

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082318\
 Data File : VU026287.D
 Acq On : 23 Aug 2018 10:21
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 24 01:11:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 07:46:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	281943	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	275084	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	147310	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	70539	41.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.04%
7) Chloroethane-d5	1.68	69	63810	45.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.27	63	157563	46.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.24%
21) 2-Butanone-d5	4.18	46	142531	103.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.85%
24) Chloroform-d	4.65	84	188268	49.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.24%
26) 1,2-Dichloroethane-d4	5.31	65	120434	48.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.56%
32) Benzene-d6	5.34	84	351655	47.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.56%
36) 1,2-Dichloropropane-d6	6.33	67	113496	48.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.06%
41) Toluene-d8	7.57	98	334316	47.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.06%
43) trans-1,3-Dichloropropene-	7.85	79	58792	48.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.32%
47) 2-Hexanone-d5	8.31	63	103289	102.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.28%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	172937	49.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.90%
64) 1,2-Dichlorobenzene-d4	11.86	152	148187	47.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.82%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	122363	55.271	ug/L 100
3) Chloromethane	1.33	50	114592	56.141	ug/L 98
5) Vinyl chloride	1.40	62	112906	54.902	ug/L 96
6) Bromomethane	1.62	94	74330	58.131	ug/L 96
8) Chloroethane	1.70	64	66641	56.509	ug/L 100
9) Trichlorofluoromethane	1.89	101	163408	56.101	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	94942	58.743	ug/L 99
12) 1,1-Dichloroethene	2.28	96	86524	58.308	ug/L 89
13) Acetone	2.32	43	129589	121.997	ug/L 100
14) Carbon disulfide	2.48	76	303194	53.258	ug/L 99
15) Methyl Acetate	2.62	43	112198	54.884	ug/L 100
16) Methylene chloride	2.70	84	111244	55.707	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	101942	55.734	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	310794	56.719	ug/L 99
19) 1,1-Dichloroethane	3.45	63	187327	56.240	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	111434	55.194	ug/L 99
22) 2-Butanone	4.26	43	164744	115.922	ug/L 98

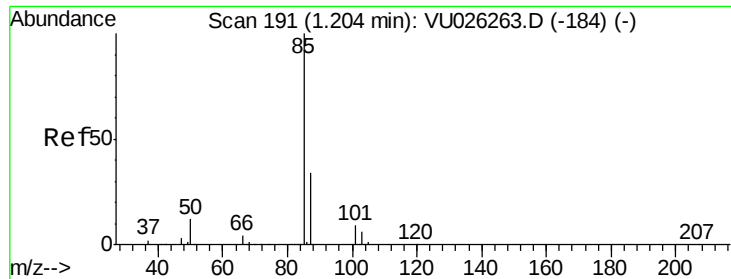
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082318\
 Data File : VU026287.D
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 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 07:46:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	61572	57.025	ug/L	94
25) Chloroform	4.67	83	199629	56.141	ug/L	99
27) 1,2-Dichloroethane	5.41	62	158484	55.950	ug/L	100
29) Cyclohexane	5.00	56	160899	57.035	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	178911	55.978	ug/L	99
31) Carbon tetrachloride	5.14	117	160357	53.366	ug/L	97
33) Benzene	5.39	78	418623	55.820	ug/L	100
34) Trichloroethene	6.19	95	109749	55.342	ug/L	99
35) Methylcyclohexane	6.42	83	177209	58.437	ug/L	99
37) 1,2-Dichloropropane	6.44	63	115417	56.313	ug/L	99
38) Bromodichloromethane	6.76	83	152809	55.758	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	178092	57.206	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	283825	109.266	ug/L	100
42) Toluene	7.64	91	457730	57.363	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	168722	56.326	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	107161	55.348	ug/L	98
46) Tetrachloroethene	8.23	164	96375	56.480	ug/L	94
48) 2-Hexanone	8.36	43	235418	112.614	ug/L	99
49) Dibromochloromethane	8.48	129	132166	55.544	ug/L	99
50) 1,2-Dibromoethane	8.59	107	116416	54.477	ug/L	100
51) Chlorobenzene	9.12	112	298809	54.749	ug/L	99
52) Ethylbenzene	9.25	91	499294	57.446	ug/L	100
53) m,p-Xylene	9.38	106	197360	58.749	ug/L	96
54) o-xylene	9.78	106	187393	57.188	ug/L	99
55) Styrene	9.80	104	331758	59.313	ug/L	96
56) Isopropylbenzene	10.17	105	500385	58.865	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	179347	54.731	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	137273	53.725	ug/L	99
61) Bromoform	9.96	173	99476	54.512	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	240382	55.357	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	254060	55.372	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	250734	54.897	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	39552	51.838	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	193683	56.821	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	166388	55.918	ug/L	99
69) Naphthalene	13.74	128	512039	57.763	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	177953	56.132	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 55.271 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU026287.D

Acq: 23 Aug 2018 10:21

Instrument :

MSVOA_U

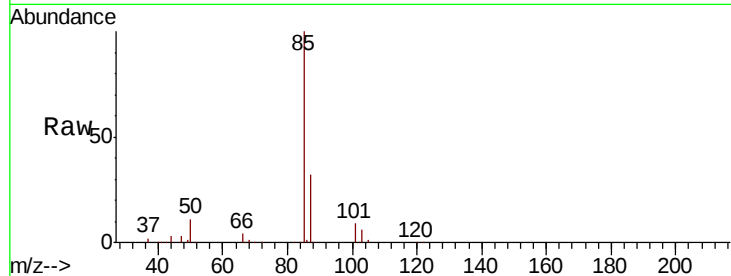
ClientSampleId :

Tot Ion: 85 Resp: 122363

Ion Ratio Lower Upper

85 100

87 32.2 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

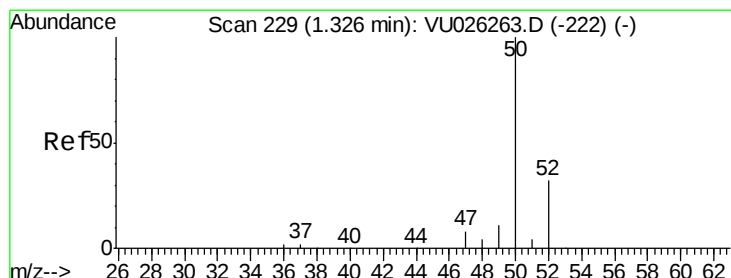
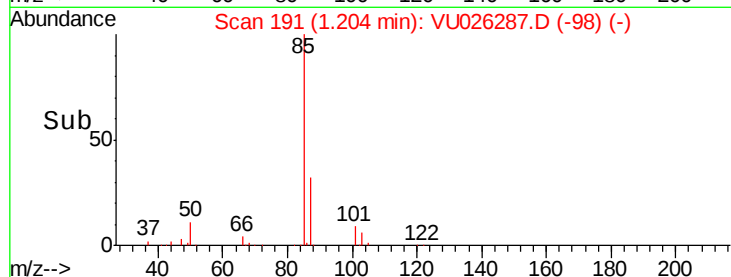
1.20

100000

50000

0

Time--> 1.15 1.20 1.25



#3

Chloromethane

Concen: 56.141 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU026287.D

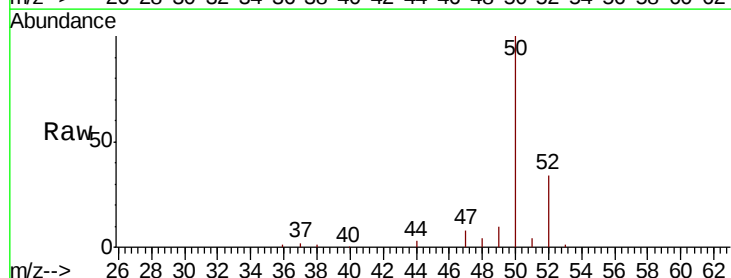
Acq: 23 Aug 2018 10:21

Tgt Ion: 50 Resp: 114592

Ion Ratio Lower Upper

50 100

52 33.6 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

1.33

120000

100000

80000

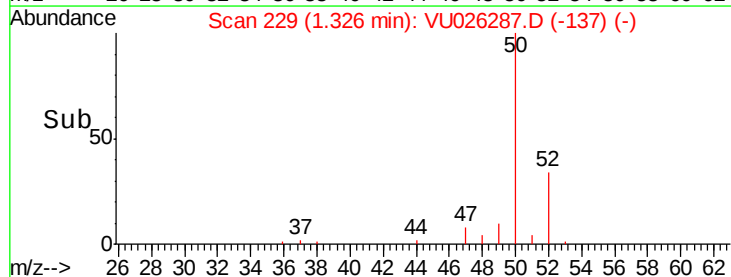
60000

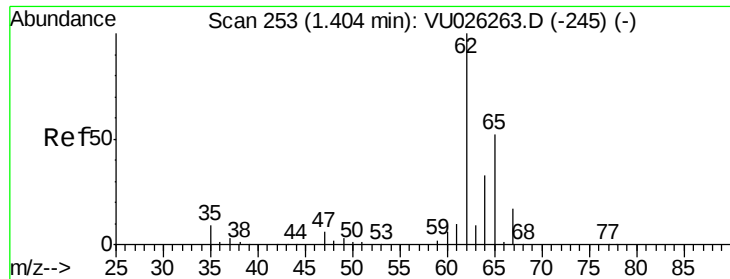
40000

20000

0

Time--> 1.30 1.35





#5

Vinyl chloride

Concen: 54.902 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU026287.D

Acq: 23 Aug 2018 10:21

Instrument :

MSVOA_U

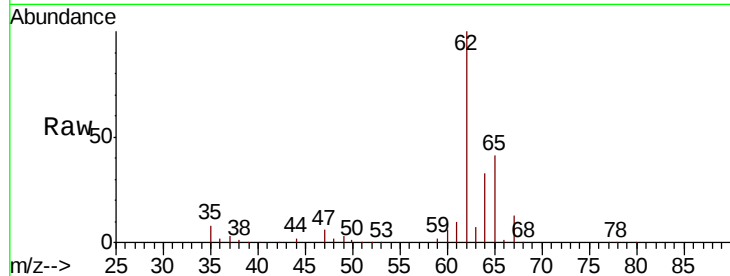
ClientSampleId :

Tot Ion: 62 Resp: 112906

Ion Ratio Lower Upper

62 100

64 32.6 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

120000

100000

80000

60000

40000

20000

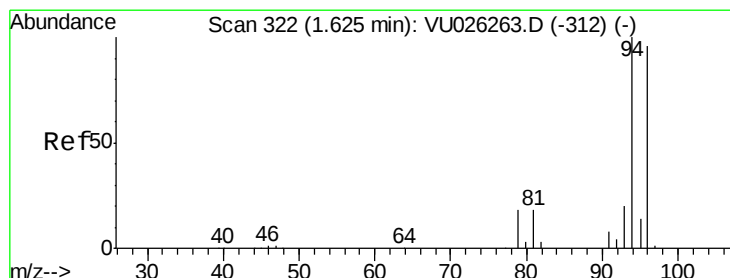
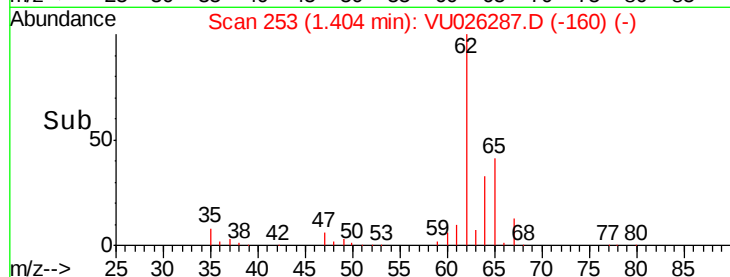
0

1.35

1.40

1.45

Time-->



#6

Bromomethane

Concen: 58.131 ug/L

RT: 1.62 min Scan# 321

Delta R.T. -0.00 min

Lab File: VU026287.D

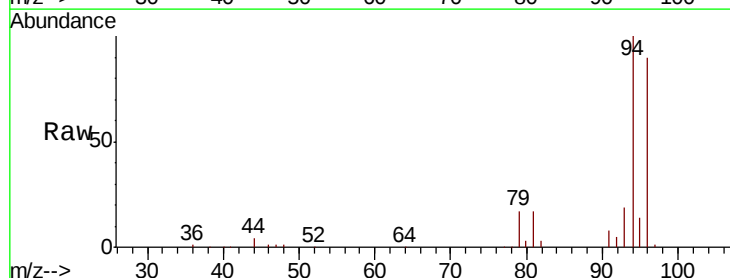
Acq: 23 Aug 2018 10:21

Tgt Ion: 94 Resp: 74330

Ion Ratio Lower Upper

94 100

96 89.9 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

60000

50000

40000

30000

20000

10000

0

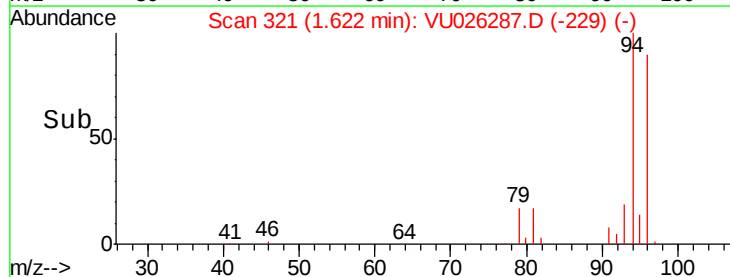
1.55

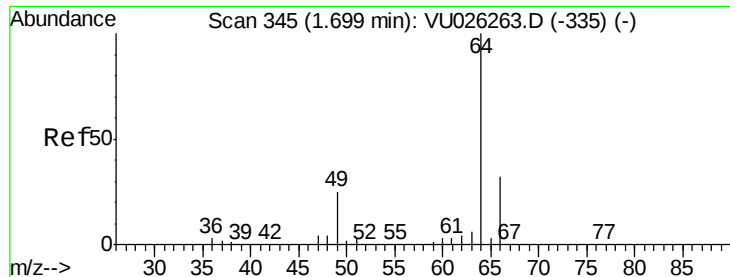
1.60

1.65

1.70

Time-->

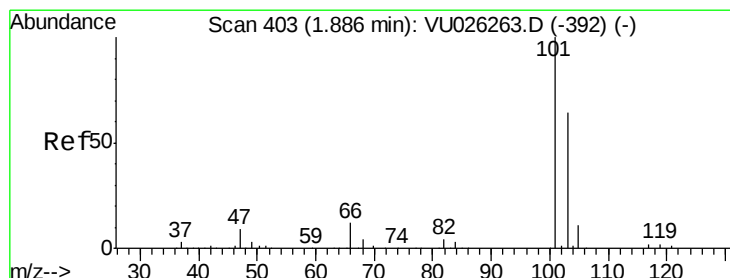
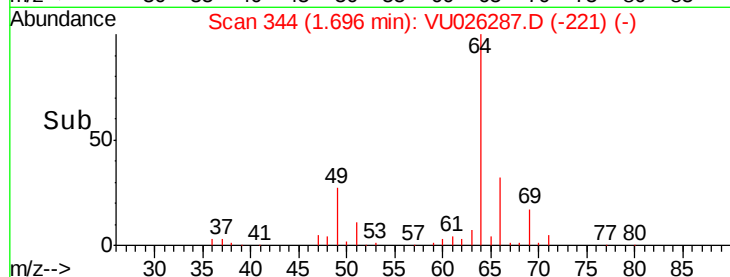
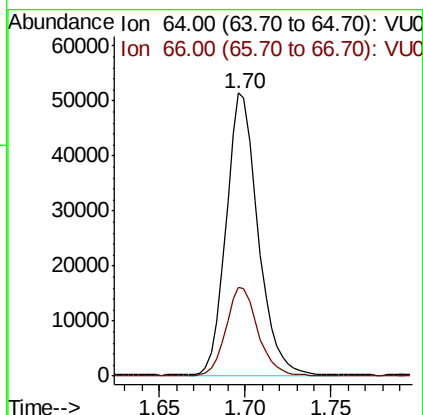
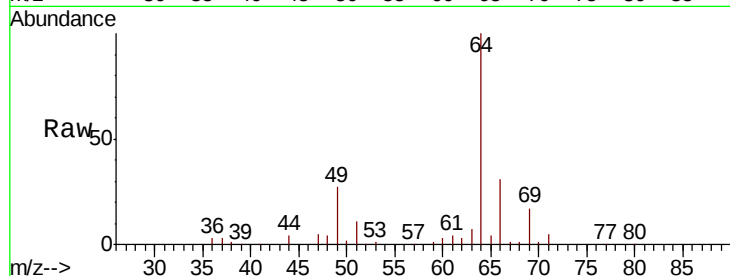




#8
Chloroethane
Concen: 56.509 ug/L
RT: 1.70 min Scan# 344
Delta R.T. -0.00 min
Lab File: VU026287.D
Acq: 23 Aug 2018 10:21

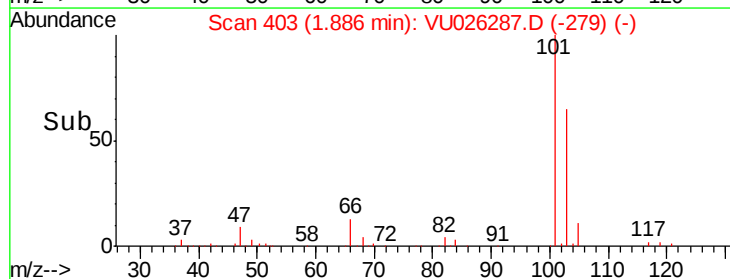
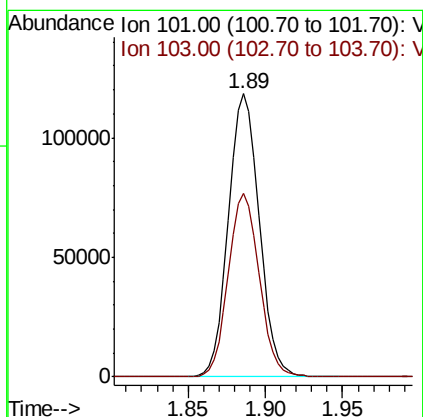
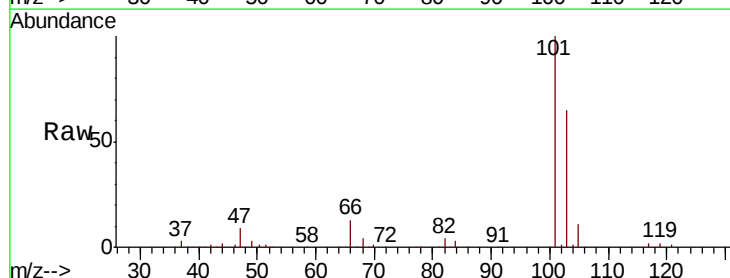
Instrument :
MSVOA_U
ClientSampleId :

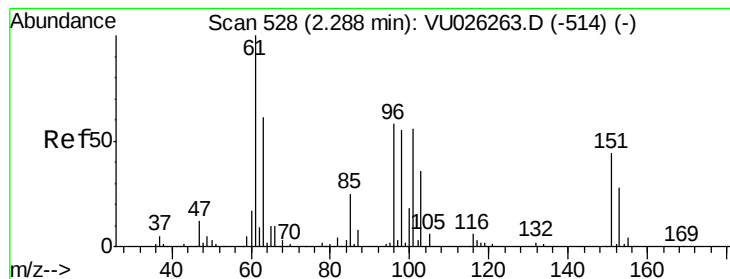
Tot Ion: 64 Resp: 66641
Ion Ratio Lower Upper
64 100
66 31.4 21.9 40.7



#9
Trichlorofluoromethane
Concen: 56.101 ug/L
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU026287.D
Acq: 23 Aug 2018 10:21

Tgt Ion:101 Resp: 163408
Ion Ratio Lower Upper
101 100
103 65.1 51.7 77.5





#10

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

Concen: 58.743 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026287.D

Acq: 23 Aug 2018 10:21

Instrument :

MSVOA_U

ClientSampleId :

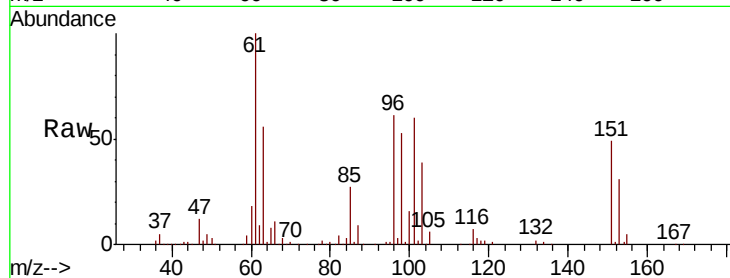
Tot Ion:101 Resp: 94942

Ion Ratio Lower Upper

101 100

85 44.9 35.8 53.6

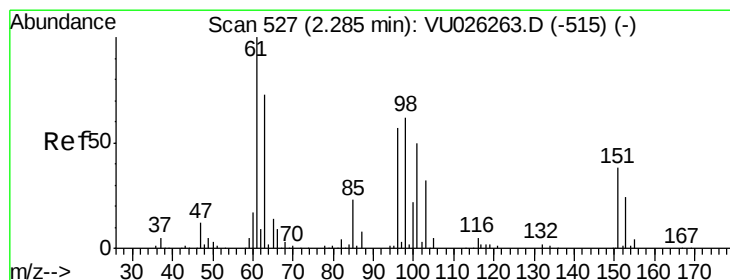
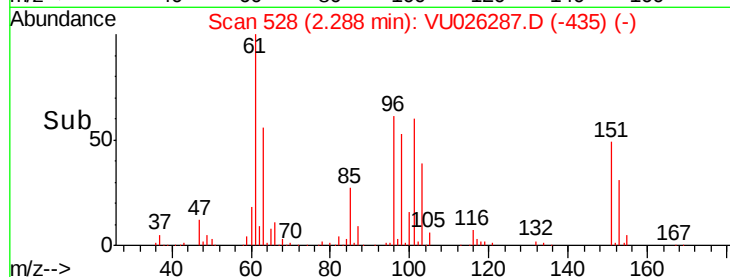
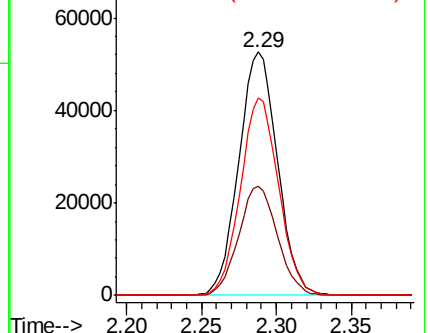
151 80.0 63.3 94.9



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: 58.308 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026287.D

Acq: 23 Aug 2018 10:21

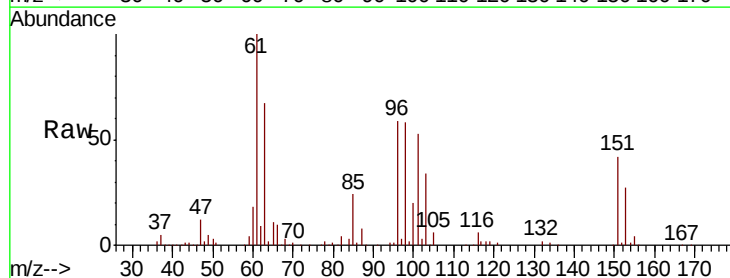
Tgt Ion: 96 Resp: 86524

Ion Ratio Lower Upper

96 100

61 168.9 124.7 231.5

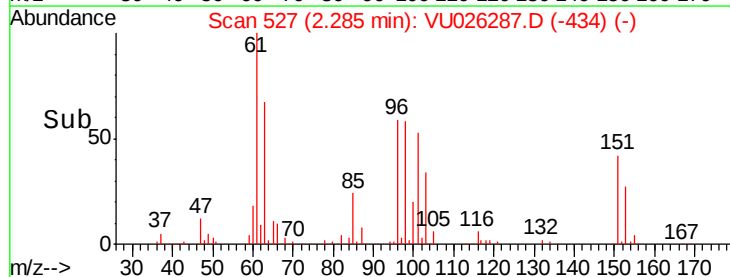
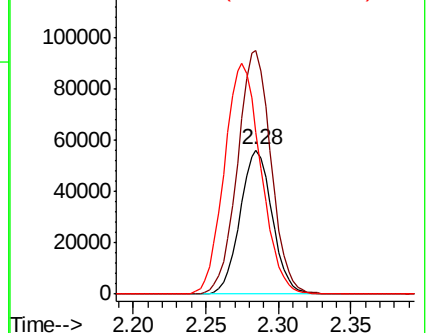
63 112.5 93.7 174.1

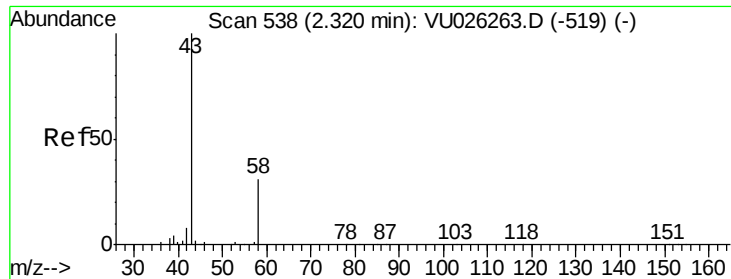


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 121.997 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026287.D

Acq: 23 Aug 2018 10:21

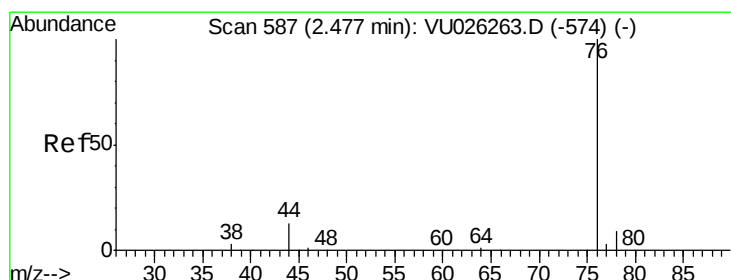
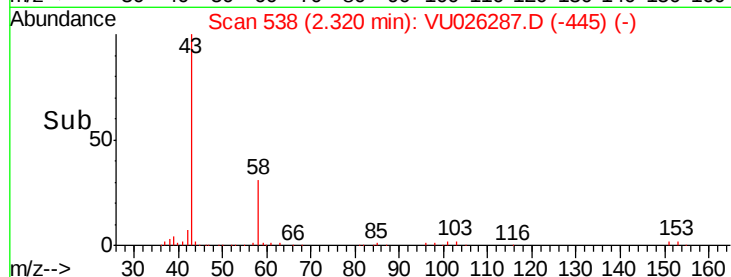
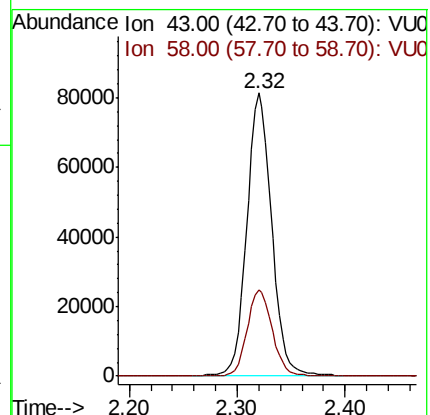
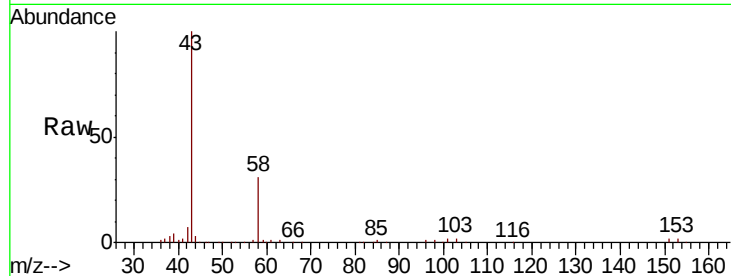
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 129589

Ion Ratio Lower Upper

43 100

58 30.8 0.0 61.2



#14

Carbon disulfide

Concen: 53.258 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU026287.D

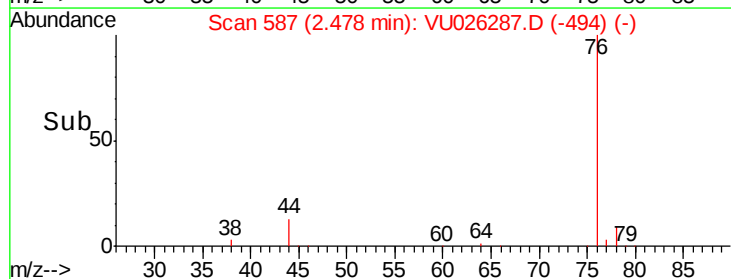
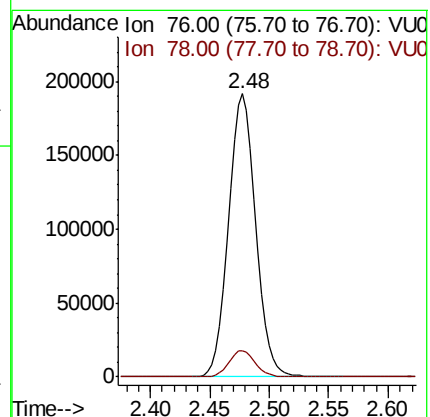
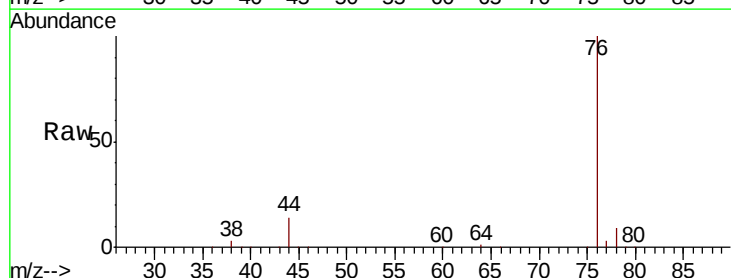
Acq: 23 Aug 2018 10:21

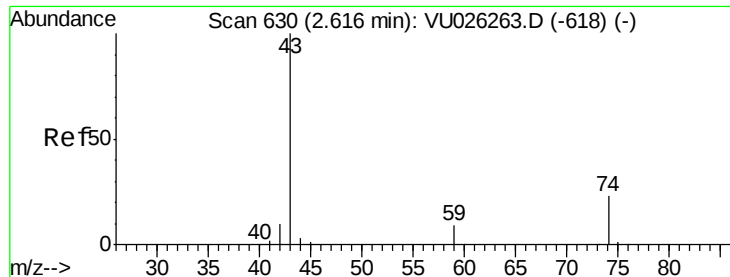
Tgt Ion: 76 Resp: 303194

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8

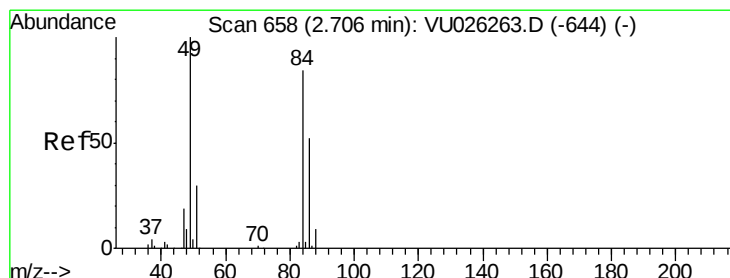
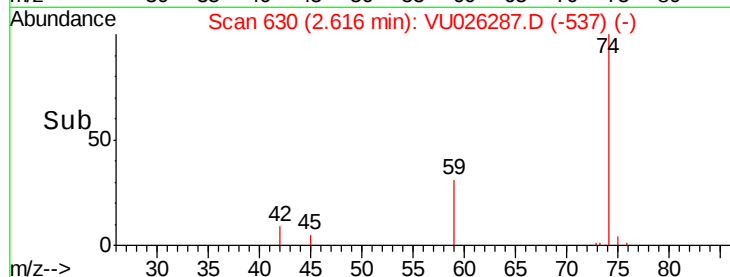
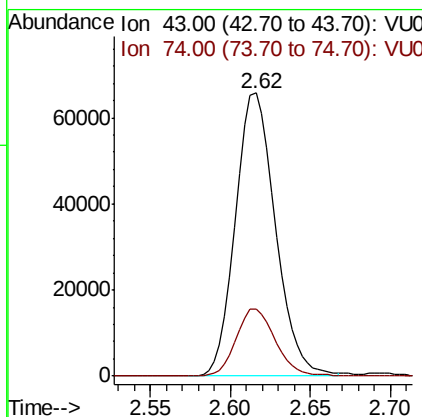
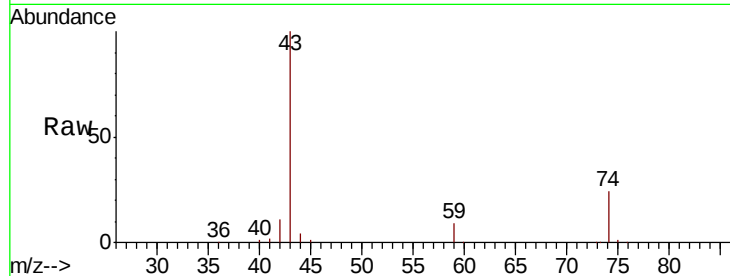




#15
Methvl Acetate
Concen: 54.884 ug/L
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU026287.D
Acq: 23 Aug 2018 10:21

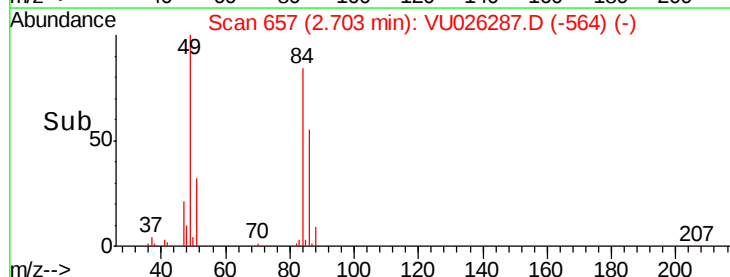
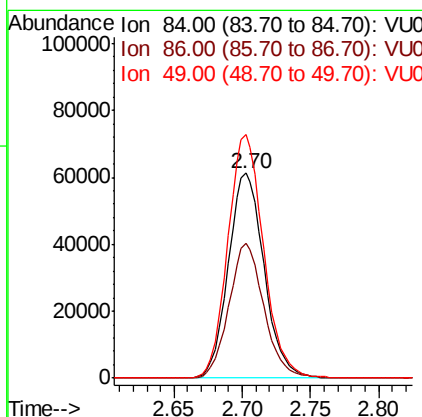
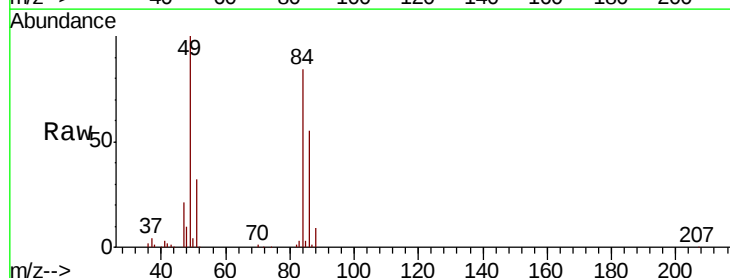
Instrument :
MSVOA_U
ClientSampleId :

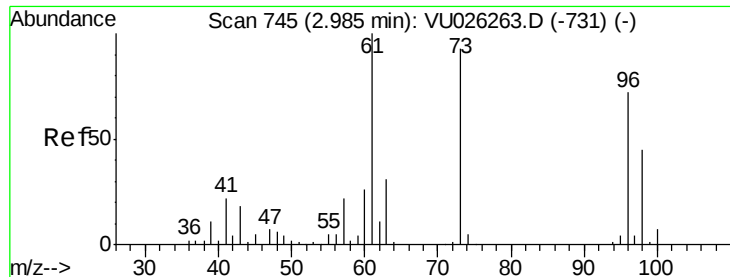
Tot Ion: 43 Resp: 112198
Ion Ratio Lower Upper
43 100
74 23.3 18.6 27.8



#16
Methylene chloride
Concen: 55.707 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU026287.D
Acq: 23 Aug 2018 10:21

Tgt Ion: 84 Resp: 111244
Ion Ratio Lower Upper
84 100
86 65.8 45.4 84.4
49 119.0 85.3 158.5

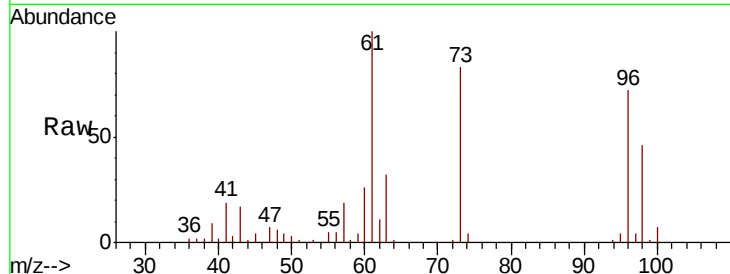




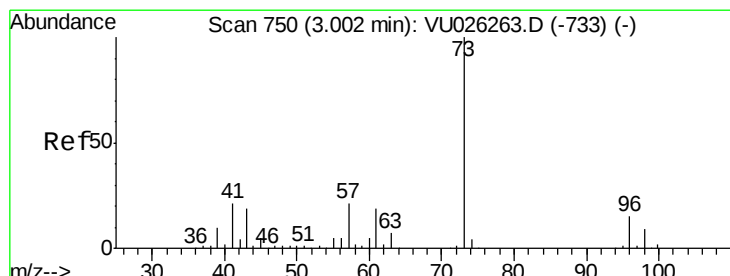
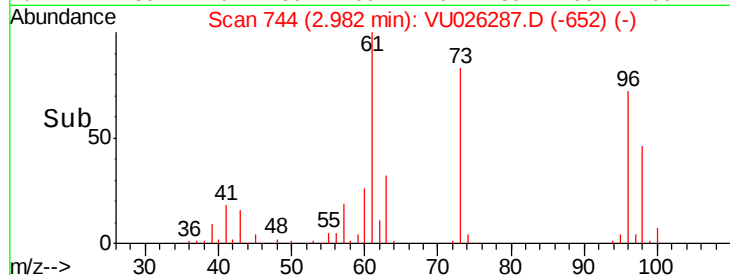
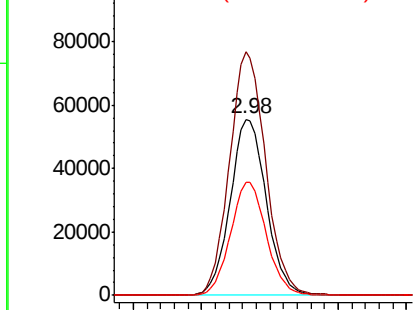
#17
trans-1,2-Dichloroethene
Concen: 55.734 ug/L
RT: 2.98 min Scan# 744
Delta R.T. -0.00 min
Lab File: VU026287.D
Acq: 23 Aug 2018 10:21

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 101942
Ion Ratio Lower Upper
96 100
61 138.2 97.9 181.9
98 64.1 45.1 83.7

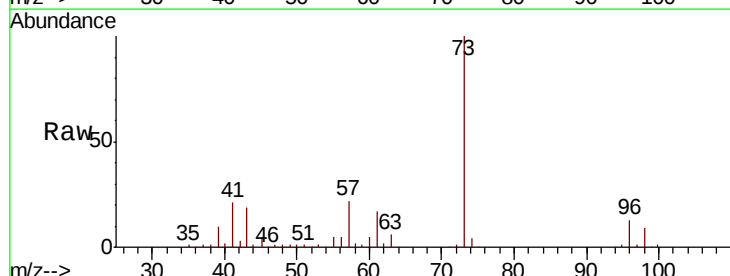


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

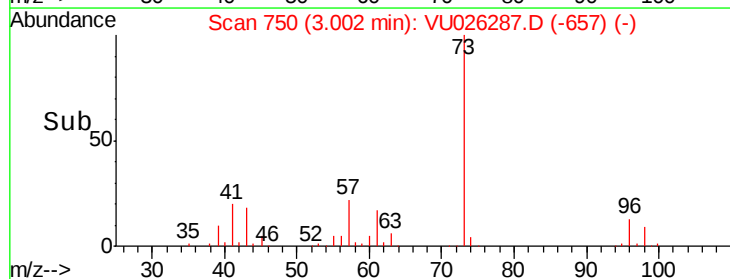
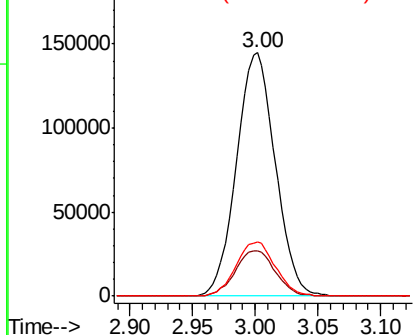


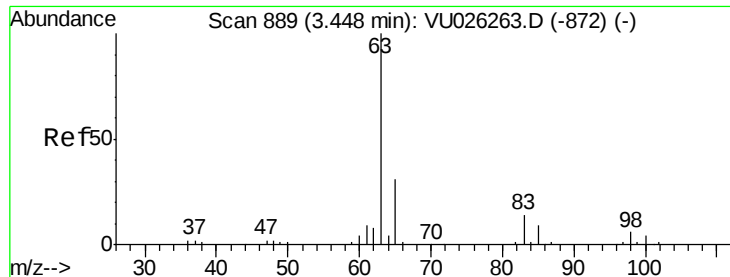
#18
Methyl tert-butyl Ether
Concen: 56.719 ug/L
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU026287.D
Acq: 23 Aug 2018 10:21

Tgt Ion: 73 Resp: 310794
Ion Ratio Lower Upper
73 100
43 19.3 15.7 23.5
57 22.6 17.5 26.3



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

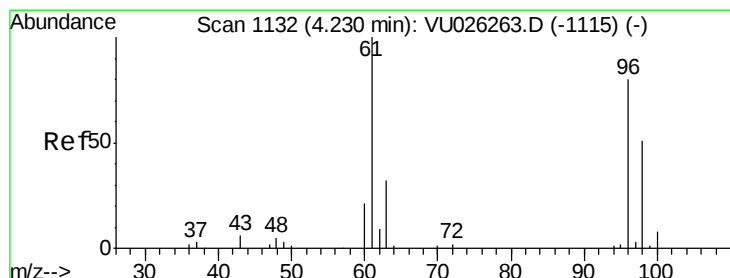
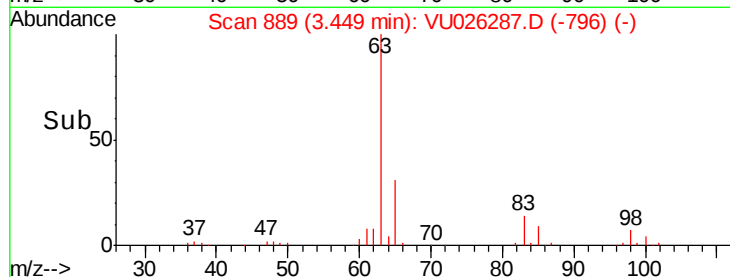
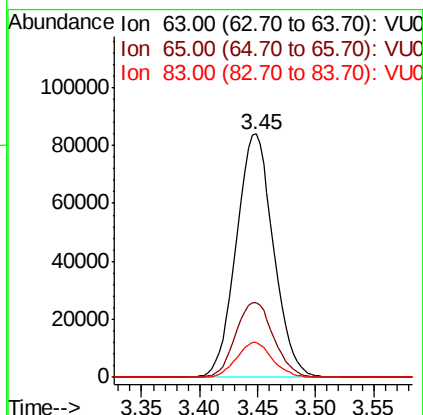
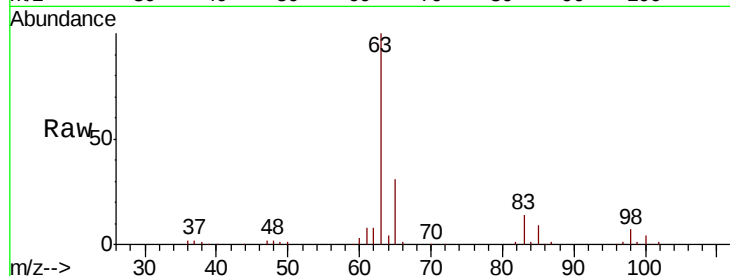




#19
 1,1-Dichloroethane
 Concen: 56.240 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU026287.D
 Acq: 23 Aug 2018 10:21

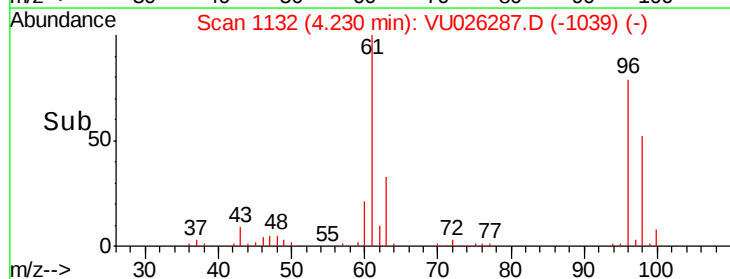
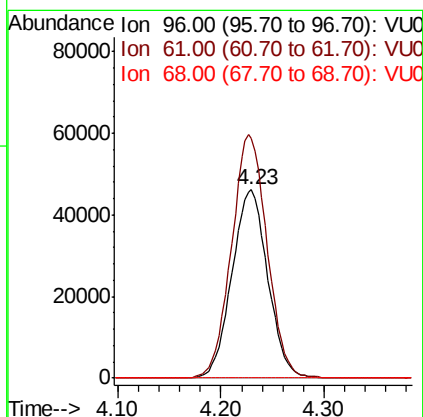
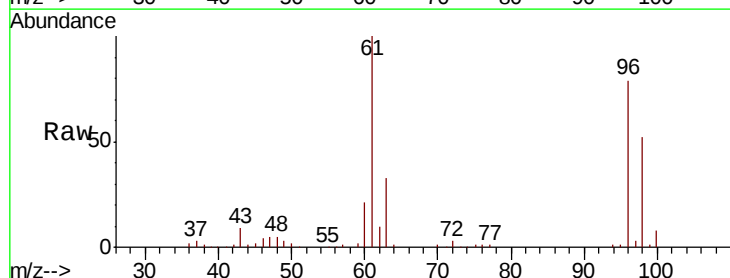
Instrument :
 MSVOA_U
 ClientSampled :

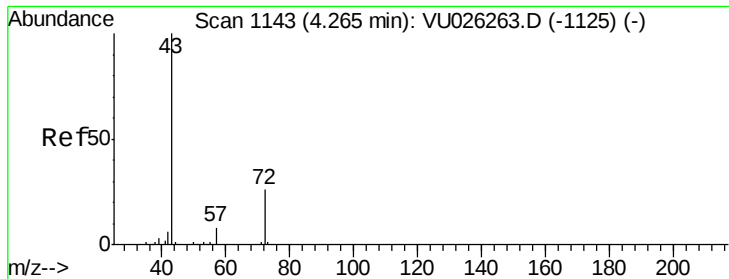
Tot Ion: 63 Resp: 187327
 Ion Ratio Lower Upper
 63 100
 65 30.9 21.4 39.8
 83 14.2 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 55.194 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU026287.D
 Acq: 23 Aug 2018 10:21

Tgt Ion: 96 Resp: 111434
 Ion Ratio Lower Upper
 96 100
 61 127.3 90.3 167.7
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 115.922 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU026287.D

Acq: 23 Aug 2018 10:21

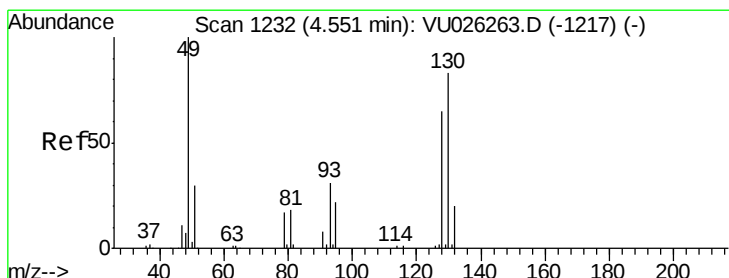
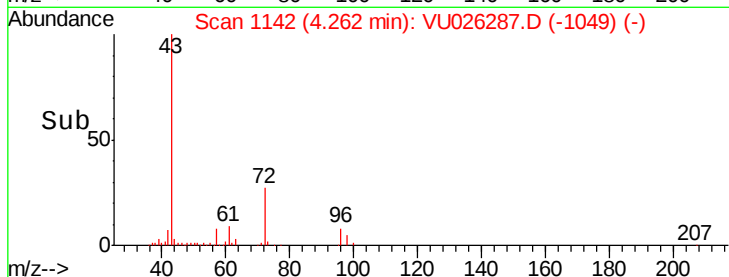
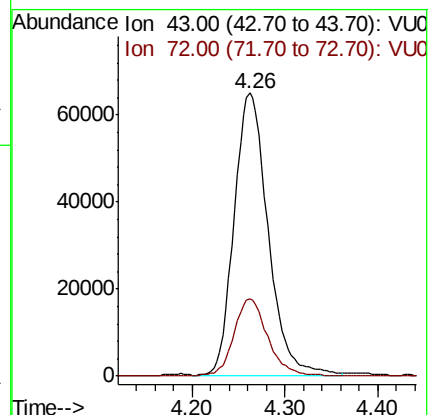
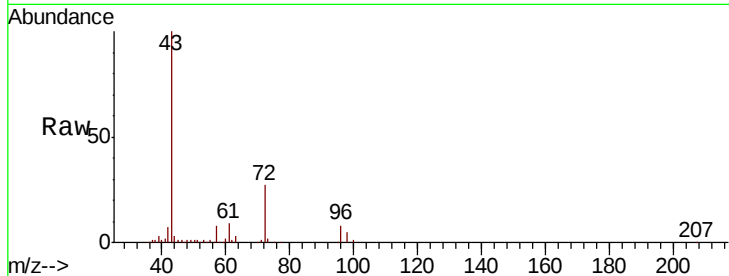
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 164744

Ion Ratio Lower Upper

43 100

72 27.0 14.1 42.3



#23

Bromochloromethane

Concen: 57.025 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026287.D

Acq: 23 Aug 2018 10:21

Tgt Ion:128 Resp: 61572

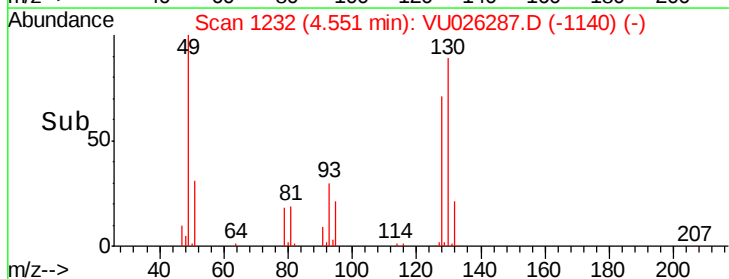
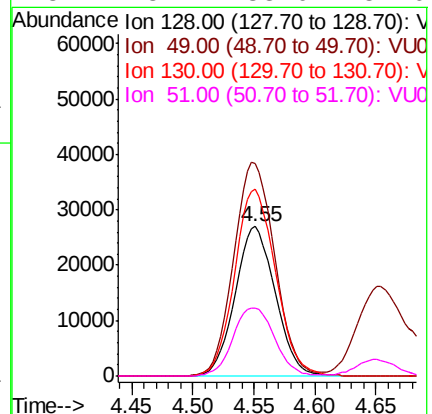
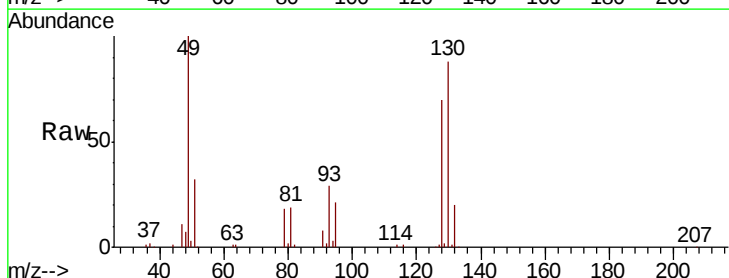
Ion Ratio Lower Upper

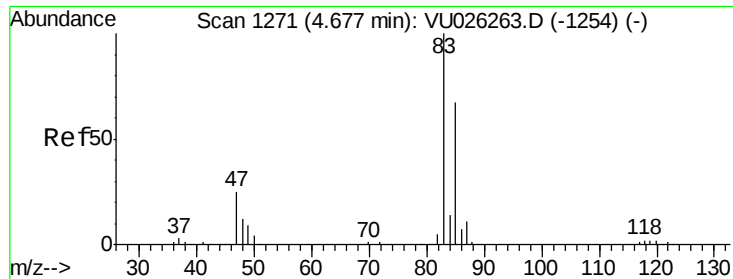
128 100

49 142.3 106.7 198.3

130 125.0 91.7 170.3

51 45.7 38.0 57.0

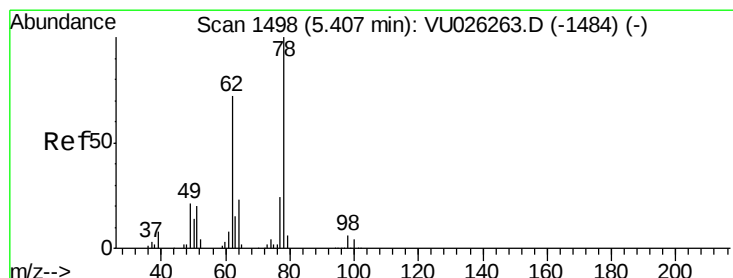
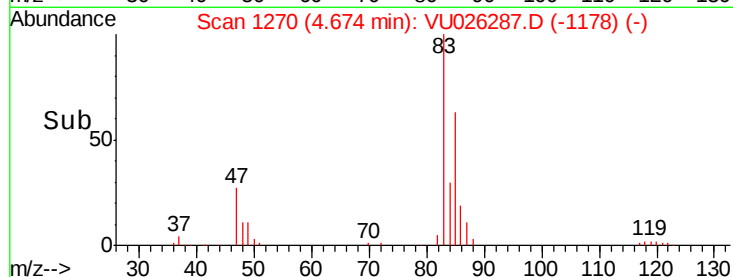
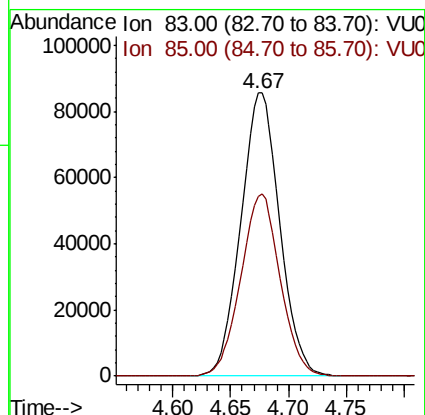
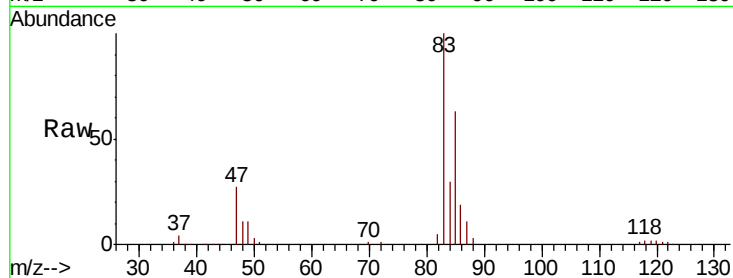




#25
Chloroform
Concen: 56.141 ug/L
RT: 4.67 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU026287.D
Acq: 23 Aug 2018 10:21

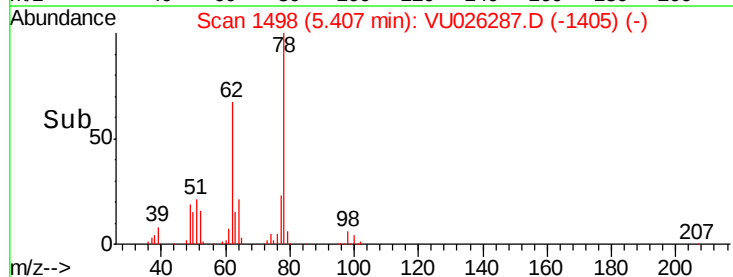
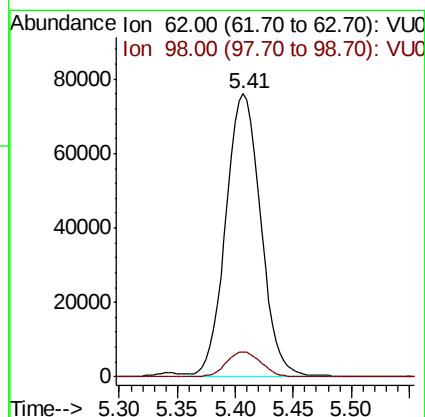
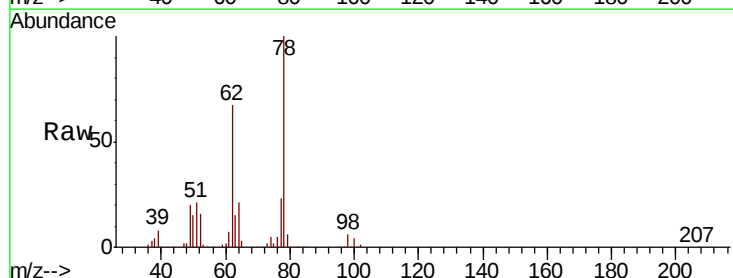
Instrument :
MSVOA_U
ClientSampleId :

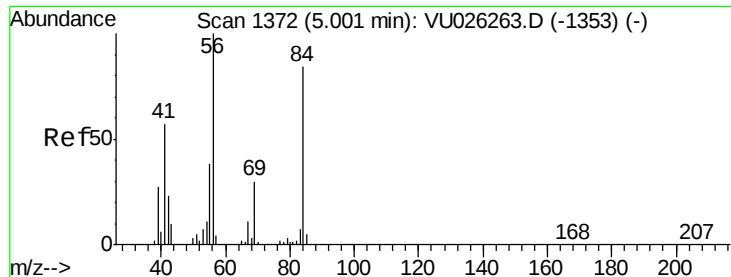
Tot Ion: 83 Resp: 199629
Ion Ratio Lower Upper
83 100
85 63.4 45.0 83.6



#27
1,2-Dichloroethane
Concen: 55.950 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU026287.D
Acq: 23 Aug 2018 10:21

Tgt Ion: 62 Resp: 158484
Ion Ratio Lower Upper
62 100
98 8.9 7.2 10.8

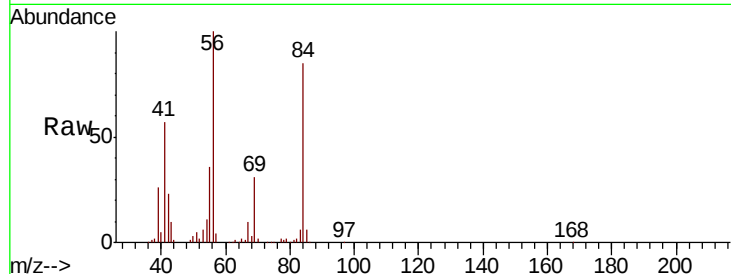




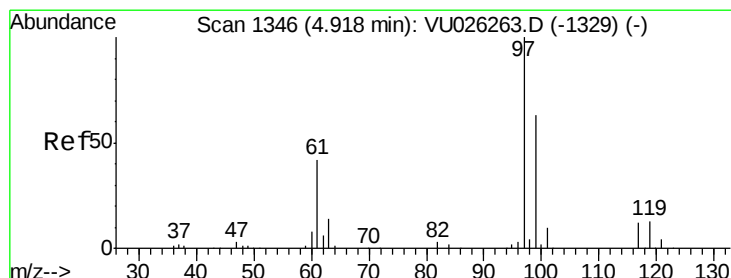
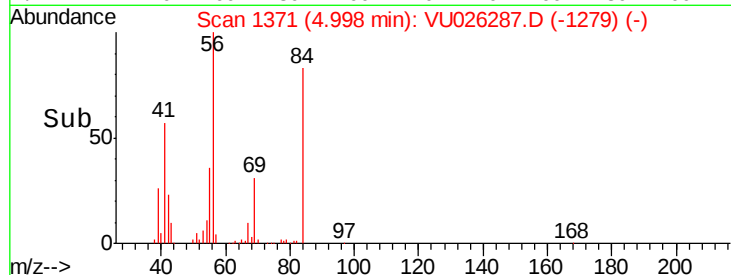
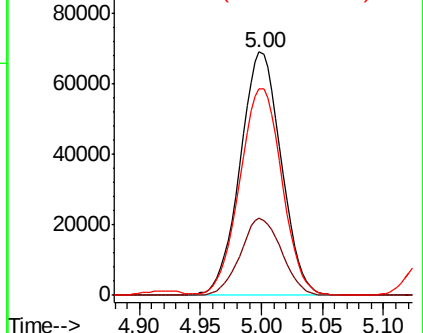
#29
Cyclohexane
Concen: 57.035 ug/L
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU026287.D
Acq: 23 Aug 2018 10:21

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 160899
Ion Ratio Lower Upper
56 100
69 31.7 24.6 37.0
84 87.5 70.1 105.1

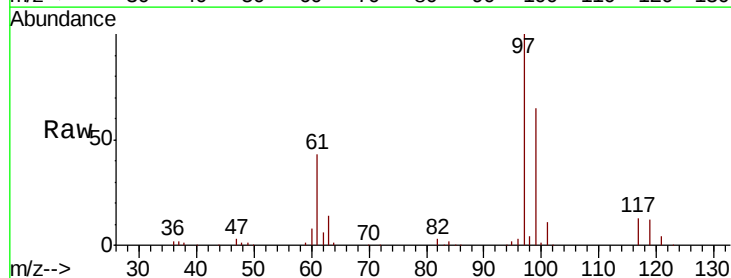


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

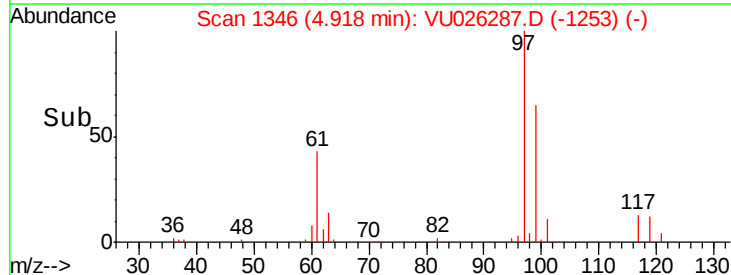
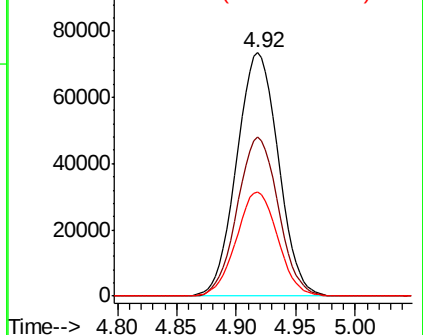


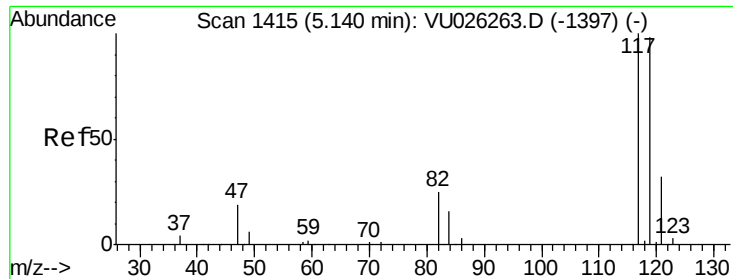
#30
1,1,1-Trichloroethane
Concen: 55.978 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU026287.D
Acq: 23 Aug 2018 10:21

Tgt Ion: 97 Resp: 178911
Ion Ratio Lower Upper
97 100
99 64.4 52.0 78.0
61 42.6 34.2 51.4



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

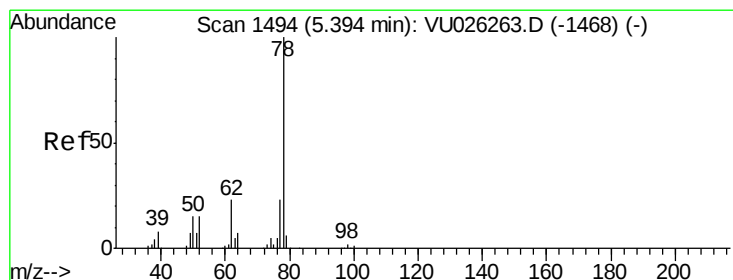
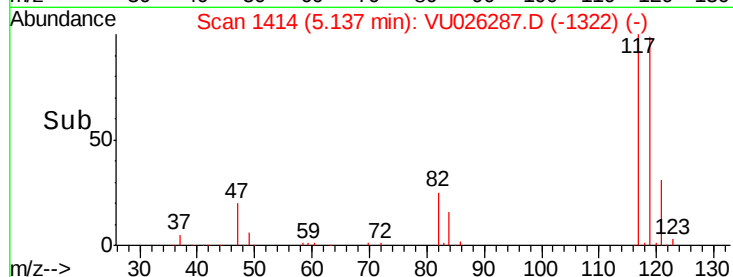
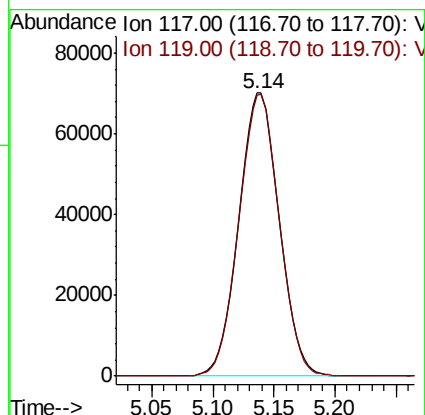
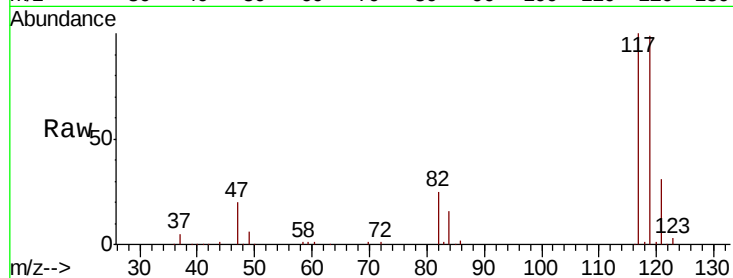




#31
Carbon tetrachloride
Concen: 53.366 ug/L
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU026287.D
Acq: 23 Aug 2018 10:21

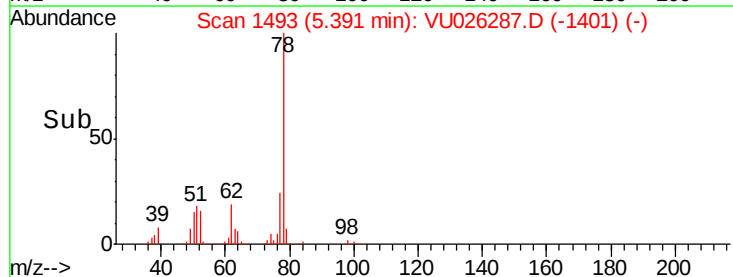
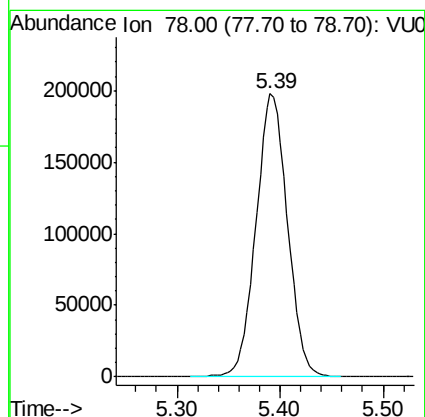
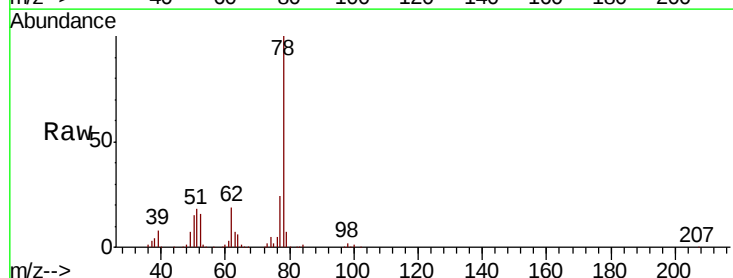
Instrument :
MSVOA_U
ClientSampleId :

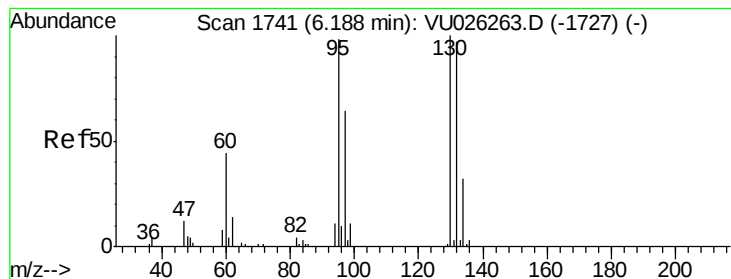
Tot Ion:117 Resp: 160357
Ion Ratio Lower Upper
117 100
119 99.3 77.2 115.8



#33
Benzene
Concen: 55.820 ug/L
RT: 5.39 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VU026287.D
Acq: 23 Aug 2018 10:21

Tgt Ion: 78 Resp: 418623





#34

Trichloroethene

Concen: 55.342 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026287.D

Acq: 23 Aug 2018 10:21

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 95 Resp: 109749

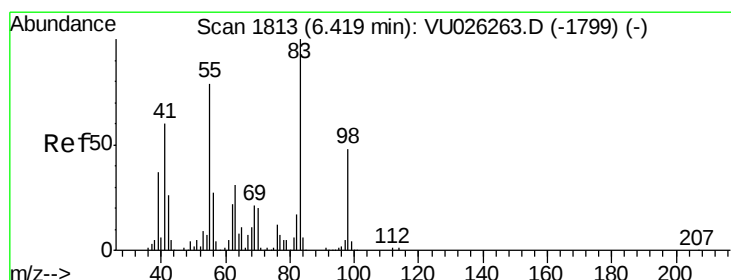
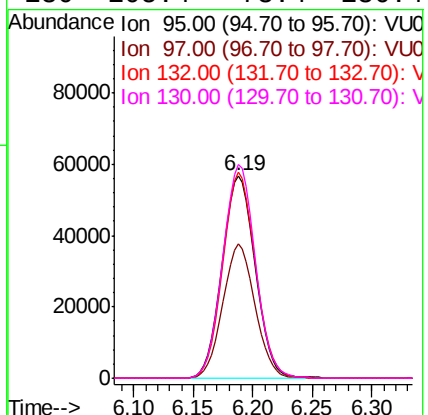
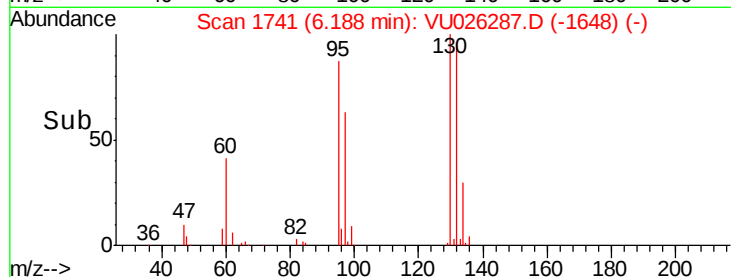
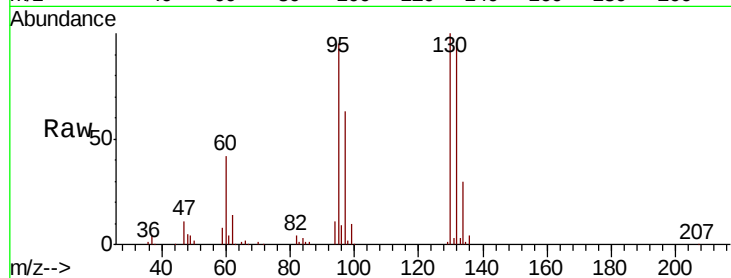
Ion Ratio Lower Upper

95 100

97 66.3 47.2 87.6

132 101.6 70.2 130.4

130 105.4 73.4 136.4



#35

Methylcyclohexane

Concen: 58.437 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU026287.D

Acq: 23 Aug 2018 10:21

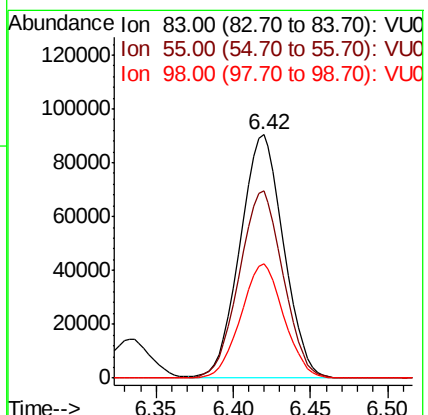
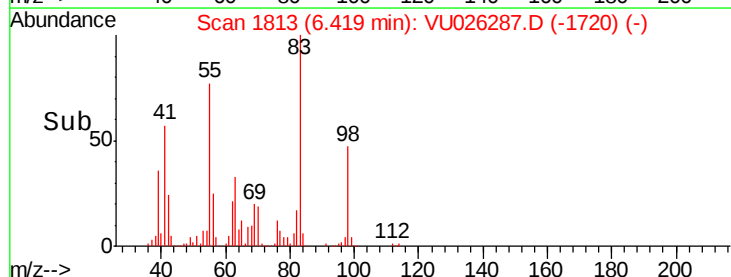
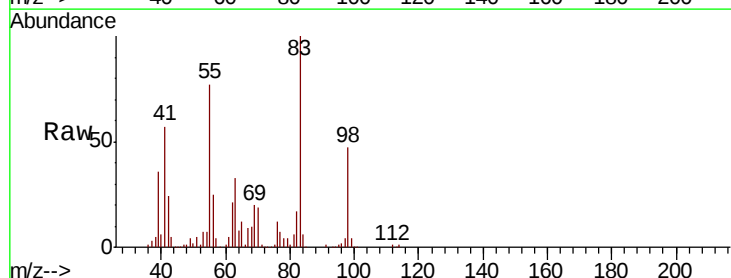
Tgt Ion: 83 Resp: 177209

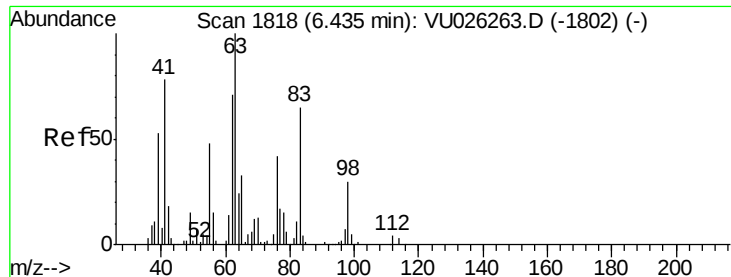
Ion Ratio Lower Upper

83 100

55 77.5 60.6 91.0

98 46.3 36.8 55.2

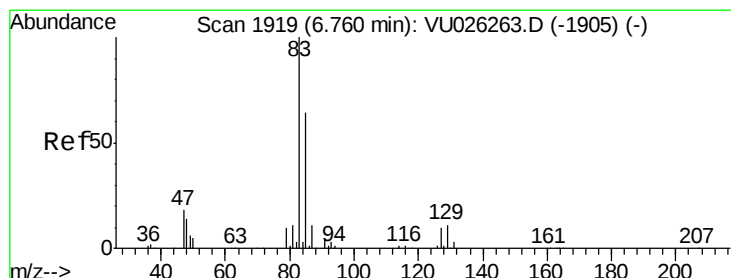
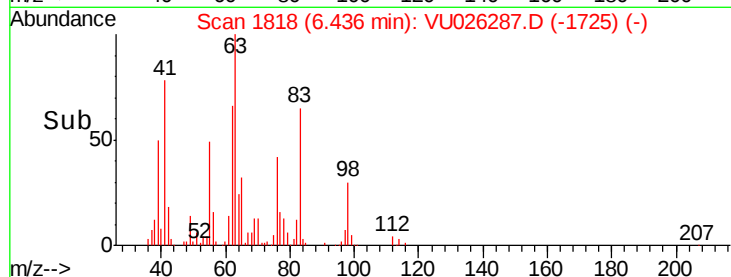
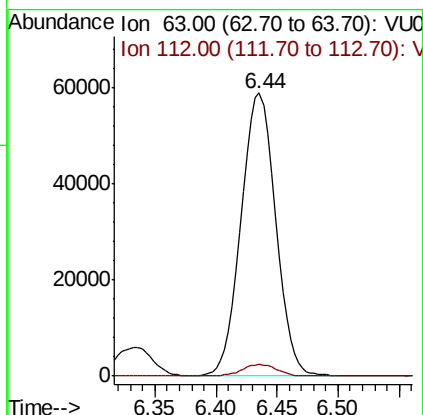
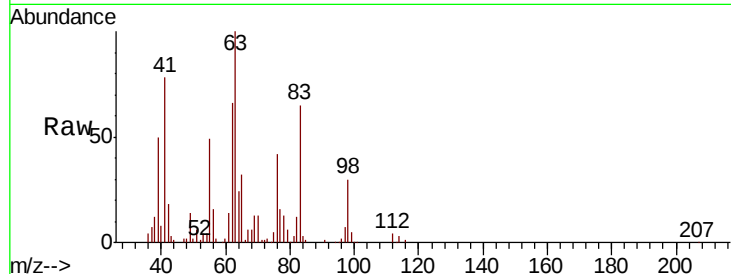




#37
 1,2-Dichloropropane
 Concen: 56.313 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU026287.D
 Acq: 23 Aug 2018 10:21

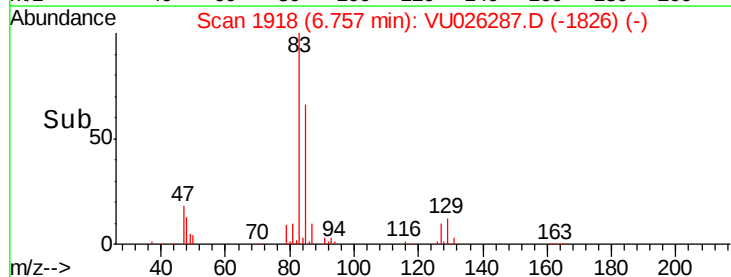
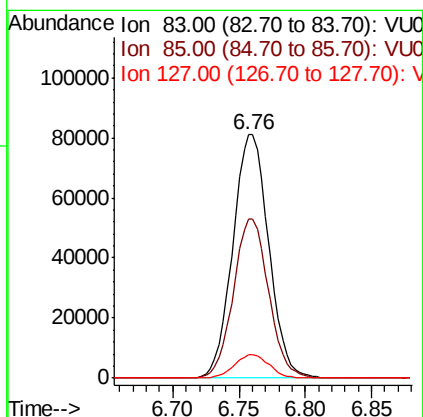
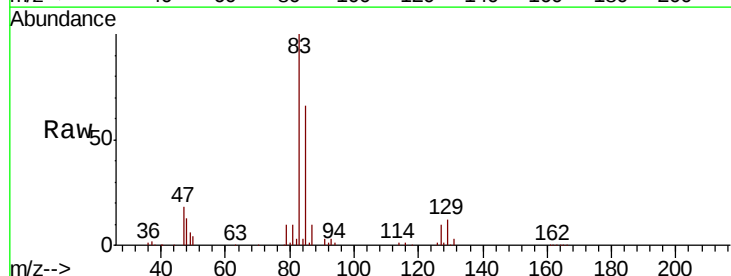
Instrument :
 MSVOA_U
 ClientSampleId :

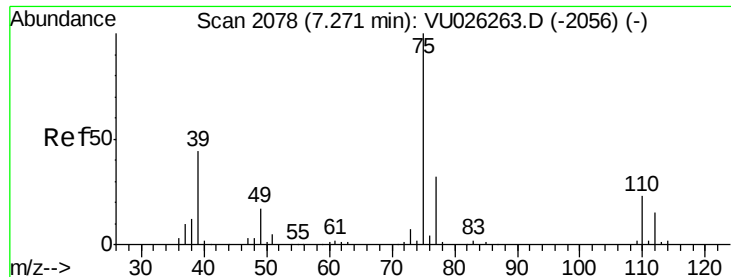
Tot Ion: 63 Resp: 115417
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.4 5.2



#38
 Bromodichloromethane
 Concen: 55.758 ug/L
 RT: 6.76 min Scan# 1918
 Delta R.T. -0.00 min
 Lab File: VU026287.D
 Acq: 23 Aug 2018 10:21

Tgt Ion: 83 Resp: 152809
 Ion Ratio Lower Upper
 83 100
 85 65.6 46.3 86.1
 127 9.7 7.8 11.6

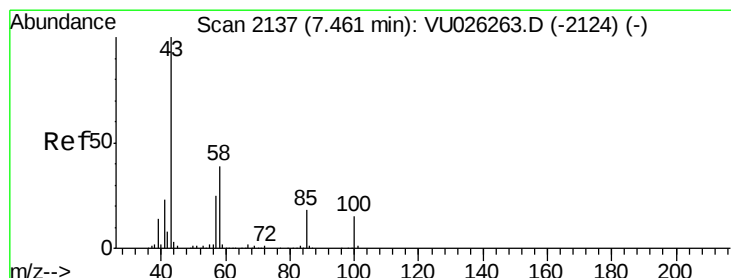
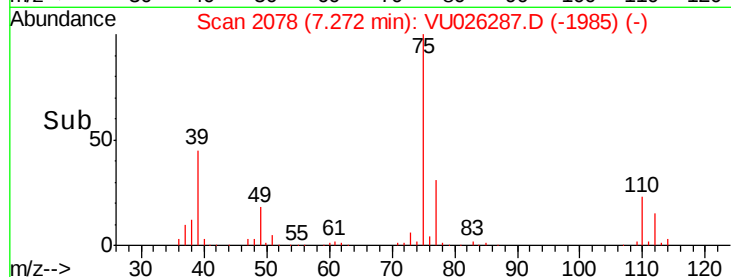
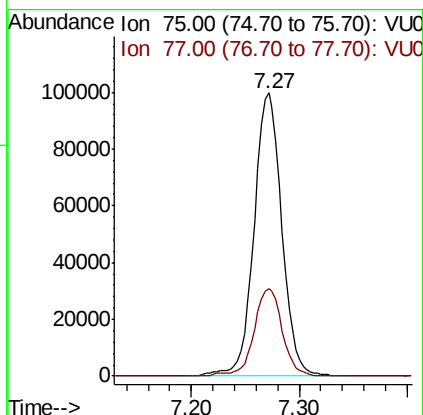
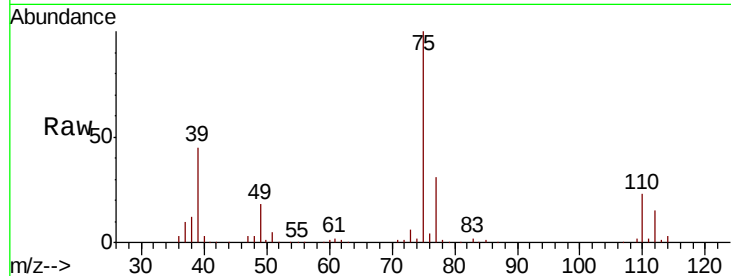




#39
 cis-1,3-Dichloropropene
 Concen: 57.206 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026287.D
 Acq: 23 Aug 2018 10:21

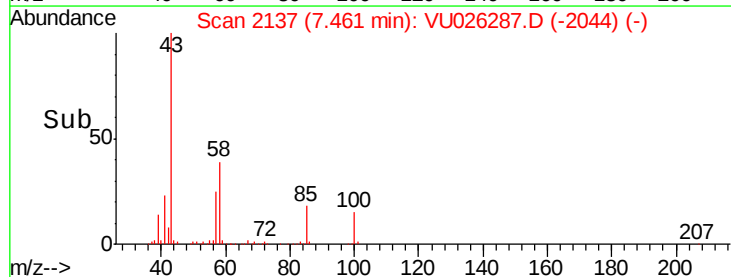
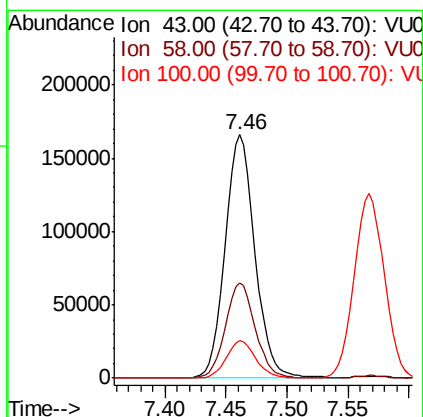
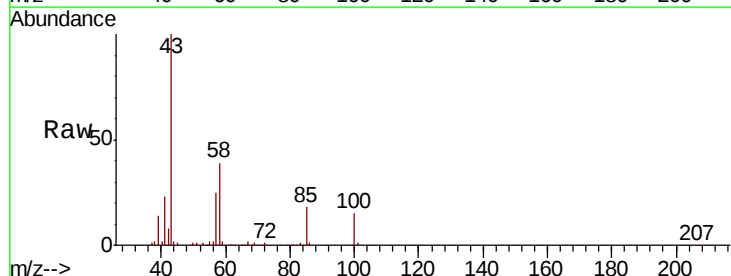
Instrument :
 MSVOA_U
 ClientSampled :

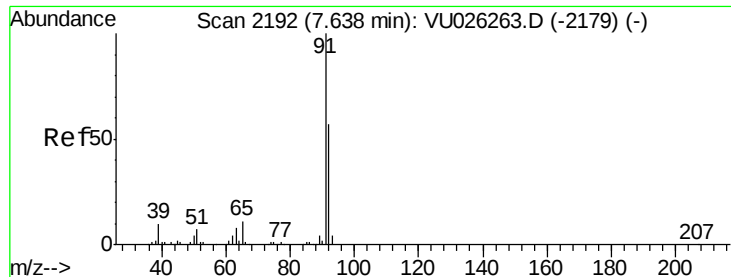
Tot Ion: 75 Resp: 178092
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 109.266 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU026287.D
 Acq: 23 Aug 2018 10:21

Tgt Ion: 43 Resp: 283825
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.6 47.4
 100 15.3 12.3 18.5





#42

Toluene

Concen: 57.363 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026287.D

Acq: 23 Aug 2018 10:21

Instrument :

MSVOA_U

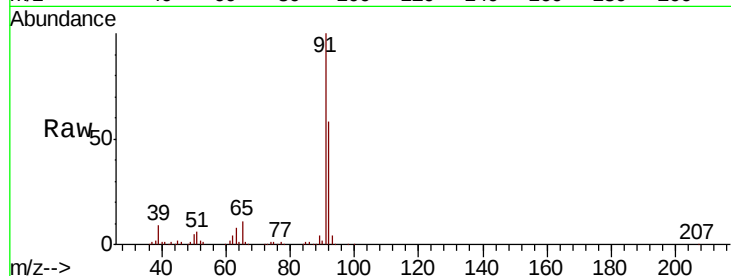
ClientSampleId :

Tot Ion: 91 Resp: 457730

Ion Ratio Lower Upper

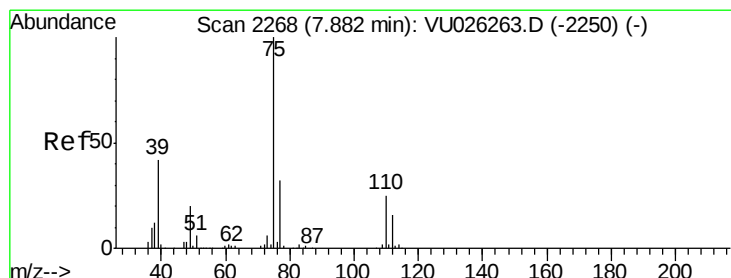
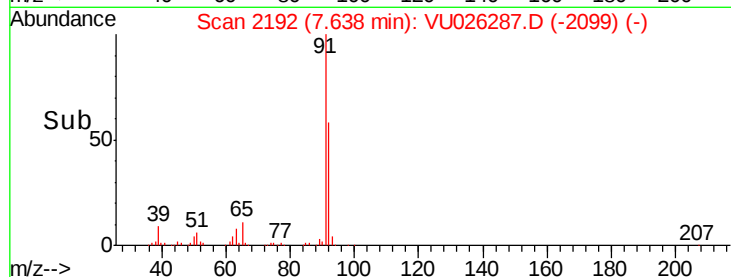
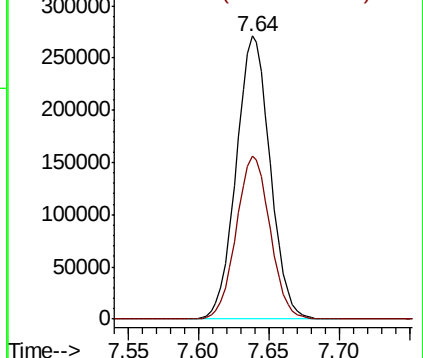
91 100

92 57.6 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 56.326 ug/L

RT: 7.88 min Scan# 2267

Delta R.T. -0.00 min

Lab File: VU026287.D

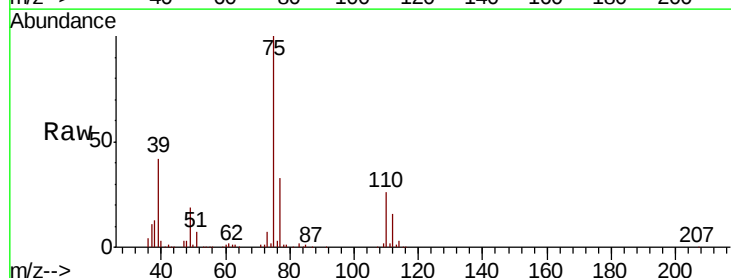
Acq: 23 Aug 2018 10:21

Tgt Ion: 75 Resp: 168722

Ion Ratio Lower Upper

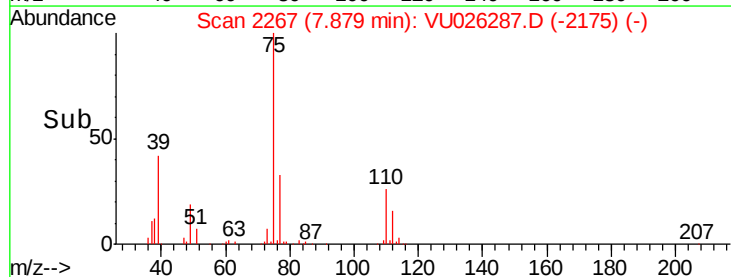
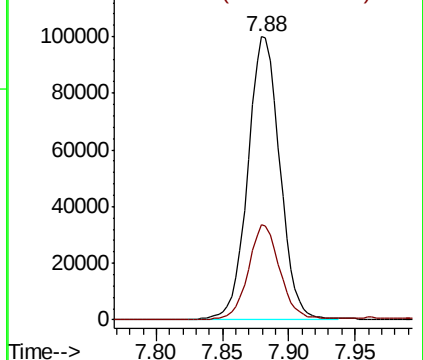
75 100

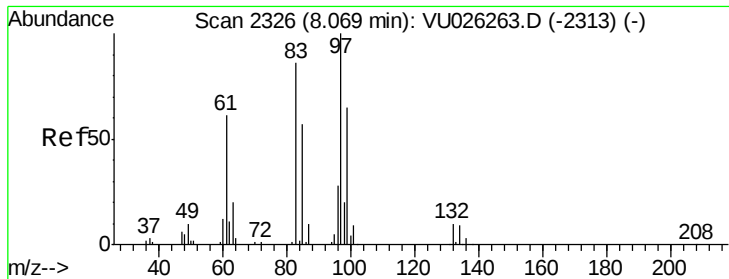
77 33.4 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#45

1,1,2-Trichloroethane

Concen: 55.348 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU026287.D

Acq: 23 Aug 2018 10:21

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 107161

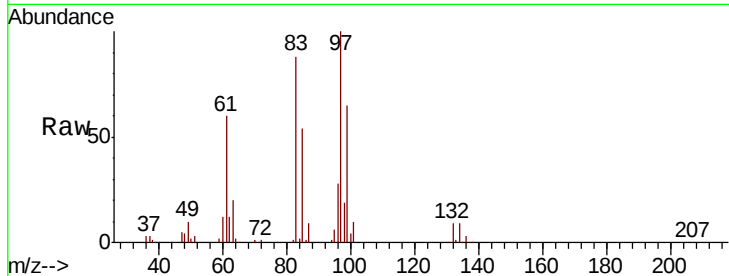
Ion Ratio Lower Upper

97 100

99 65.3 44.0 81.6

83 87.7 59.2 110.0

85 54.2 38.0 70.6



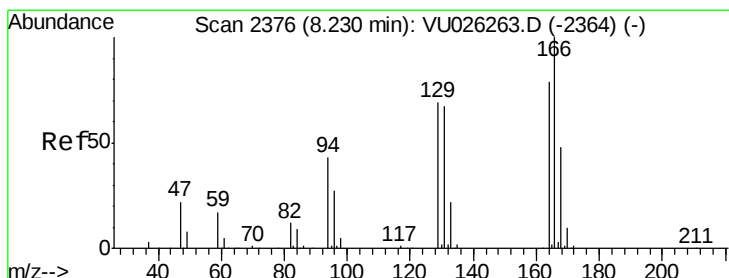
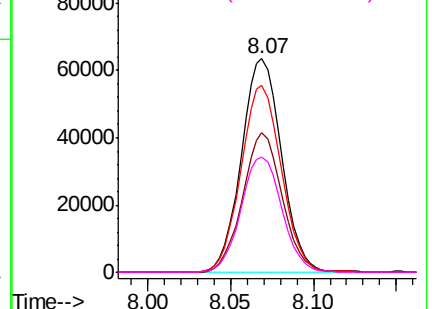
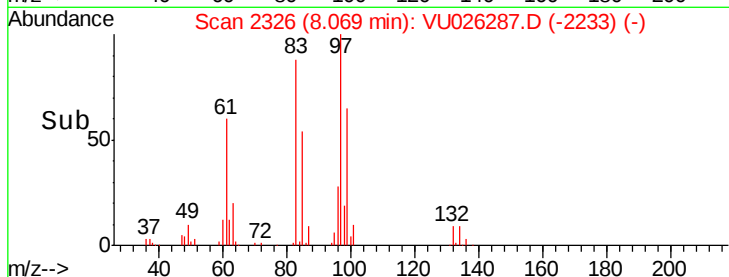
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 56.480 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU026287.D

Acq: 23 Aug 2018 10:21

Tgt Ion:164 Resp: 96375

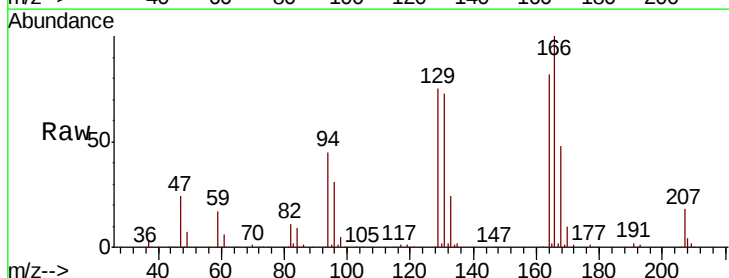
Ion Ratio Lower Upper

164 100

129 91.0 67.3 124.9

131 88.2 65.5 121.7

166 121.5 90.9 168.9



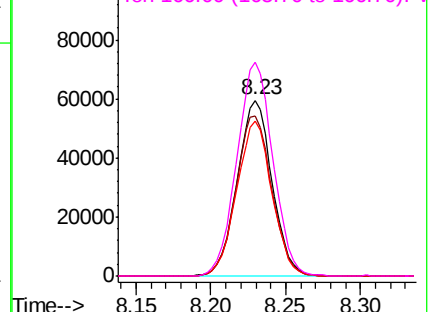
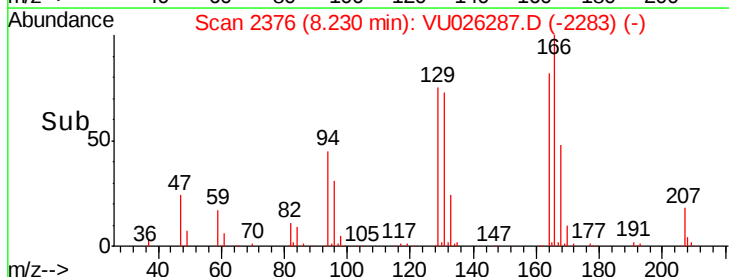
Abundance

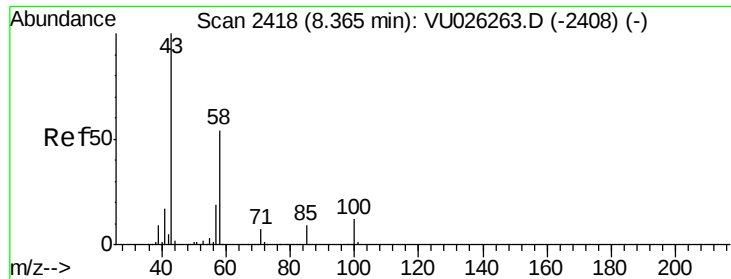
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

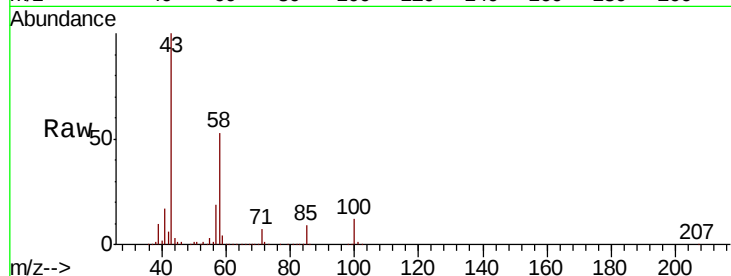




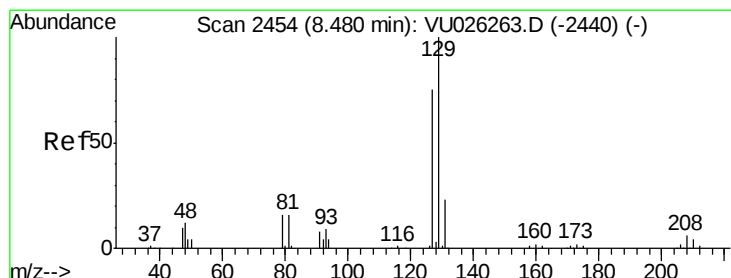
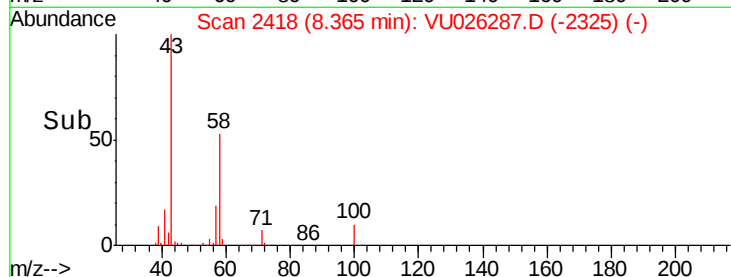
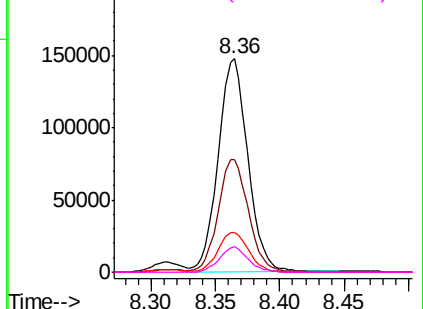
#48
2-Hexanone
Concen: 112.614 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU026287.D
Acq: 23 Aug 2018 10:21

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	235418
Ion	Ratio	Lower	Upper
43	100		
58	54.2	42.6	63.8
57	19.6	15.1	22.7
100	11.5	9.5	14.3

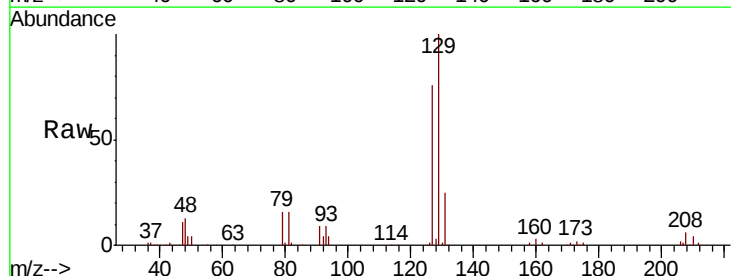


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

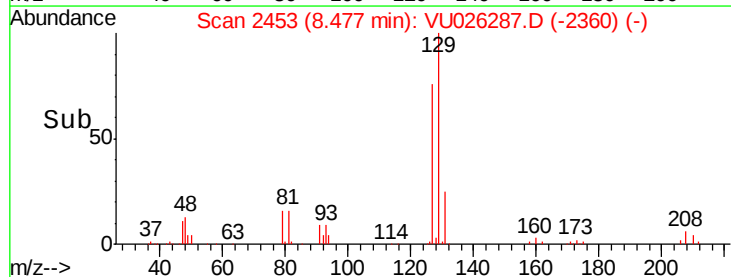
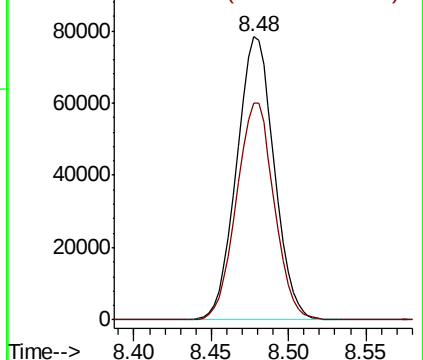


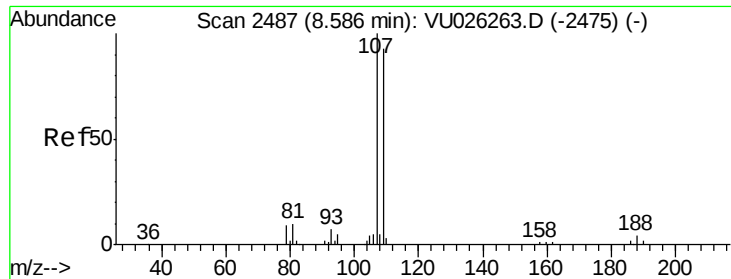
#49
Dibromochloromethane
Concen: 55.544 ug/L
RT: 8.48 min Scan# 2453
Delta R.T. 0.00 min
Lab File: VU026287.D
Acq: 23 Aug 2018 10:21

Tgt Ion:	129	Resp:	132166
Ion	Ratio	Lower	Upper
129	100		
127	76.4	53.8	100.0



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

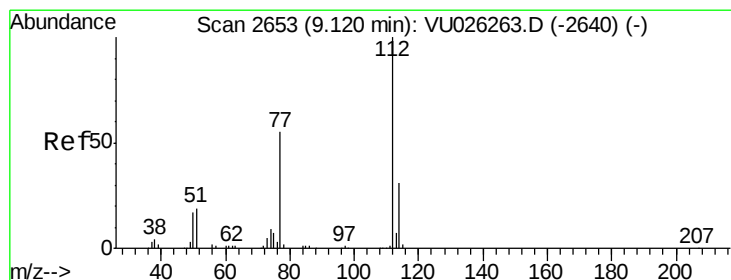
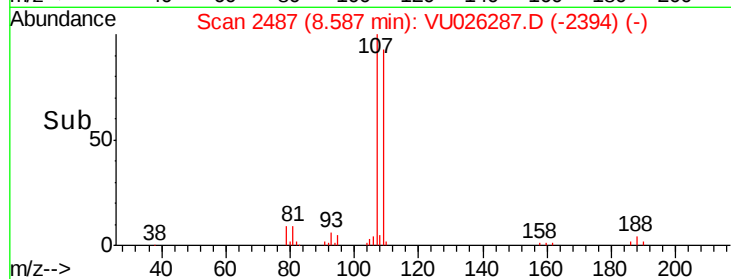
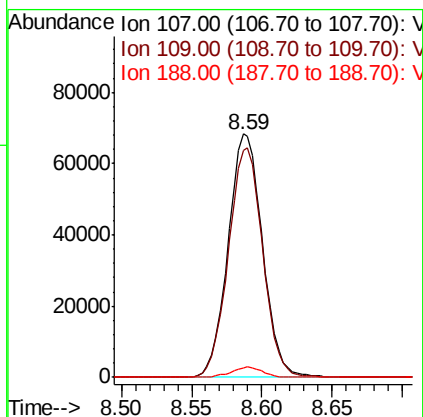
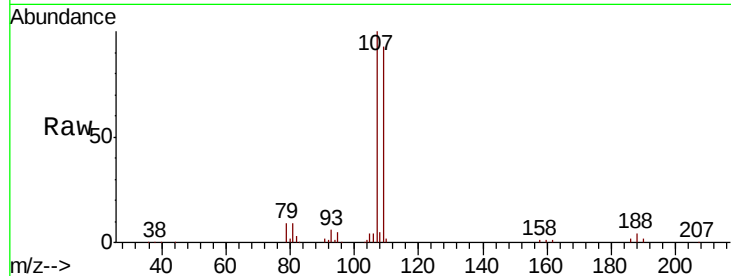




#50
 1,2-Dibromoethane
 Concen: 54.477 ug/L
 RT: 8.59 min Scan# 2487
 Delta R.T. 0.00 min
 Lab File: VU026287.D
 Acq: 23 Aug 2018 10:21

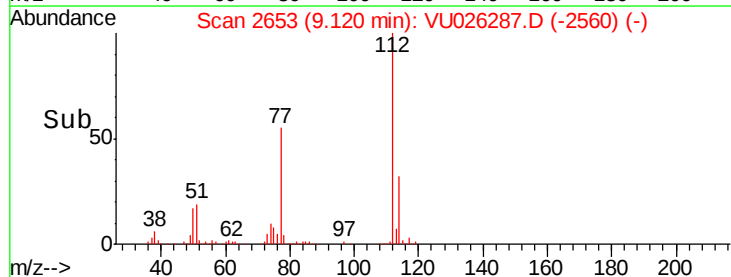
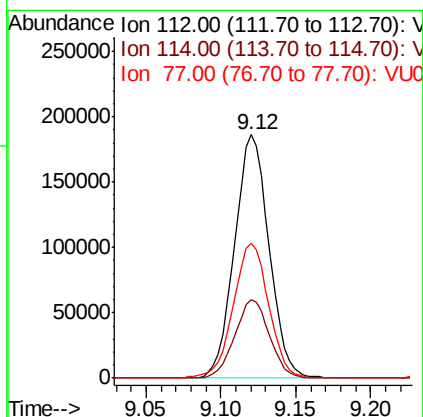
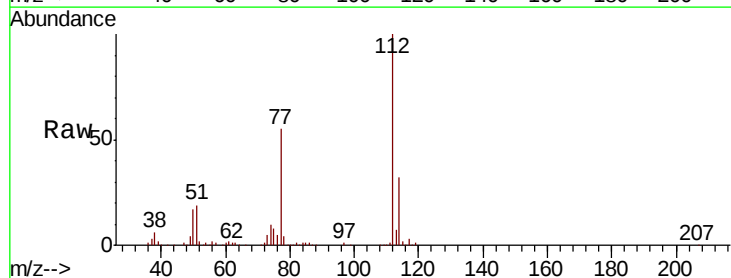
Instrument :
 MSVOA_U
 ClientSampleId :

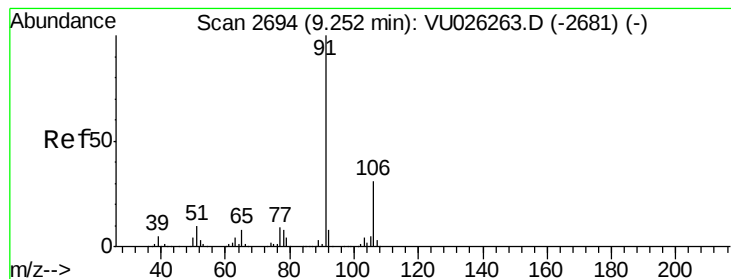
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	65.2	121.0
188	4.1	3.4	5.2



#51
 Chlorobenzene
 Concen: 54.749 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. 0.00 min
 Lab File: VU026287.D
 Acq: 23 Aug 2018 10:21

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.5	41.9
77	55.2	45.4	68.2





#52

Ethylbenzene

Concen: 57.446 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026287.D

Acq: 23 Aug 2018 10:21

Instrument :

MSVOA_U

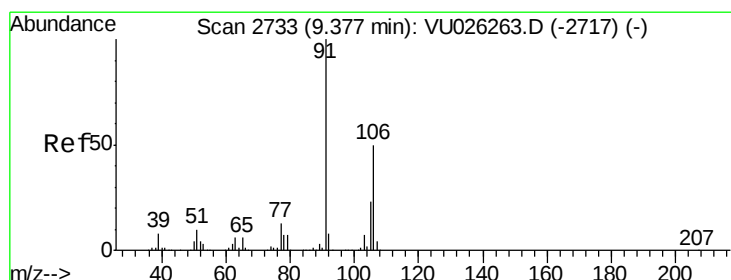
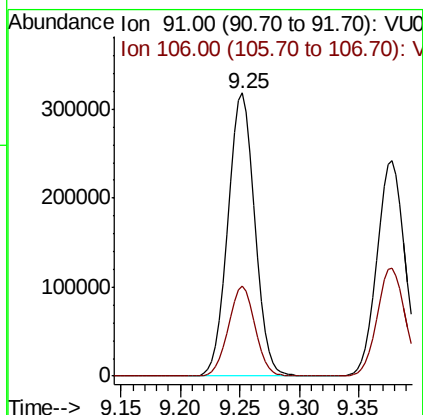
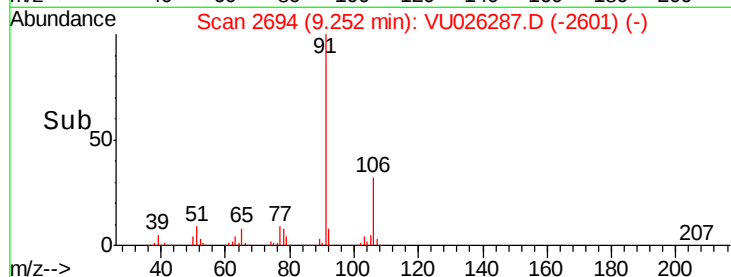
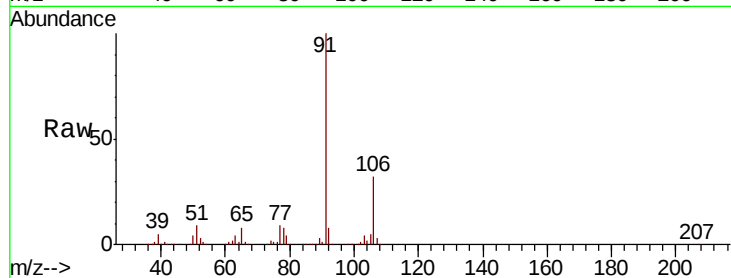
ClientSampleId :

Tot Ion: 91 Resp: 499294

Ion Ratio Lower Upper

91 100

106 31.9 22.3 41.5



#53

m,p-Xylene

Concen: 58.749 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026287.D

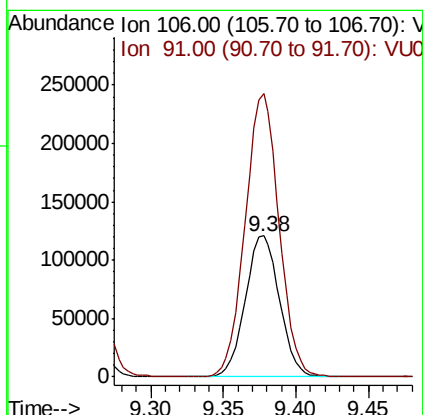
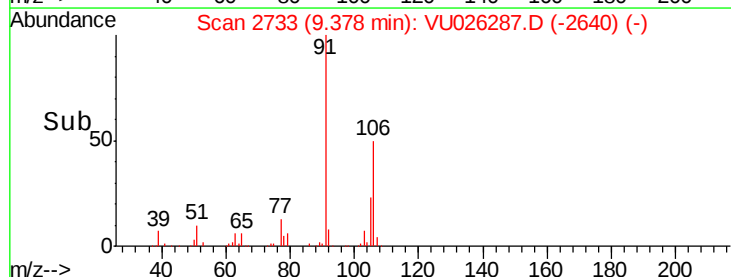
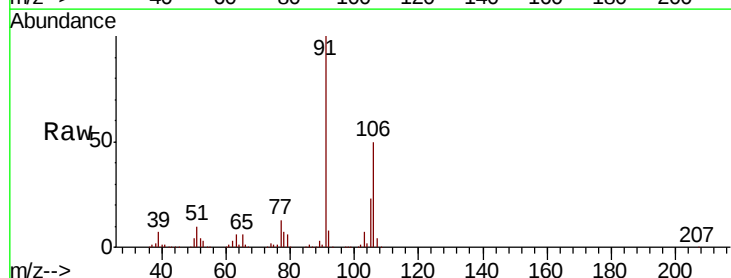
Acq: 23 Aug 2018 10:21

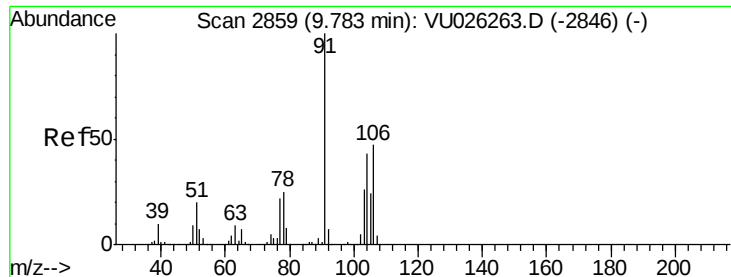
Tgt Ion: 106 Resp: 197360

Ion Ratio Lower Upper

106 100

91 200.4 136.6 253.8

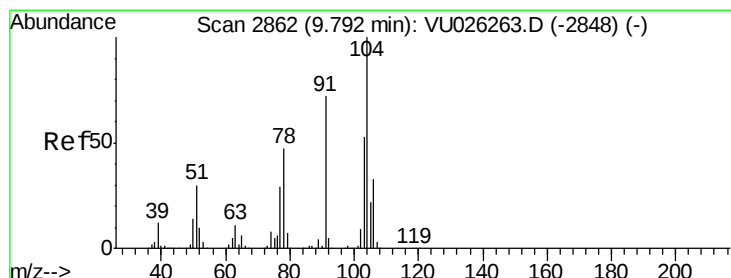
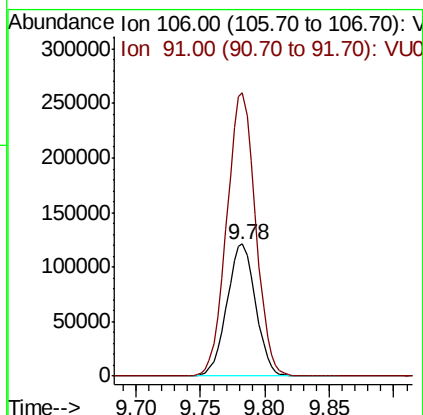
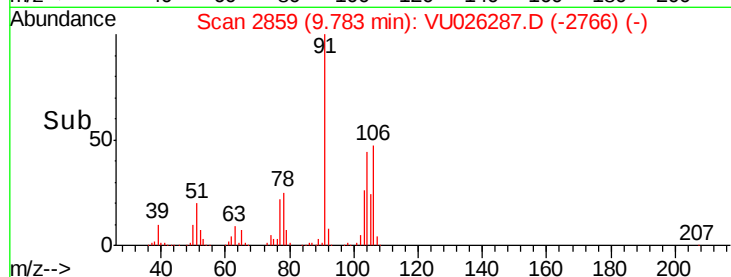
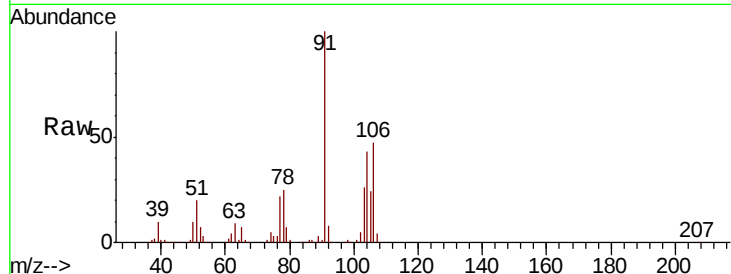




#54
o-xylene
Concen: 57.188 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU026287.D
Acq: 23 Aug 2018 10:21

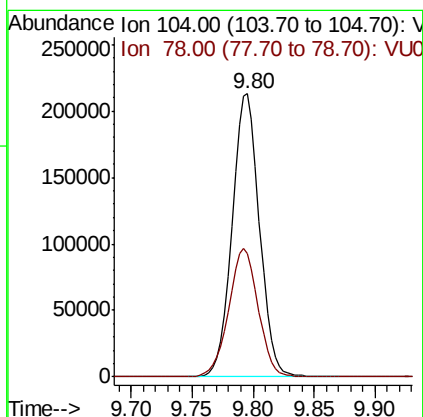
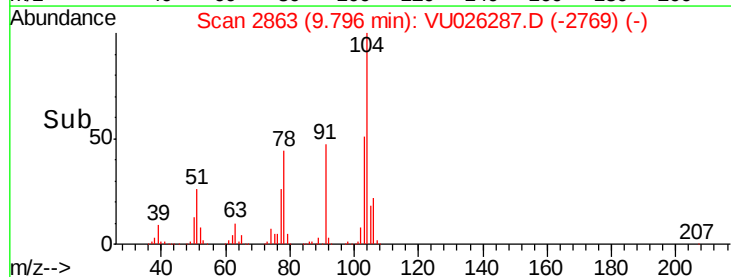
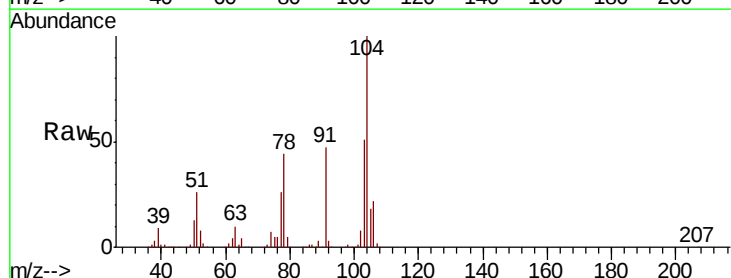
Instrument :
MSVOA_U
ClientSampled :

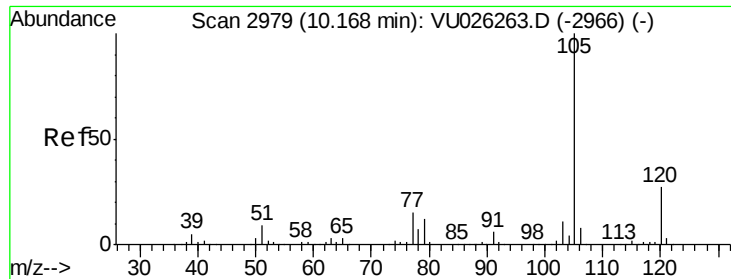
Tot Ion:106 Resp: 187393
Ion Ratio Lower Upper
106 100
91 214.6 151.2 280.8



#55
Styrene
Concen: 59.313 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU026287.D
Acq: 23 Aug 2018 10:21

Tgt Ion:104 Resp: 331758
Ion Ratio Lower Upper
104 100
78 43.6 32.3 60.1





#56

Isopropylbenzene

Concen: 58.865 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026287.D

Acq: 23 Aug 2018 10:21

Instrument :

MSVOA_U

ClientSampleId :

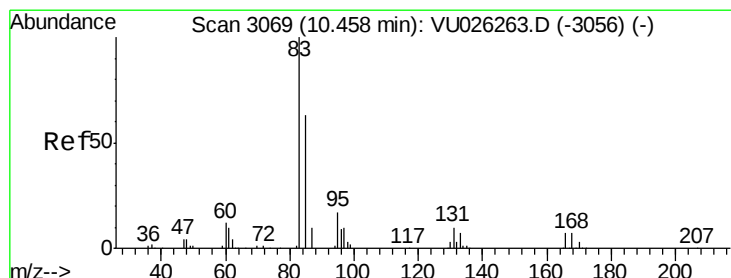
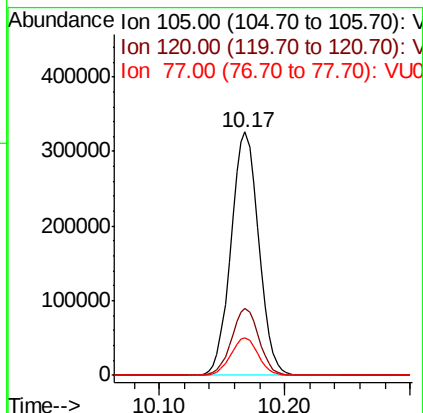
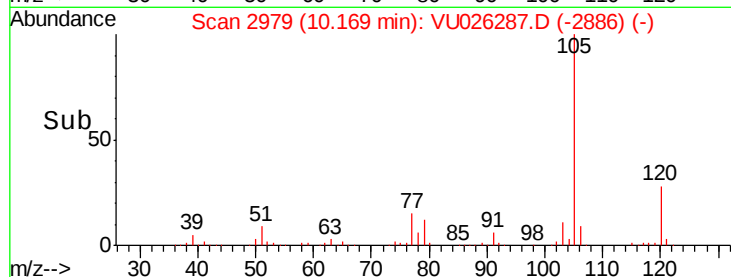
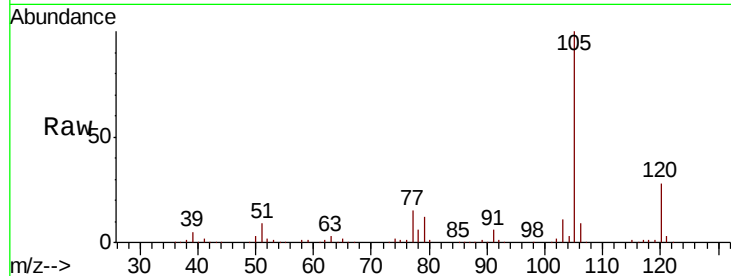
Tot Ion:105 Resp: 500385

Ion Ratio Lower Upper

105 100

120 27.2 21.9 32.9

77 15.2 12.4 18.6



#58

1,1,2,2-Tetrachloroethane

Concen: 54.731 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU026287.D

Acq: 23 Aug 2018 10:21

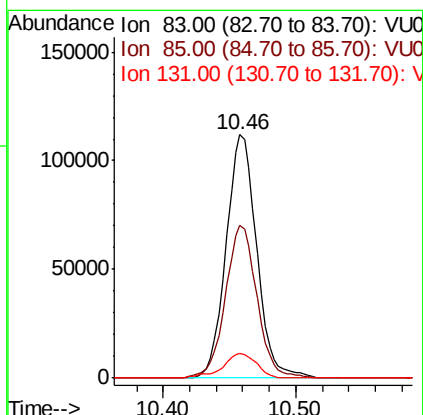
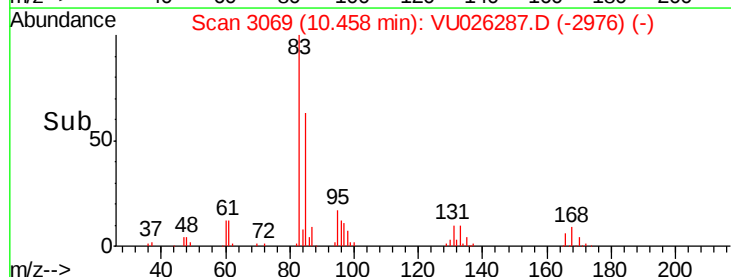
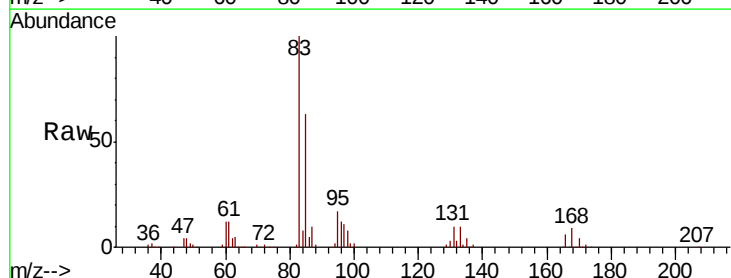
Tgt Ion: 83 Resp: 179347

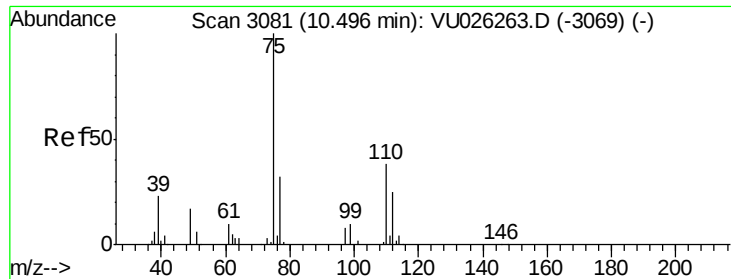
Ion Ratio Lower Upper

83 100

85 63.0 44.9 83.3

131 10.2 8.2 12.2

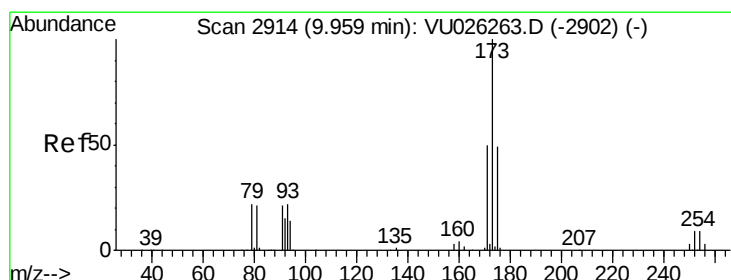
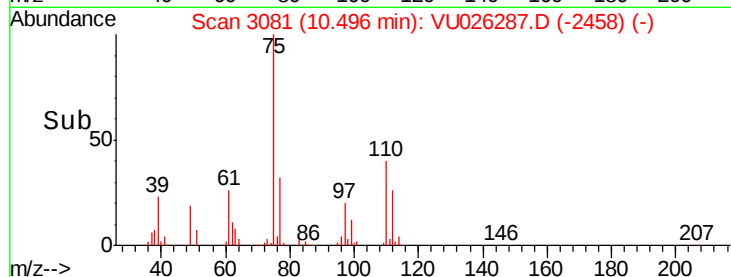
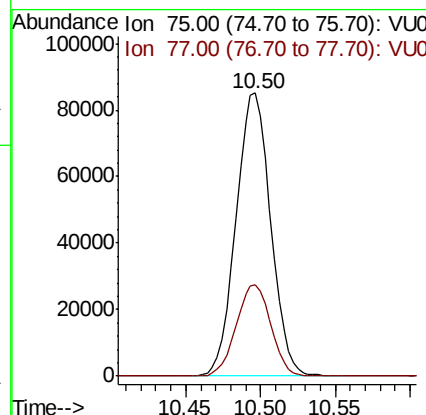
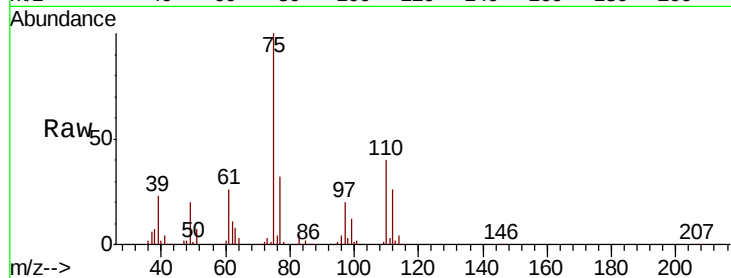




#59
 1,2,3-Trichloropropane
 Concen: 53.725 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026287.D
 Acq: 23 Aug 2018 10:21

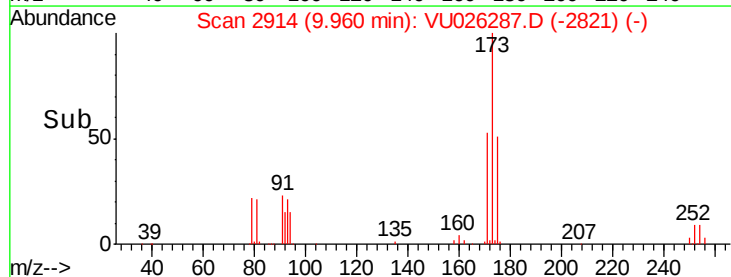
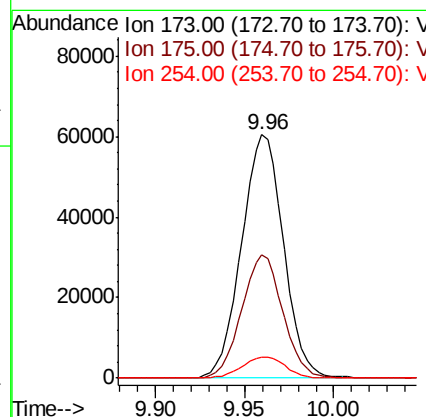
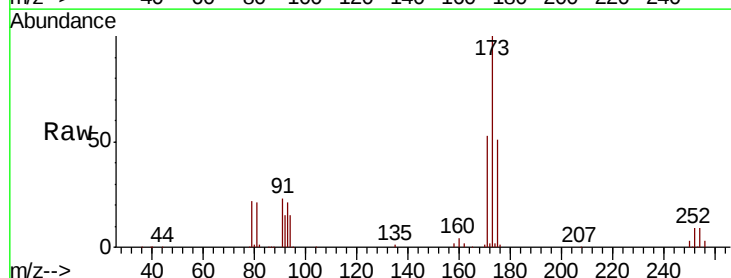
Instrument :
 MSVOA_U
 ClientSampleId :

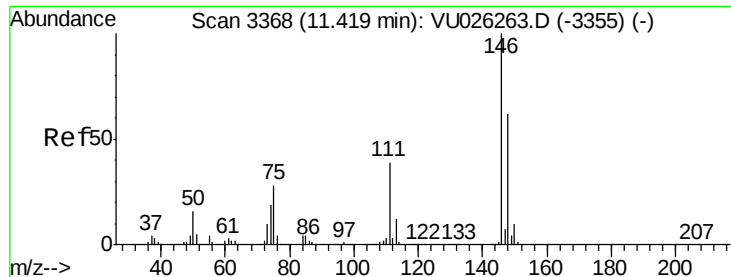
Tot Ion: 75 Resp: 137273
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.5 38.3



#61
 Bromoform
 Concen: 54.512 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. 0.00 min
 Lab File: VU026287.D
 Acq: 23 Aug 2018 10:21

Tgt Ion: 173 Resp: 99476
 Ion Ratio Lower Upper
 173 100
 175 49.6 39.4 59.2
 254 9.0 7.0 10.4





#62

1,3-Dichlorobenzene

Concen: 55.357 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026287.D

Acq: 23 Aug 2018 10:21

Instrument :

MSVOA_U

ClientSampled :

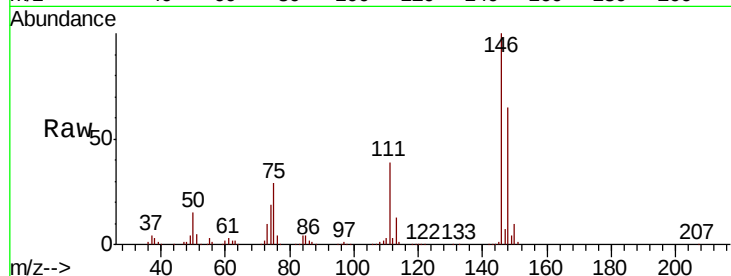
Tot Ion:146 Resp: 240382

Ion Ratio Lower Upper

146 100

111 38.6 26.9 50.1

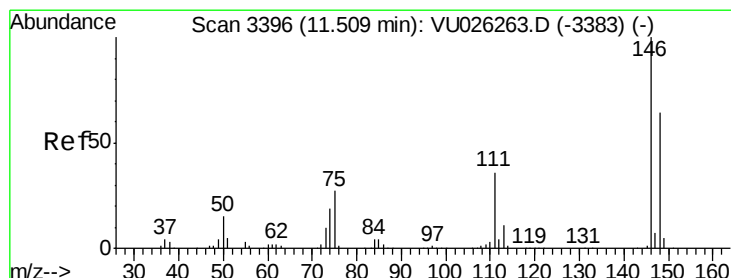
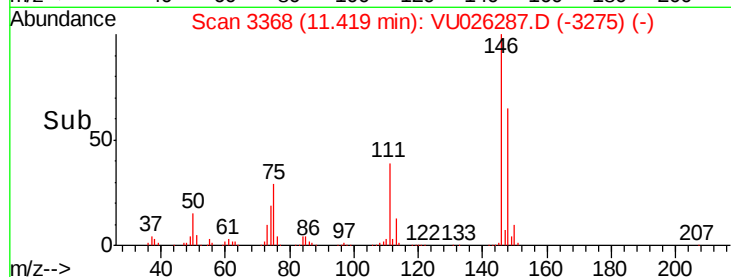
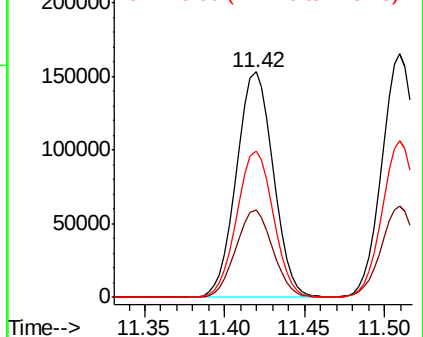
148 64.9 43.7 81.1



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



#63

1,4-Dichlorobenzene

Concen: 55.372 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026287.D

Acq: 23 Aug 2018 10:21

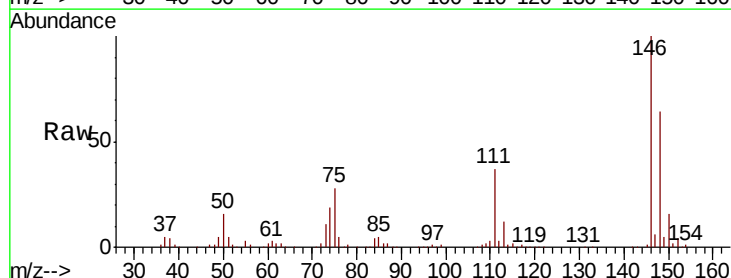
Tgt Ion:146 Resp: 254060

Ion Ratio Lower Upper

146 100

111 37.5 25.9 48.1

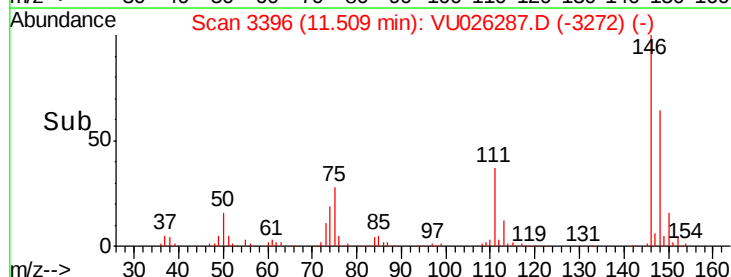
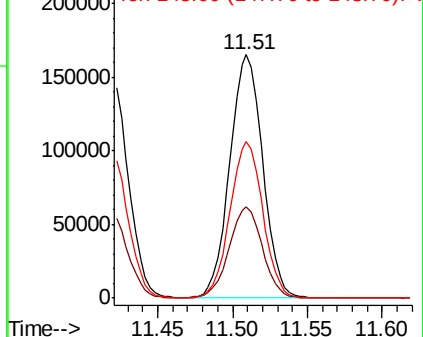
148 64.4 44.5 82.7

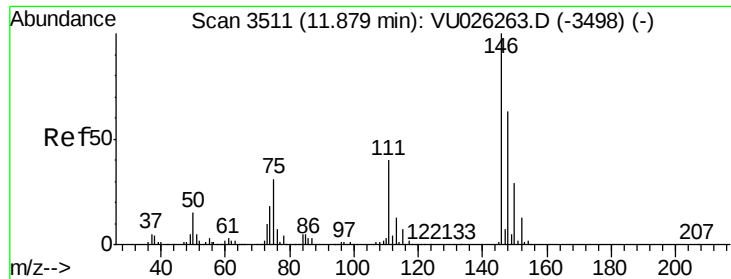


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

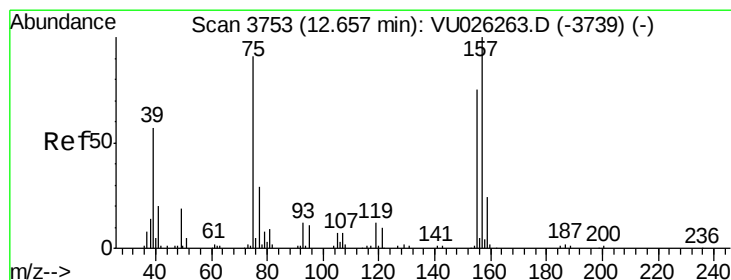
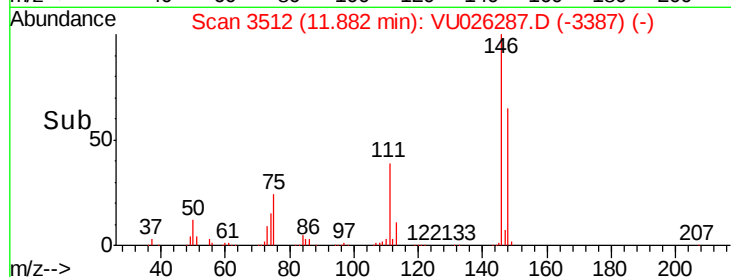
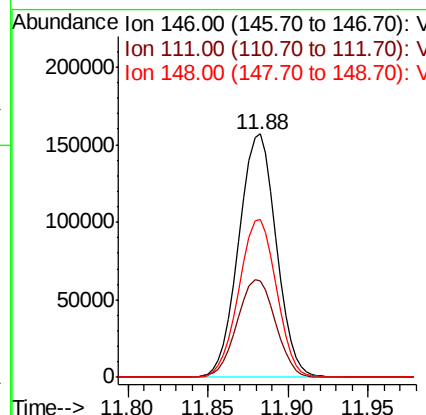
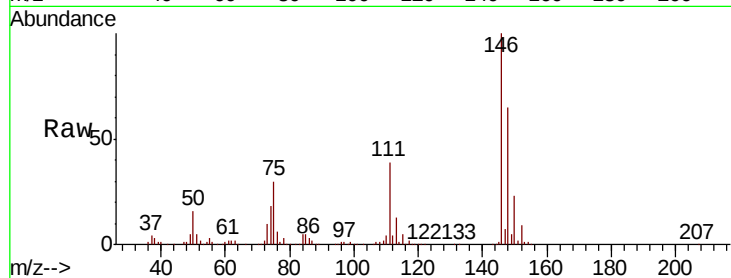




#65
 1,2-Dichlorobenzene
 Concen: 54.897 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026287.D
 Acq: 23 Aug 2018 10:21

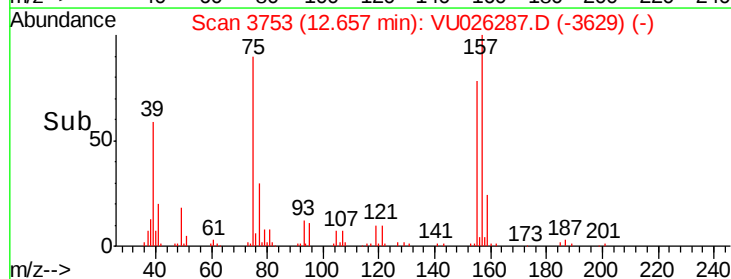
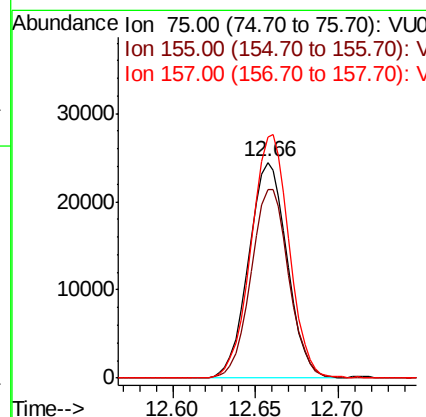
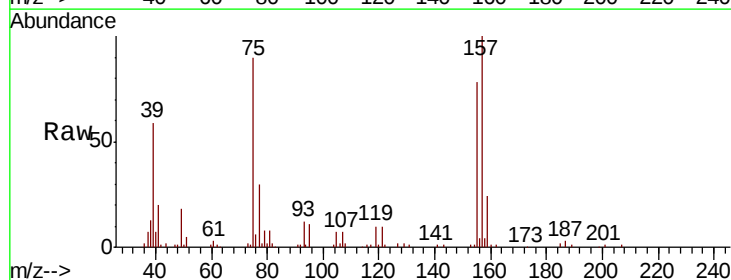
Instrument :
 MSVOA_U
 ClientSampleId :

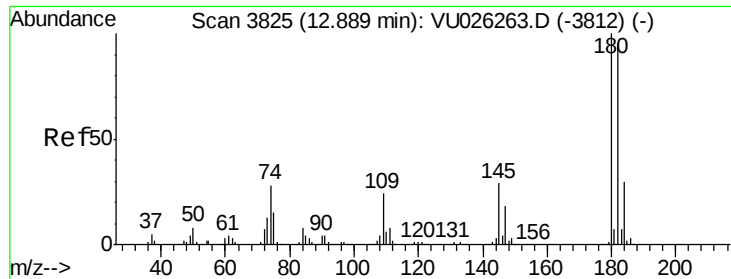
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	32.6	48.8
148	64.8	51.0	76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.838 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU026287.D
 Acq: 23 Aug 2018 10:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.3	65.0	97.6
157	111.4	87.5	131.3

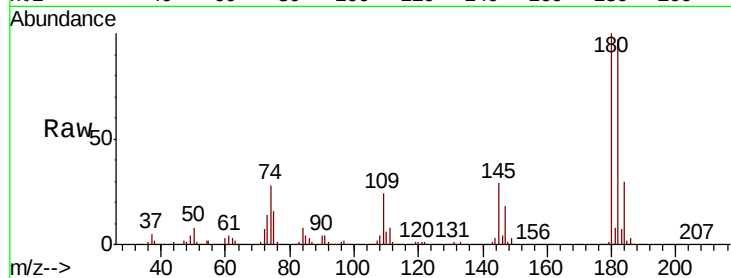




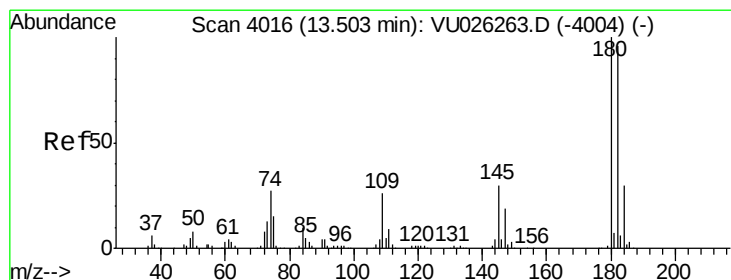
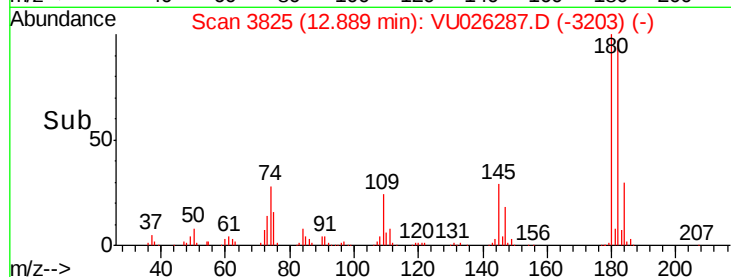
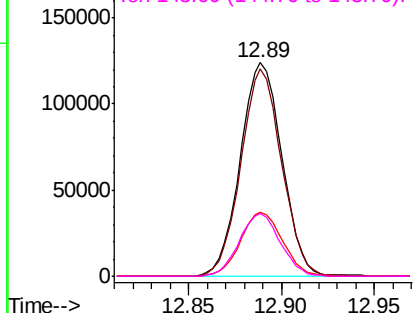
#67
 1,3,5-Trichlorobenzene
 Concen: 56.821 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU026287.D
 Acq: 23 Aug 2018 10:21

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	193683
Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.9	116.9
184	30.2	24.2	36.4
145	28.9	23.4	35.2

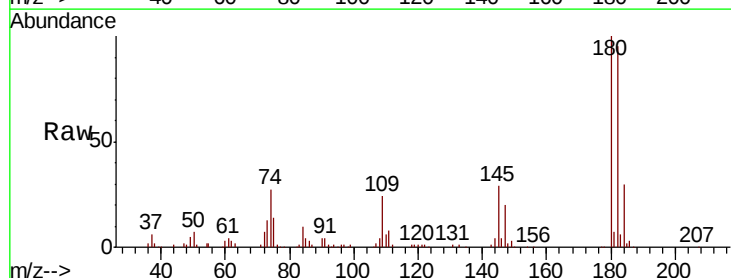


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

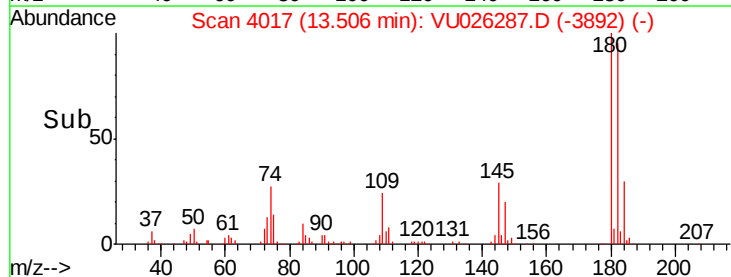
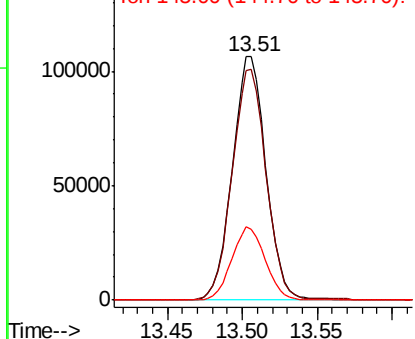


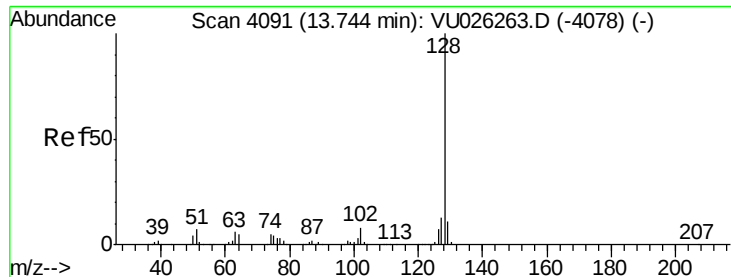
#68
 1,2,4-trichlorobenzene
 Concen: 55.918 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026287.D
 Acq: 23 Aug 2018 10:21

Tgt Ion:	180	Resp:	166388
Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.8	113.6
145	30.0	23.8	35.8



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

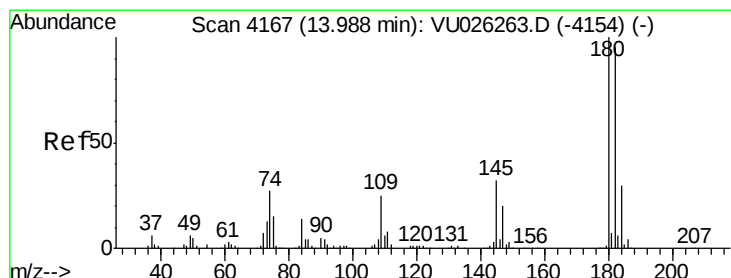
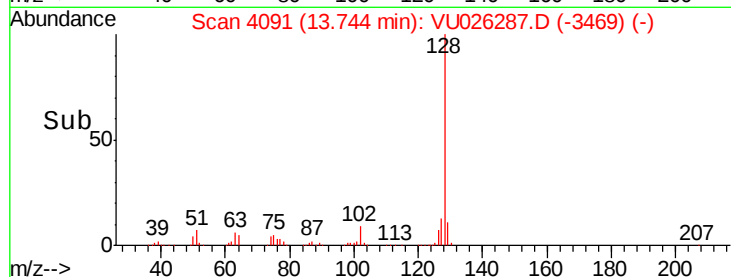
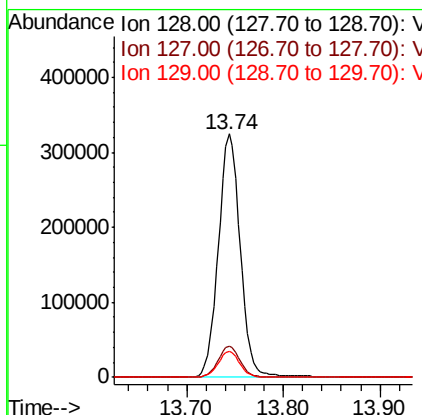
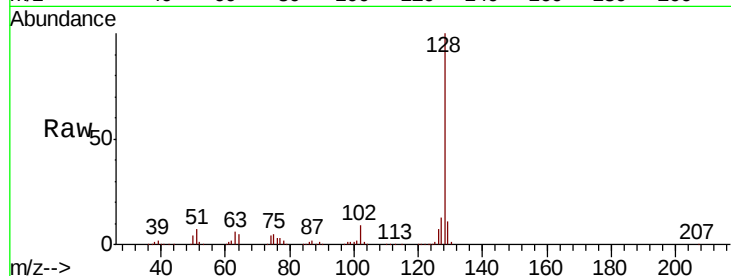




#69
Naphthalene
Concen: 57.763 ug/L
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU026287.D
Acq: 23 Aug 2018 10:21

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.6	8.4	12.6



#70
1,2,3-Trichlorobenzene
Concen: 56.132 ug/L
RT: 13.99 min Scan# 4167
Delta R.T. 0.00 min
Lab File: VU026287.D
Acq: 23 Aug 2018 10:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.6	116.4
145	31.2	26.2	39.2

