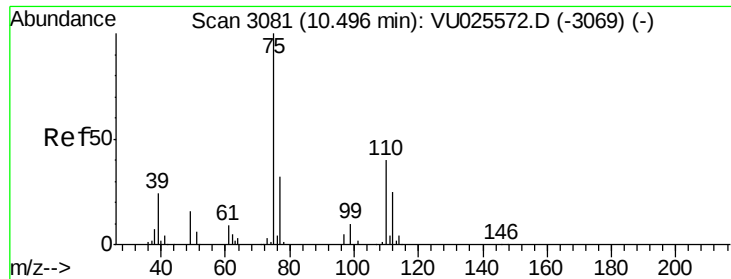


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

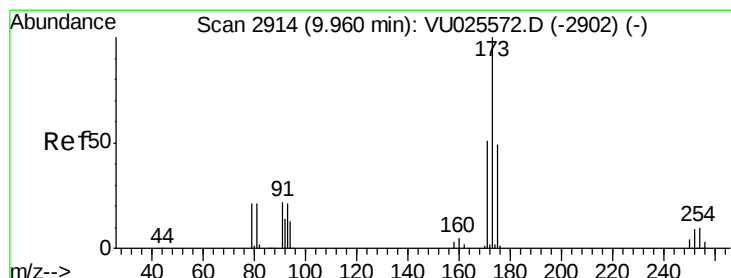
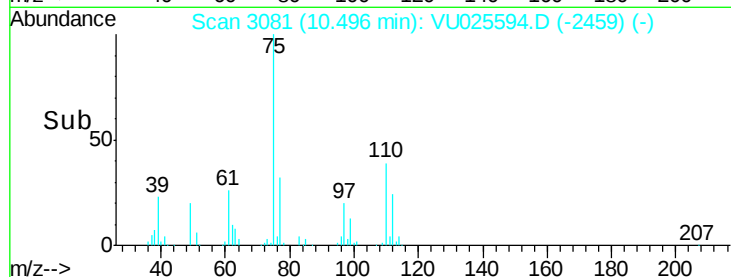
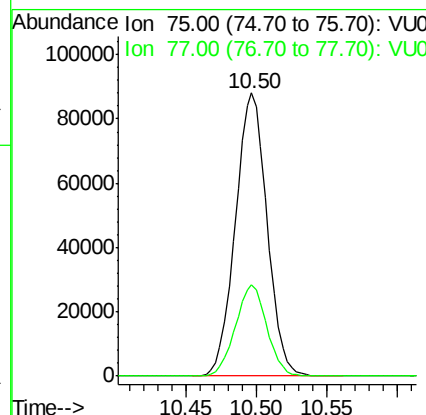
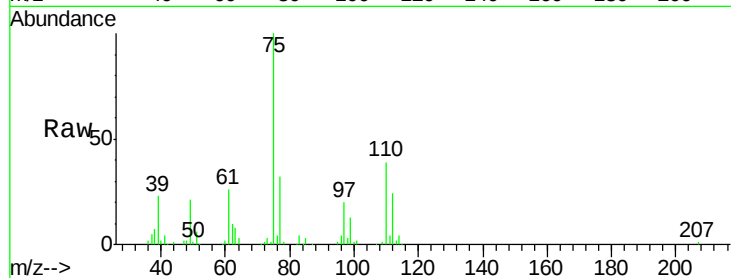




#59
 1,2,3-Trichloropropane
 Concen: 48.143 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU025594.D
 Acq: 21 Jul 2018 19:05

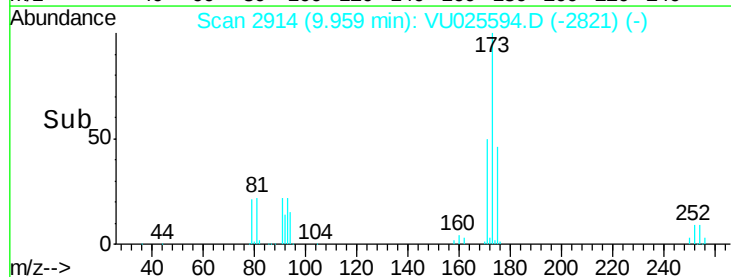
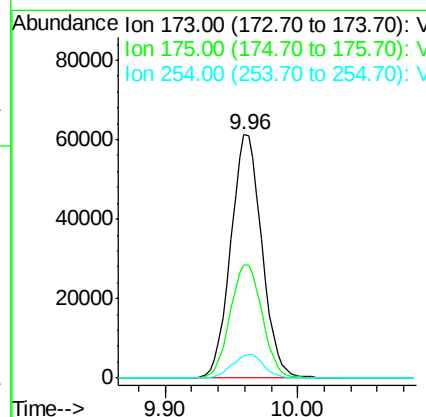
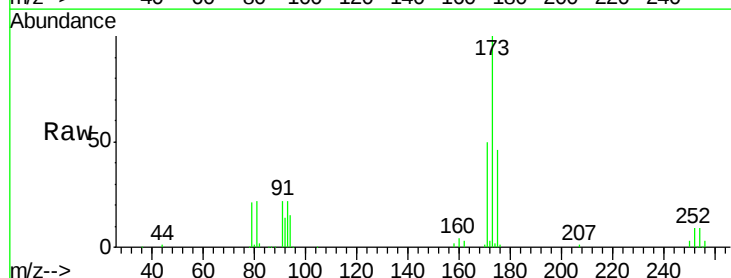
Instrument :
 MSVOA_U
 ClientSampleId :

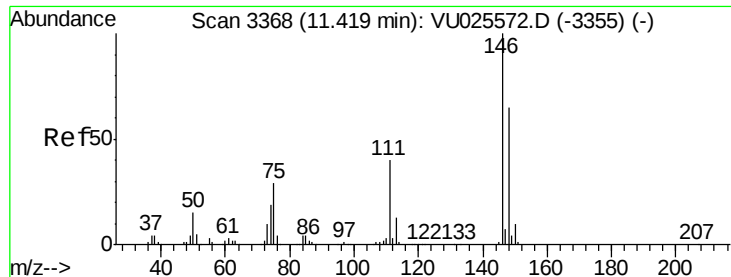
Tot Ion: 75 Resp: 138391
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.8 38.8



#61
 Bromoform
 Concen: 45.059 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. -0.00 min
 Lab File: VU025594.D
 Acq: 21 Jul 2018 19:05

Tgt Ion: 173 Resp: 99858
 Ion Ratio Lower Upper
 173 100
 175 48.1 39.8 59.8
 254 9.7 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 48.905 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU025594.D

Acq: 21 Jul 2018 19:05

Instrument :

MSVOA_U

ClientSampleId :

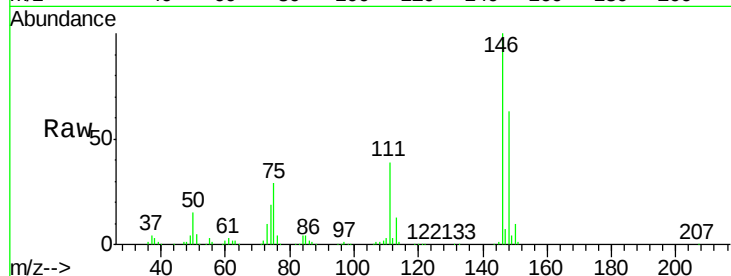
Tot Ion:146 Resp: 265044

Ion Ratio Lower Upper

146 100

111 38.8 27.7 51.5

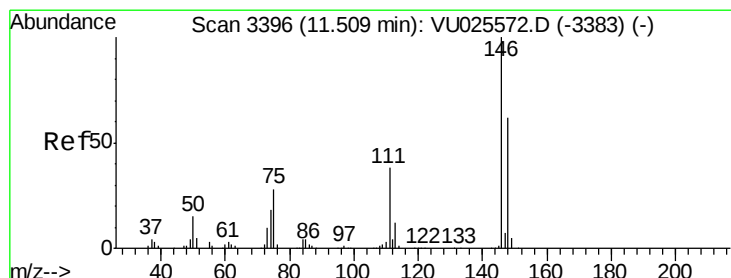
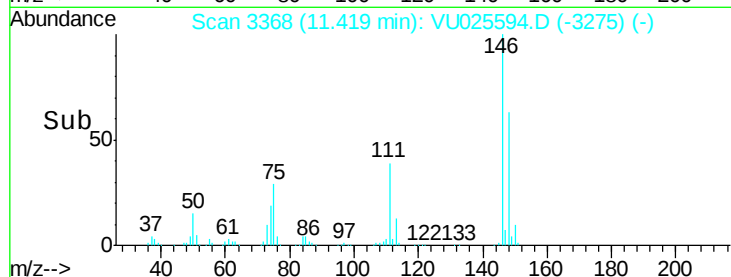
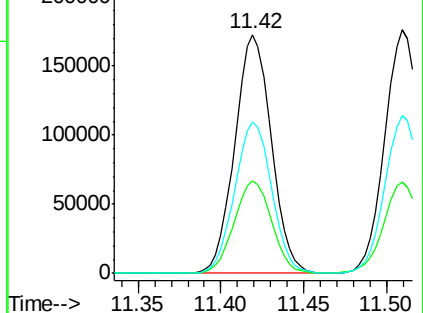
148 63.5 45.5 84.5



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: 48.630 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU025594.D

Acq: 21 Jul 2018 19:05

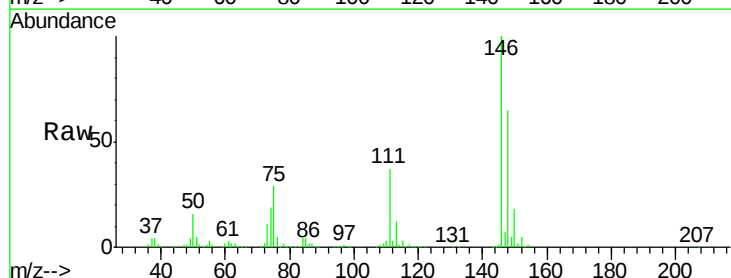
Tgt Ion:146 Resp: 269029

Ion Ratio Lower Upper

146 100

111 37.3 26.9 49.9

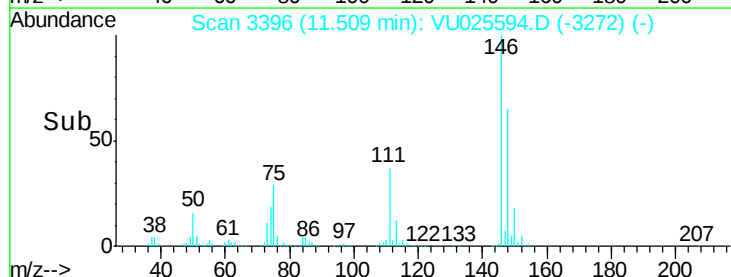
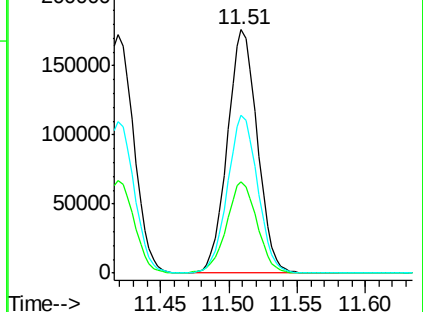
148 64.6 44.6 82.8

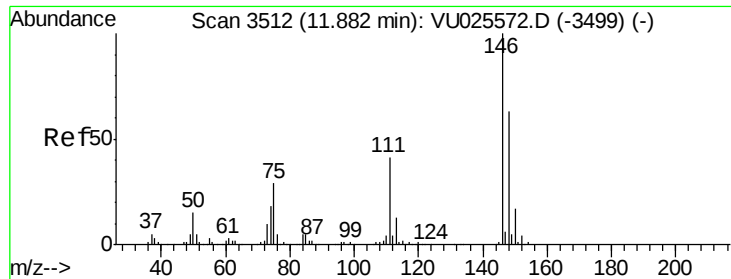


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.085 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU025594.D

Acq: 21 Jul 2018 19:05

Instrument :

MSVOA_U

ClientSampleId :

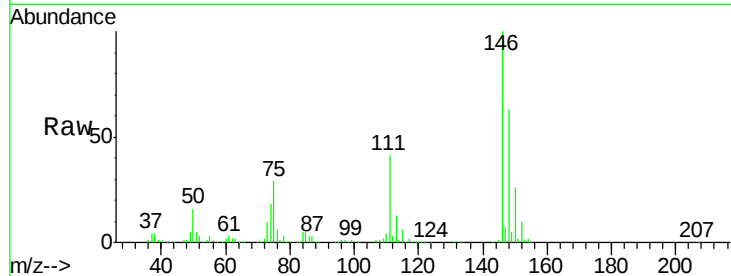
Tot Ion:146 Resp: 273016

Ion Ratio Lower Upper

146 100

111 40.6 32.4 48.6

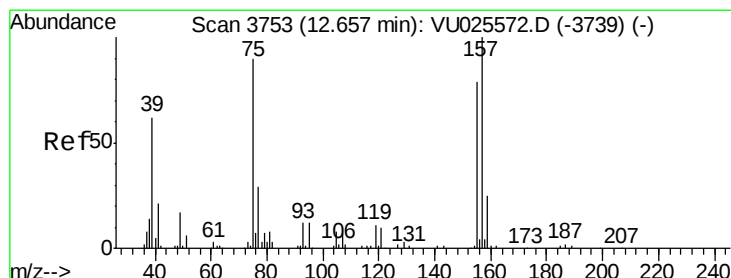
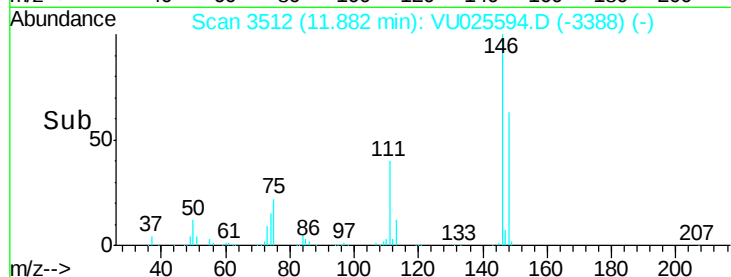
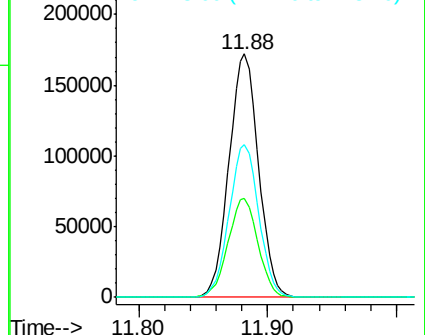
148 62.9 50.7 76.1



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



#66

1,2-Dibromo-3-chloropropane

Concen: 46.260 ug/L

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025594.D

Acq: 21 Jul 2018 19:05

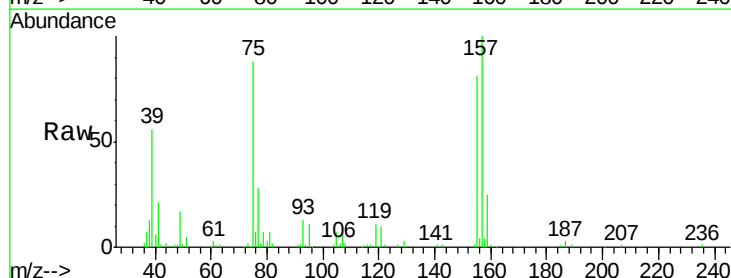
Tgt Ion: 75 Resp: 41308

Ion Ratio Lower Upper

75 100

155 91.3 66.3 99.5

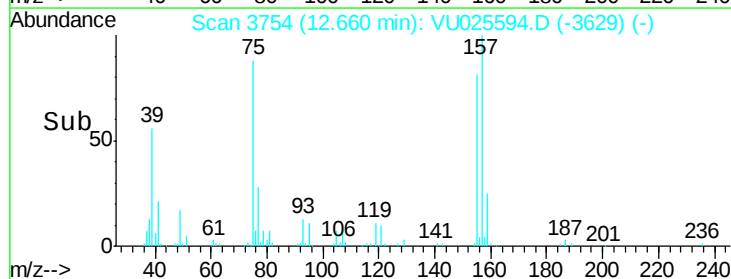
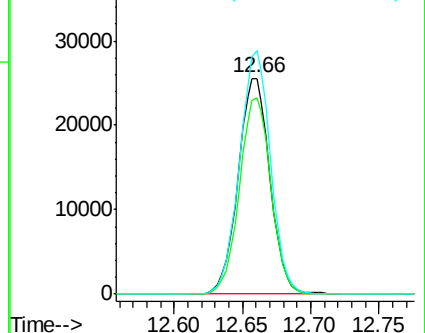
157 113.0 91.5 137.3

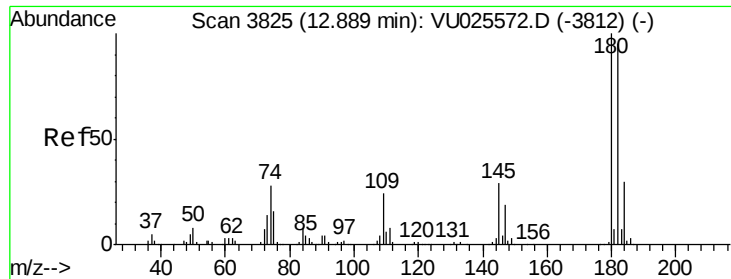


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

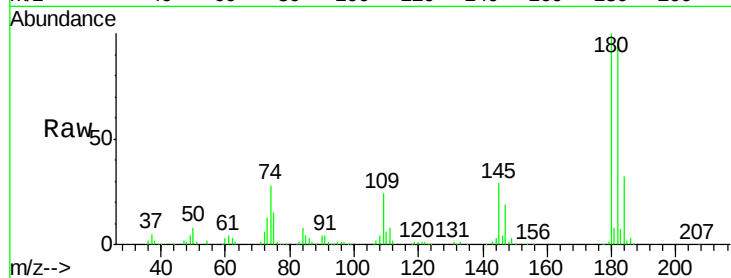




#67
 1,3,5-Trichlorobenzene
 Concen: 50.470 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU025594.D
 Acq: 21 Jul 2018 19:05

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.3	115.9
184	31.5	24.6	36.8
145	28.6	23.0	34.6



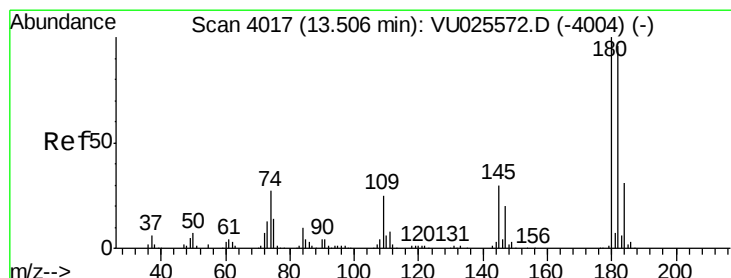
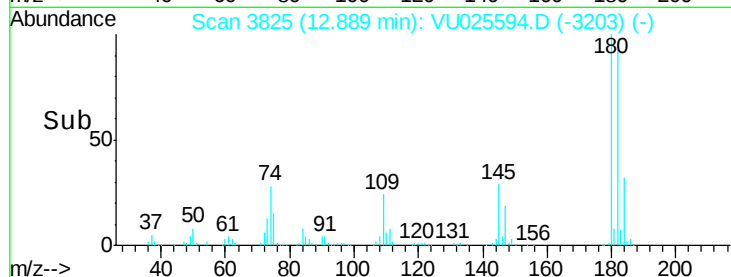
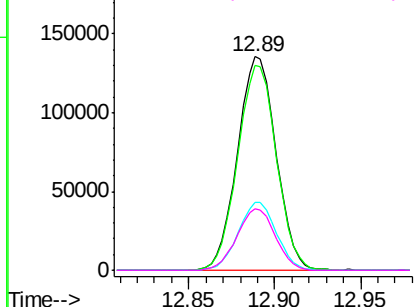
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

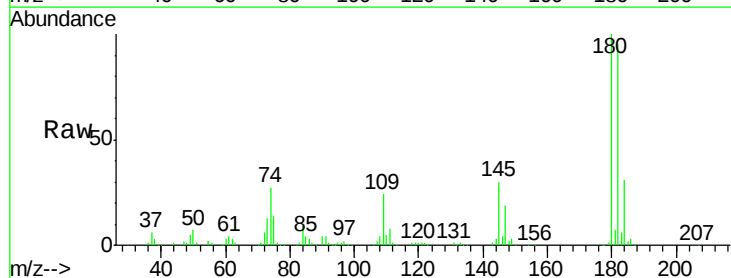
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 52.857 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025594.D
 Acq: 21 Jul 2018 19:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	78.1	117.1
145	29.0	23.4	35.2

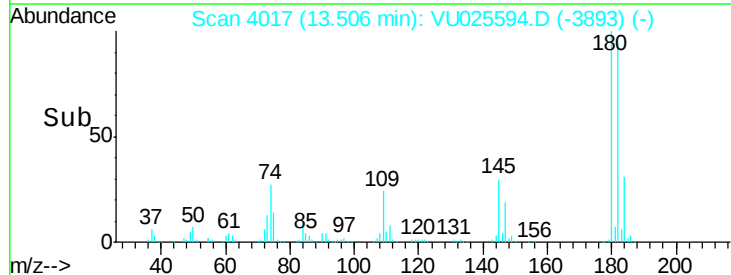
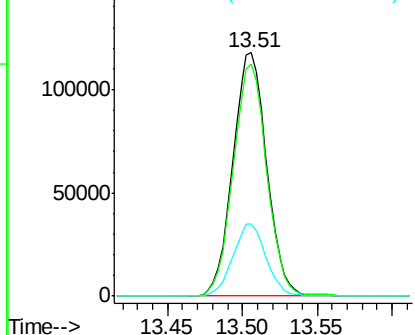


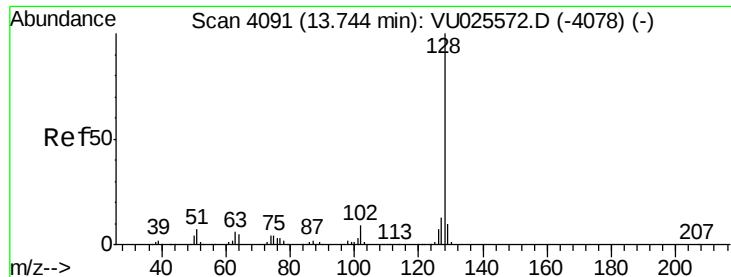
Abundance

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: 49.861 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU025594.D

Acq: 21 Jul 2018 19:05

Instrument :

MSVOA_U

ClientSampleId :

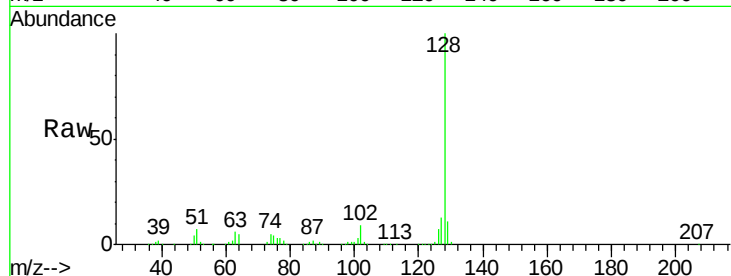
Tot Ion:128 Resp: 527180

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

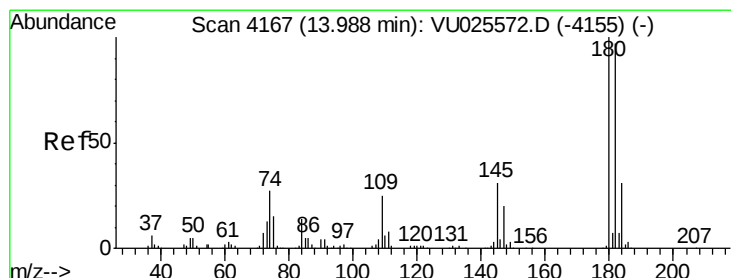
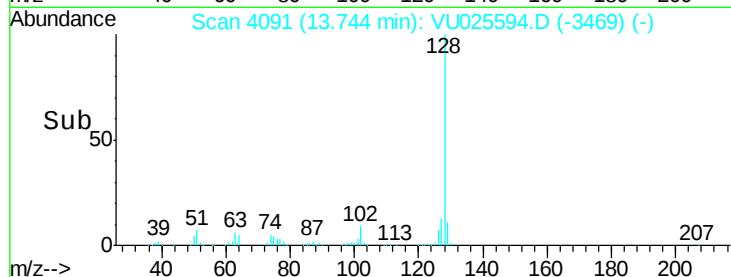
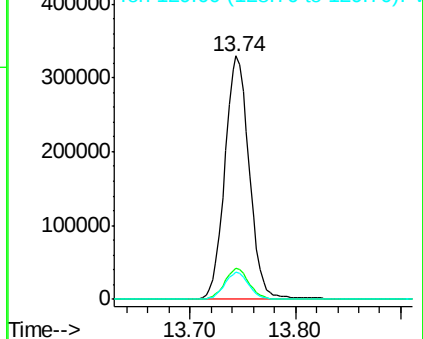
129 11.0 8.4 12.6



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: 50.836 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025594.D

Acq: 21 Jul 2018 19:05

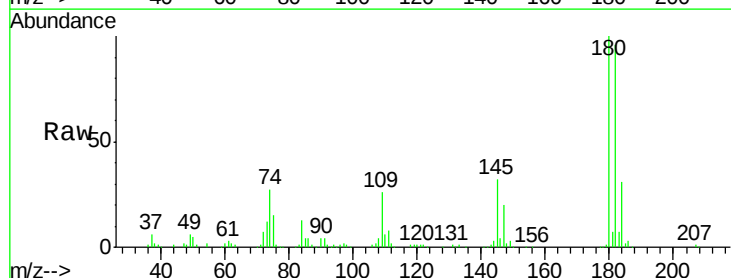
Tgt Ion:180 Resp: 188939

Ion Ratio Lower Upper

180 100

182 96.1 76.6 114.8

145 32.0 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

