

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072418\
 Data File : VU025624.D
 Acq On : 24 Jul 2018 14:39
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 25 02:27:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 25 02:26:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	318599	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	306207	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	169804	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	94330	51.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.72%
7) Chloroethane-d5	1.68	69	75846	50.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.10%
11) 1,1-Dichloroethene-d2	2.27	63	189429	50.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.06%
21) 2-Butanone-d5	4.18	46	162804	115.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.94%
24) Chloroform-d	4.65	84	208537	51.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.94%
26) 1,2-Dichloroethane-d4	5.31	65	137318	51.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.50%
32) Benzene-d6	5.35	84	396084	50.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.86%
36) 1,2-Dichloropropane-d6	6.34	67	128504	50.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.56%
41) Toluene-d8	7.57	98	382850	50.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.66%
43) trans-1,3-Dichloropropene-	7.85	79	66622	51.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.08%
47) 2-Hexanone-d5	8.31	63	118898	112.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.22%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	184615	52.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.32%
64) 1,2-Dichlorobenzene-d4	11.86	152	168375	48.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.86%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	137062	43.662	ug/L	99
3) Chloromethane	1.33	50	109994	48.519	ug/L	99
5) Vinyl chloride	1.41	62	108751	43.737	ug/L	99
6) Bromomethane	1.63	94	45901	53.084	ug/L	94
8) Chloroethane	1.70	64	63543	43.400	ug/L	98
9) Trichlorofluoromethane	1.89	101	157731	44.546	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	91694	46.244	ug/L	98
12) 1,1-Dichloroethene	2.28	96	82002	45.607	ug/L	95
13) Acetone	2.32	43	134331	81.504	ug/L	98
14) Carbon disulfide	2.48	76	253533	43.304	ug/L	99
15) Methyl Acetate	2.62	43	112481	49.369	ug/L	99
16) Methylene chloride	2.70	84	100392	44.822	ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	92300	44.586	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	314100	46.588	ug/L	99
19) 1,1-Dichloroethane	3.45	63	179478	45.576	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	106377	45.524	ug/L	92
22) 2-Butanone	4.27	43	168640	91.911	ug/L	100

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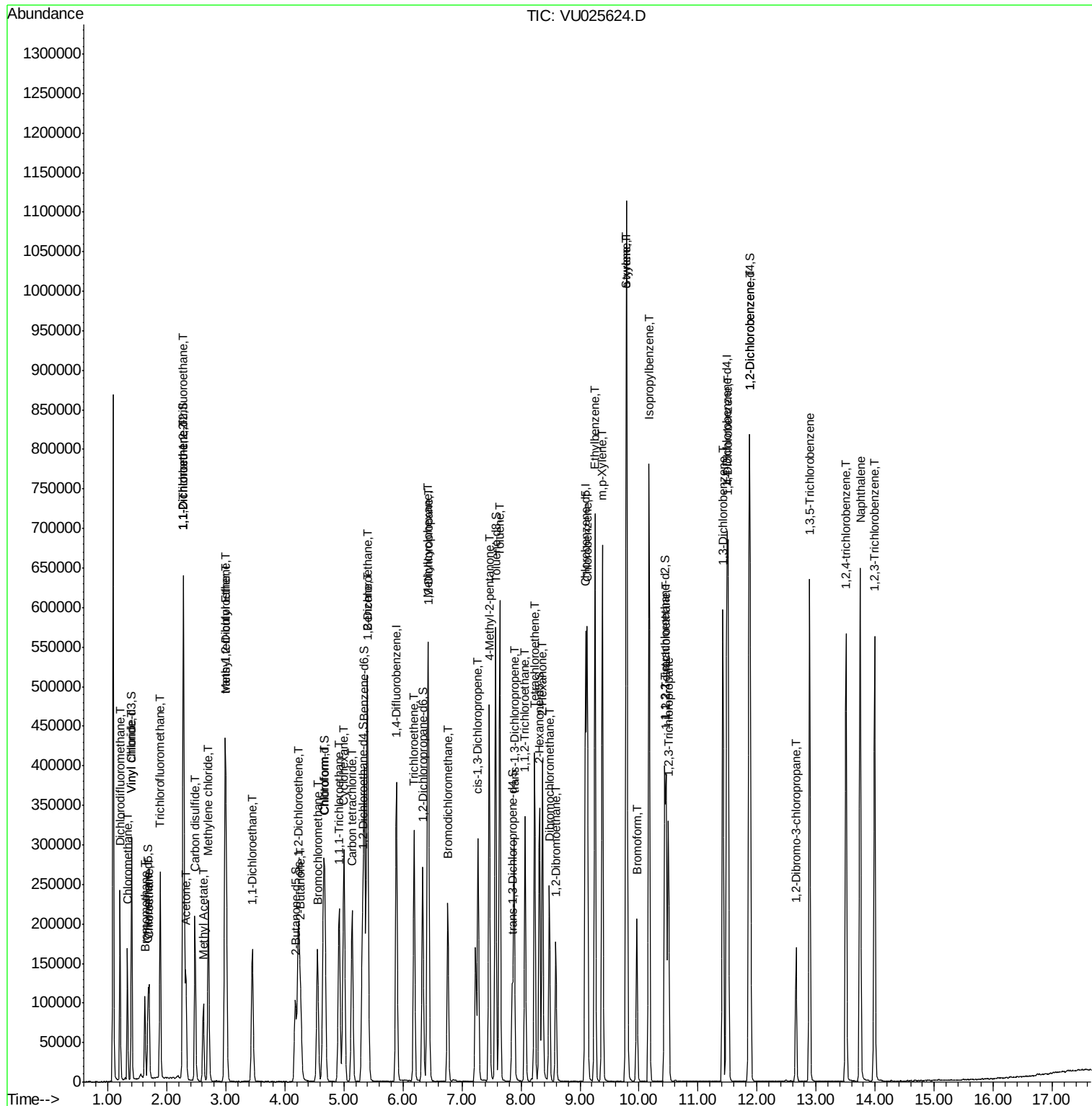
Quant Time: Jul 25 02:27:18 2018
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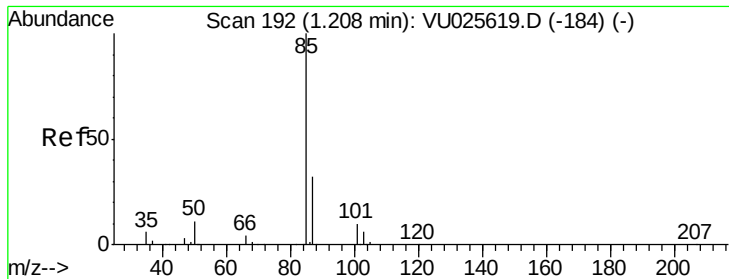
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	57853	46.906	ug/L	98
25) Chloroform	4.68	83	192188	46.380	ug/L	100
27) 1,2-Dichloroethane	5.41	62	156657	46.350	ug/L	99
29) Cyclohexane	5.00	56	157294	44.339	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	172404	44.995	ug/L	99
31) Carbon tetrachloride	5.14	117	157296	44.396	ug/L	100
33) Benzene	5.39	78	395792	44.985	ug/L	100
34) Trichloroethene	6.19	95	106647	45.684	ug/L	96
35) Methylcyclohexane	6.42	83	172167	45.739	ug/L	99
37) 1,2-Dichloropropane	6.44	63	109752	45.649	ug/L	100
38) Bromodichloromethane	6.76	83	144198	45.489	ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	173633	46.536	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	312549	98.992	ug/L	100
42) Toluene	7.64	91	436250	45.978	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	167258	47.544	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	103656	44.947	ug/L	98
46) Tetrachloroethene	8.23	164	93432	46.166	ug/L	99
48) 2-Hexanone	8.36	43	257253	96.425	ug/L	99
49) Dibromochloromethane	8.48	129	126140	46.628	ug/L	98
50) 1,2-Dibromoethane	8.59	107	114602	46.126	ug/L	98
51) Chlorobenzene	9.12	112	293242	45.907	ug/L	99
52) Ethylbenzene	9.25	91	491573	46.940	ug/L	100
53) m,p-Xylene	9.38	106	192543	48.001	ug/L	99
54) o-xylene	9.78	106	188713	46.364	ug/L	95
55) Styrene	9.80	104	320550	48.355	ug/L	97
56) Isopropylbenzene	10.17	105	500310	47.630	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	174825	46.997	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	131130	46.434	ug/L	99
61) Bromoform	9.96	173	92294	42.021	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	247275	46.037	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	252483	46.050	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	247806	44.038	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	40549	45.819	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	199982	48.235	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	175233	50.290	ug/L	99
69) Naphthalene	13.75	128	515064	49.153	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	178669	48.505	ug/L	100

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

```
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#2

Dichlorodifluoromethane

Concen: 43.662 ug/L

RT: 1.21 min Scan# 192

Delta R.T. -0.00 min

Lab File: VU025624.D

Acq: 24 Jul 2018 14:39

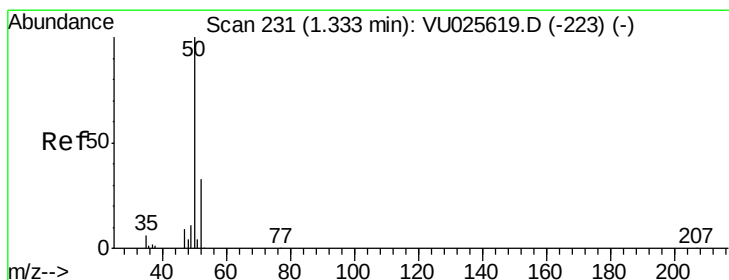
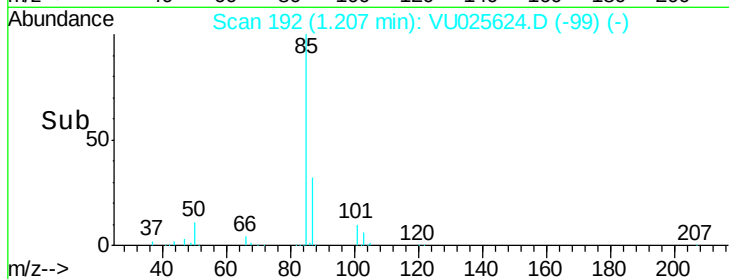
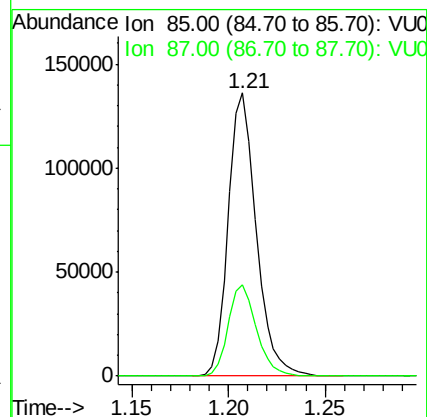
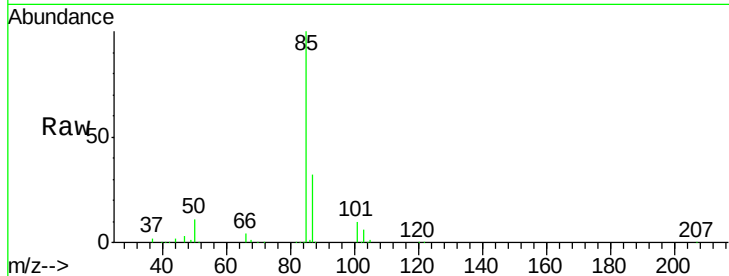
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 137062

Ion Ratio Lower Upper

85 100

87 32.4 25.6 38.4



#3

Chloromethane

Concen: 48.519 ug/L

RT: 1.33 min Scan# 231

Delta R.T. -0.00 min

Lab File: VU025624.D

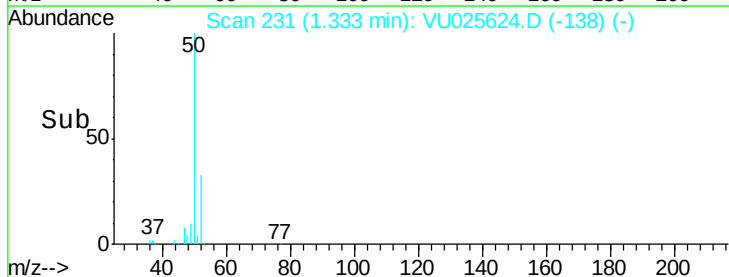
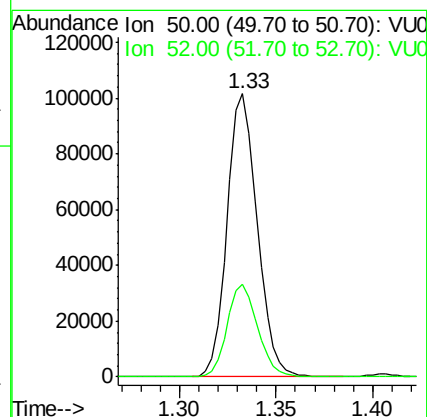
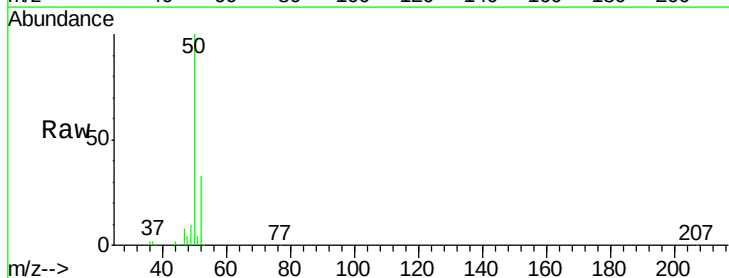
Acq: 24 Jul 2018 14:39

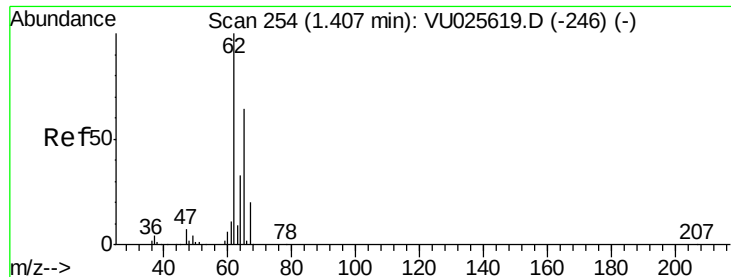
Tgt Ion: 50 Resp: 109994

Ion Ratio Lower Upper

50 100

52 32.6 23.2 43.2





#5

Vinyl chloride

Concen: 43.737 ug/L

RT: 1.41 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU025624.D

Acq: 24 Jul 2018 14:39

Instrument :

MSVOA_U

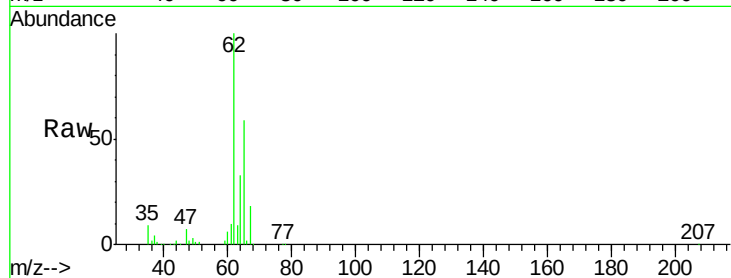
ClientSampleId :

Tot Ion: 62 Resp: 108751

Ion Ratio Lower Upper

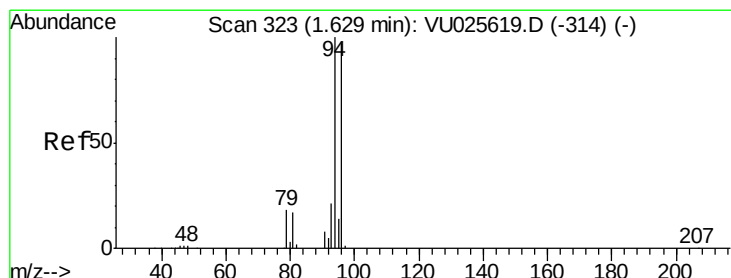
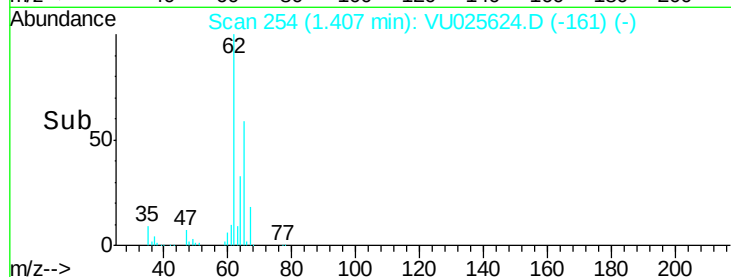
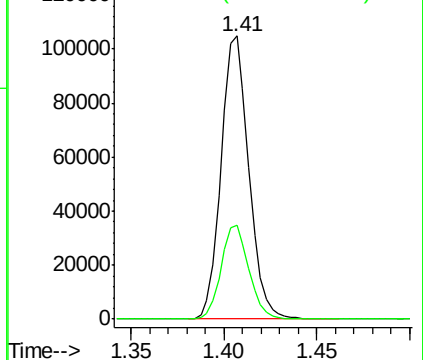
62 100

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: 53.084 ug/L

RT: 1.63 min Scan# 323

Delta R.T. -0.00 min

Lab File: VU025624.D

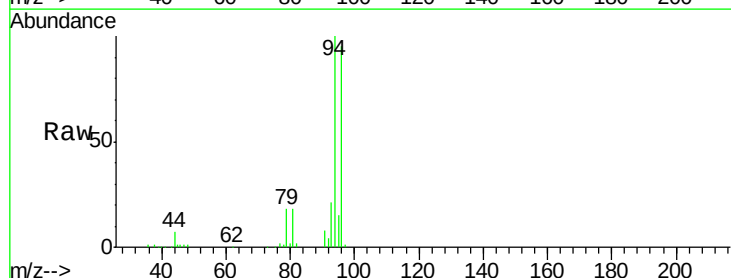
Acq: 24 Jul 2018 14:39

Tgt Ion: 94 Resp: 45901

Ion Ratio Lower Upper

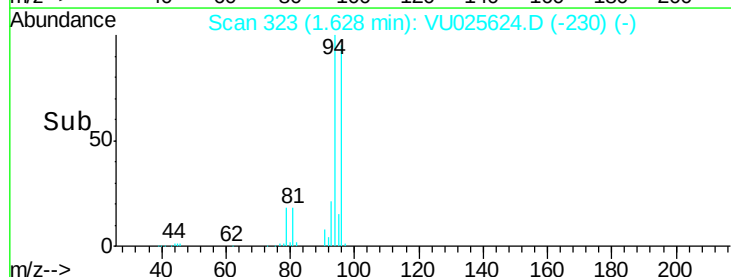
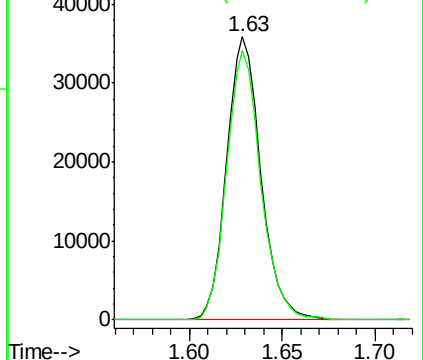
94 100

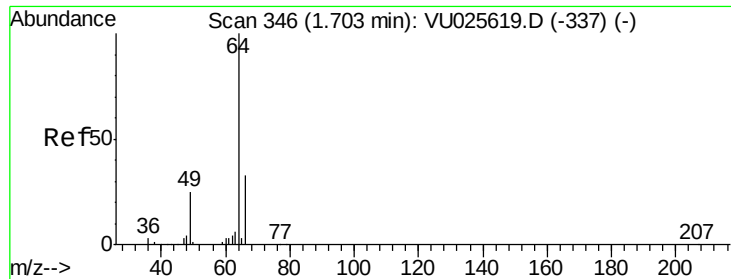
96 94.9 62.4 115.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 43.400 ug/L

RT: 1.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU025624.D

Acq: 24 Jul 2018 14:39

Instrument :

MSVOA_U

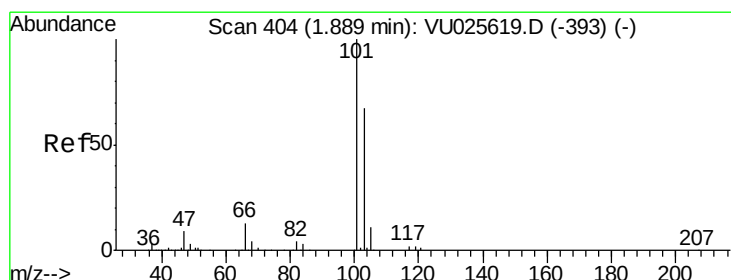
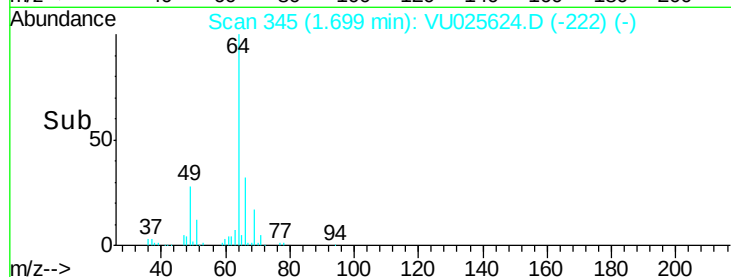
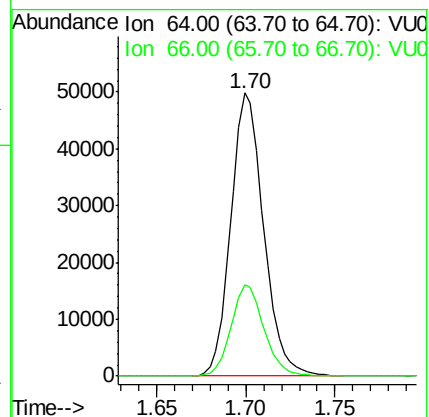
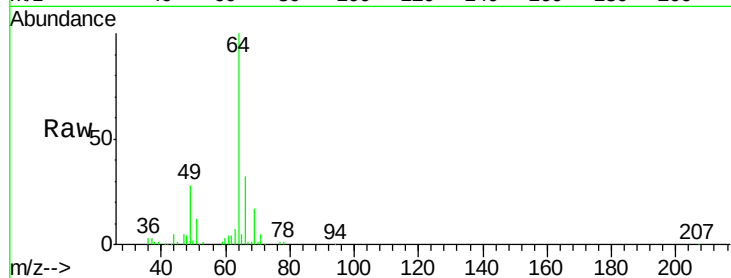
ClientSampled :

Tot Ion: 64 Resp: 63543

Ion Ratio Lower Upper

64 100

66 32.3 23.5 43.7



#9

Trichlorofluoromethane

Concen: 44.546 ug/L

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU025624.D

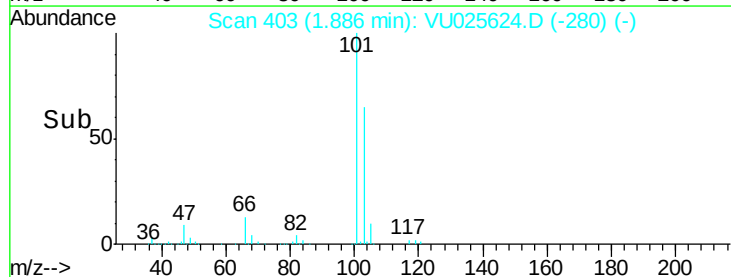
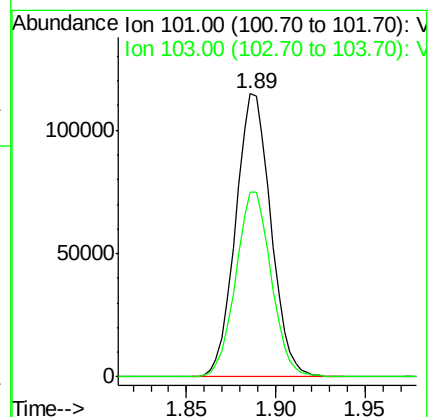
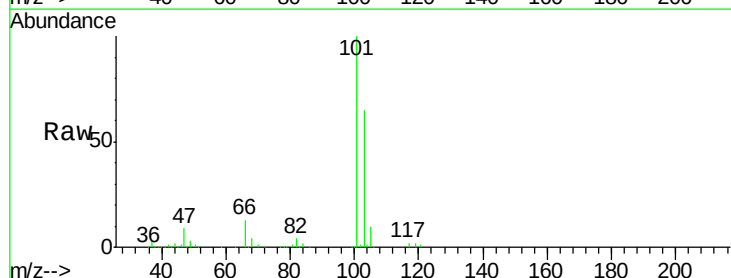
Acq: 24 Jul 2018 14:39

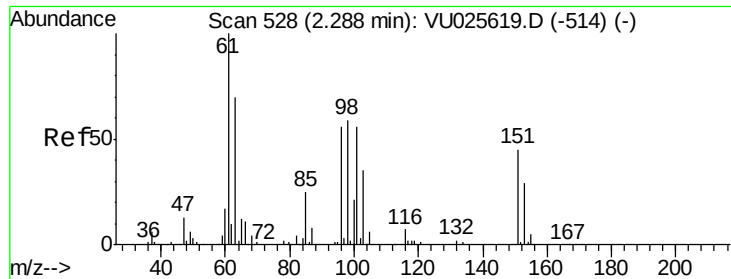
Tgt Ion: 101 Resp: 157731

Ion Ratio Lower Upper

101 100

103 65.6 52.0 78.0





#10

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

Concen: 46.244 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025624.D

Acq: 24 Jul 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

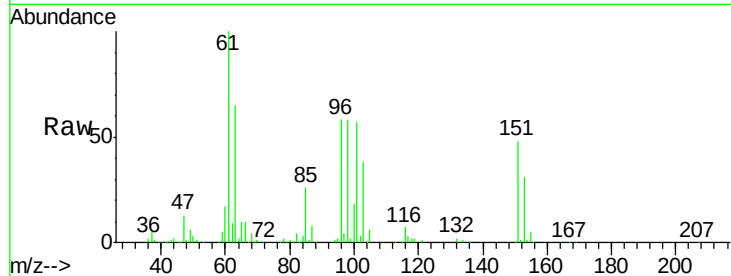
Tot Ion:101 Resp: 91694

Ion Ratio Lower Upper

101 100

85 44.2 35.5 53.3

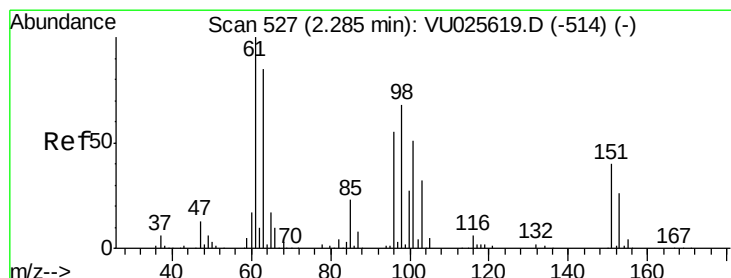
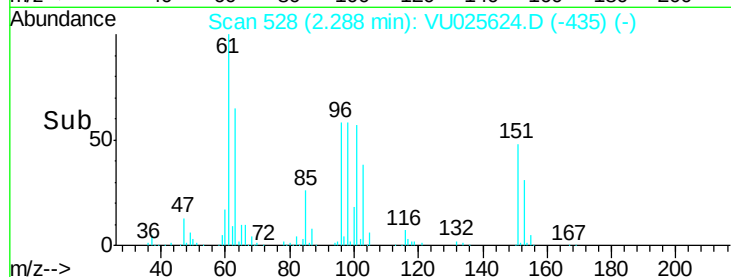
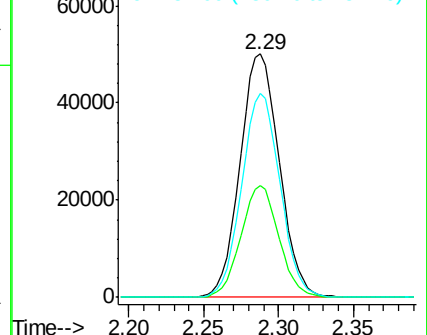
151 81.7 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 45.607 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025624.D

Acq: 24 Jul 2018 14:39

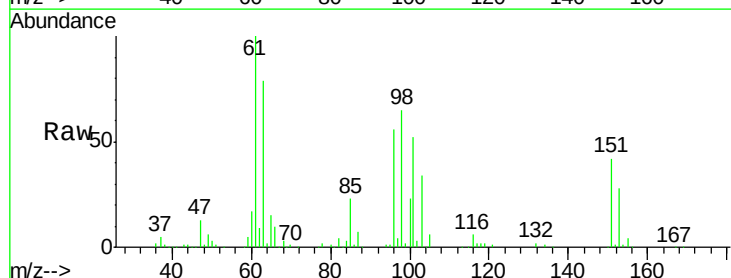
Tgt Ion: 96 Resp: 82002

Ion Ratio Lower Upper

96 100

61 177.3 122.5 227.5

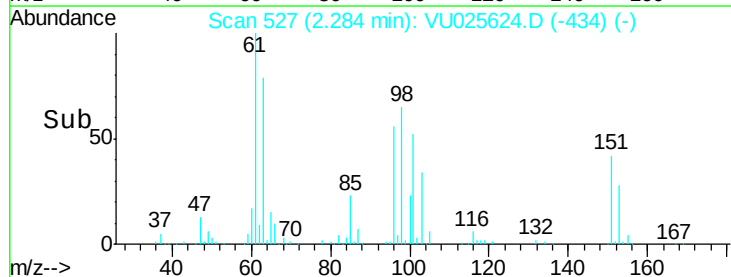
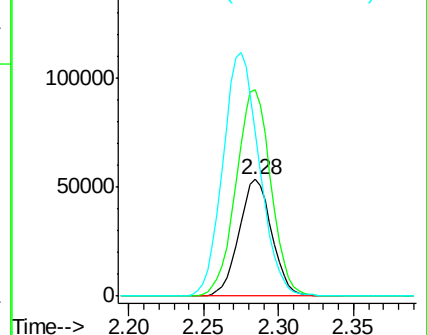
63 140.7 90.9 168.9

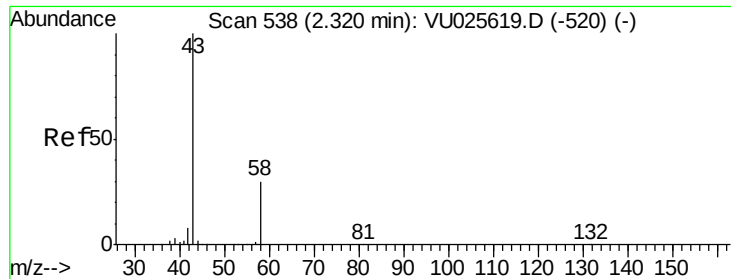


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 81.504 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025624.D

Acq: 24 Jul 2018 14:39

Instrument :

MSVOA_U

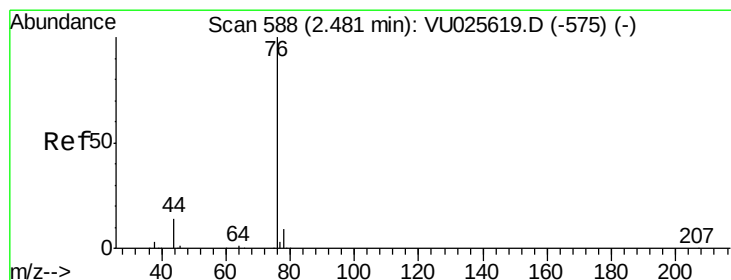
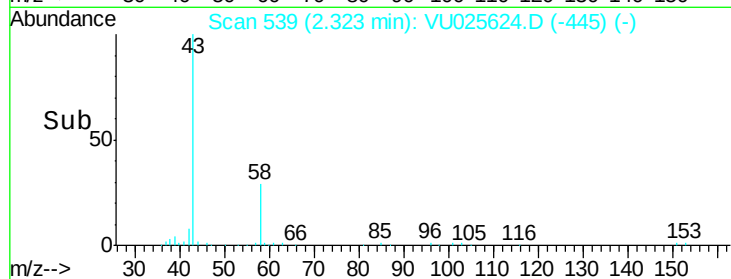
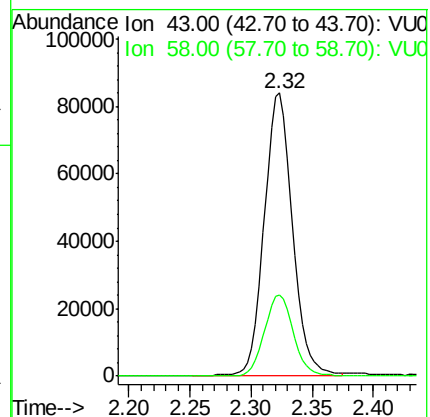
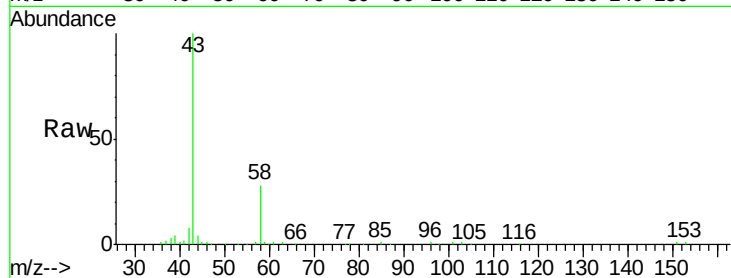
ClientSampleId :

Tot Ion: 43 Resp: 134331

Ion Ratio Lower Upper

43 100

58 29.7 0.0 61.2



#14

Carbon disulfide

Concen: 43.304 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025624.D

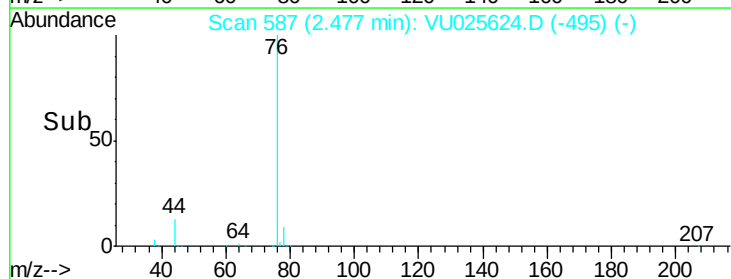
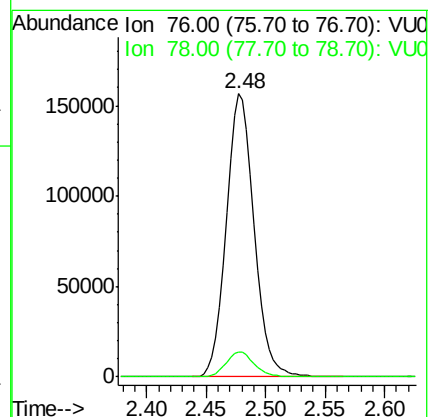
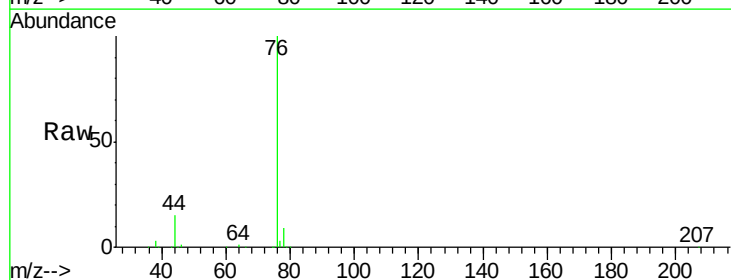
Acq: 24 Jul 2018 14:39

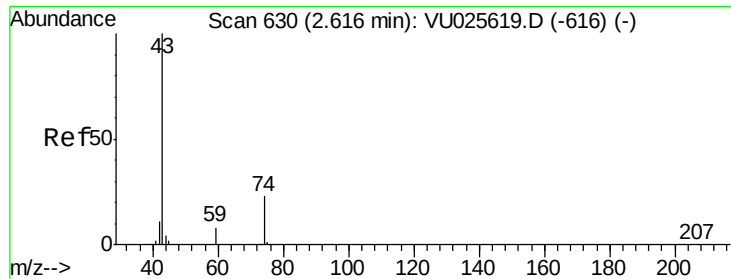
Tgt Ion: 76 Resp: 253533

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

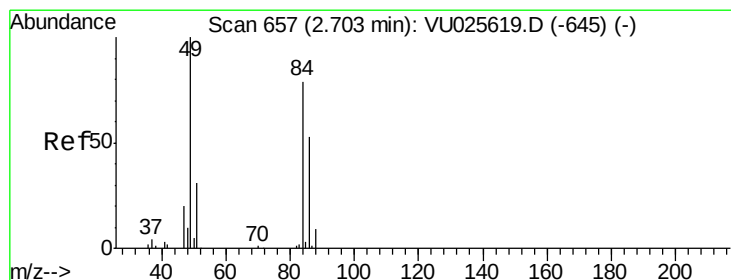
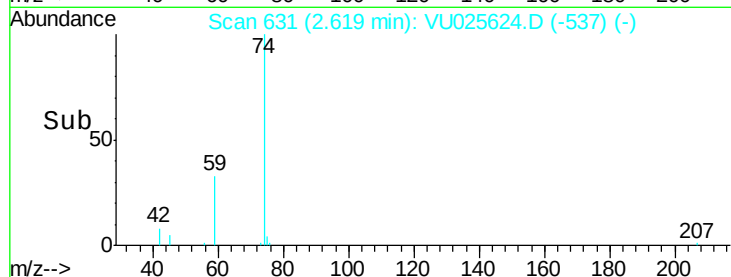
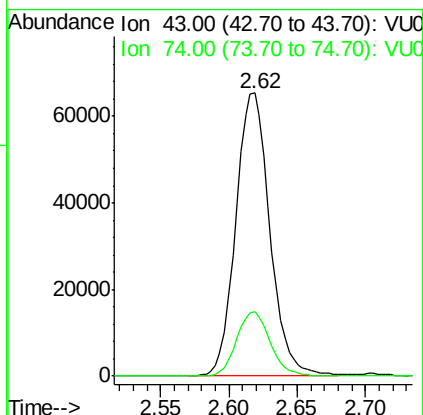
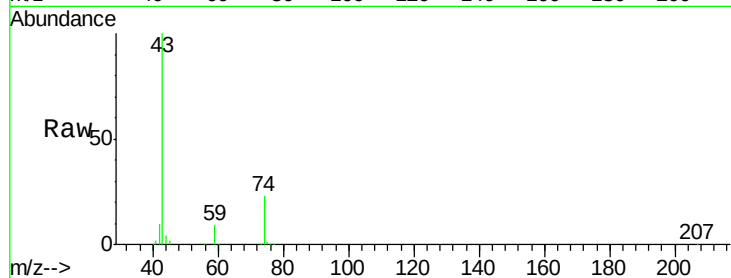




#15
Methyl Acetate
Concen: 49.369 ug/L
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU025624.D
Acq: 24 Jul 2018 14:39

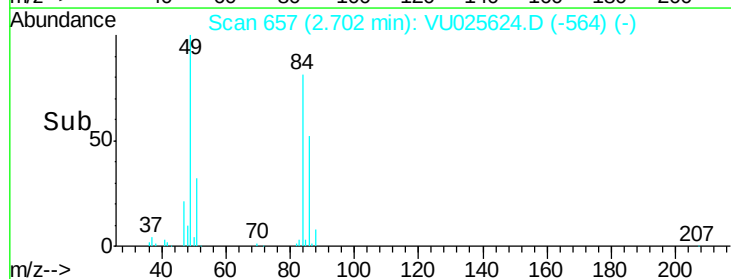
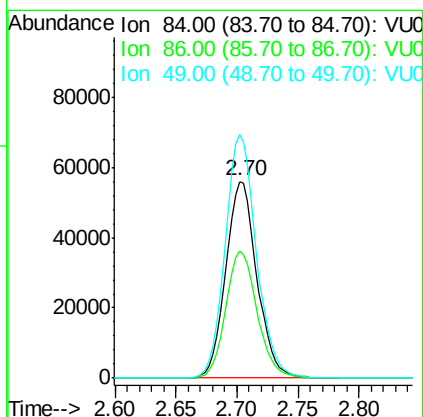
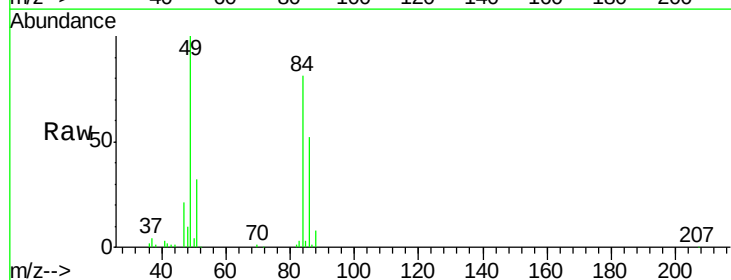
Instrument :
MSVOA_U
ClientSampleId :

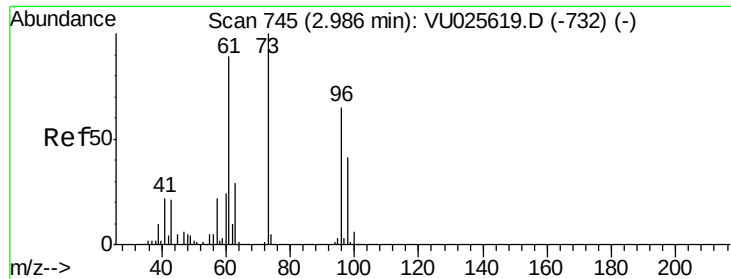
Tot Ion: 43 Resp: 112481
Ion Ratio Lower Upper
43 100
74 22.6 18.3 27.5



#16
Methylene chloride
Concen: 44.822 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025624.D
Acq: 24 Jul 2018 14:39

Tgt Ion: 84 Resp: 100392
Ion Ratio Lower Upper
84 100
86 64.4 45.6 84.6
49 123.7 87.0 161.6

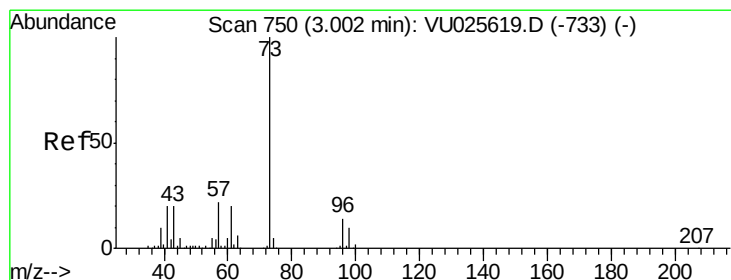
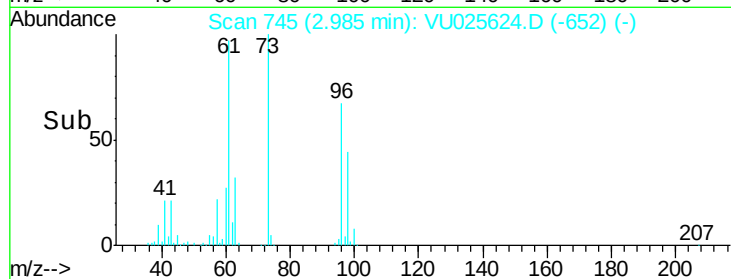
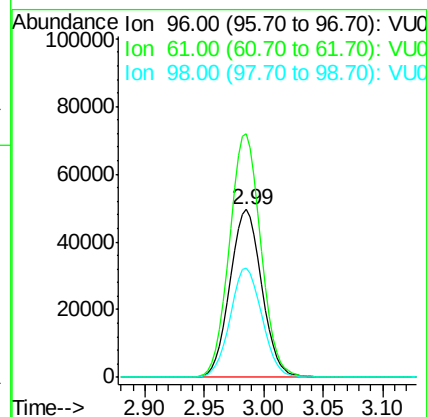
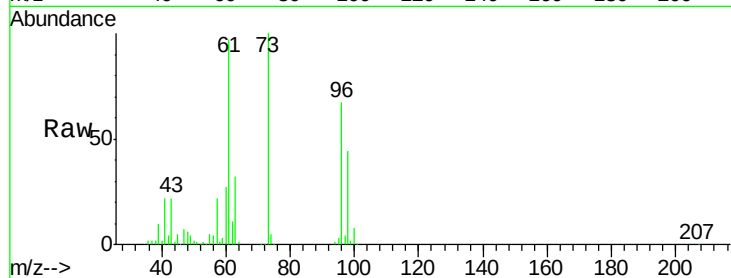




#17
trans-1,2-Dichloroethene
Concen: 44.586 ug/L
RT: 2.99 min Scan# 745
Delta R.T. -0.00 min
Lab File: VU025624.D
Acq: 24 Jul 2018 14:39

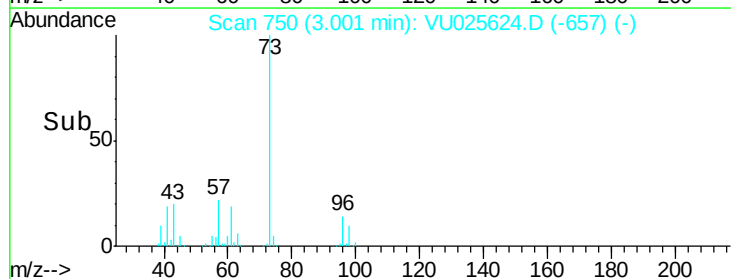
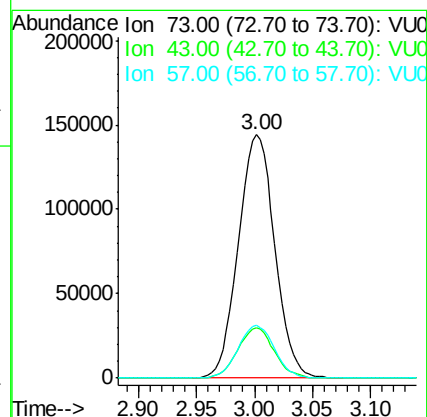
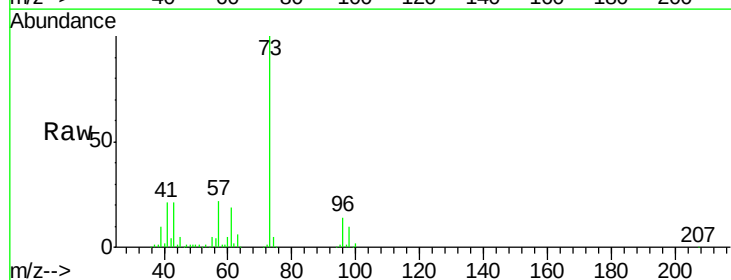
Instrument :
MSVOA_U
ClientSampleId :

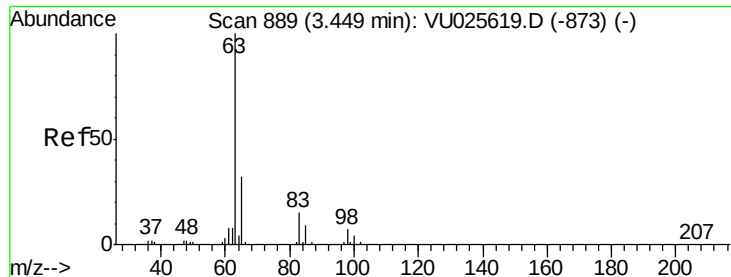
Tot Ion	96	Resp	92300
Ion	Ratio	Lower	Upper
96	100		
61	145.0	100.0	185.8
98	65.4	44.7	83.1



#18
Methyl tert-butyl Ether
Concen: 46.588 ug/L
RT: 3.00 min Scan# 750
Delta R.T. -0.00 min
Lab File: VU025624.D
Acq: 24 Jul 2018 14:39

Tgt Ion	73	Resp	314100
Ion	Ratio	Lower	Upper
73	100		
43	20.8	16.2	24.2
57	21.7	17.1	25.7





#19

1,1-Dichloroethane

Concen: 45.576 ug/L

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025624.D

Acq: 24 Jul 2018 14:39

Instrument :

MSVOA_U

ClientSampled :

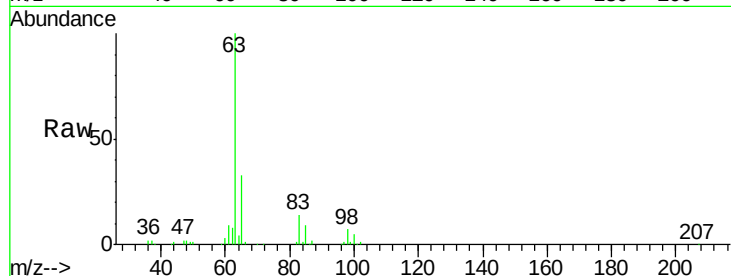
Tot Ion: 63 Resp: 179478

Ion Ratio Lower Upper

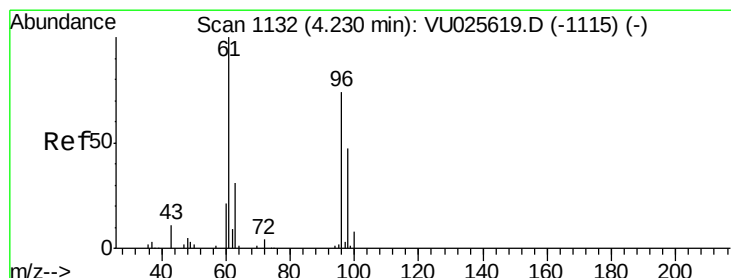
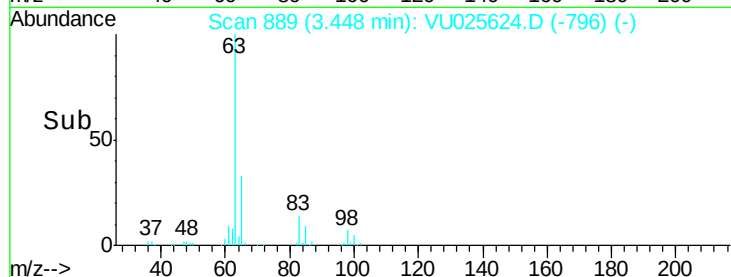
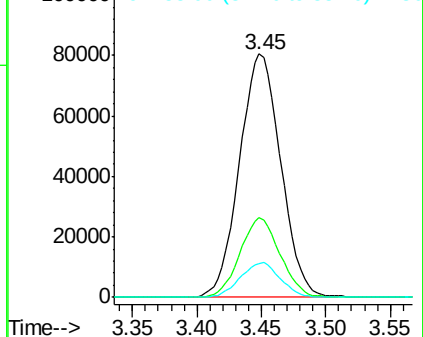
63 100

65 32.5 22.0 41.0

83 13.9 9.6 17.8



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



#20

cis-1,2-Dichloroethene

Concen: 45.524 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025624.D

Acq: 24 Jul 2018 14:39

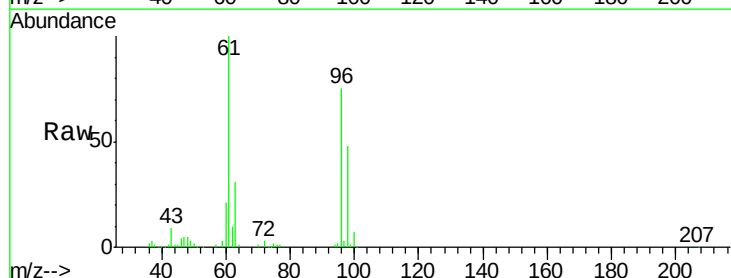
Tgt Ion: 96 Resp: 106377

Ion Ratio Lower Upper

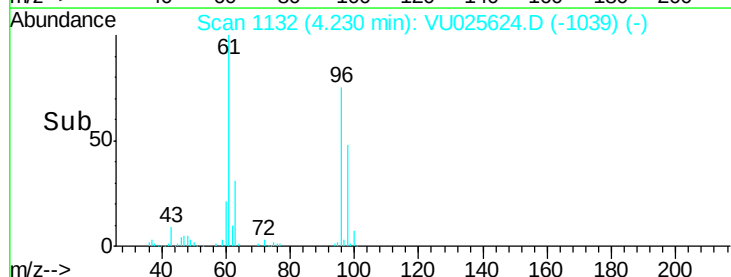
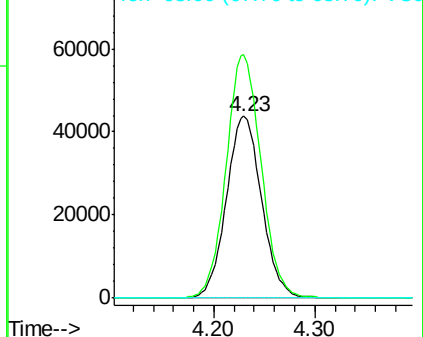
96 100

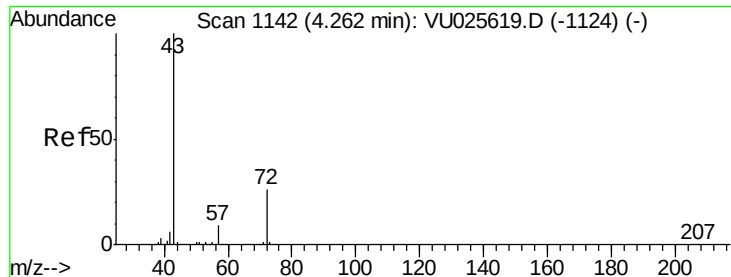
61 133.8 87.4 162.2

68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 91.911 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025624.D

Acq: 24 Jul 2018 14:39

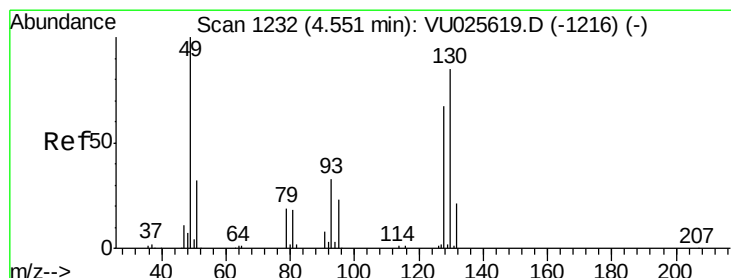
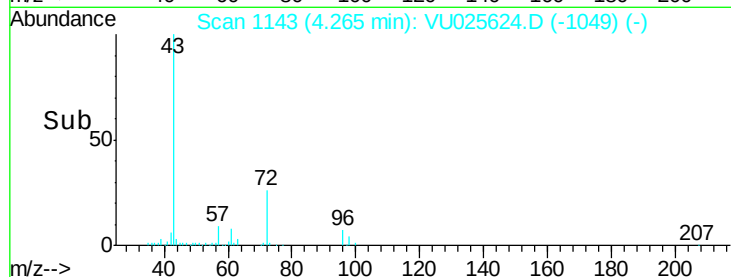
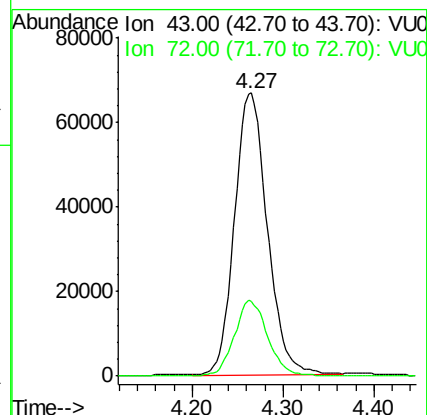
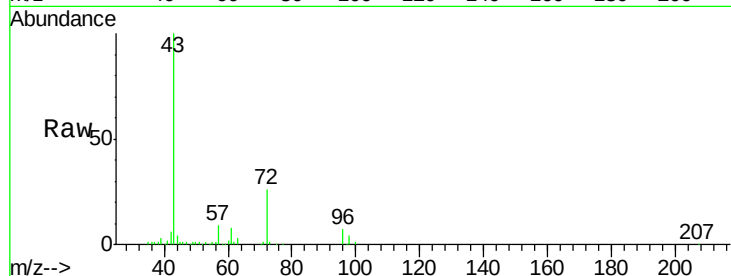
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 168640

Ion Ratio Lower Upper

43 100

72 27.2 13.6 40.8



#23

Bromochloromethane

Concen: 46.906 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU025624.D

Acq: 24 Jul 2018 14:39

Tgt Ion:128 Resp: 57853

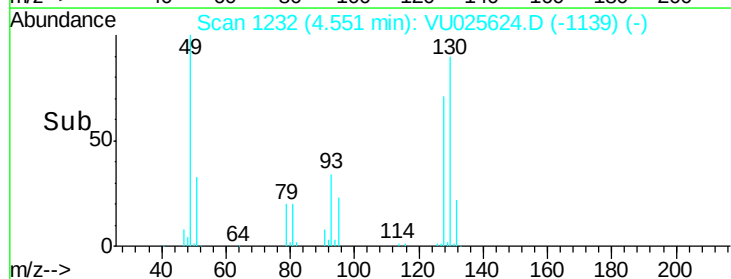
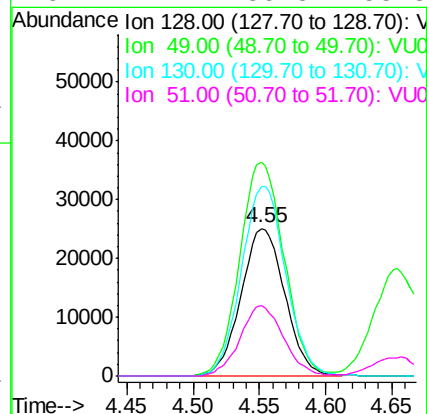
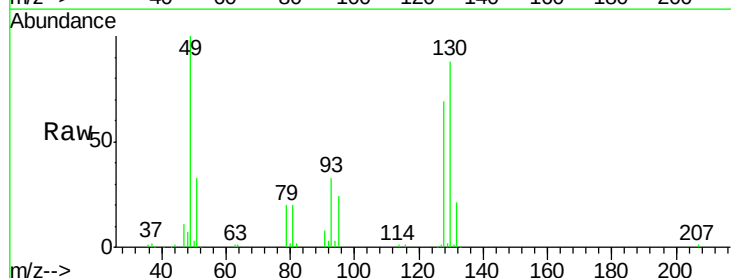
Ion Ratio Lower Upper

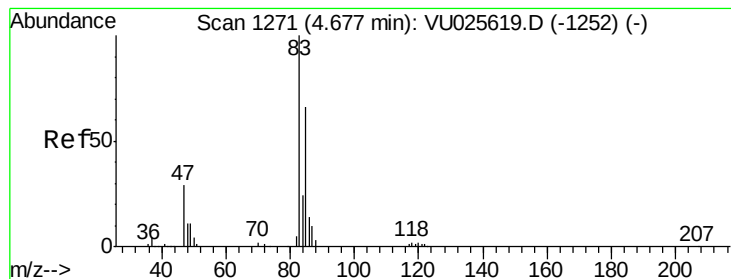
128 100

49 144.8 103.3 191.8

130 128.1 90.4 167.8

51 47.7 35.5 53.3





#25

Chloroform

Concen: 46.380 ug/L

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU025624.D

Acq: 24 Jul 2018 14:39

Instrument :

MSVOA_U

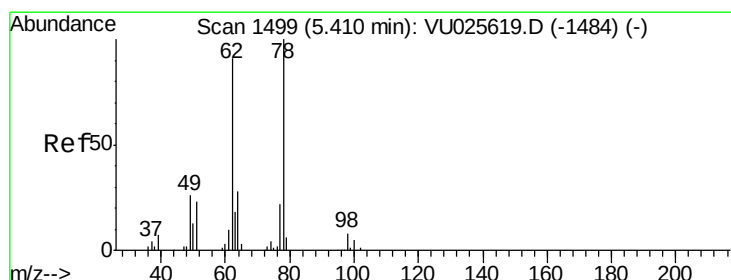
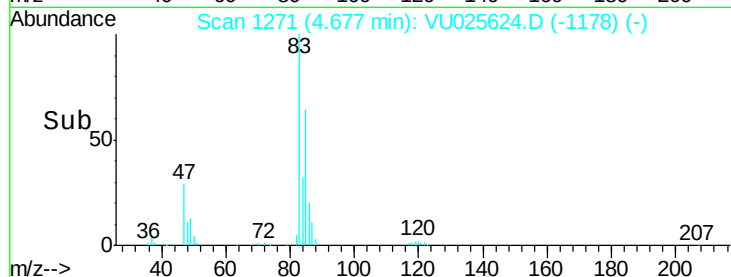
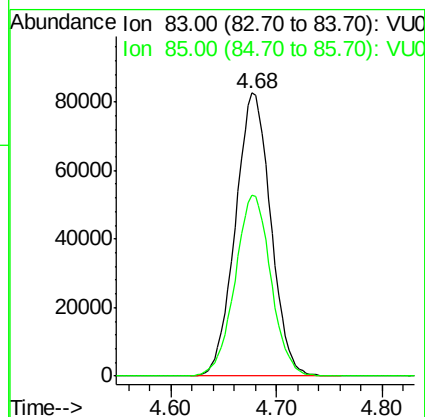
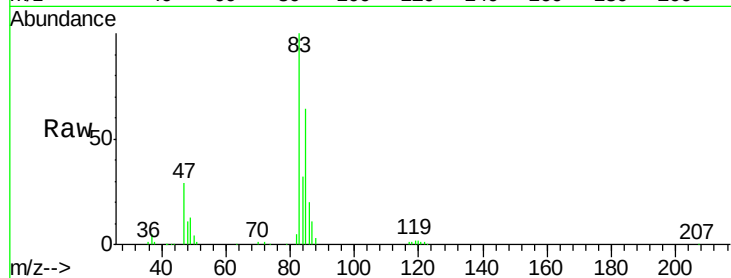
ClientSampleId :

Tot Ion: 83 Resp: 192188

Ion Ratio Lower Upper

83 100

85 64.0 45.0 83.6



#27

1,2-Dichloroethane

Concen: 46.350 ug/L

RT: 5.41 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VU025624.D

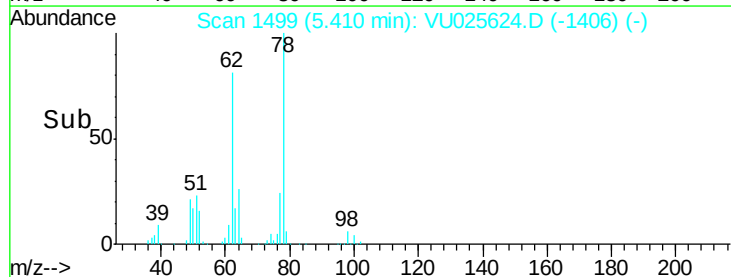
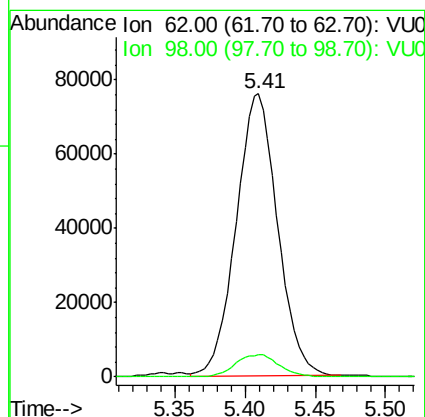
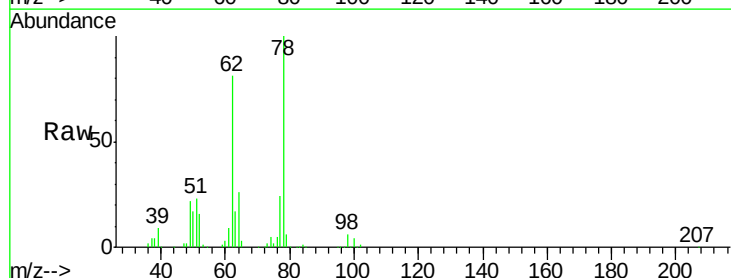
Acq: 24 Jul 2018 14:39

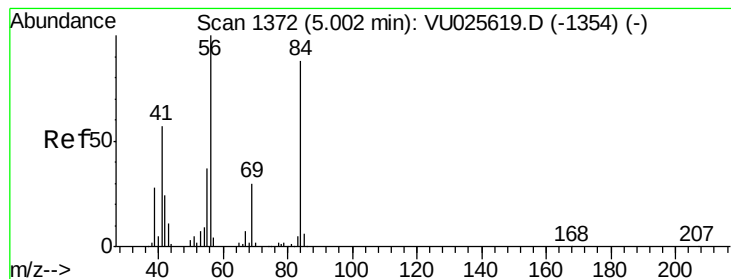
Tgt Ion: 62 Resp: 156657

Ion Ratio Lower Upper

62 100

98 7.9 6.5 9.7





#29

Cyclohexane

Concen: 44.339 ug/L

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025624.D

Acq: 24 Jul 2018 14:39

Instrument :
MSVOA_U
ClientSampled :

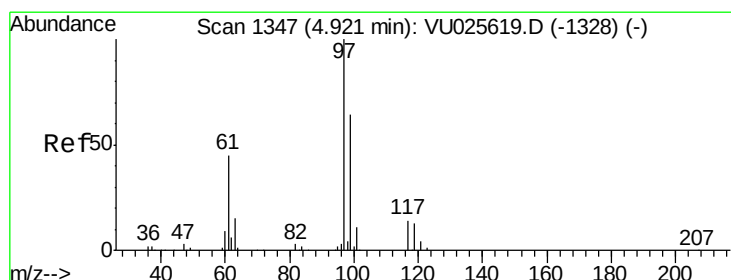
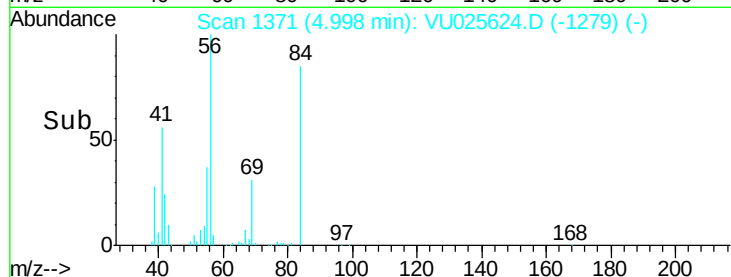
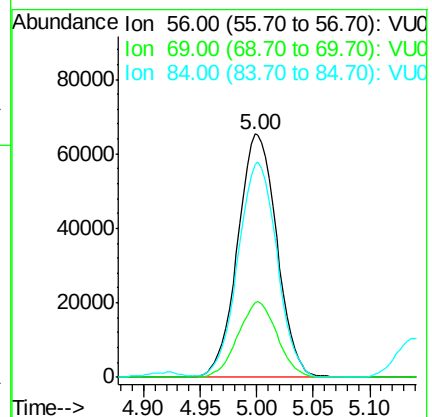
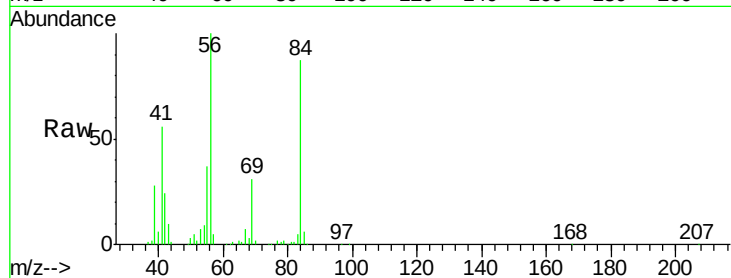
Tot Ion: 56 Resp: 157294

Ion Ratio Lower Upper

56 100

69 31.0 24.8 37.2

84 88.2 70.6 106.0



#30

1,1,1-Trichloroethane

Concen: 44.995 ug/L

RT: 4.92 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VU025624.D

Acq: 24 Jul 2018 14:39

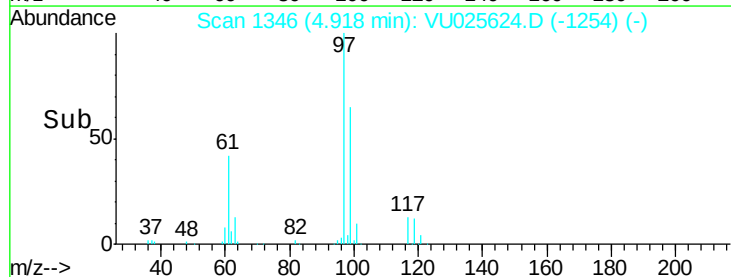
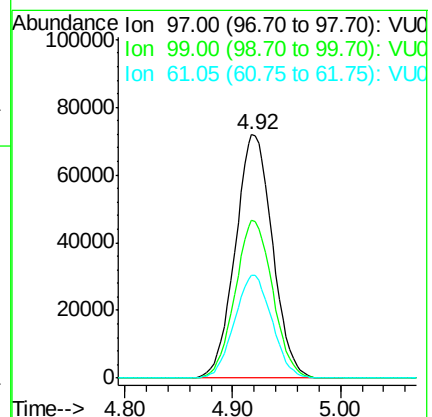
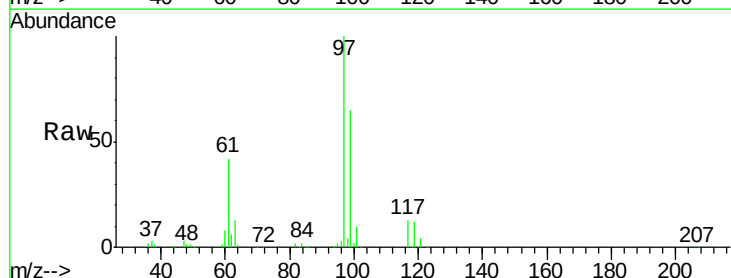
Tgt Ion: 97 Resp: 172404

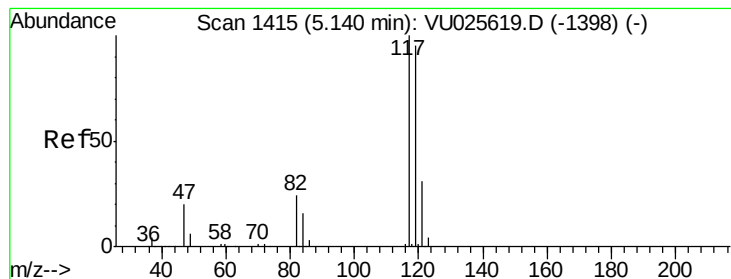
Ion Ratio Lower Upper

97 100

99 65.1 52.4 78.6

61 42.4 34.6 52.0





#31

Carbon tetrachloride

Concen: 44.396 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU025624.D

Acq: 24 Jul 2018 14:39

Instrument :

MSVOA_U

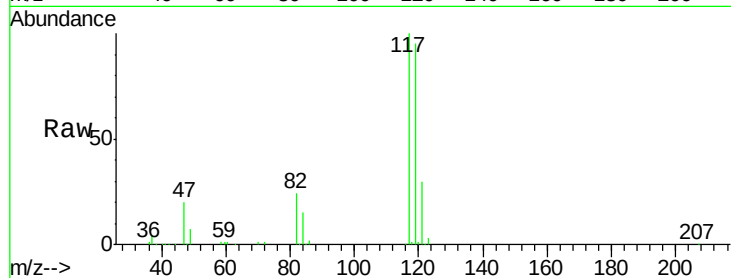
ClientSampleId :

Tot Ion:117 Resp: 157296

Ion Ratio Lower Upper

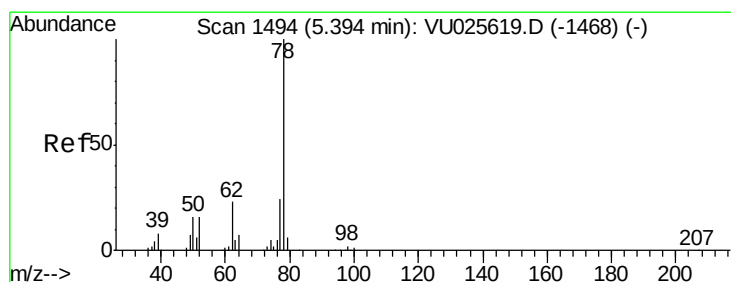
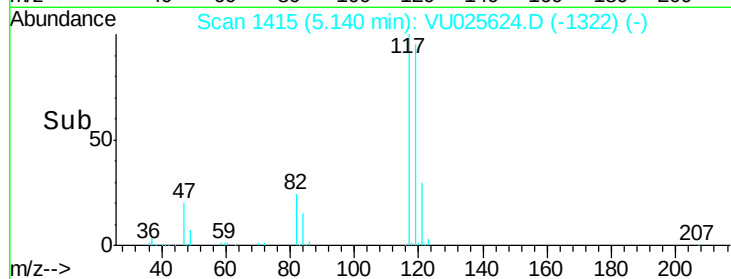
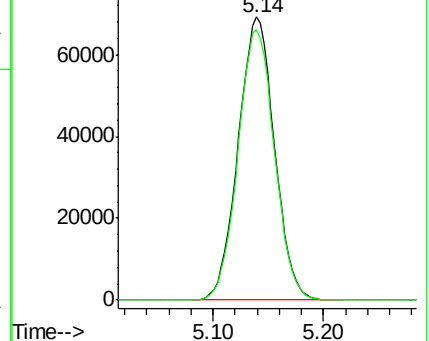
117 100

119 96.2 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 44.985 ug/L

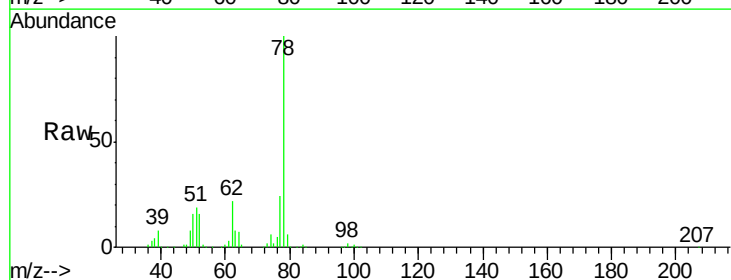
RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

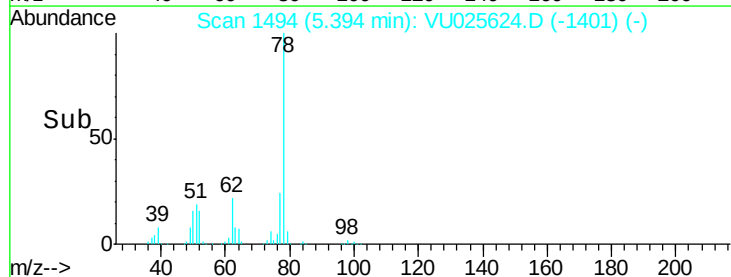
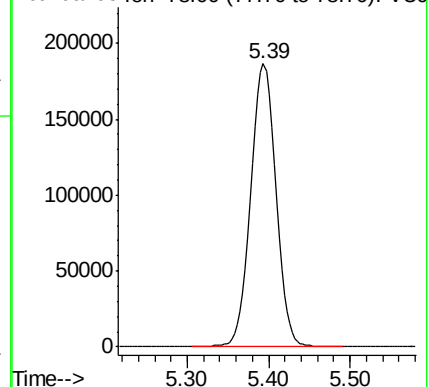
Lab File: VU025624.D

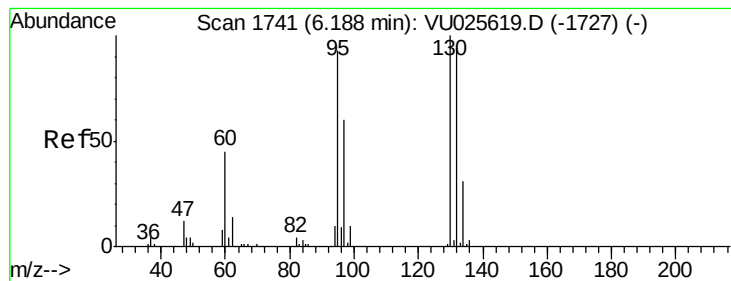
Acq: 24 Jul 2018 14:39

Tgt Ion: 78 Resp: 395792



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 45.684 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025624.D

Acq: 24 Jul 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 106647

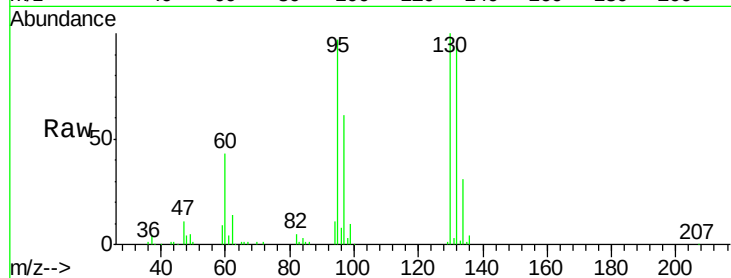
Ion Ratio Lower Upper

95 100

97 62.8 45.9 85.3

132 97.7 72.2 134.2

130 103.4 74.9 139.1



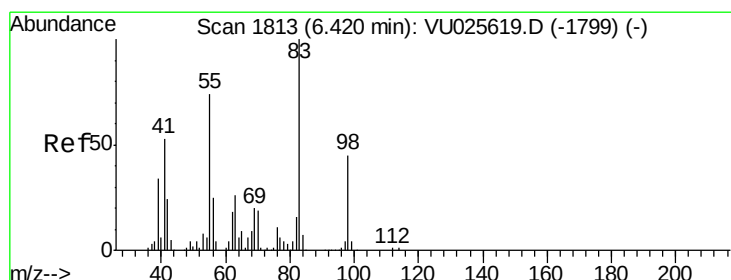
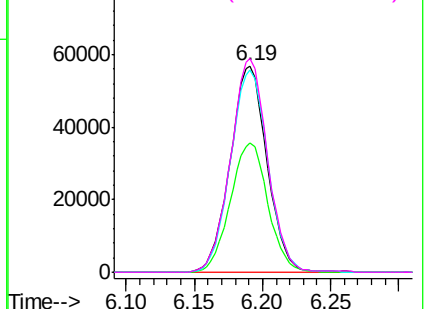
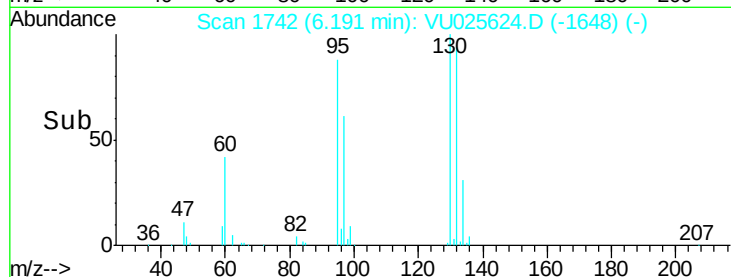
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 45.739 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU025624.D

Acq: 24 Jul 2018 14:39

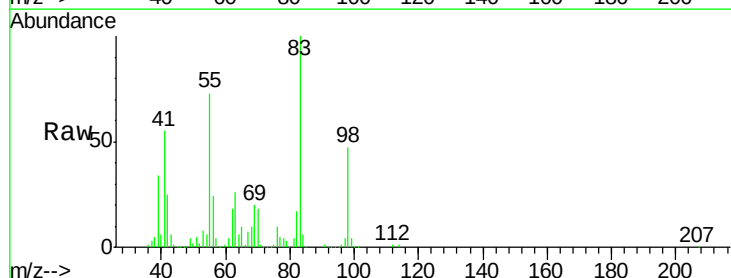
Tgt Ion: 83 Resp: 172167

Ion Ratio Lower Upper

83 100

55 76.1 61.1 91.7

98 47.1 38.6 57.8

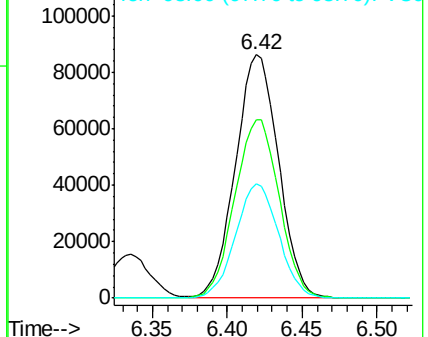
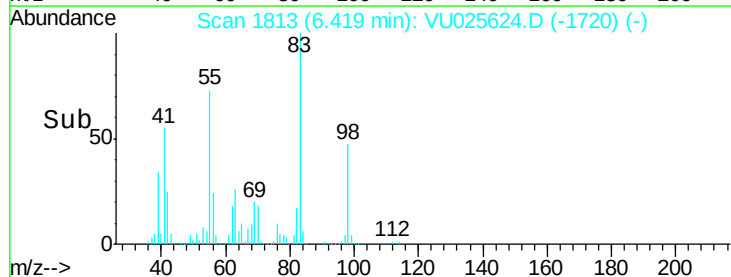


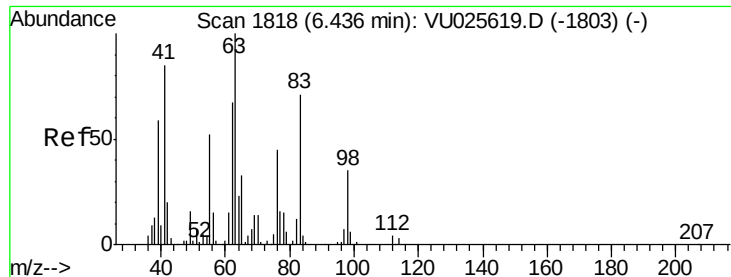
Abundance

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

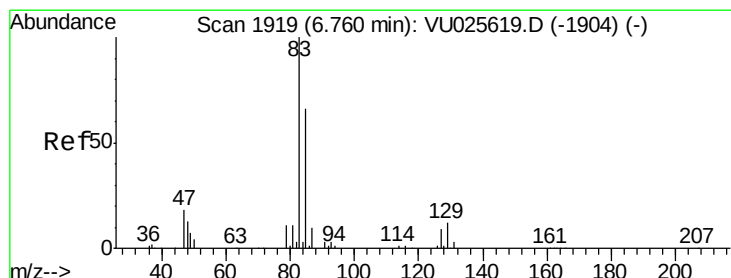
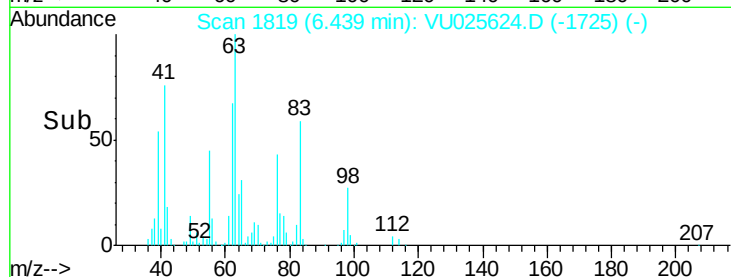
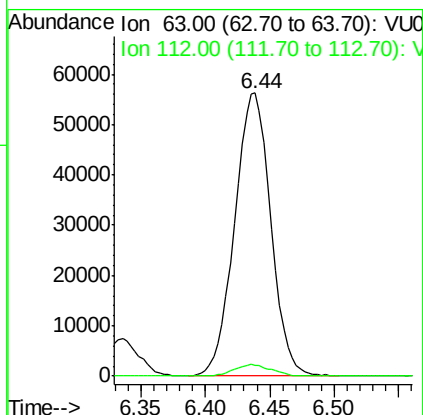
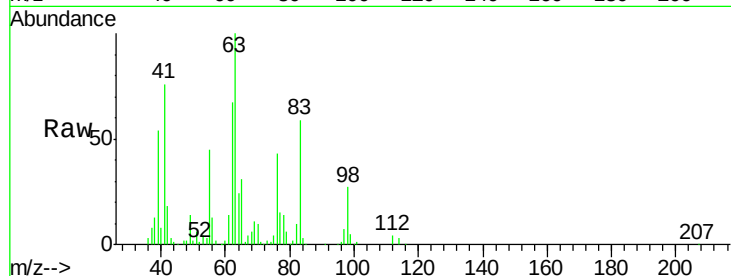




#37
 1,2-Dichloropropane
 Concen: 45.649 ug/L
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU025624.D
 Acq: 24 Jul 2018 14:39

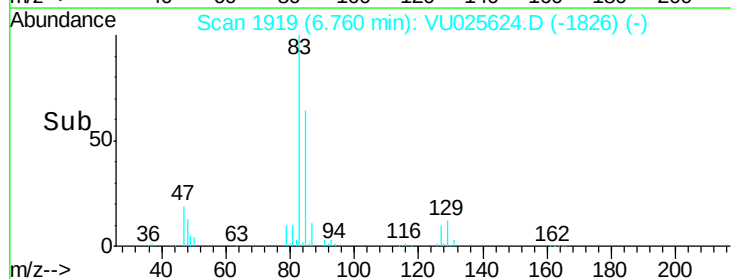
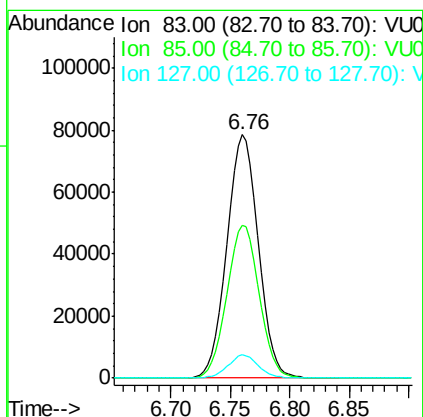
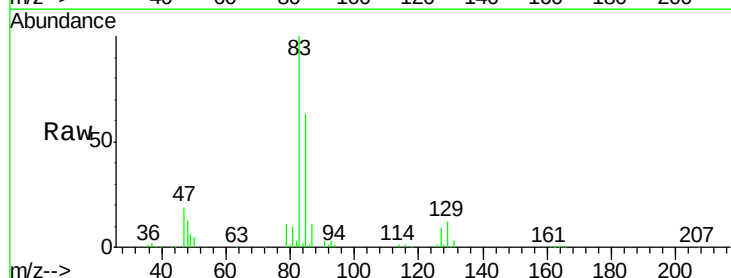
Instrument :
 MSVOA_U
 ClientSampleId :

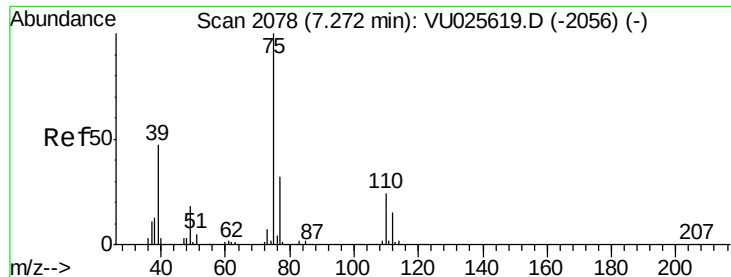
Tot Ion: 63 Resp: 109752
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.3 4.9



#38
 Bromodichloromethane
 Concen: 45.489 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU025624.D
 Acq: 24 Jul 2018 14:39

Tgt Ion: 83 Resp: 144198
 Ion Ratio Lower Upper
 83 100
 85 62.9 46.7 86.7
 127 9.5 8.0 12.0

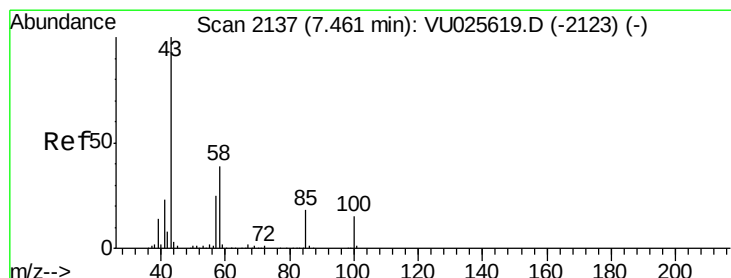
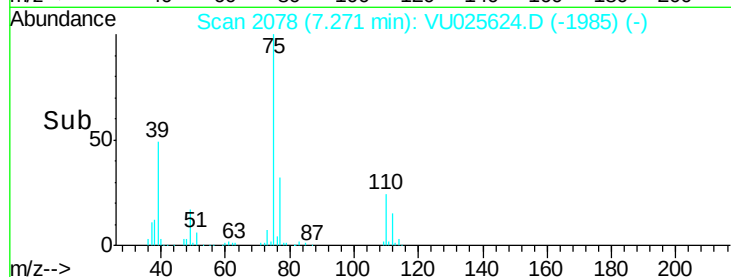
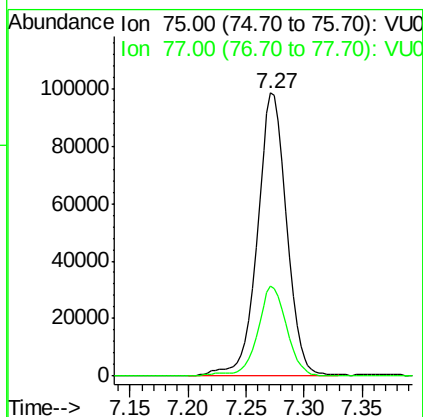
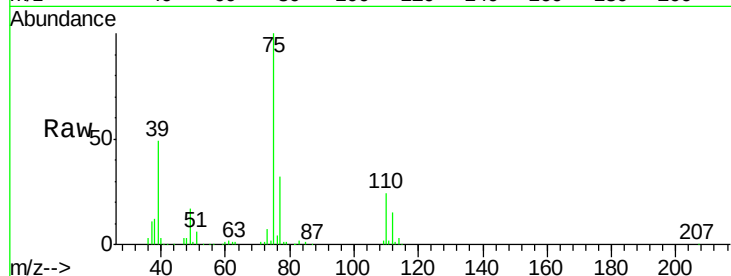




#39
 cis-1,3-Dichloropropene
 Concen: 46.536 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU025624.D
 Acq: 24 Jul 2018 14:39

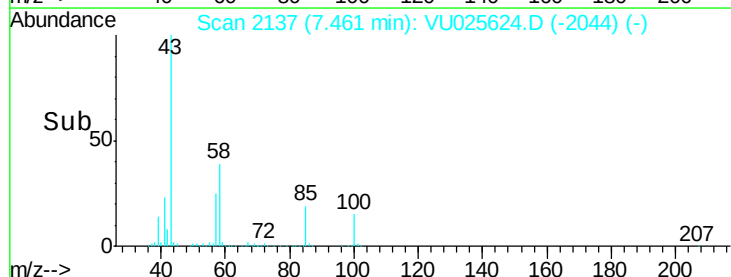
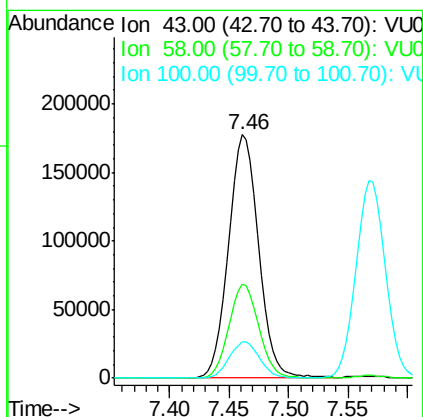
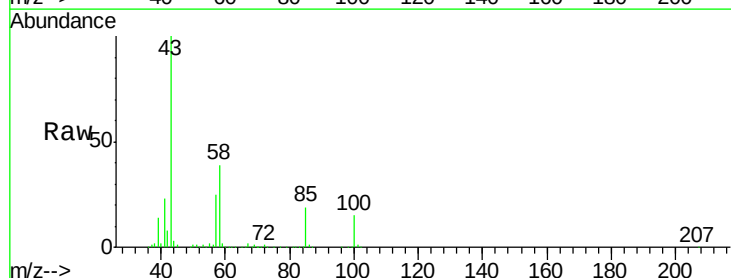
Instrument :
 MSVOA_U
 ClientSampled :

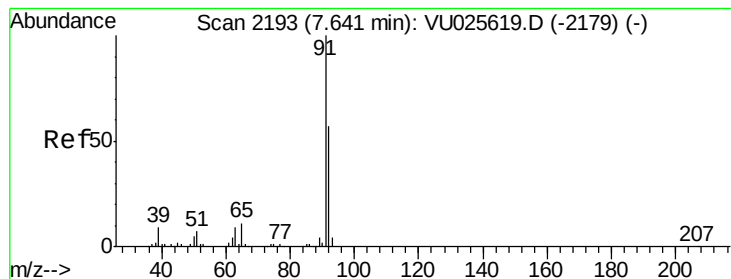
Tot Ion: 75 Resp: 173633
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 98.992 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU025624.D
 Acq: 24 Jul 2018 14:39

Tgt Ion: 43 Resp: 312549
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.8 46.2
 100 15.0 12.1 18.1





#42

Toluene

Concen: 45.978 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025624.D

Acq: 24 Jul 2018 14:39

Instrument :

MSVOA_U

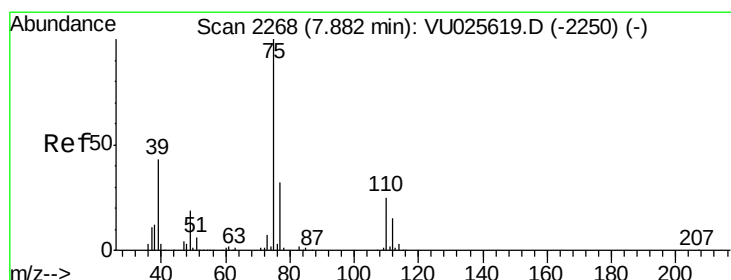
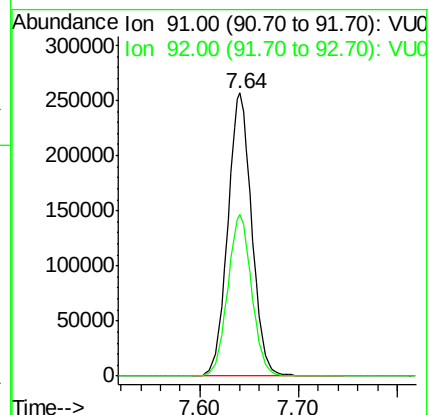
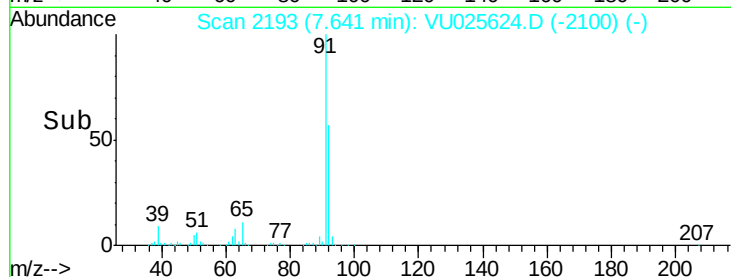
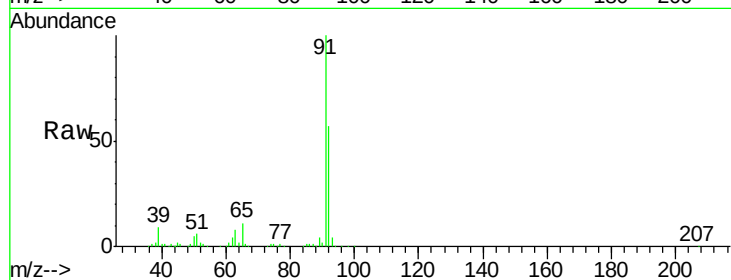
ClientSampleId :

Tot Ion: 91 Resp: 436250

Ion Ratio Lower Upper

91 100

92 57.0 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 47.544 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025624.D

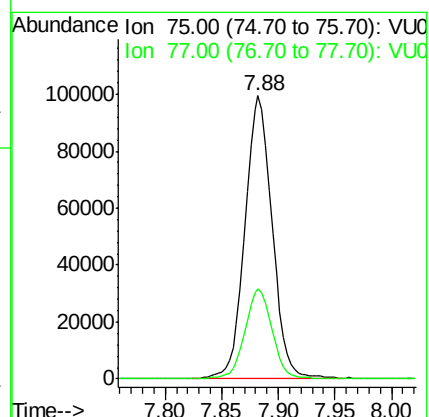
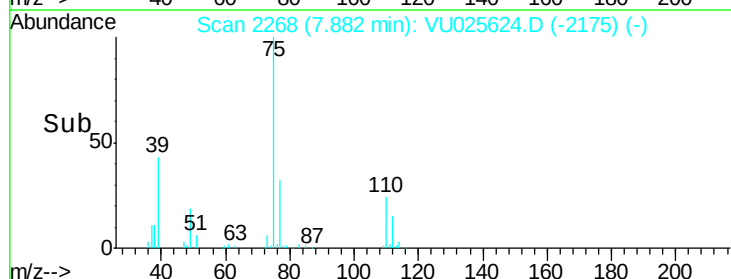
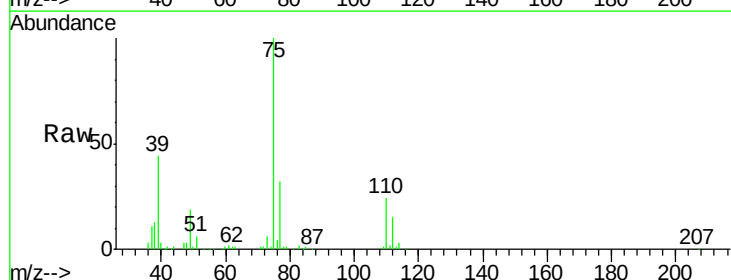
Acq: 24 Jul 2018 14:39

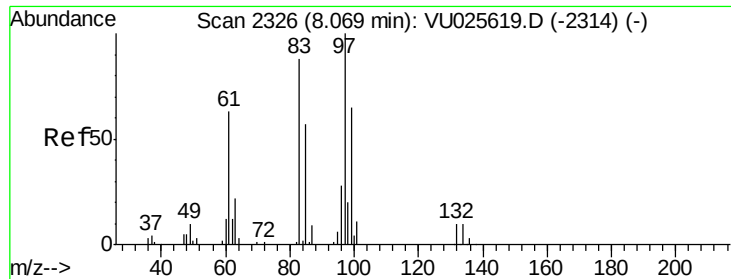
Tgt Ion: 75 Resp: 167258

Ion Ratio Lower Upper

75 100

77 31.9 22.2 41.2

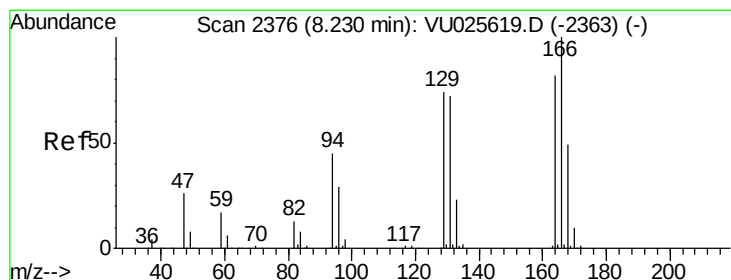
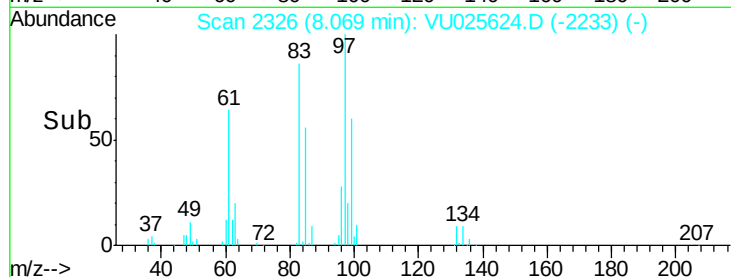
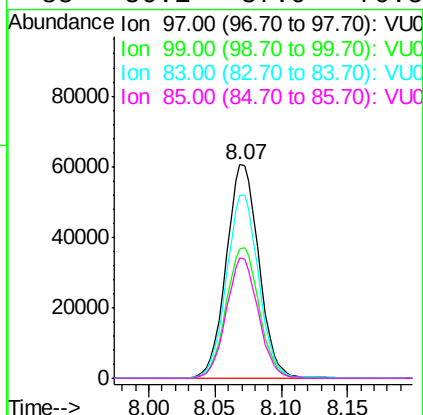
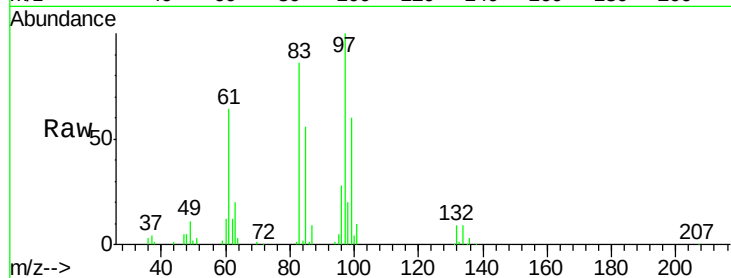




#45
1,1,2-Trichloroethane
Concen: 44.947 ug/L
RT: 8.07 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VU025624.D
Acq: 24 Jul 2018 14:39

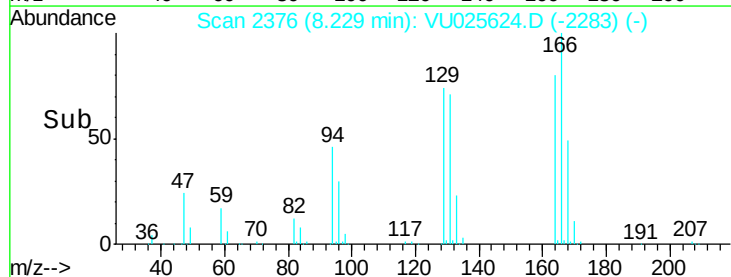
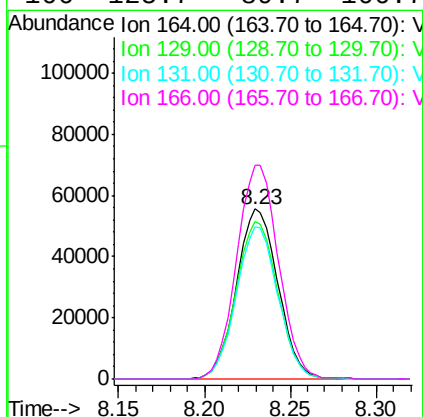
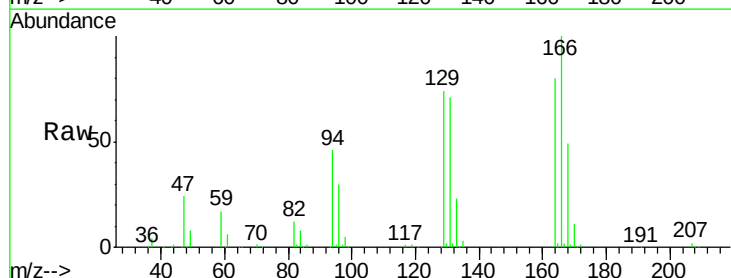
Instrument :
MSVOA_U
ClientSampleId :

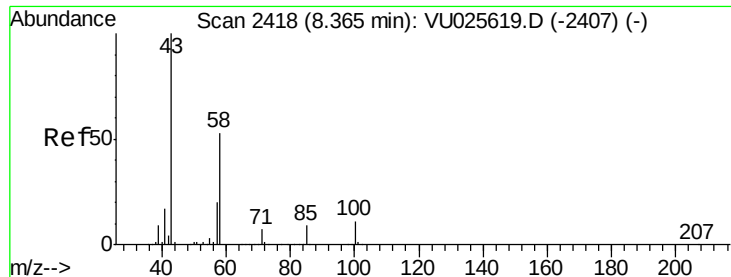
Tot Ion:	97	Resp:	103656
Ion	Ratio	Lower	Upper
97	100		
99	60.4	44.3	82.3
83	85.8	59.8	111.1
85	56.1	37.9	70.5



#46
Tetrachloroethene
Concen: 46.166 ug/L
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU025624.D
Acq: 24 Jul 2018 14:39

Tgt Ion:	164	Resp:	93432
Ion	Ratio	Lower	Upper
164	100		
129	92.9	65.1	120.9
131	89.6	62.8	116.6
166	125.7	89.7	166.7

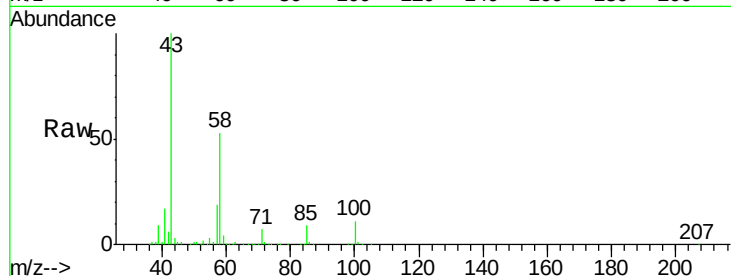




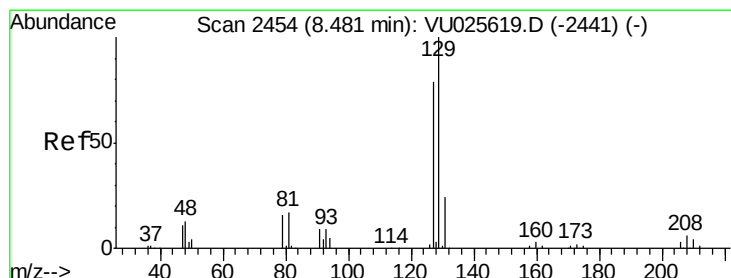
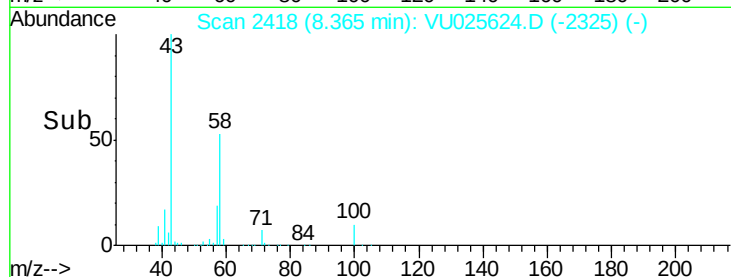
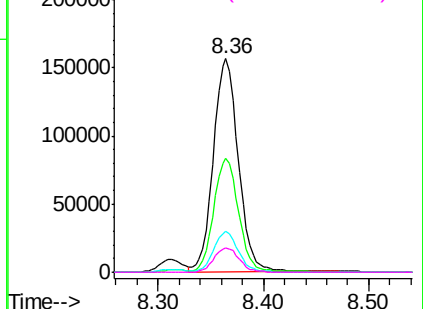
#48
2-Hexanone
Concen: 96.425 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU025624.D
Acq: 24 Jul 2018 14:39

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	257253
Ion	Ratio	Lower	Upper
43	100		
58	52.8	42.9	64.3
57	18.6	15.4	23.2
100	11.7	9.6	14.4

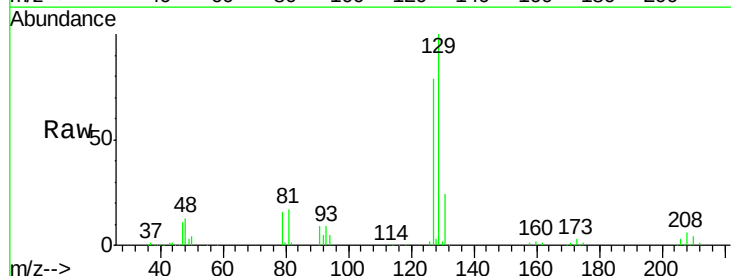


Abundance Ion 43.00 (42.70 to 43.70): VU025619.D (-2407) (-)
Ion 58.00 (57.70 to 58.70): VU025619.D (-2407) (-)
Ion 57.00 (56.70 to 57.70): VU025619.D (-2407) (-)
Ion 100.00 (99.70 to 100.70): VU025619.D (-2407) (-)

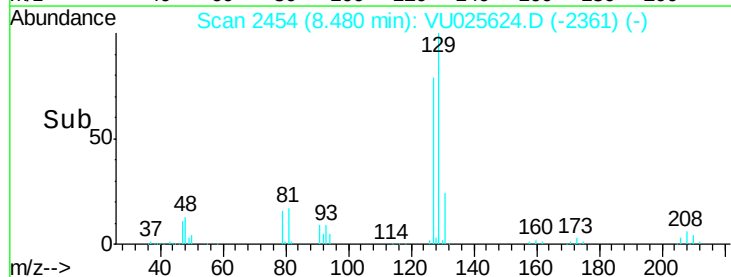
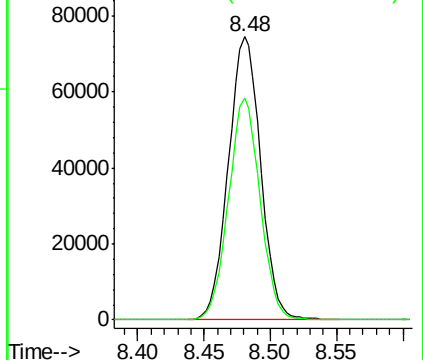


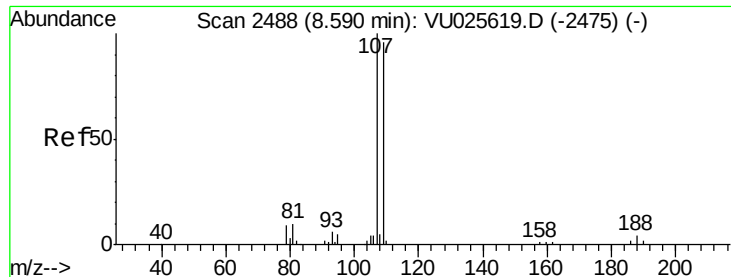
#49
Dibromochloromethane
Concen: 46.628 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025624.D
Acq: 24 Jul 2018 14:39

Tgt Ion:	129	Resp:	126140
Ion	Ratio	Lower	Upper
129	100		
127	78.6	53.8	100.0



Abundance Ion 129.00 (128.70 to 129.70): VU025619.D (-2441) (-)
Ion 127.00 (126.70 to 127.70): VU025619.D (-2441) (-)

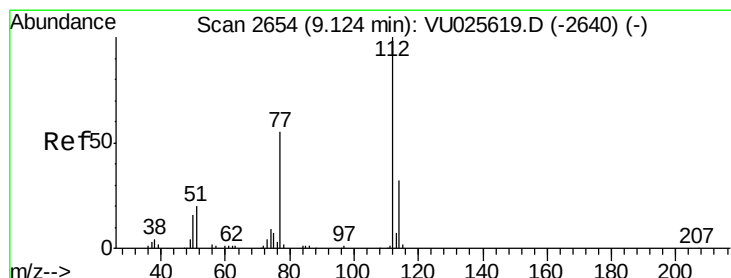
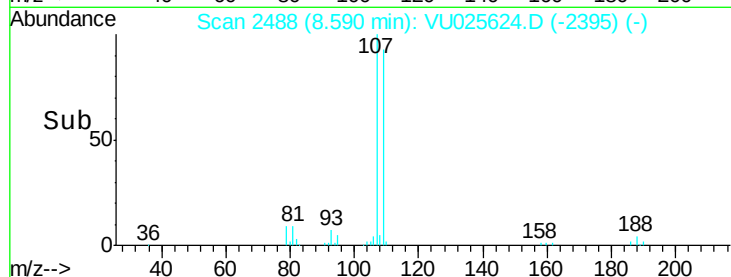
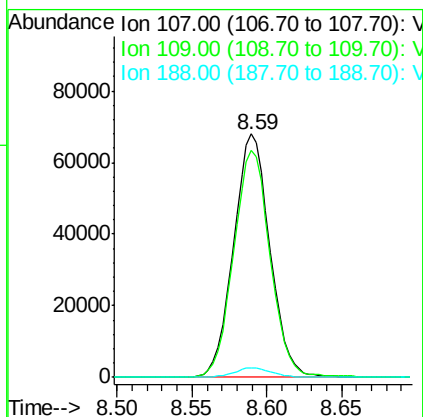
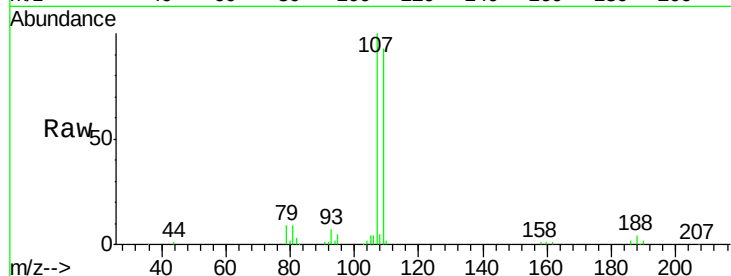




#50
 1,2-Dibromoethane
 Concen: 46.126 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU025624.D
 Acq: 24 Jul 2018 14:39

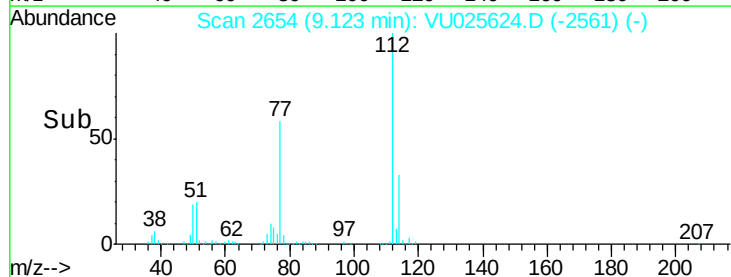
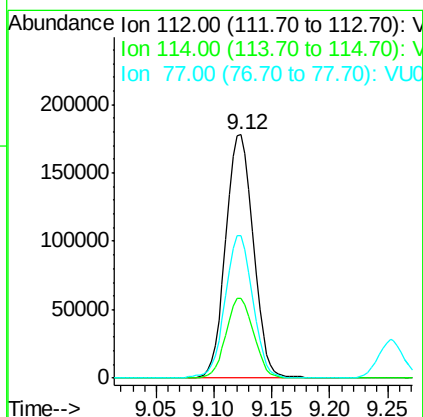
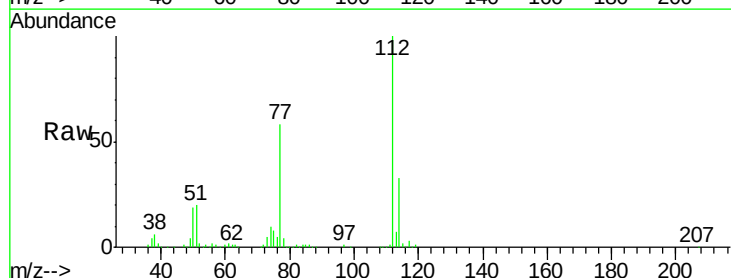
Instrument :
 MSVOA_U
 ClientSampleId :

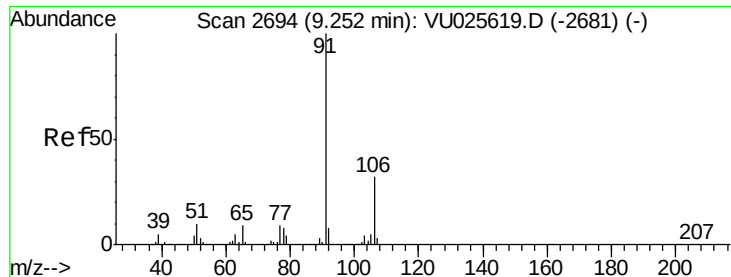
Tot Ion:107 Resp: 114602
 Ion Ratio Lower Upper
 107 100
 109 93.1 66.6 123.8
 188 4.1 3.2 4.8



#51
 Chlorobenzene
 Concen: 45.907 ug/L
 RT: 9.12 min Scan# 2654
 Delta R.T. -0.00 min
 Lab File: VU025624.D
 Acq: 24 Jul 2018 14:39

Tgt Ion:112 Resp: 293242
 Ion Ratio Lower Upper
 112 100
 114 32.8 22.5 41.9
 77 58.3 45.8 68.8





#52

Ethylbenzene

Concen: 46.940 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU025624.D

Acq: 24 Jul 2018 14:39

Instrument :

MSVOA_U

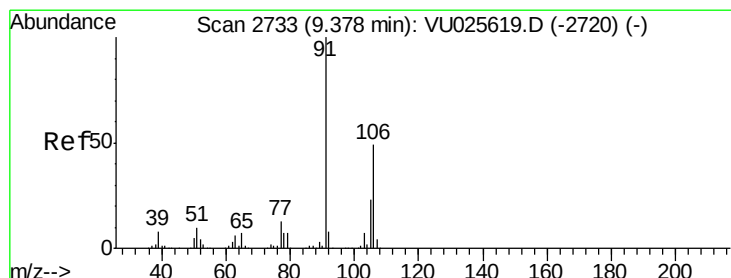
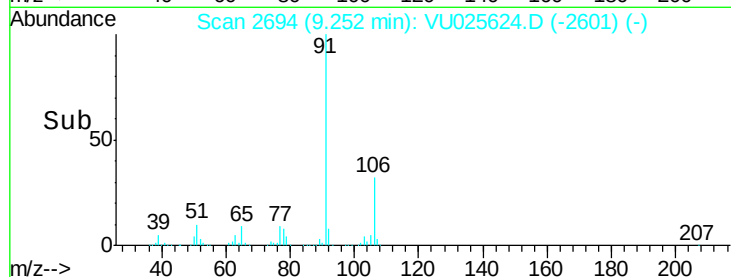
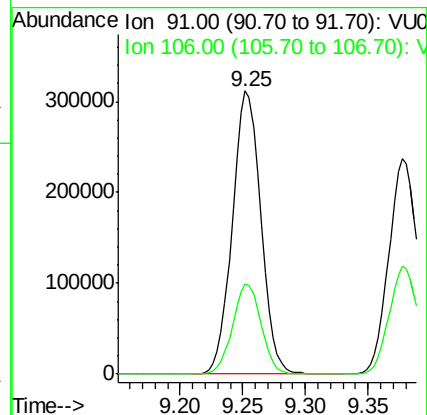
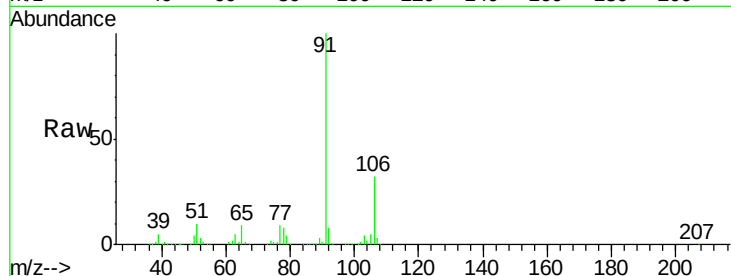
ClientSampleId :

Tot Ion: 91 Resp: 491573

Ion Ratio Lower Upper

91 100

106 31.9 22.3 41.5



#53

m,p-Xylene

Concen: 48.001 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU025624.D

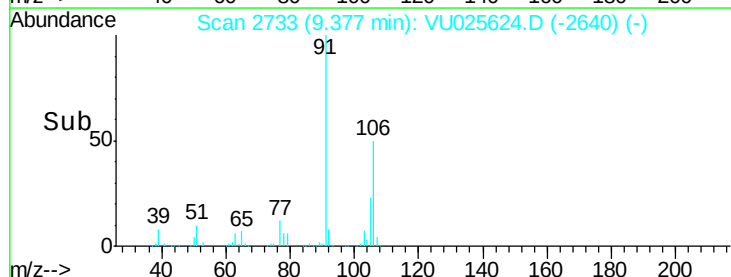
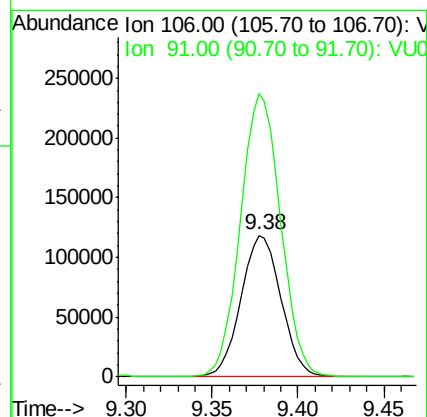
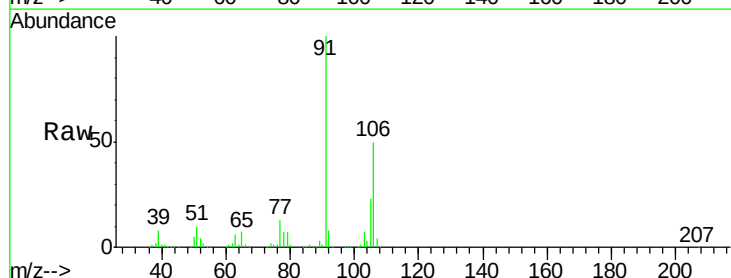
Acq: 24 Jul 2018 14:39

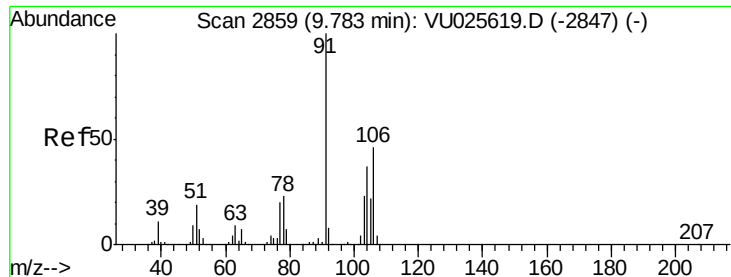
Tgt Ion: 106 Resp: 192543

Ion Ratio Lower Upper

106 100

91 200.4 141.7 263.3

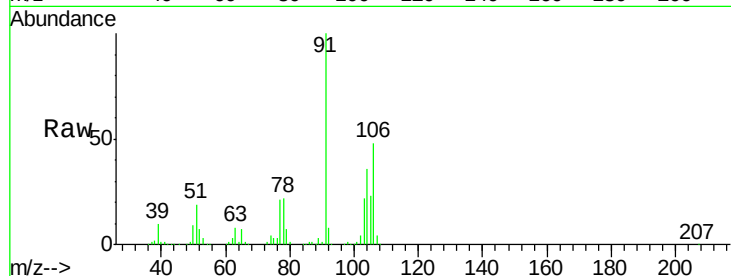




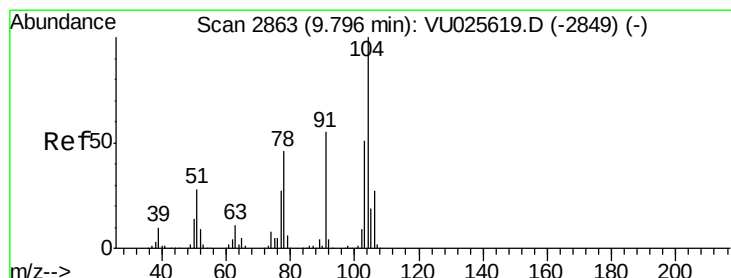
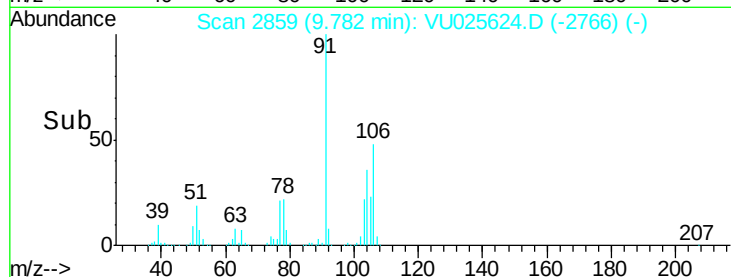
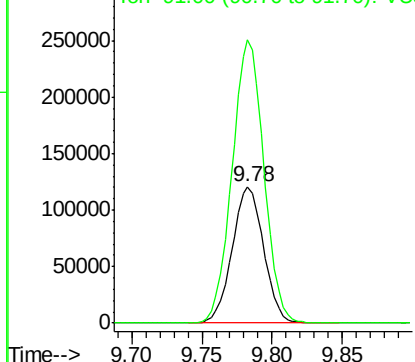
#54
o-xylene
Concen: 46.364 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025624.D
Acq: 24 Jul 2018 14:39

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 188713
Ion Ratio Lower Upper
106 100
91 207.4 150.6 279.6

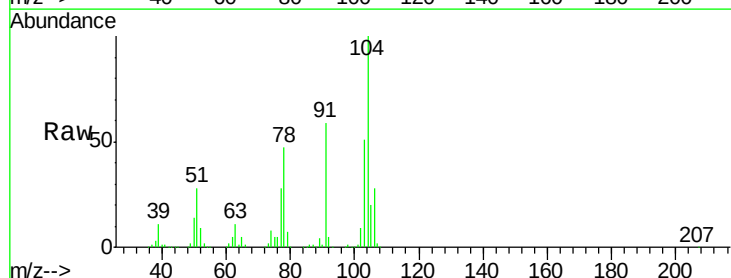


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

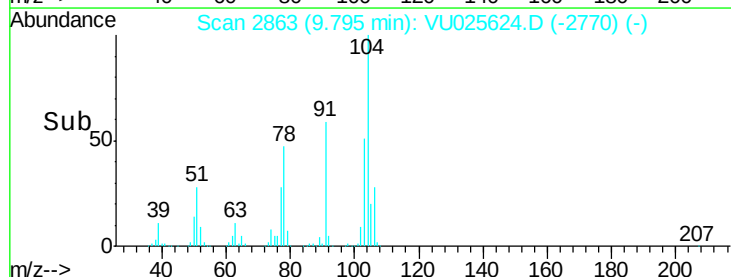
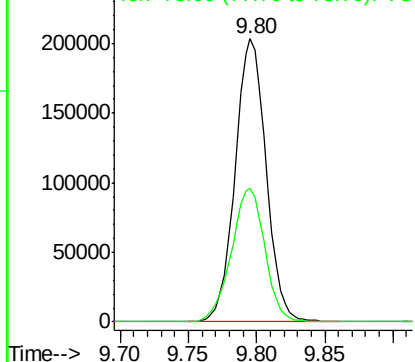


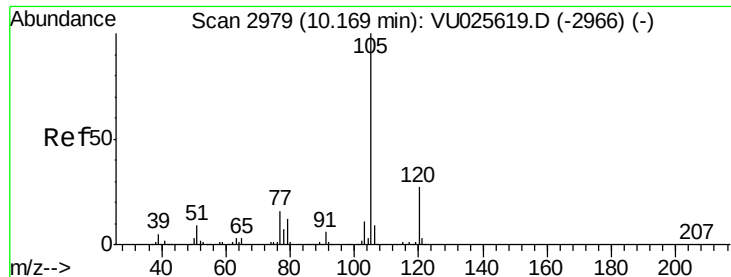
#55
Styrene
Concen: 48.355 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025624.D
Acq: 24 Jul 2018 14:39

Tgt Ion:104 Resp: 320550
Ion Ratio Lower Upper
104 100
78 47.3 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: 47.630 ug/L

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025624.D

Acq: 24 Jul 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

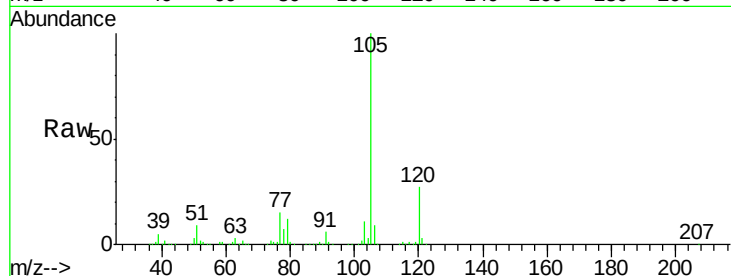
Tot Ion:105 Resp: 500310

Ion Ratio Lower Upper

105 100

120 27.0 21.7 32.5

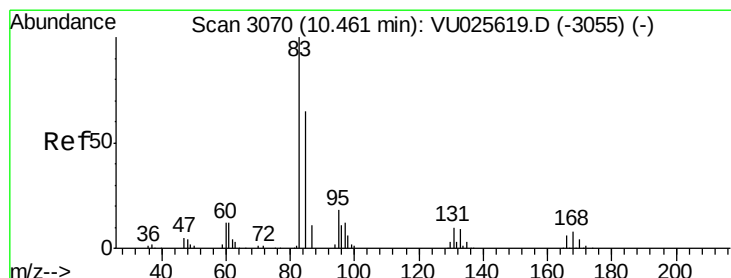
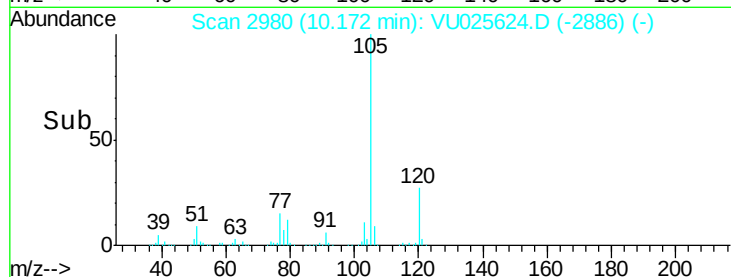
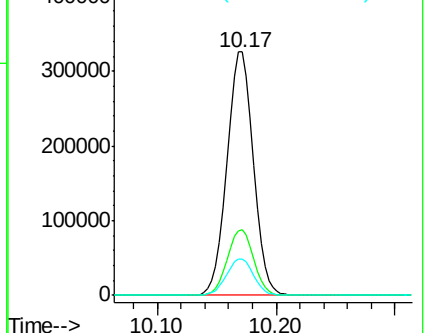
77 15.4 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 46.997 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025624.D

Acq: 24 Jul 2018 14:39

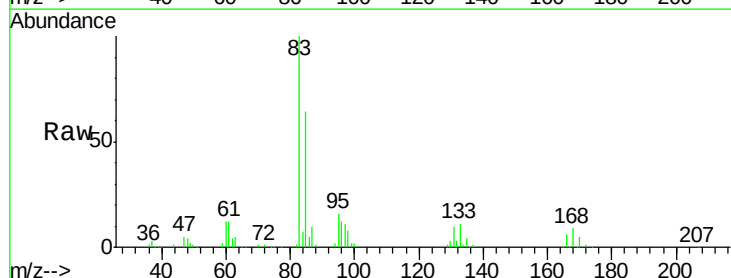
Tgt Ion: 83 Resp: 174825

Ion Ratio Lower Upper

83 100

85 64.5 45.1 83.7

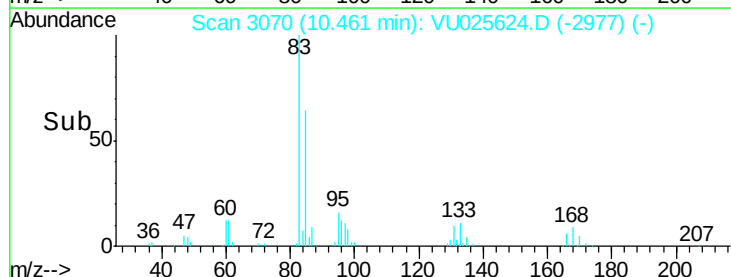
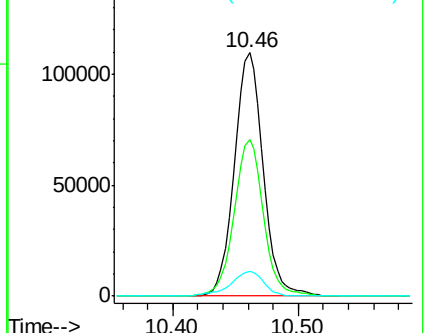
131 9.9 8.7 13.1

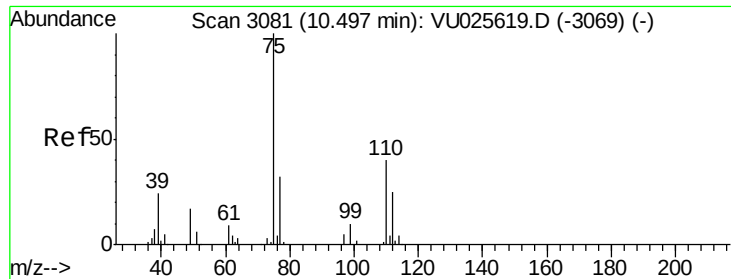


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

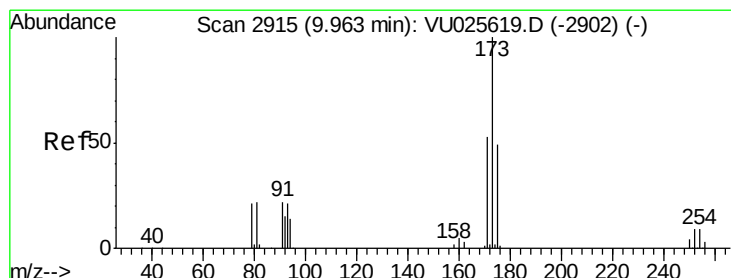
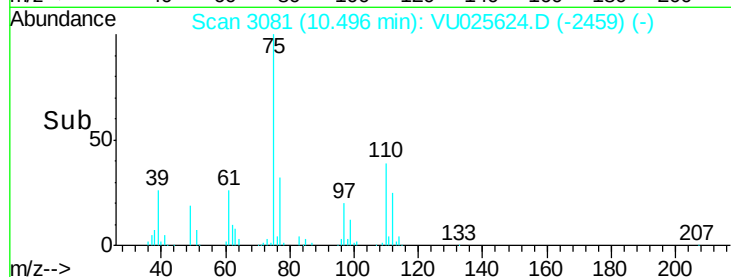
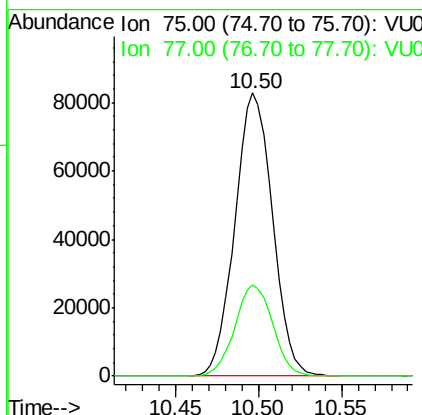
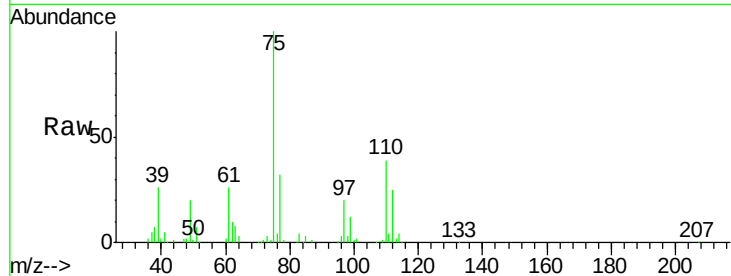




#59
 1,2,3-Trichloropropane
 Concen: 46.434 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU025624.D
 Acq: 24 Jul 2018 14:39

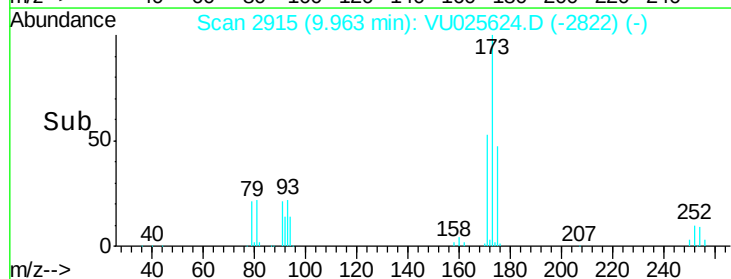
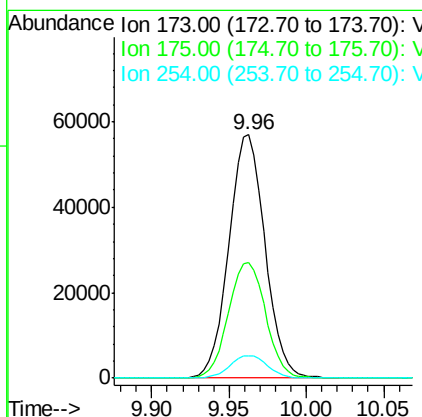
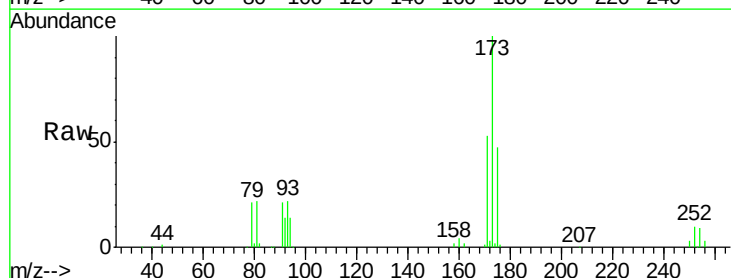
Instrument :
 MSVOA_U
 ClientSampleId :

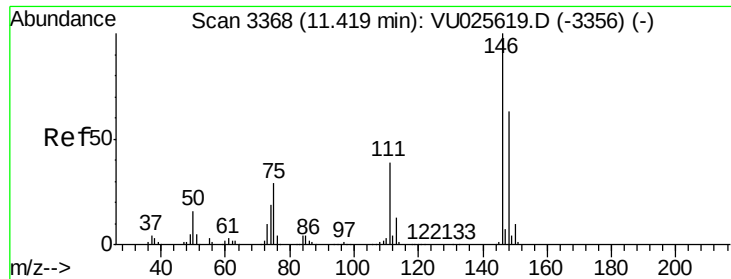
Tot Ion: 75 Resp: 131130
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.8 38.8



#61
 Bromoform
 Concen: 42.021 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. -0.00 min
 Lab File: VU025624.D
 Acq: 24 Jul 2018 14:39

Tgt Ion: 173 Resp: 92294
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.8 59.8
 254 9.6 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 46.037 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU025624.D

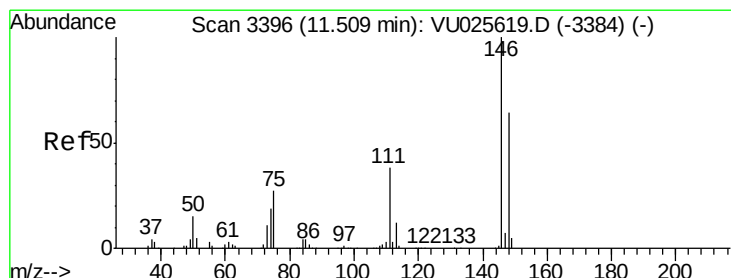
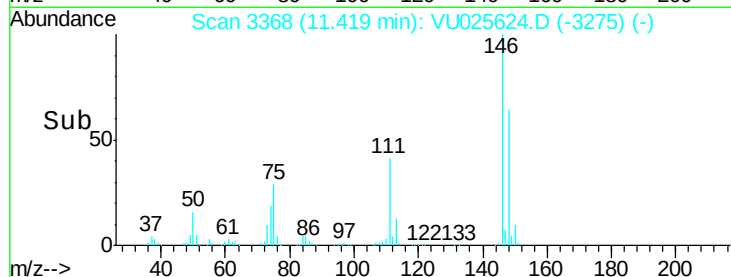
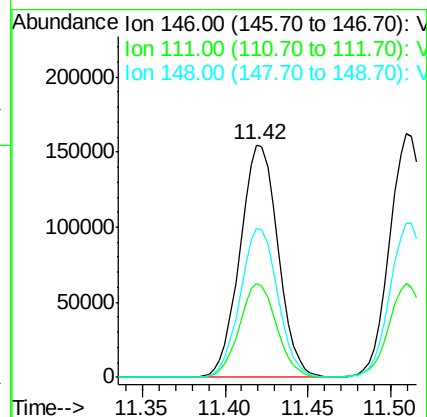
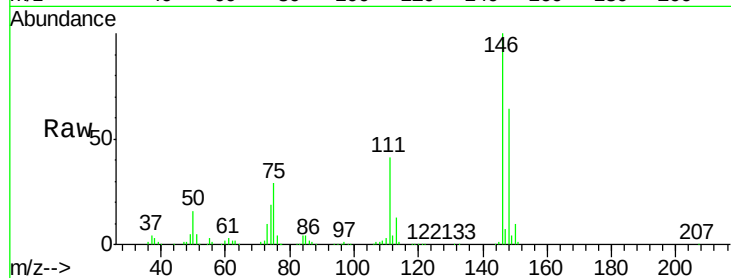
Acq: 24 Jul 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:146	Resp: 247275
Ion Ratio	Lower Upper
146 100	
111 40.6	27.7 51.5
148 64.3	45.5 84.5



#63

1,4-Dichlorobenzene

Concen: 46.050 ug/L

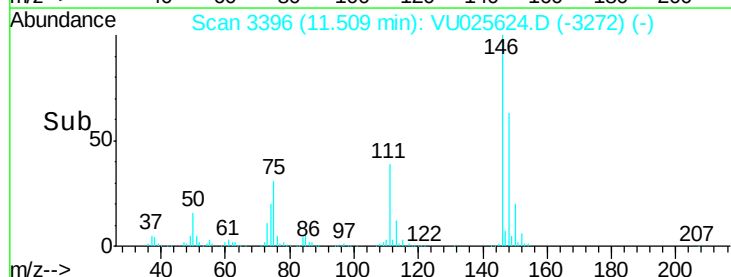
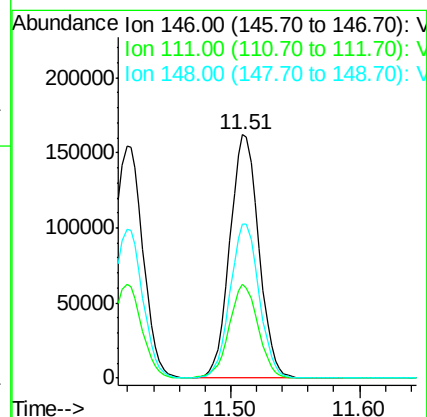
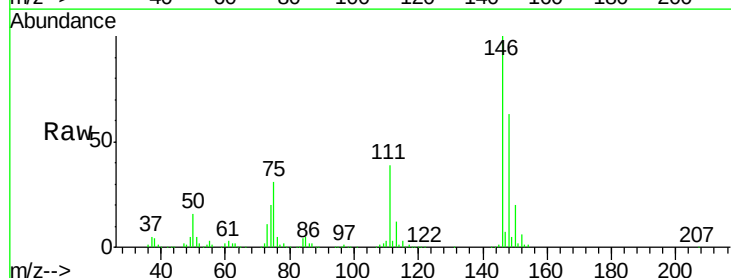
RT: 11.51 min Scan# 3396

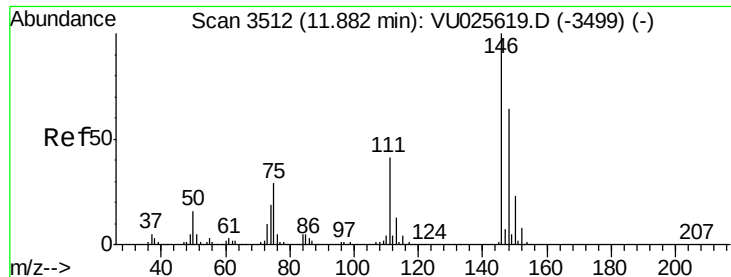
Delta R.T. -0.00 min

Lab File: VU025624.D

Acq: 24 Jul 2018 14:39

Tgt Ion	146	Resp:	252483
Ion	Ratio	Lower	Upper
146	100		
111	38.6	26.9	49.9
148	63.2	44.6	82.8

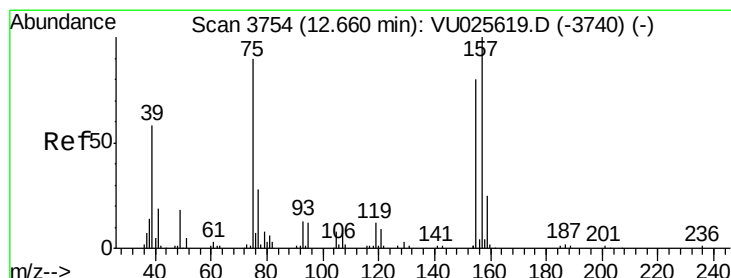
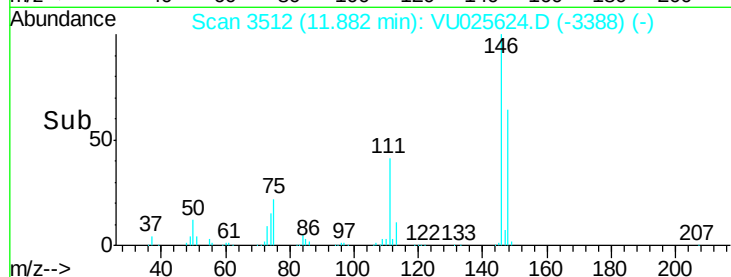
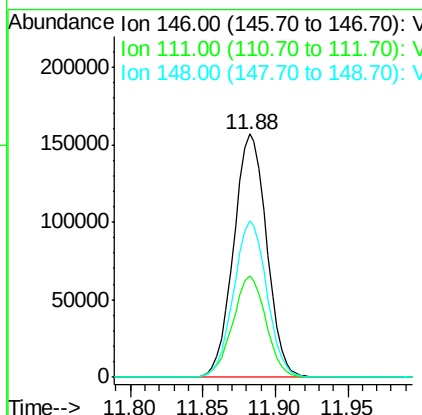
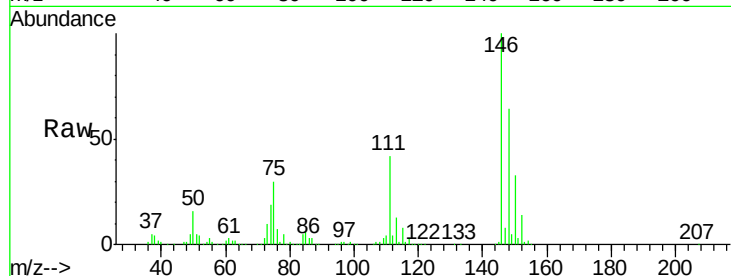




#65
 1,2-Dichlorobenzene
 Concen: 44.038 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025624.D
 Acq: 24 Jul 2018 14:39

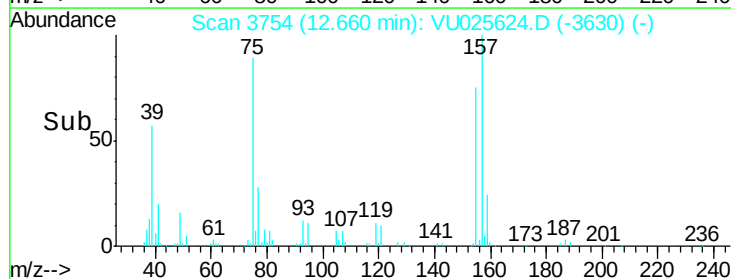
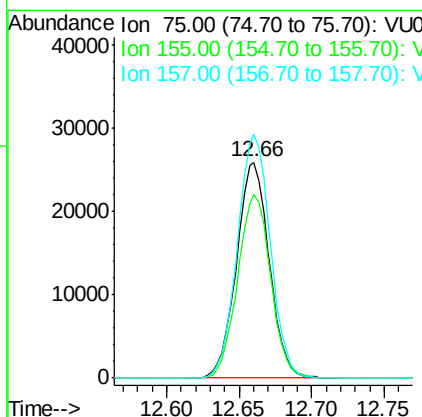
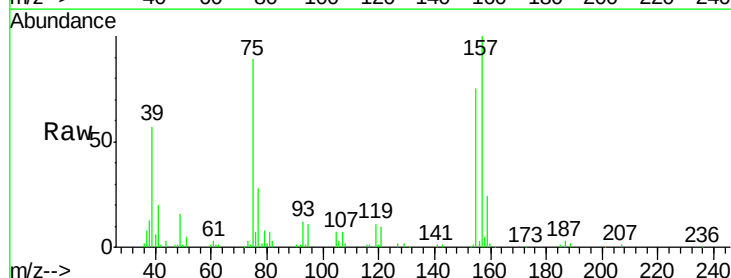
Instrument :
 MSVOA_U
 ClientSampleId :

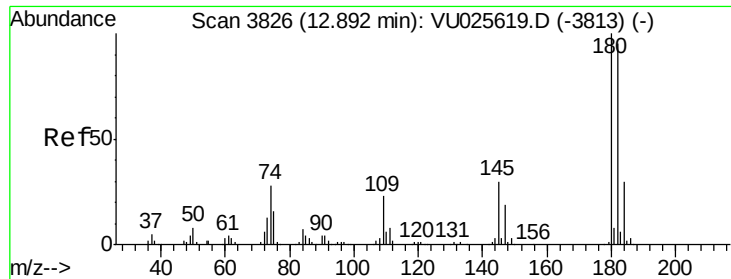
Tot Ion:146 Resp: 247806
 Ion Ratio Lower Upper
 146 100
 111 41.6 32.4 48.6
 148 64.2 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 45.819 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. -0.00 min
 Lab File: VU025624.D
 Acq: 24 Jul 2018 14:39

Tgt Ion: 75 Resp: 40549
 Ion Ratio Lower Upper
 75 100
 155 84.8 66.3 99.5
 157 112.9 91.5 137.3

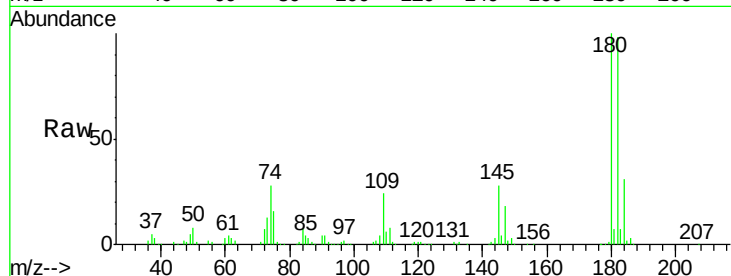




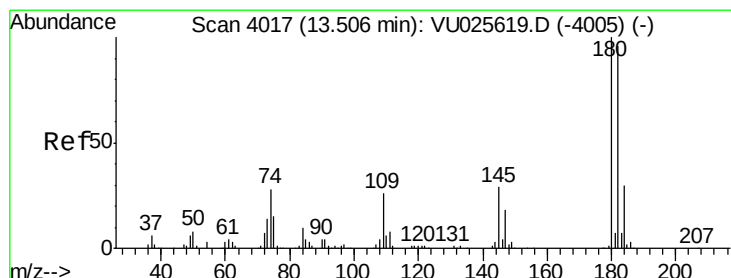
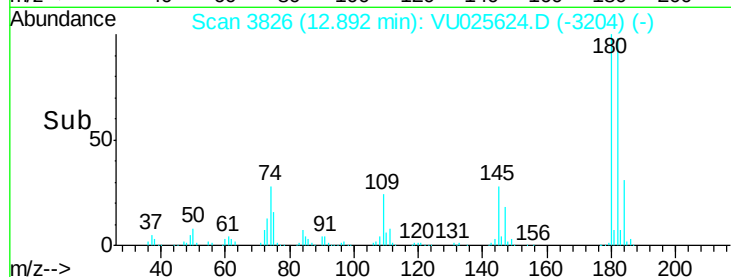
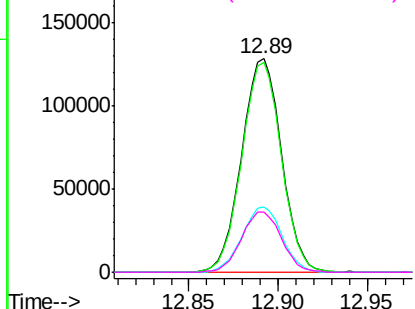
#67
 1,3,5-Trichlorobenzene
 Concen: 48.235 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. -0.00 min
 Lab File: VU025624.D
 Acq: 24 Jul 2018 14:39

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	199982
Ion	Ratio	Lower	Upper
180	100		
182	97.3	77.3	115.9
184	30.6	24.6	36.8
145	28.5	23.0	34.6

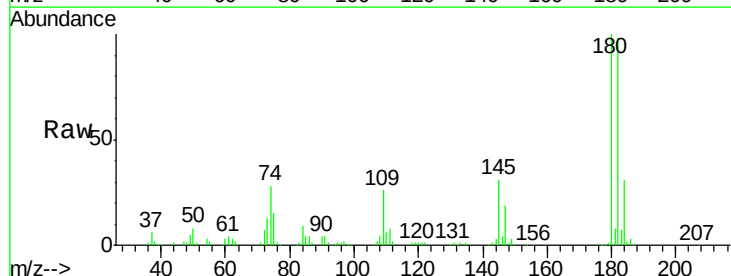


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

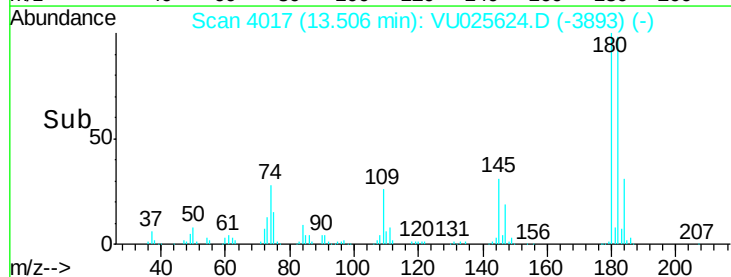
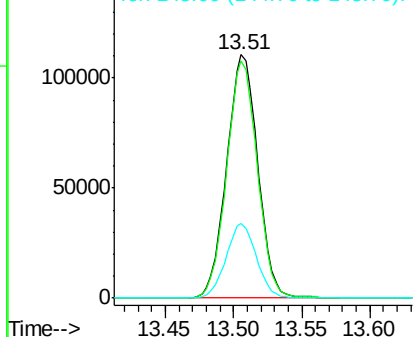


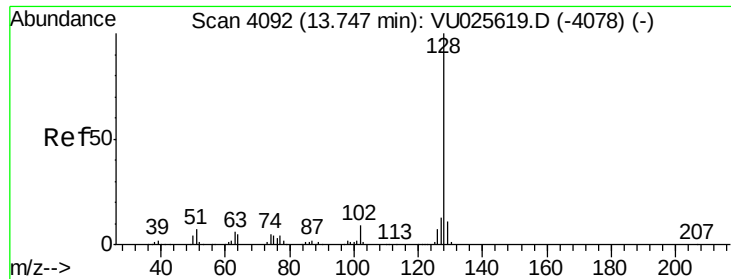
#68
 1,2,4-trichlorobenzene
 Concen: 50.290 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025624.D
 Acq: 24 Jul 2018 14:39

Tgt Ion:	180	Resp:	175233
Ion	Ratio	Lower	Upper
180	100		
182	96.1	78.1	117.1
145	29.9	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: 49.153 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. -0.00 min

Lab File: VU025624.D

Acq: 24 Jul 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

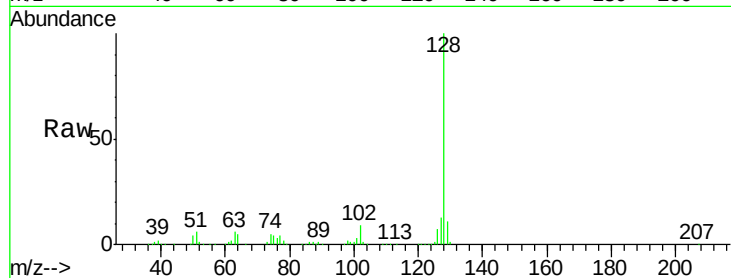
Tot Ion:128 Resp: 515064

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

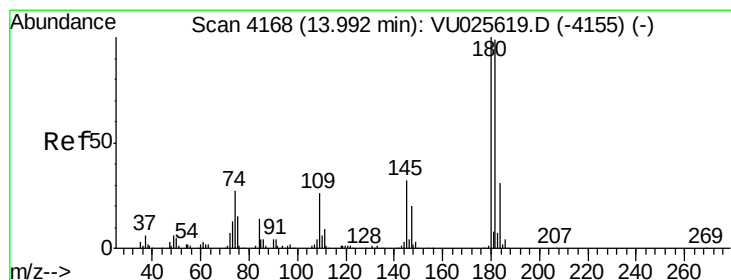
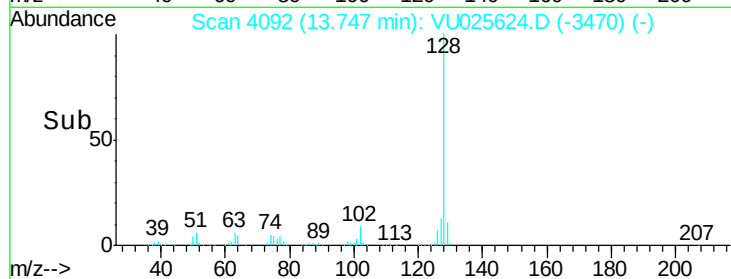
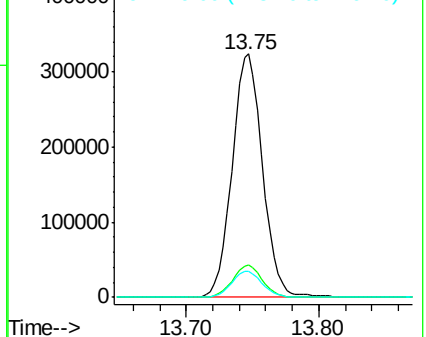
129 10.9 8.4 12.6



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: 48.505 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. -0.00 min

Lab File: VU025624.D

Acq: 24 Jul 2018 14:39

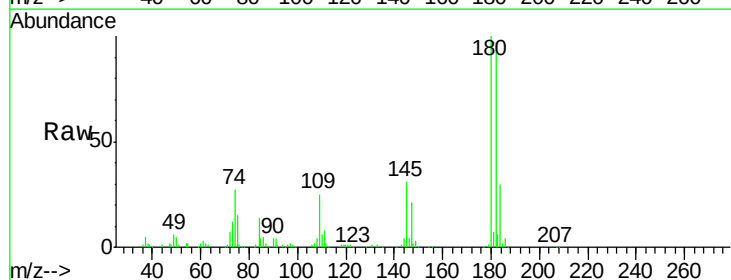
Tgt Ion:180 Resp: 178669

Ion Ratio Lower Upper

180 100

182 96.1 76.6 114.8

145 31.7 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

