

Data File : VU027487.D
Acq On : 08 Oct 2018 10:00
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

Quant Time: Oct 09 04:52:14 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 06 04:54:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	191445	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	181516	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	89820	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	72244	47.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.90%
7) Chloroethane-d5	1.68	69	60226	51.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.78%
11) 1,1-Dichloroethene-d2	2.28	63	147324	52.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.26%
21) 2-Butanone-d5	4.18	46	142081	116.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.82%
24) Chloroform-d	4.65	84	139080	57.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.42%
26) 1,2-Dichloroethane-d4	5.31	65	92680	54.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.76%
32) Benzene-d6	5.34	84	276175	53.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.18%
36) 1,2-Dichloropropane-d6	6.33	67	96844	54.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.70%
41) Toluene-d8	7.57	98	243603	52.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.78%
43) trans-1,3-Dichloropropene-	7.85	79	47104	54.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.72%
47) 2-Hexanone-d5	8.31	63	102634	114.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.04%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	129185	55.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.88%
64) 1,2-Dichlorobenzene-d4	11.86	152	91100	51.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.68%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	103371	54.448 ug/L	100
3) Chloromethane	1.33	50	117650	53.929 ug/L	99
5) Vinyl chloride	1.40	62	111639	52.369 ug/L	98
6) Bromomethane	1.63	94	44639	47.917 ug/L	97
8) Chloroethane	1.70	64	63207	49.475 ug/L	98
9) Trichlorofluoromethane	1.89	101	117826	55.218 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	69943	55.212 ug/L	99
12) 1,1-Dichloroethene	2.29	96	65291	52.796 ug/L	95
13) Acetone	2.32	43	129936	130.250 ug/L	100
14) Carbon disulfide	2.48	76	229838	50.596 ug/L	100
15) Methyl Acetate	2.62	43	110675	55.364 ug/L	100
16) Methylene chloride	2.70	84	81314	54.137 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	71811	52.438 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	251624	55.262 ug/L	100
19) 1,1-Dichloroethane	3.45	63	155403	54.957 ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	79758	52.502 ug/L	97
22) 2-Butanone	4.26	43	164925	115.492 ug/L	99

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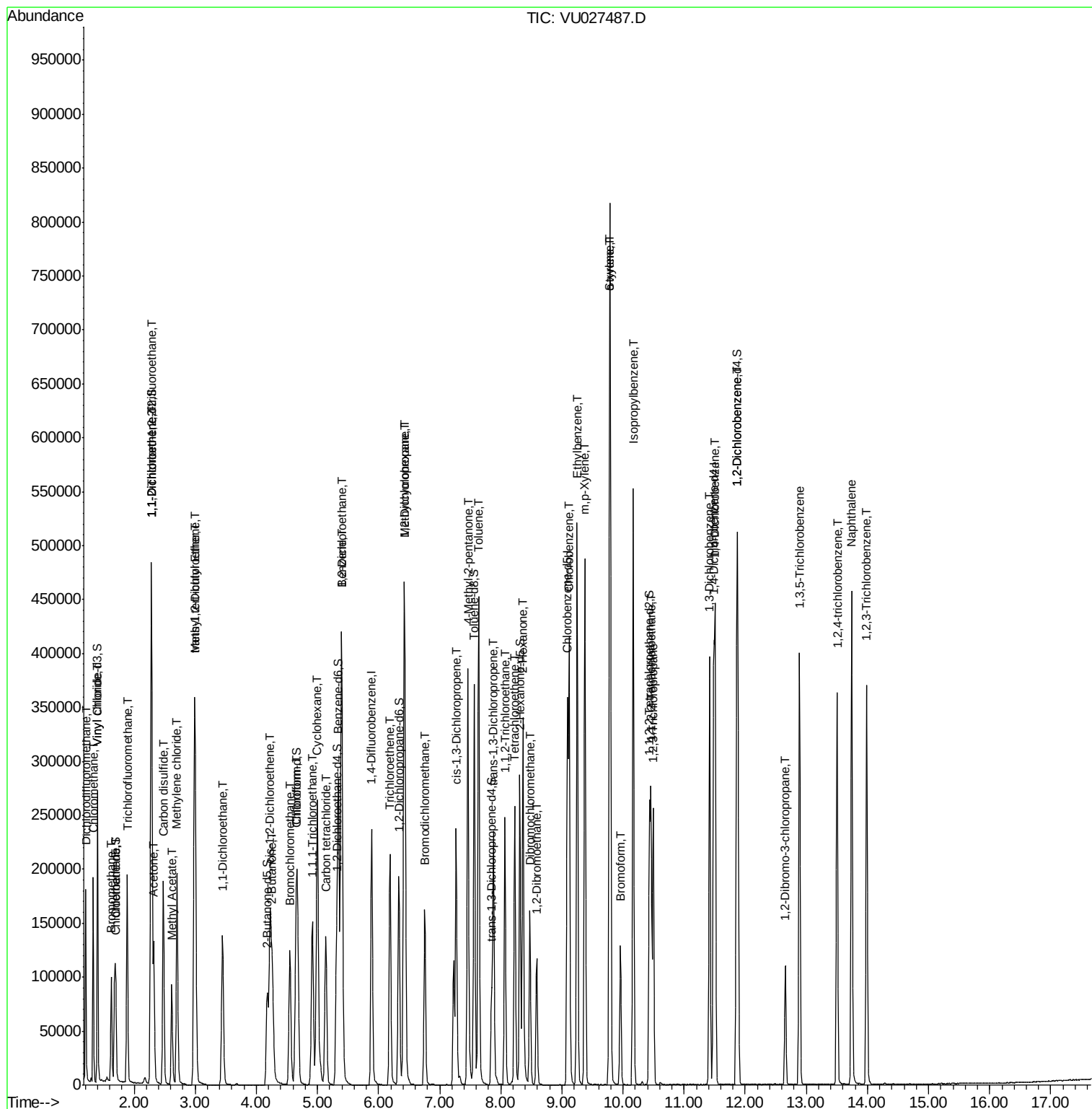
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	36994	53.400	ug/L	94
25) Chloroform	4.67	83	143044	52.366	ug/L	97
27) 1,2-Dichloroethane	5.40	62	118240	53.897	ug/L	100
29) Cyclohexane	5.00	56	152195	55.279	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	116983	53.865	ug/L	99
31) Carbon tetrachloride	5.14	117	100989	55.285	ug/L	99
33) Benzene	5.39	78	323506	54.235	ug/L	100
34) Trichloroethene	6.19	95	77692	54.159	ug/L	98
35) Methylcyclohexane	6.42	83	138343	55.505	ug/L	99
37) 1,2-Dichloropropane	6.43	63	94380	54.613	ug/L	100
38) Bromodichloromethane	6.76	83	107776	54.881	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	141136	55.580	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	283066	111.855	ug/L	99
42) Toluene	7.64	91	324222	54.173	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	130375	55.312	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	74918	54.004	ug/L	99
46) Tetrachloroethene	8.23	164	56970	53.437	ug/L	99
48) 2-Hexanone	8.36	43	231312	115.757	ug/L	99
49) Dibromochloromethane	8.48	129	79516	54.970	ug/L	98
50) 1,2-Dibromoethane	8.59	107	78658	53.444	ug/L	99
51) Chlorobenzene	9.12	112	199511	52.728	ug/L	99
52) Ethylbenzene	9.25	91	361660	54.423	ug/L	100
53) m,p-Xylene	9.38	106	133339	54.820	ug/L	100
54) o-xylene	9.78	106	127232	54.298	ug/L	99
55) Styrene	9.79	104	224752	56.012	ug/L	99
56) Isopropylbenzene	10.17	105	343555	55.947	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	131156	53.959	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	106404	54.384	ug/L	100
61) Bromoform	9.96	173	56242	55.108	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	150267	53.754	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	156715	53.744	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	151370	53.192	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	29159	55.274	ug/L	93
67) 1,3,5-Trichlorobenzene	12.89	180	118191	54.723	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	106635	53.688	ug/L	100
69) Naphthalene	13.74	128	337162	55.052	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	108902	53.917	ug/L	99

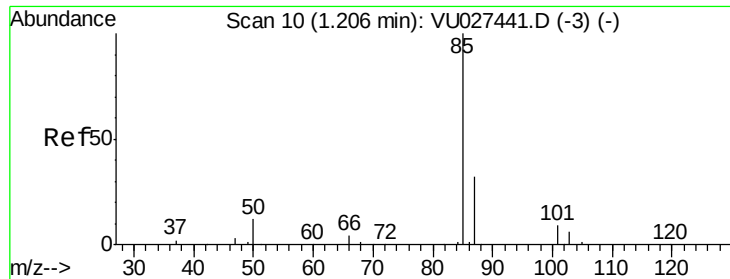
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 54.448 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027487.D

Acq: 08 Oct 2018 10:00

Instrument :

MSVOA_U

ClientSampled :

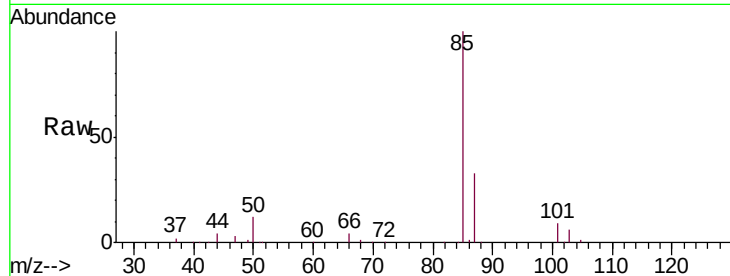
VSTD05040

Tgt Ion: 85 Resp: 103371

Ion Ratio Lower Upper

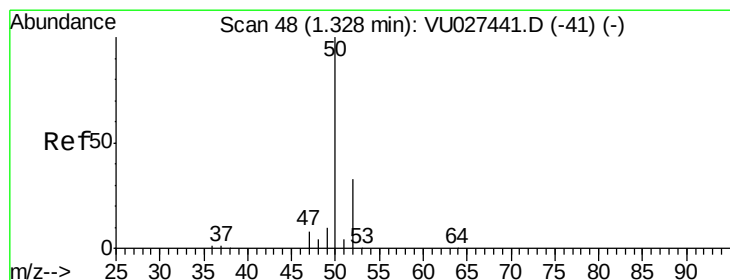
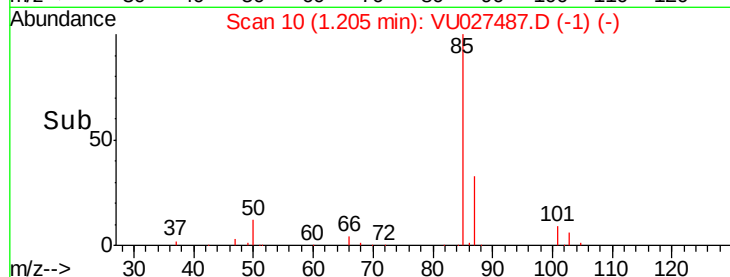
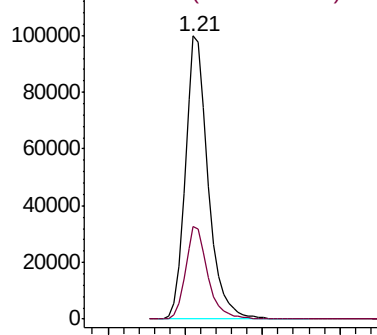
85 100

87 31.9 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 53.929 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027487.D

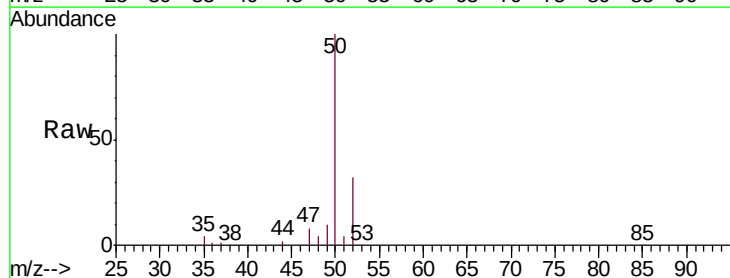
Acq: 08 Oct 2018 10:00

Tgt Ion: 50 Resp: 117650

Ion Ratio Lower Upper

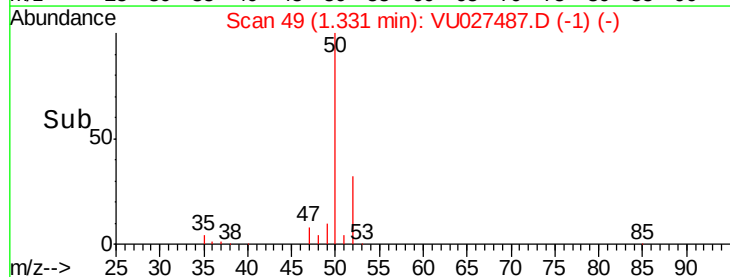
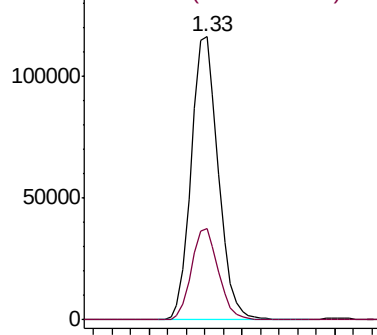
50 100

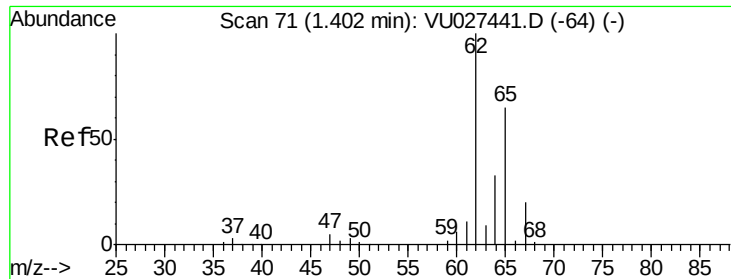
52 32.1 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 52.369 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027487.D

Acq: 08 Oct 2018 10:00

Instrument :

MSVOA_U

ClientSampleId :

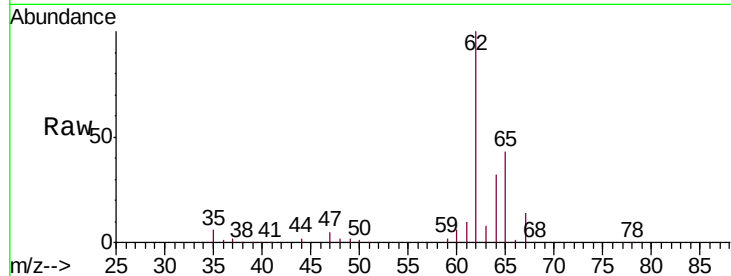
VSTD05040

Tgt Ion: 62 Resp: 111639

Ion Ratio Lower Upper

62 100

64 32.4 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

100000

80000

60000

40000

20000

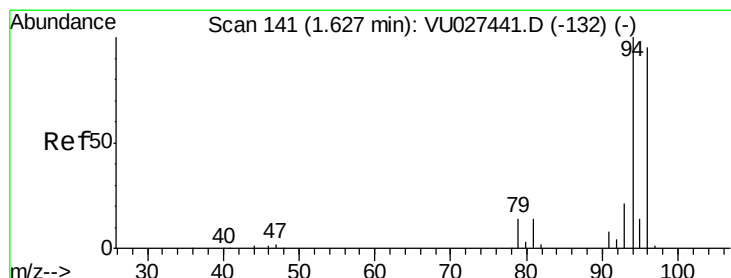
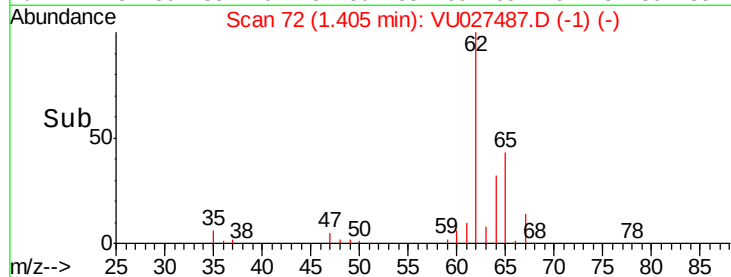
0

Time-->

1.35

1.40

1.45



#6

Bromomethane

Concen: 47.917 ug/L

RT: 1.63 min Scan# 141

Delta R.T. -0.00 min

Lab File: VU027487.D

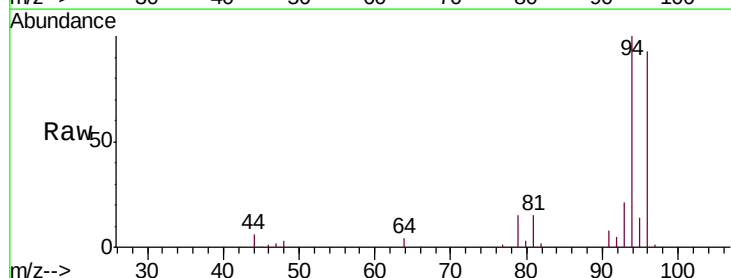
Acq: 08 Oct 2018 10:00

Tgt Ion: 94 Resp: 44639

Ion Ratio Lower Upper

94 100

96 92.6 66.6 123.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

40000

30000

20000

10000

0

Time-->

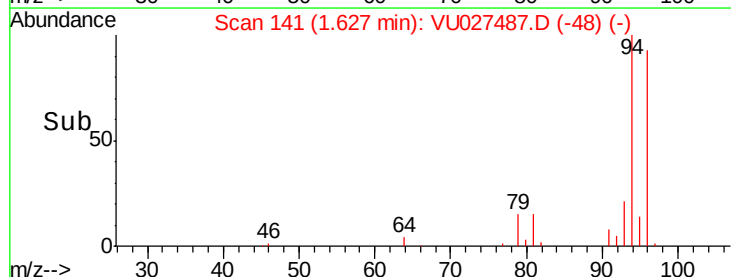
1.55

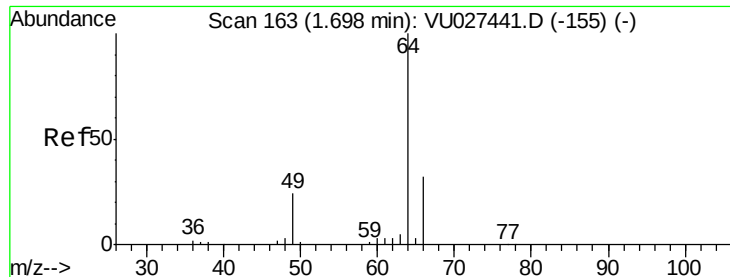
1.60

1.63

1.65

1.70





#8

Chloroethane

Concen: 49.475 ug/L

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU027487.D

Acq: 08 Oct 2018 10:00

Instrument :

MSVOA_U

ClientSampleId :

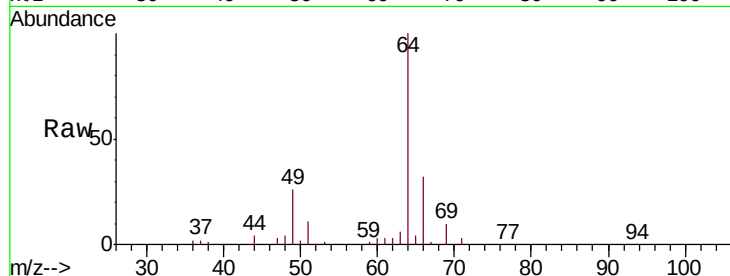
VSTD05040

Tgt Ion: 64 Resp: 63207

Ion Ratio Lower Upper

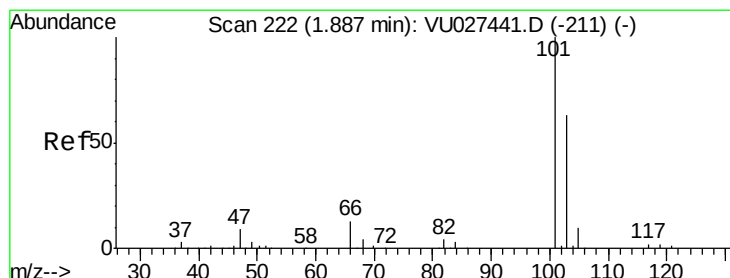
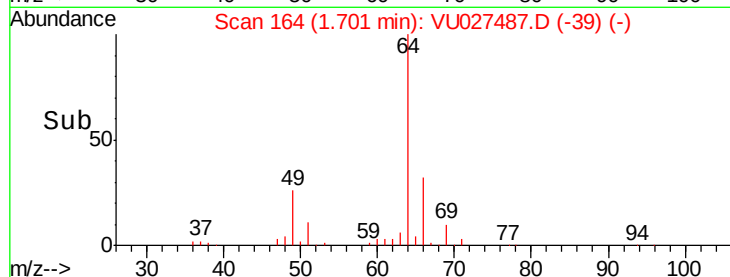
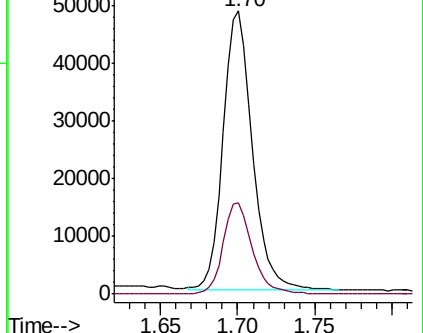
64 100

66 32.3 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VU027487.D (-164) (-)

Ion 66.00 (65.70 to 66.70): VU027487.D (-164) (-)



#9

Trichlorofluoromethane

Concen: 55.218 ug/L

RT: 1.89 min Scan# 222

Delta R.T. -0.00 min

Lab File: VU027487.D

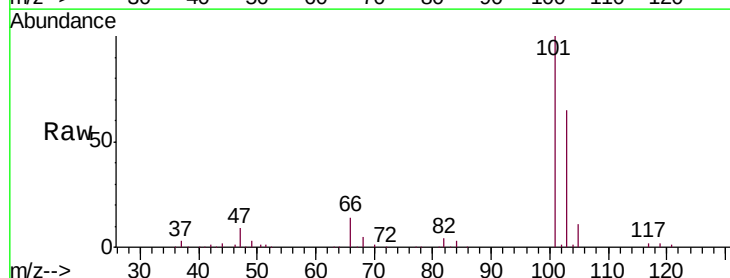
Acq: 08 Oct 2018 10:00

Tgt Ion: 101 Resp: 117826

Ion Ratio Lower Upper

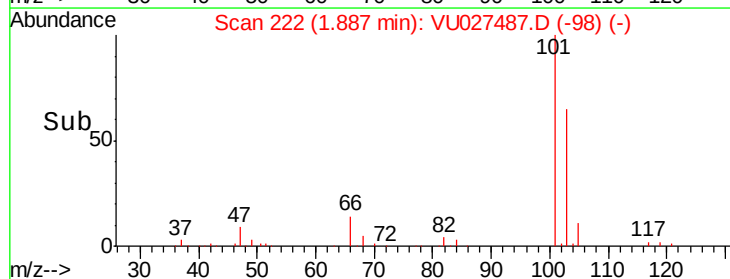
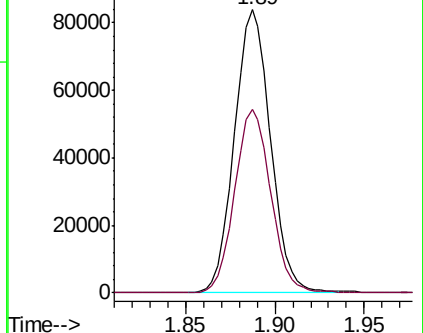
101 100

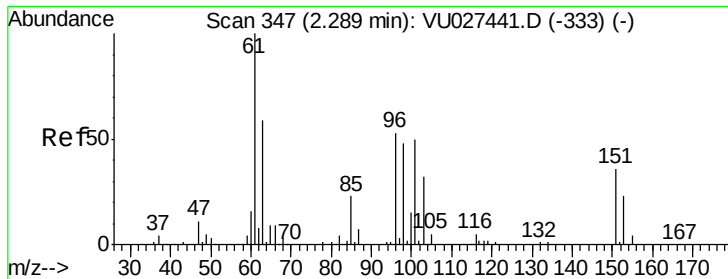
103 65.2 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU027487.D (-222) (-)

Ion 103.00 (102.70 to 103.70): VU027487.D (-222) (-)





#10

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

Concen: 55.212 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027487.D

Acq: 08 Oct 2018 10:00

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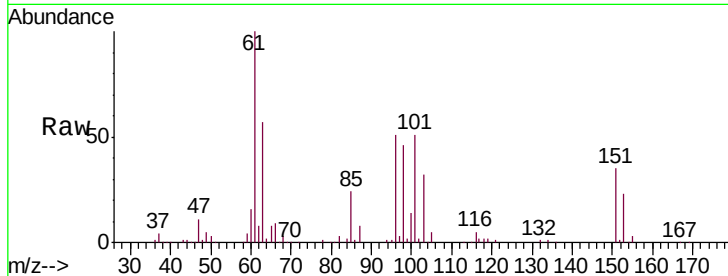
Tgt Ion:101 Resp: 69943

Ion Ratio Lower Upper

101 100

85 45.1 35.9 53.9

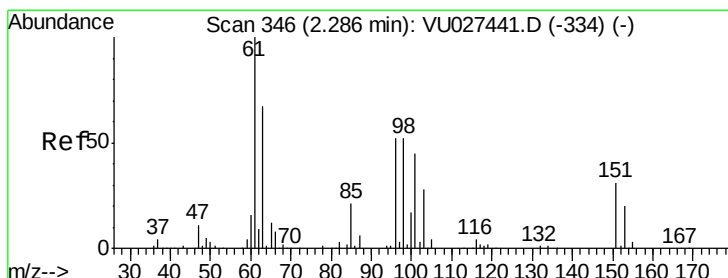
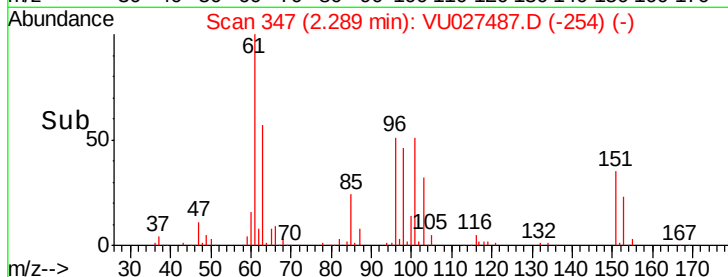
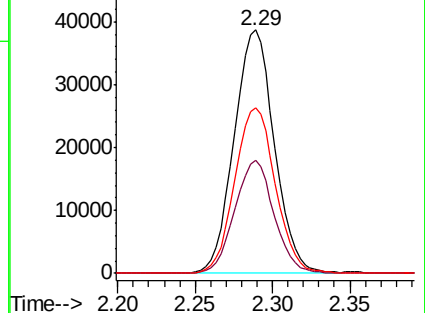
151 68.7 55.7 83.5



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: 52.796 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027487.D

Acq: 08 Oct 2018 10:00

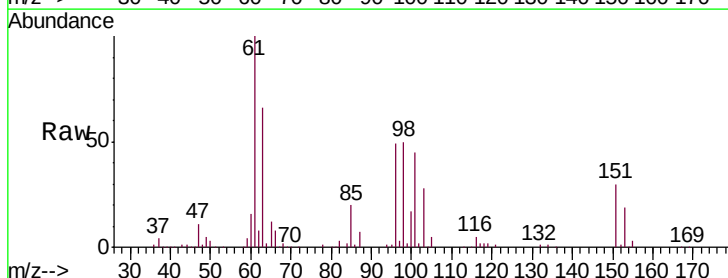
Tgt Ion: 96 Resp: 65291

Ion Ratio Lower Upper

96 100

61 205.0 135.2 251.0

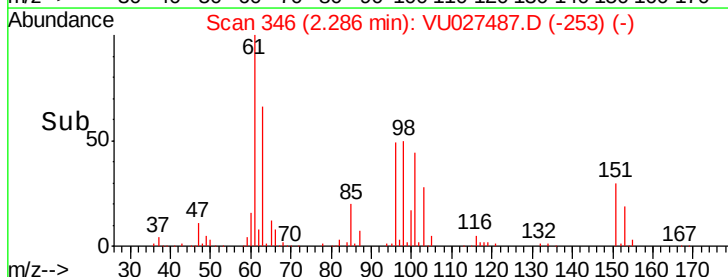
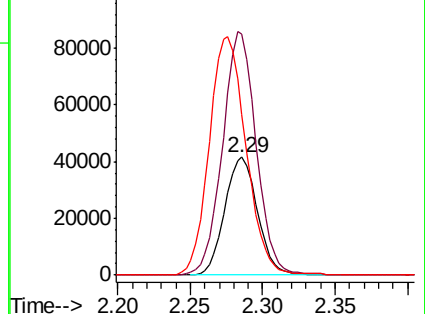
63 135.8 94.3 175.1

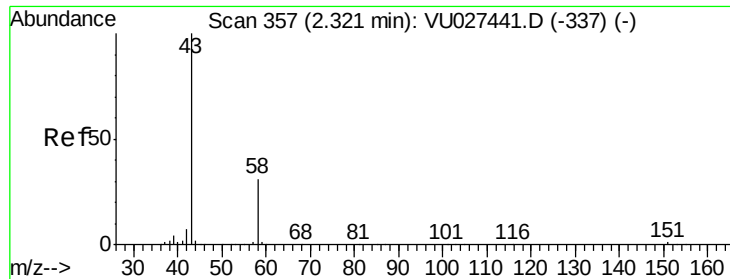


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 130.250 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027487.D

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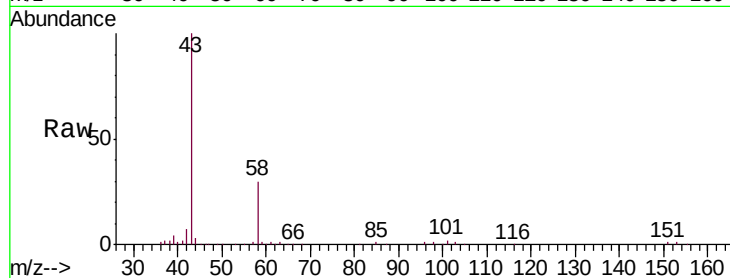
VSTD05040

Tgt Ion: 43 Resp: 129936

Ion Ratio Lower Upper

43 100

58 30.1 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VU027441.D (-337) (-)

Ion 58.00 (57.70 to 58.70): VU027441.D (-337) (-)

2.32

80000

60000

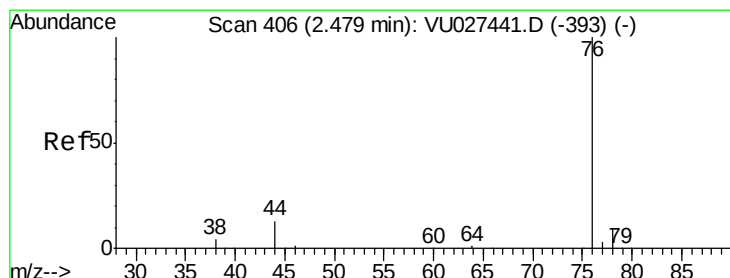
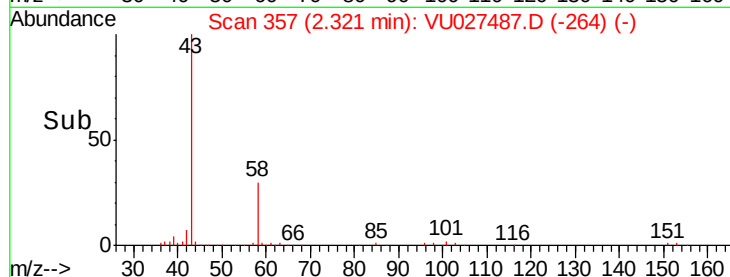
40000

20000

0

Time-->

2.20 2.30 2.40



#14

Carbon disulfide

Concen: 50.596 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU027487.D

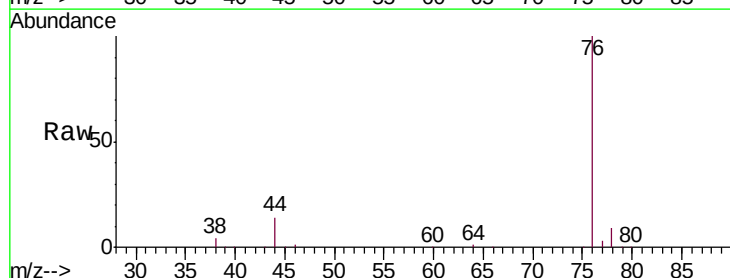
Acq: 08 Oct 2018 10:00

Tgt Ion: 76 Resp: 229838

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU027441.D (-393) (-)

Ion 78.00 (77.70 to 78.70): VU027441.D (-393) (-)

2.48

150000

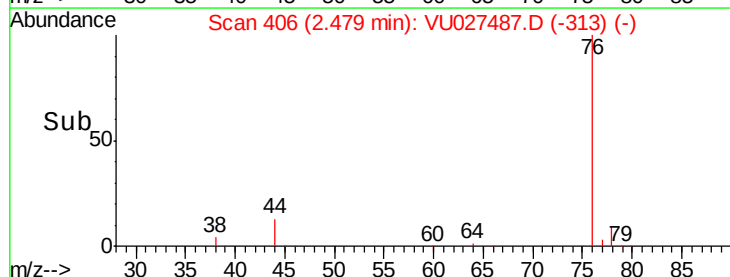
100000

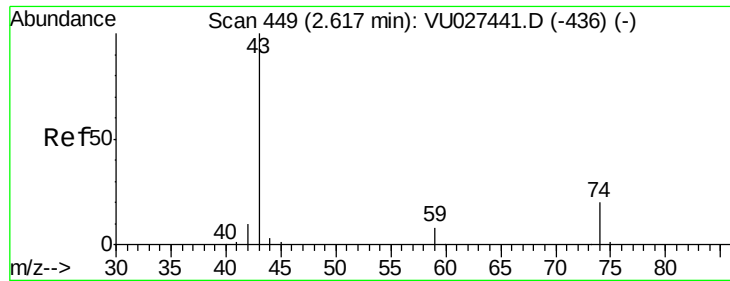
50000

0

Time-->

2.40 2.50 2.60

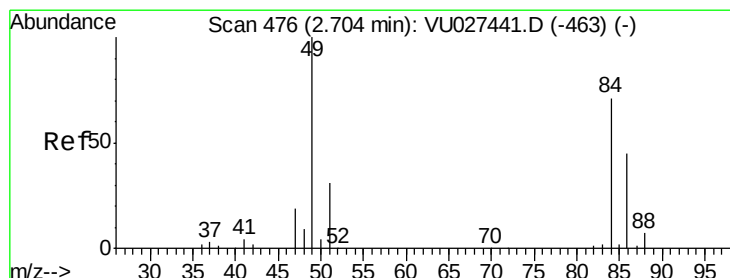
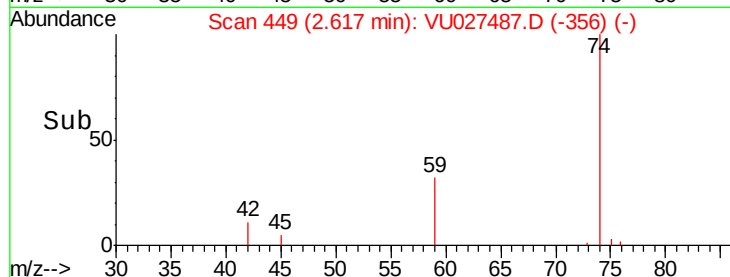
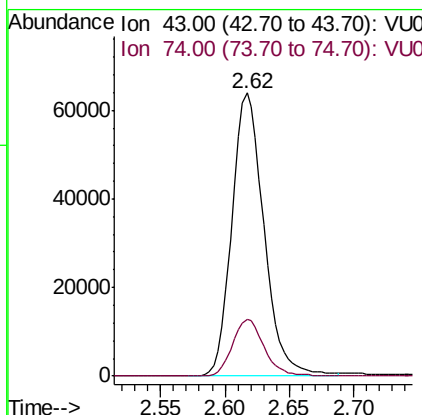
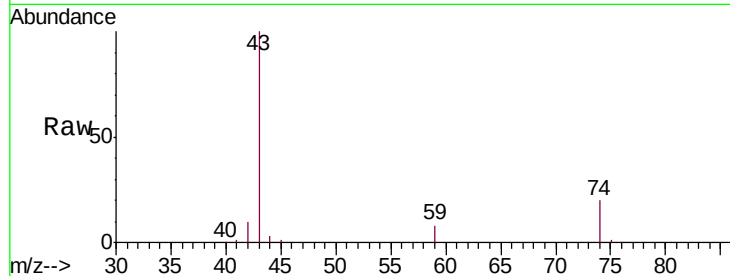




#15
Methyl Acetate
Concen: 55.364 ug/L
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU027487.D
Acq: 08 Oct 2018 10:00

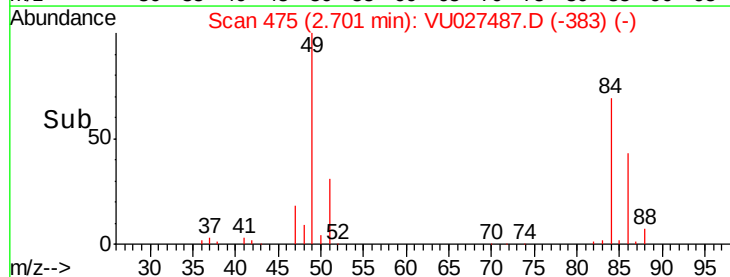
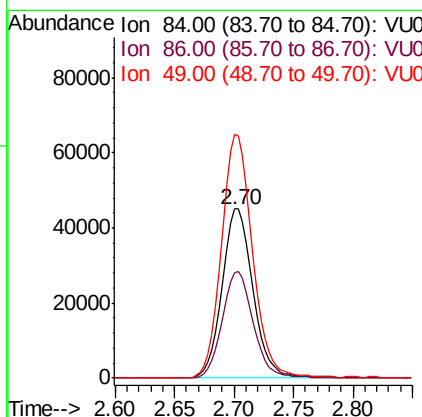
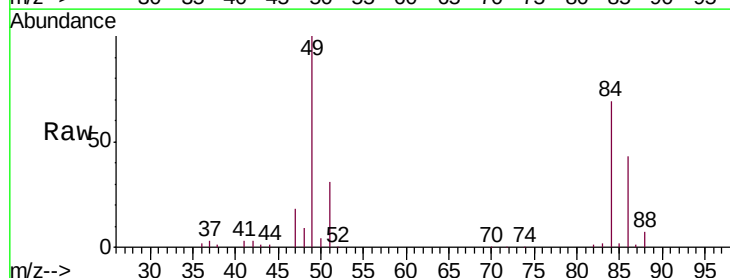
Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

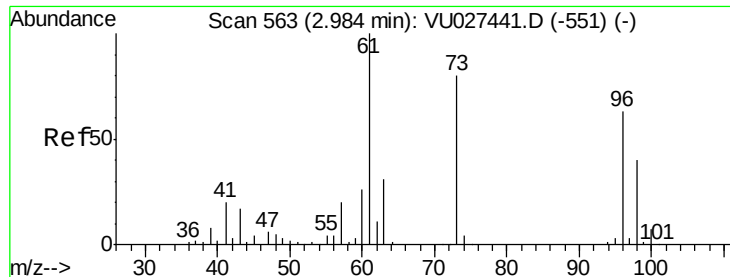
Tgt Ion: 43 Resp: 110675
Ion Ratio Lower Upper
43 100
74 19.8 16.0 24.0



#16
Methylene chloride
Concen: 54.137 ug/L
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027487.D
Acq: 08 Oct 2018 10:00

Tgt Ion: 84 Resp: 81314
Ion Ratio Lower Upper
84 100
86 62.6 44.6 82.8
49 143.9 98.3 182.5





#17

trans-1,2-Dichloroethene

Concen: 52.438 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027487.D

Acq: 08 Oct 2018 10:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

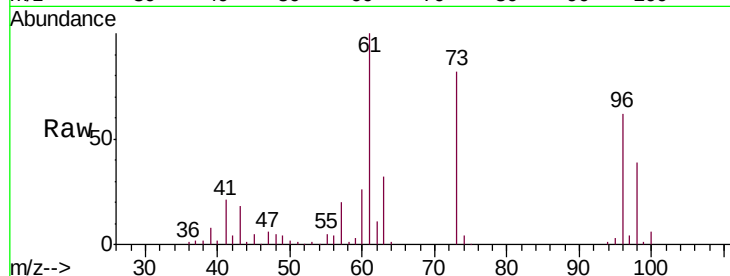
Tgt Ion: 96 Resp: 71811

Ion Ratio Lower Upper

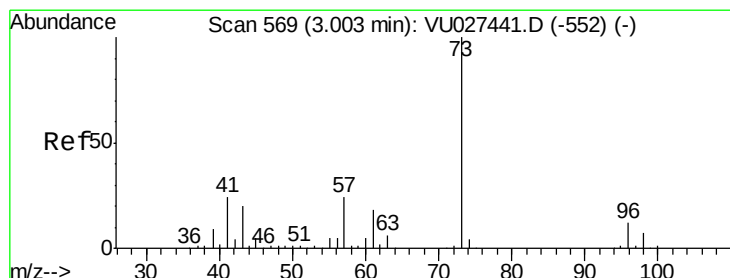
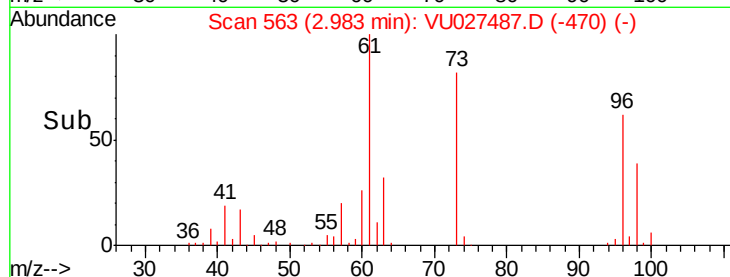
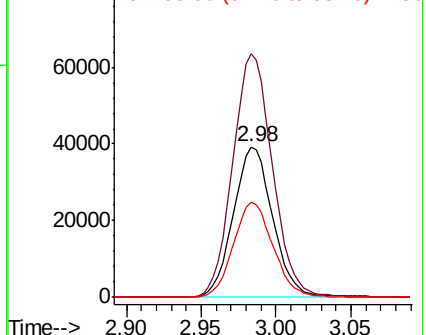
96 100

61 162.0 110.9 205.9

98 63.2 43.7 81.1



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



#18

Methyl tert-butyl Ether

Concen: 55.262 ug/L

RT: 3.00 min Scan# 569

Delta R.T. -0.00 min

Lab File: VU027487.D

Acq: 08 Oct 2018 10:00

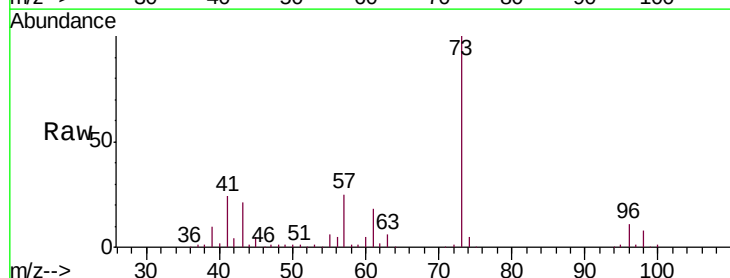
Tgt Ion: 73 Resp: 251624

Ion Ratio Lower Upper

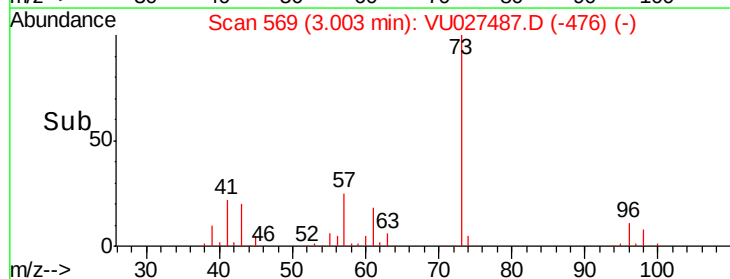
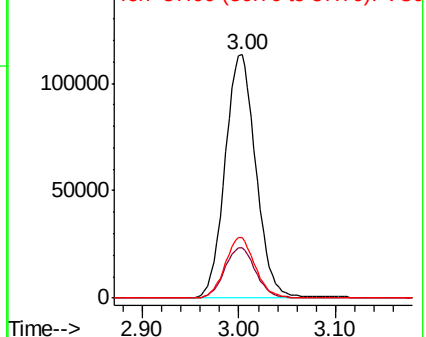
73 100

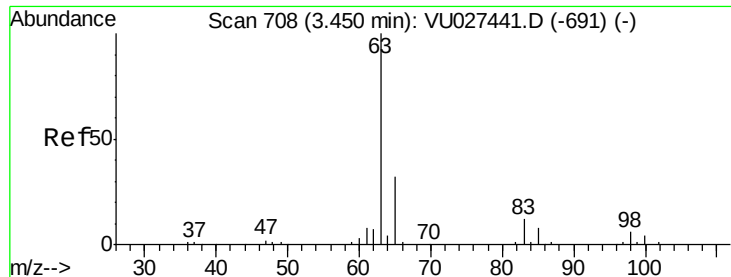
43 20.9 16.5 24.7

57 24.1 19.4 29.0



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

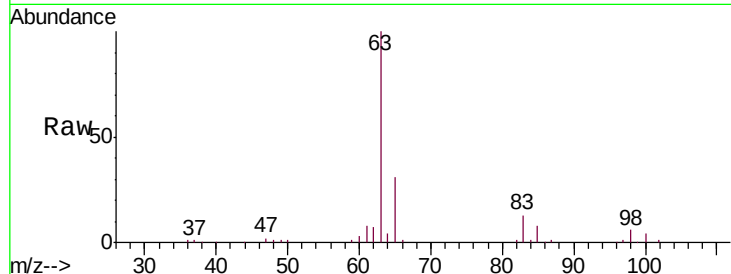




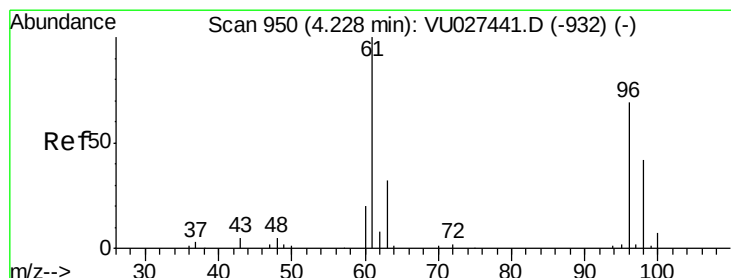
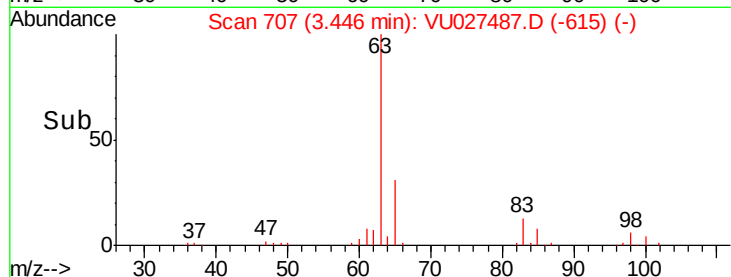
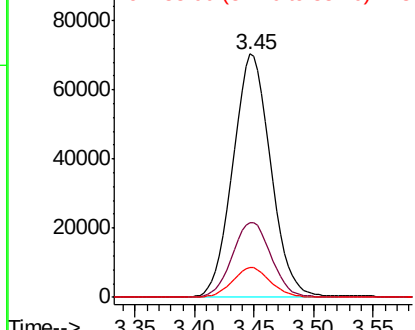
#19
 1,1-Dichloroethane
 Concen: 54.957 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU027487.D
 Acq: 08 Oct 2018 10:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

Tgt Ion: 63 Resp: 155403
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.3 41.3
 83 12.5 8.4 15.6

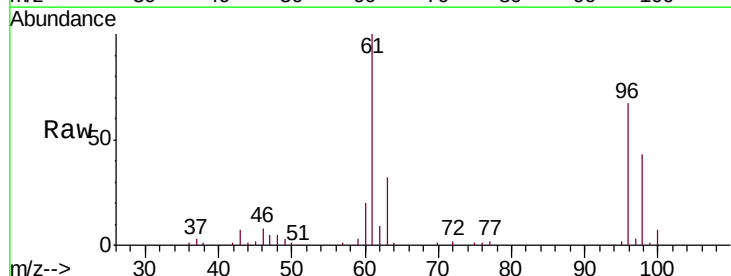


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

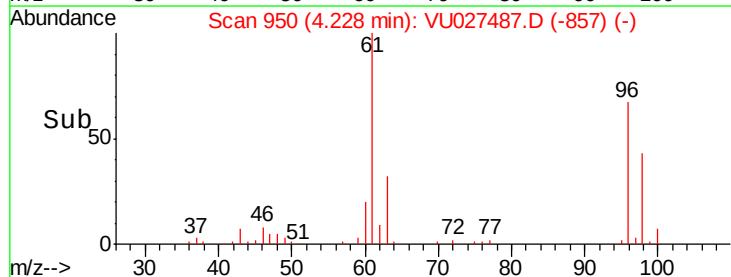
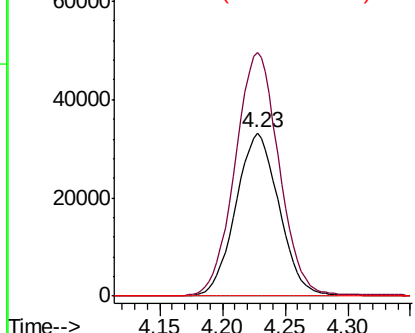


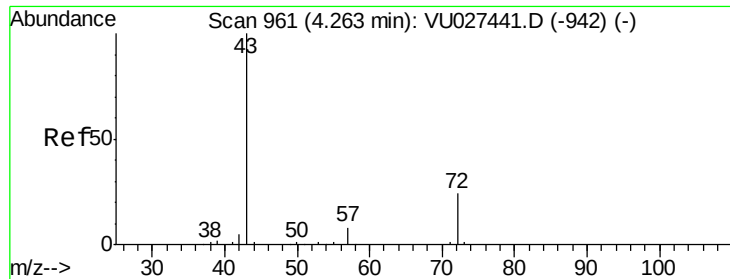
#20
 cis-1,2-Dichloroethene
 Concen: 52.502 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027487.D
 Acq: 08 Oct 2018 10:00

Tgt Ion: 96 Resp: 79758
 Ion Ratio Lower Upper
 96 100
 61 149.3 102.0 189.4
 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: 115.492 ug/L

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU027487.D

Acq: 08 Oct 2018 10:00

Instrument :

MSVOA_U

ClientSampleId :

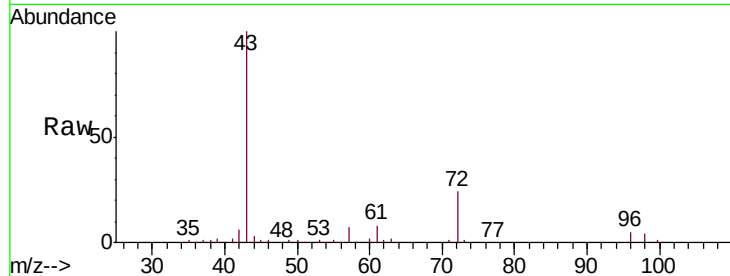
VSTD05040

Tgt Ion: 43 Resp: 164925

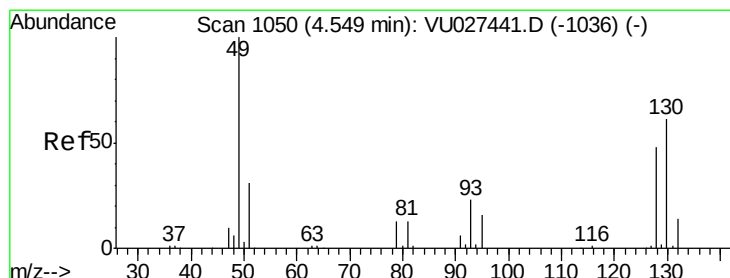
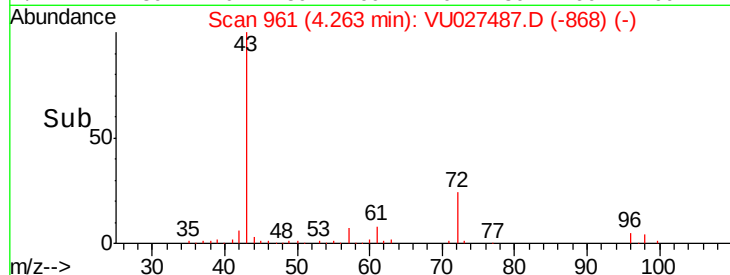
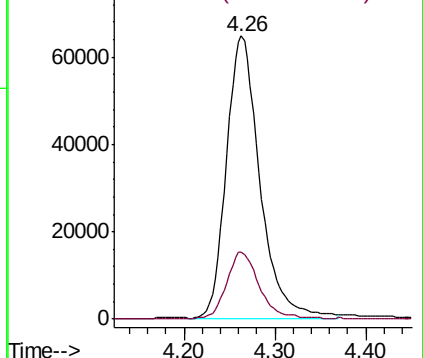
Ion Ratio Lower Upper

43 100

72 23.3 11.9 35.5



Abundance Ion 43.00 (42.70 to 43.70): VU027487.D (-968) (-)



#23

Bromochloromethane

Concen: 53.400 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU027487.D

Acq: 08 Oct 2018 10:00

Tgt Ion: 128 Resp: 36994

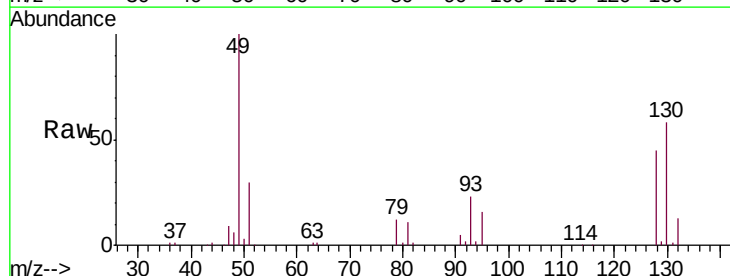
Ion Ratio Lower Upper

128 100

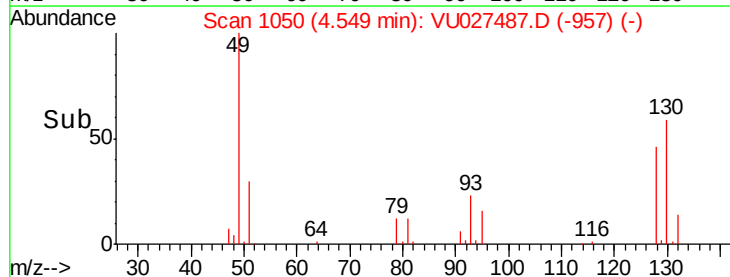
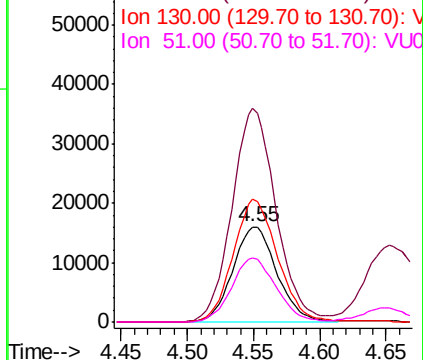
49 224.3 146.9 272.7

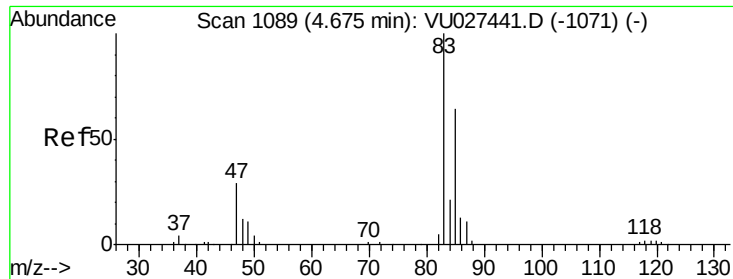
130 129.4 89.2 165.6

51 67.6 52.2 78.4



Abundance Ion 128.00 (127.70 to 128.70): VU027487.D (-957) (-)

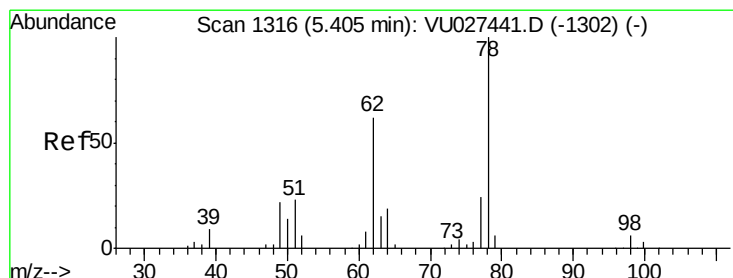
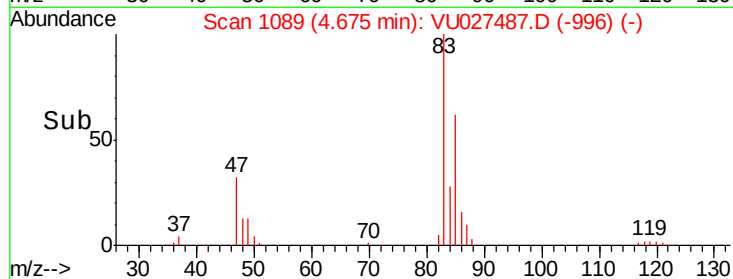
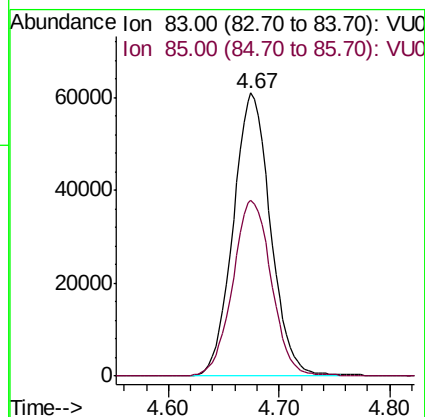
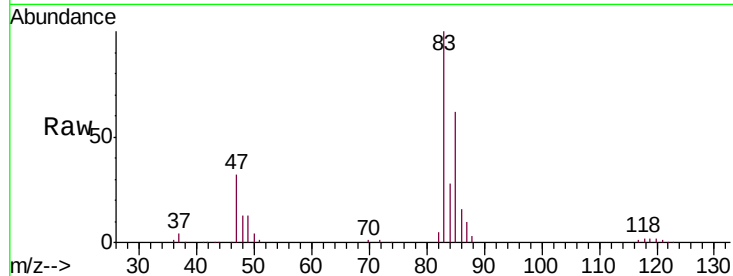




#25
Chloroform
Concen: 52.366 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027487.D
Acq: 08 Oct 2018 10:00

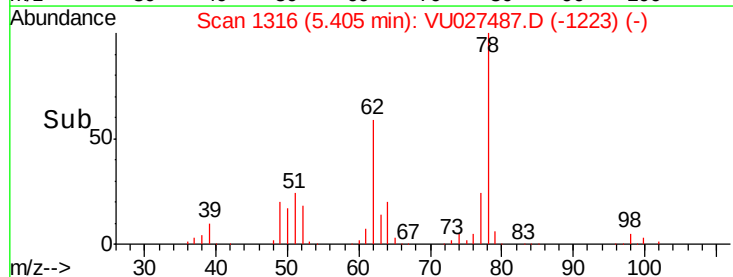
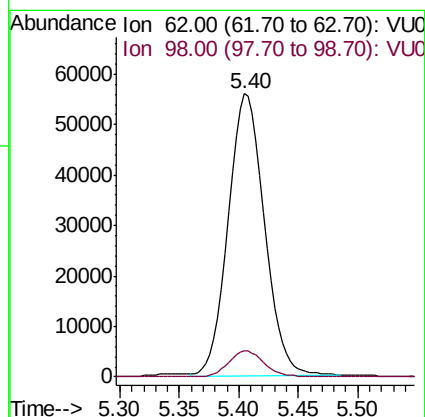
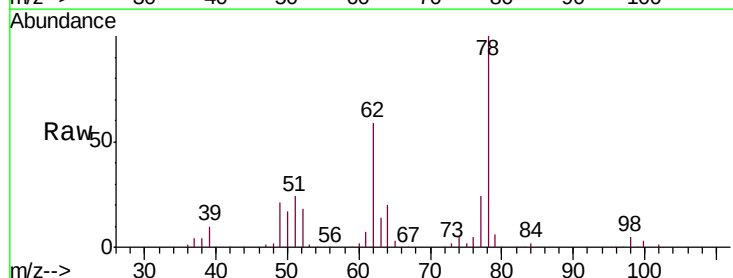
Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

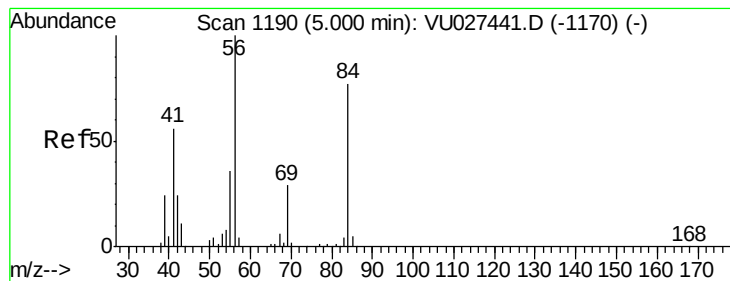
Tgt Ion: 83 Resp: 143044
Ion Ratio Lower Upper
83 100
85 62.0 45.0 83.6



#27
1,2-Dichloroethane
Concen: 53.897 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027487.D
Acq: 08 Oct 2018 10:00

Tgt Ion: 62 Resp: 118240
Ion Ratio Lower Upper
62 100
98 9.0 7.1 10.7





#29

Cyclohexane

Concen: 55.279 ug/L

RT: 5.00 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VU027487.D

Acq: 08 Oct 2018 10:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

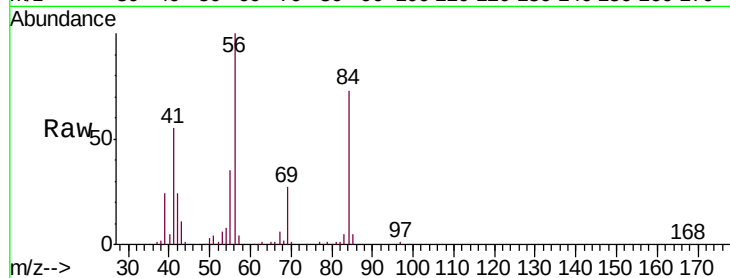
Tgt Ion: 56 Resp: 152195

Ion Ratio Lower Upper

56 100

69 27.5 22.5 33.7

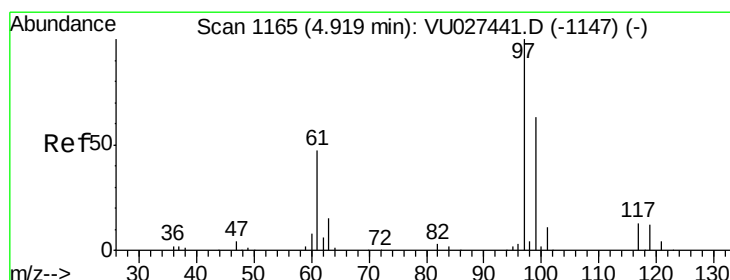
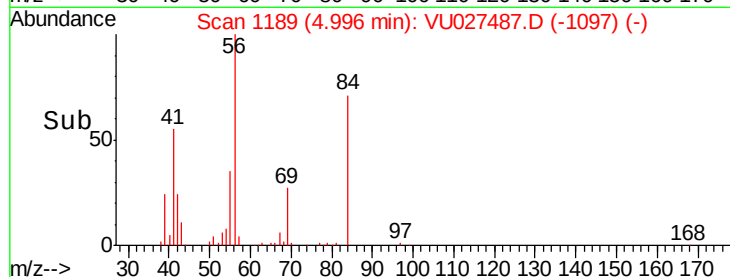
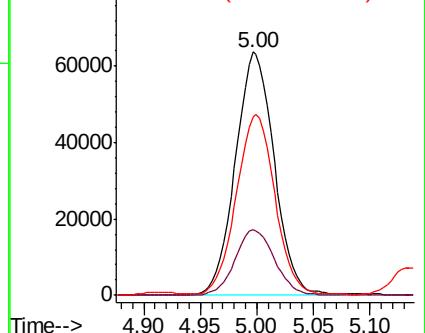
84 74.9 60.9 91.3



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: 53.865 ug/L

RT: 4.92 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VU027487.D

Acq: 08 Oct 2018 10:00

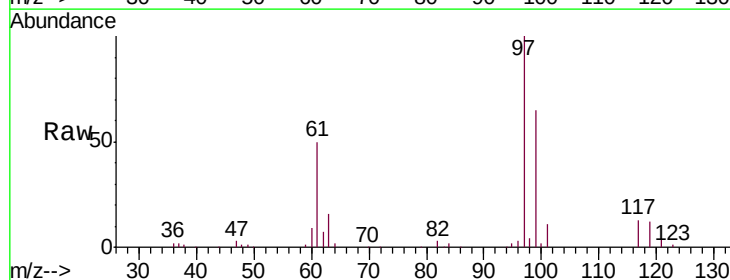
Tgt Ion: 97 Resp: 116983

Ion Ratio Lower Upper

97 100

99 64.0 50.9 76.3

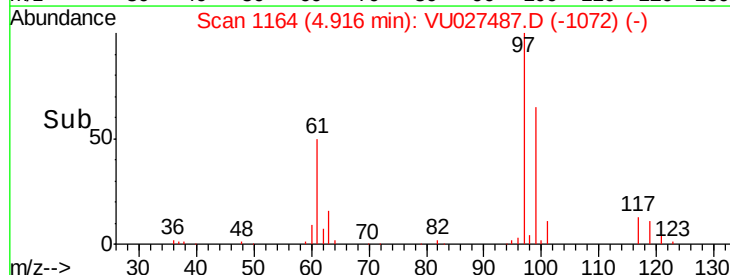
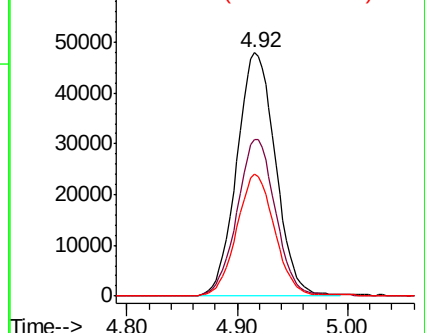
61 48.8 38.2 57.4

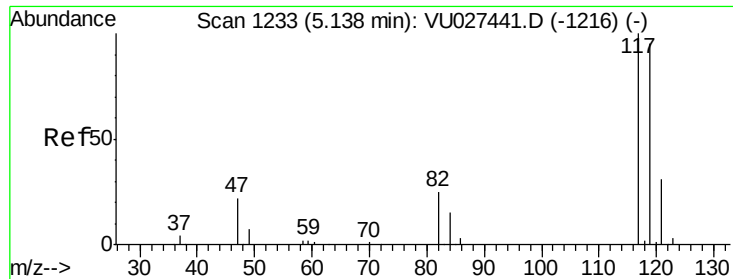


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

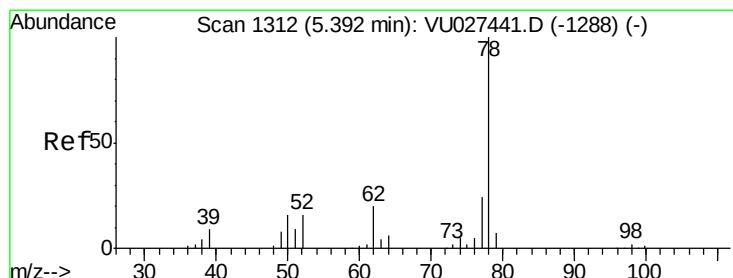
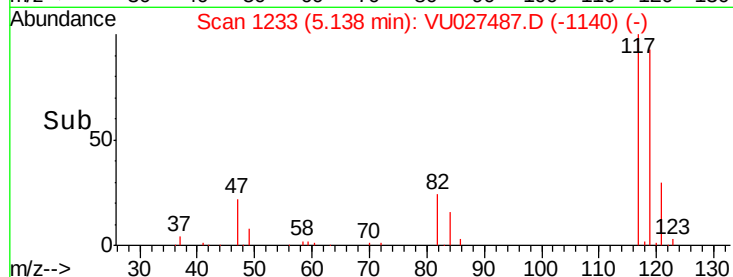
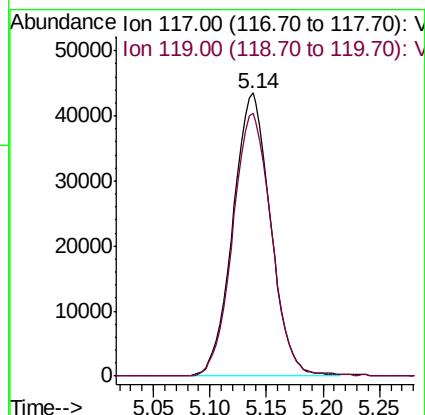
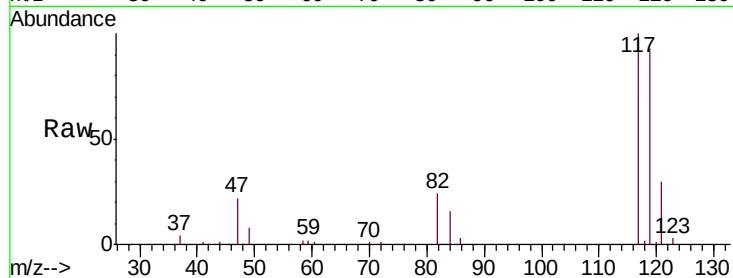




#31
 Carbon tetrachloride
 Concen: 55.285 ug/L
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU027487.D
 Acq: 08 Oct 2018 10:00

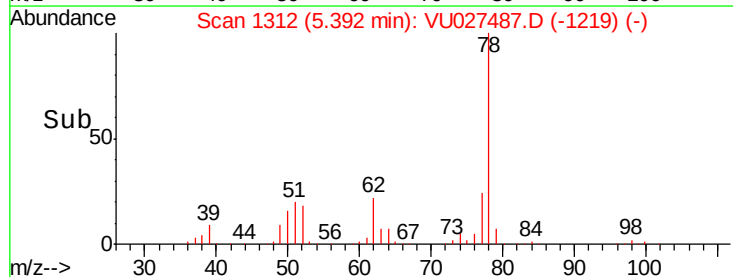
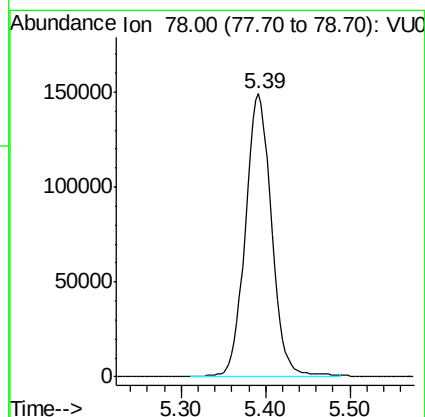
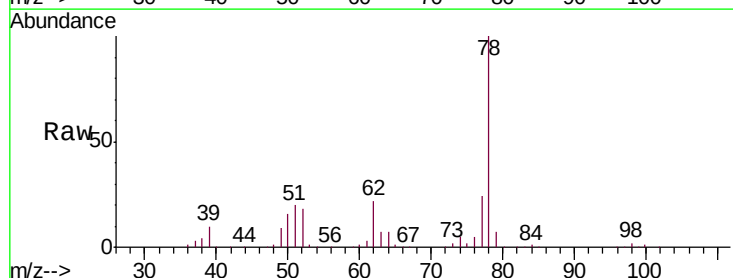
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

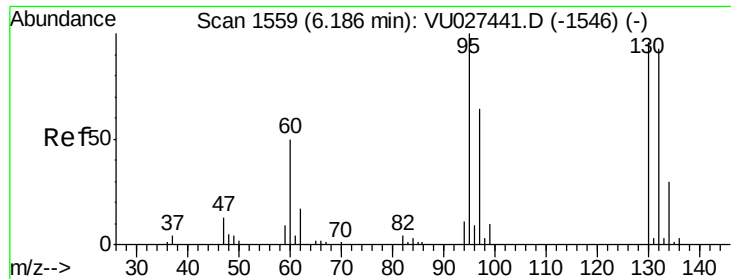
Tgt Ion:117 Resp: 100989
 Ion Ratio Lower Upper
 117 100
 119 95.2 76.8 115.2



#33
 Benzene
 Concen: 54.235 ug/L
 RT: 5.39 min Scan# 1312
 Delta R.T. -0.00 min
 Lab File: VU027487.D
 Acq: 08 Oct 2018 10:00

Tgt Ion: 78 Resp: 323506





#34

Trichloroethene

Concen: 54.159 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027487.D

Acq: 08 Oct 2018 10:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

Tgt Ion: 95 Resp: 77692

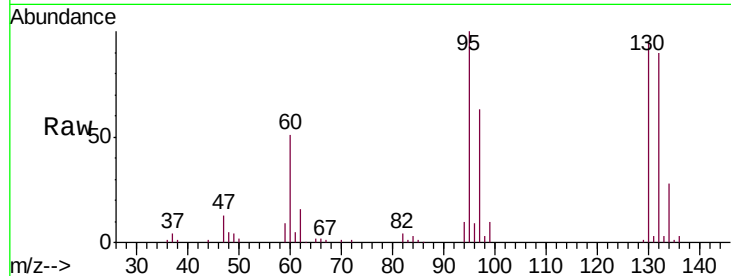
Ion Ratio Lower Upper

95 100

97 62.6 44.9 83.3

132 90.0 64.8 120.4

130 95.2 67.1 124.7

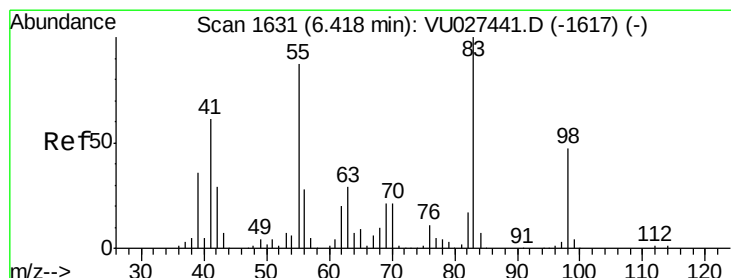
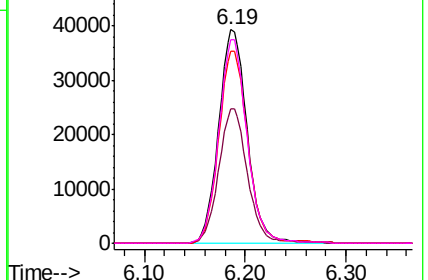
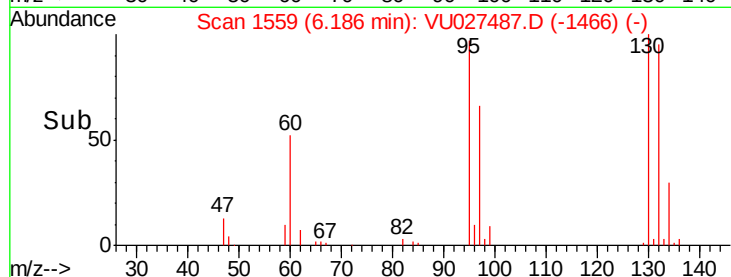


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 55.505 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VU027487.D

Acq: 08 Oct 2018 10:00

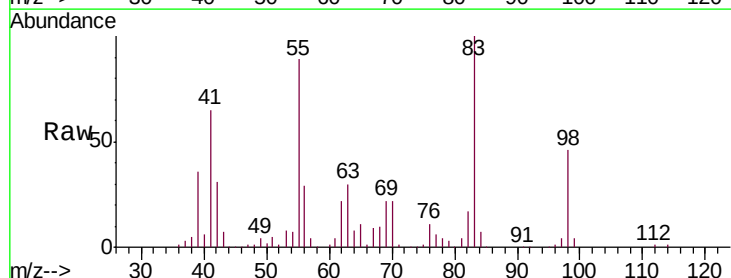
Tgt Ion: 83 Resp: 138343

Ion Ratio Lower Upper

83 100

55 88.2 69.9 104.9

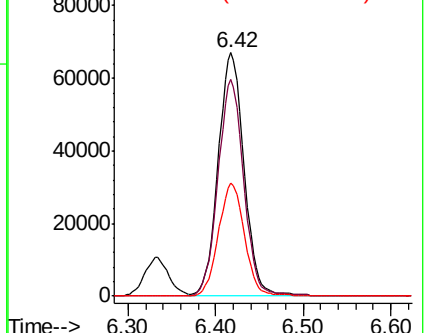
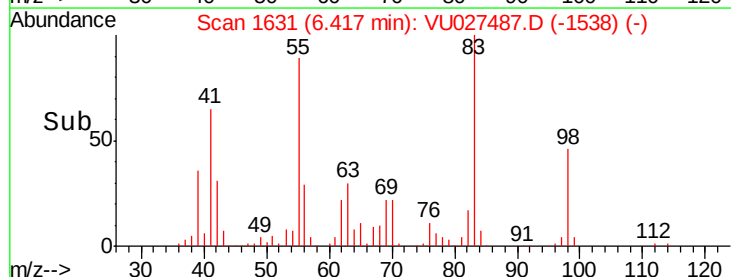
98 46.4 37.1 55.7

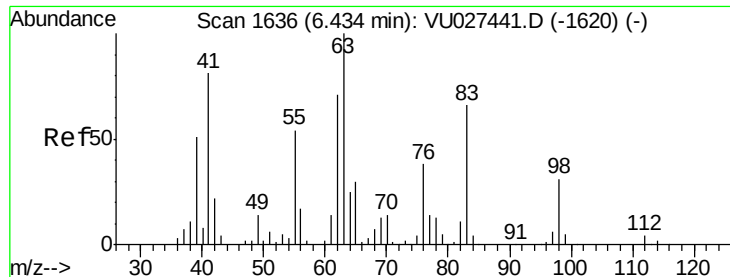


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

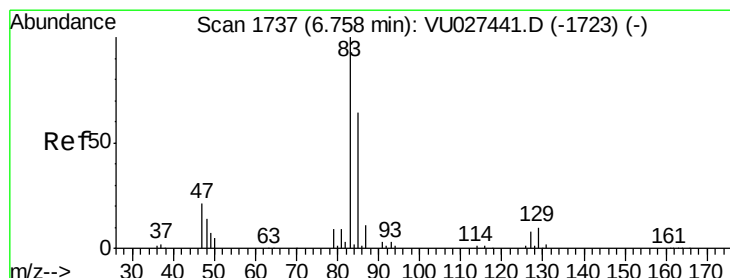
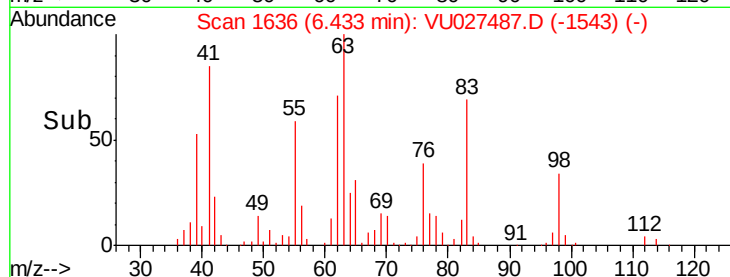
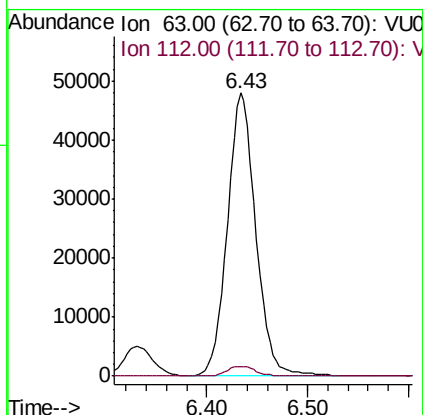
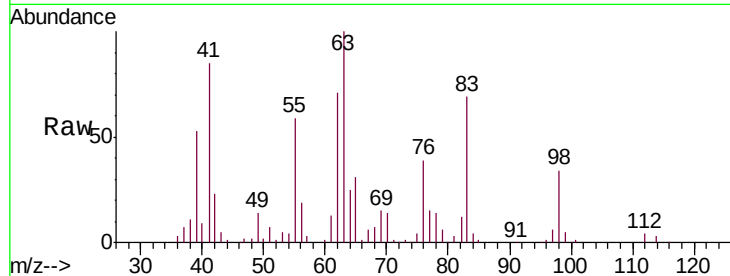




#37
 1,2-Dichloropropane
 Concen: 54.613 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027487.D
 Acq: 08 Oct 2018 10:00

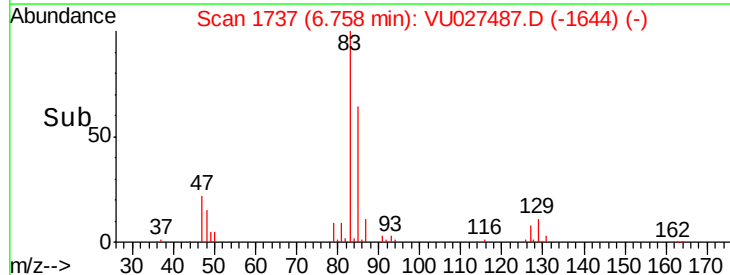
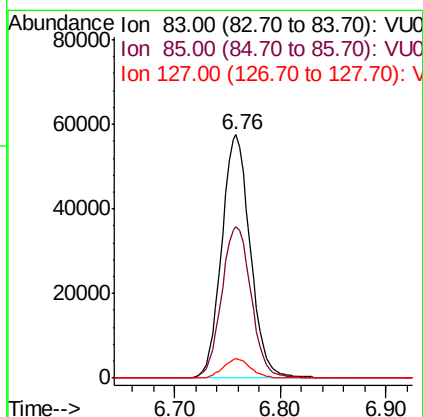
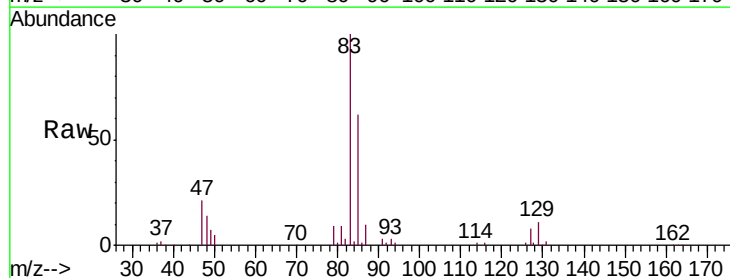
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

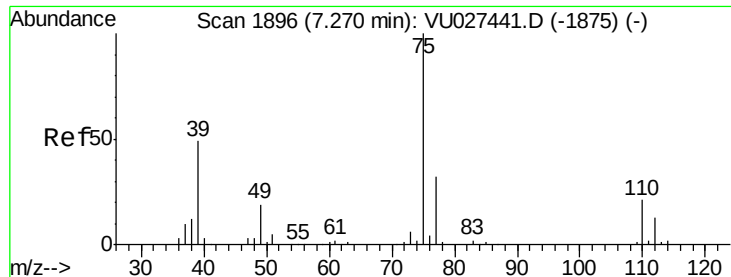
Tgt Ion: 63 Resp: 94380
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.9 4.3



#38
 Bromodichloromethane
 Concen: 54.881 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU027487.D
 Acq: 08 Oct 2018 10:00

Tgt Ion: 83 Resp: 107776
 Ion Ratio Lower Upper
 83 100
 85 62.0 45.1 83.7
 127 8.0 6.3 9.5

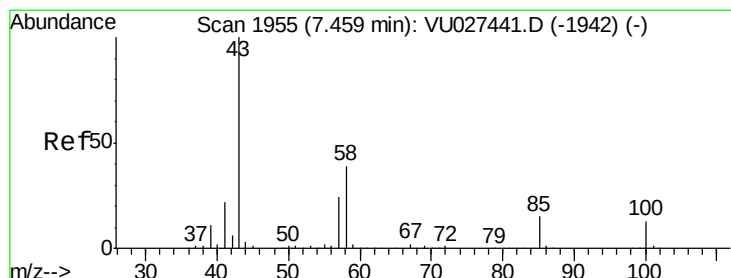
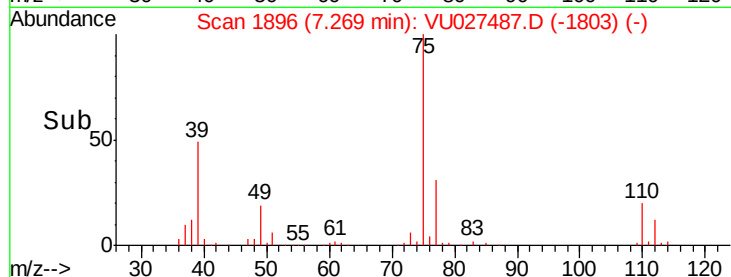
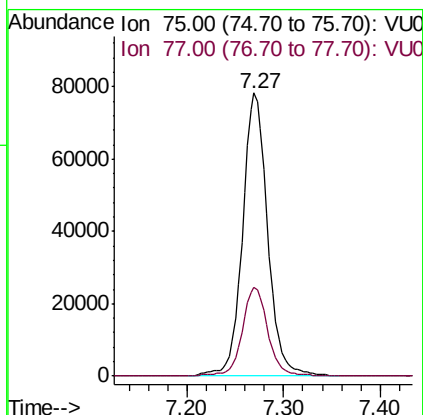
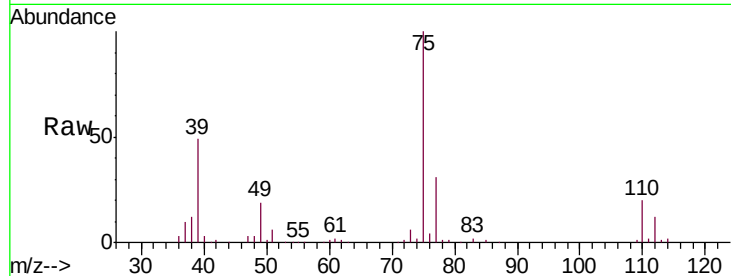




#39
 cis-1,3-Dichloropropene
 Concen: 55.580 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU027487.D
 Acq: 08 Oct 2018 10:00

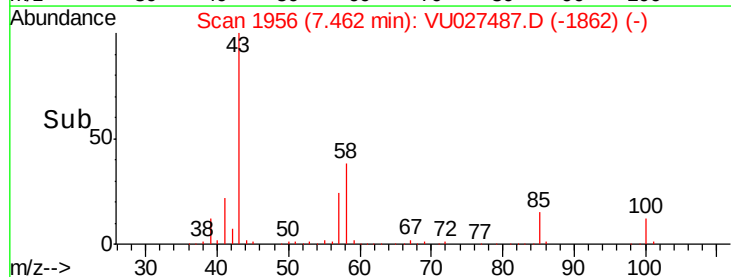
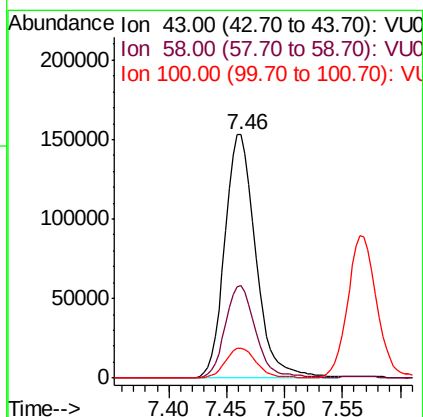
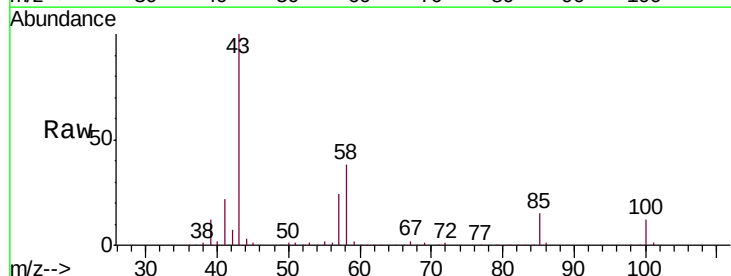
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

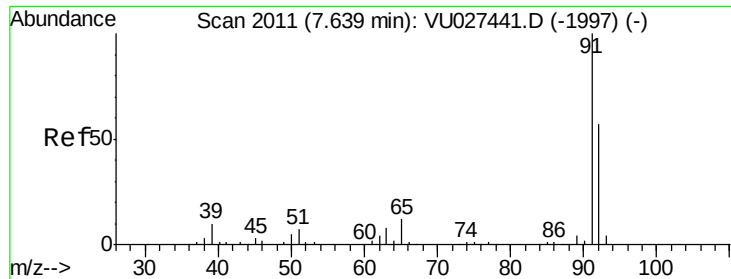
Tgt Ion: 75 Resp: 141136
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 111.855 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VU027487.D
 Acq: 08 Oct 2018 10:00

Tgt Ion: 43 Resp: 283066
 Ion Ratio Lower Upper
 43 100
 58 37.5 30.7 46.1
 100 12.5 10.2 15.4





#42

Toluene

Concen: 54.173 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027487.D

Acq: 08 Oct 2018 10:00

Instrument :

MSVOA_U

ClientSampleId :

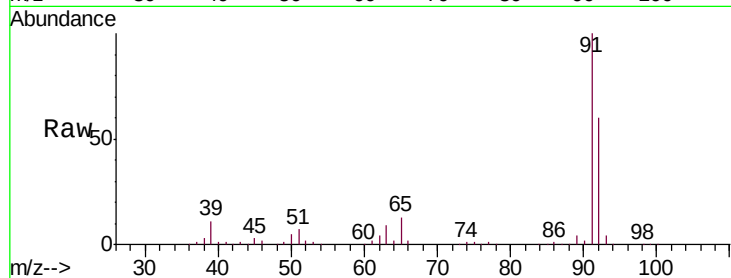
VSTD05040

Tgt Ion: 91 Resp: 324222

Ion Ratio Lower Upper

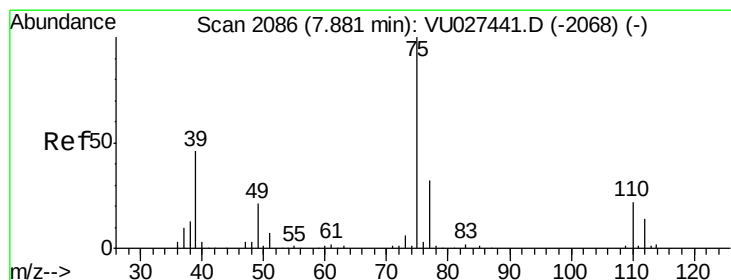
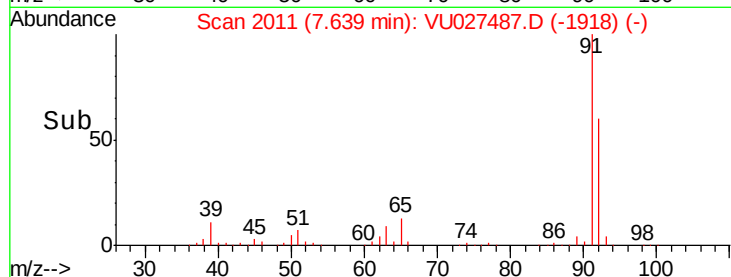
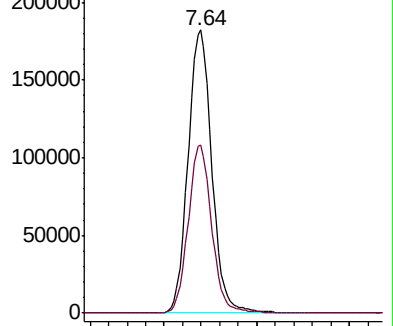
91 100

92 59.5 40.2 74.6



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: 55.312 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU027487.D

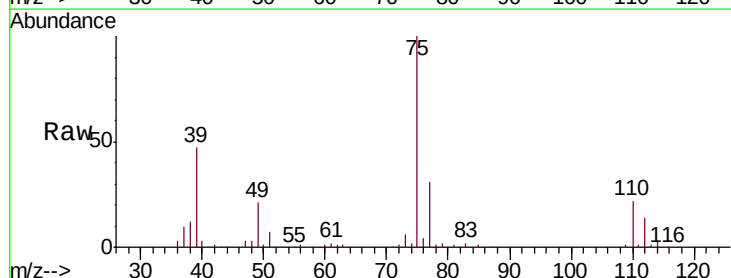
Acq: 08 Oct 2018 10:00

Tgt Ion: 75 Resp: 130375

Ion Ratio Lower Upper

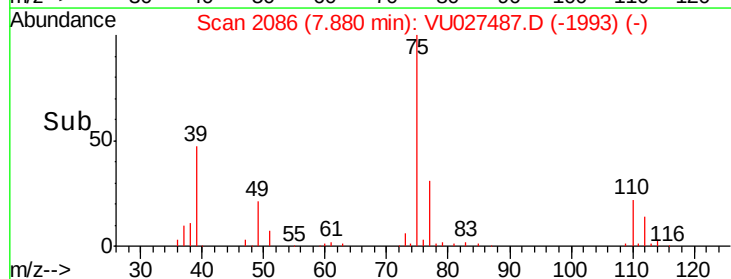
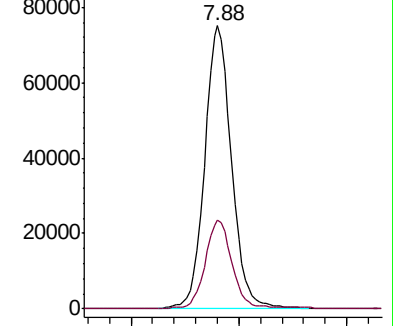
75 100

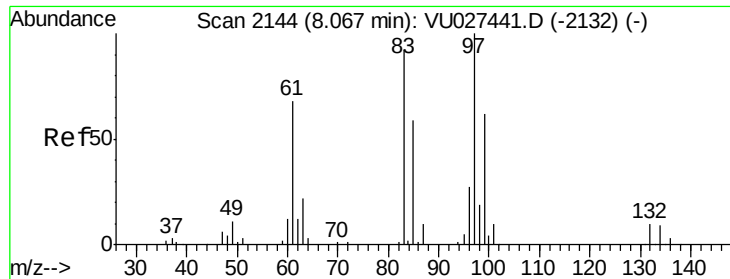
77 31.3 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

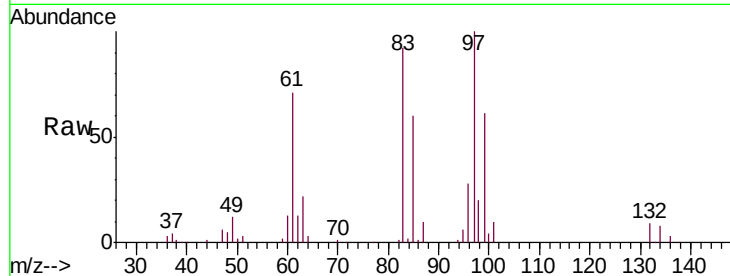




#45
1,1,2-Trichloroethane
Concen: 54.004 ug/L
RT: 8.07 min Scan# 2144
Delta R.T. -0.00 min
Lab File: VU027487.D
Acq: 08 Oct 2018 10:00

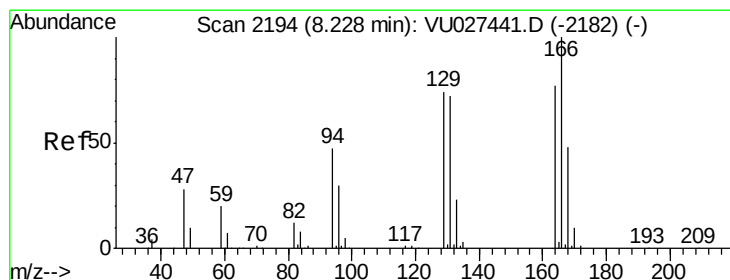
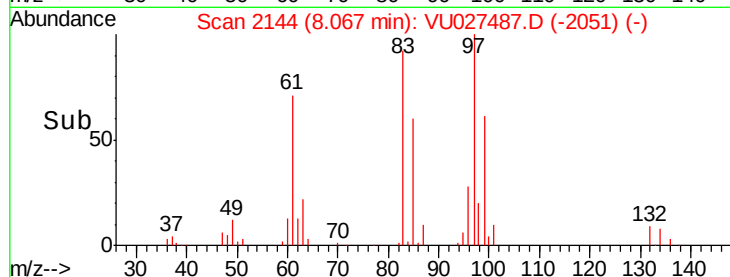
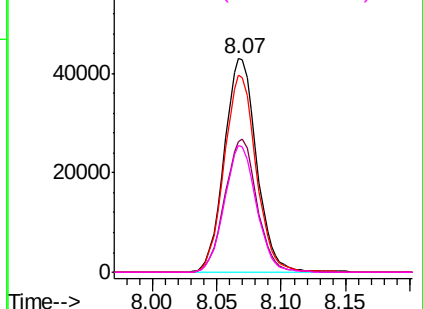
Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

Tgt Ion:	97	Resp:	74918
Ion	Ratio	Lower	Upper
97	100		
99	61.4	43.2	80.2
83	92.3	64.3	119.5
85	59.5	41.0	76.2



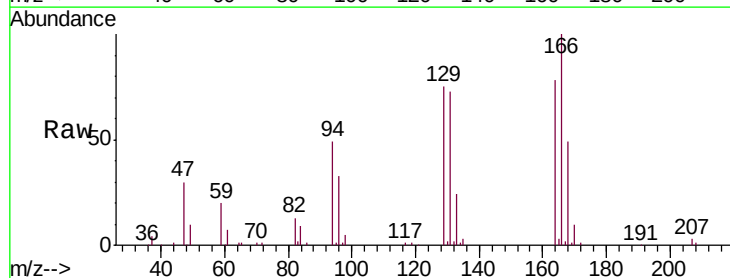
Abundance

Ion 97.00 (96.70 to 97.70): VU027487.D (-2132) (-)



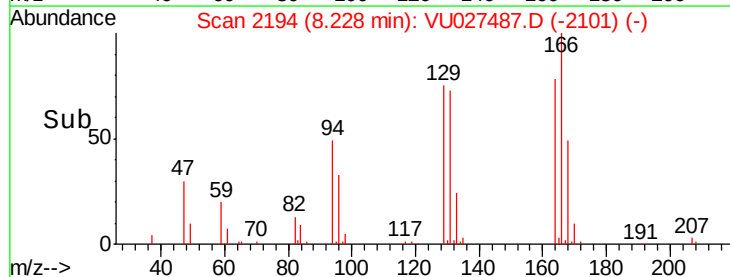
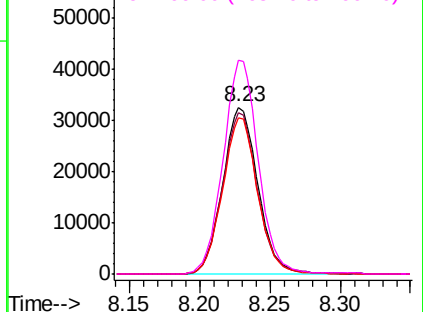
#46
Tetrachloroethene
Concen: 53.437 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027487.D
Acq: 08 Oct 2018 10:00

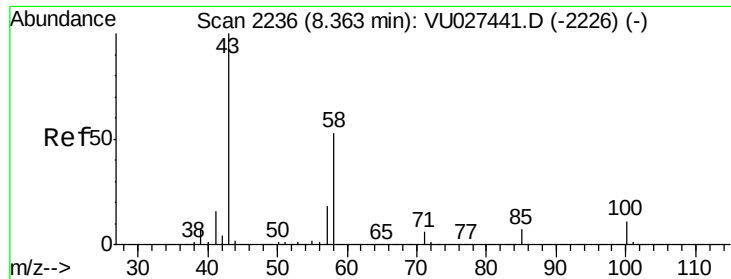
Tgt Ion:	164	Resp:	56970
Ion	Ratio	Lower	Upper
164	100		
129	96.6	67.0	124.4
131	93.8	65.1	120.9
166	128.2	90.4	167.8



Abundance

Ion 164.00 (163.70 to 164.70): VU027487.D (-2182) (-)

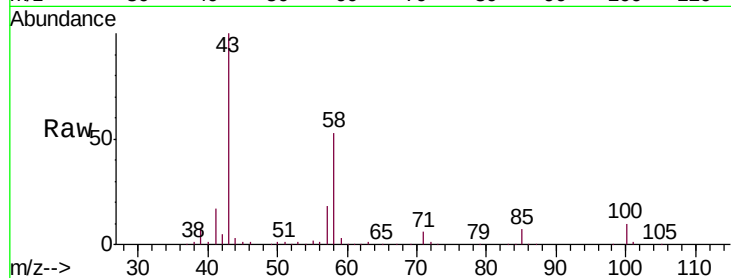




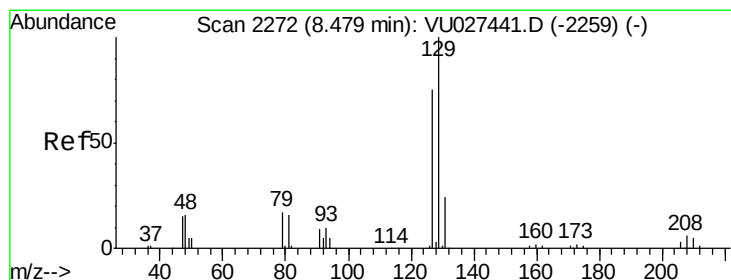
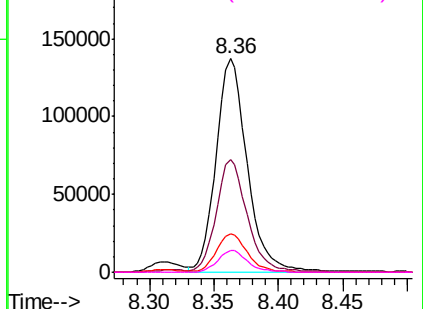
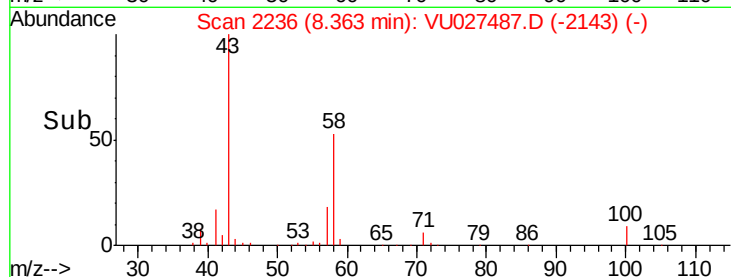
#48
2-Hexanone
Concen: 115.757 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027487.D
Acq: 08 Oct 2018 10:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

Tgt Ion: 43 Resp: 231312
Ion Ratio Lower Upper
43 100
58 52.4 42.7 64.1
57 18.0 14.5 21.7
100 10.0 8.2 12.2

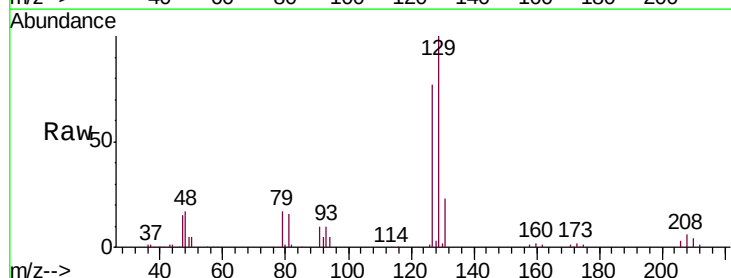


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

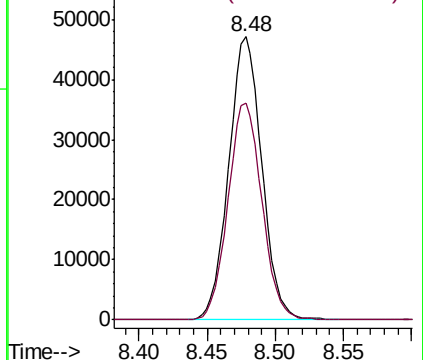
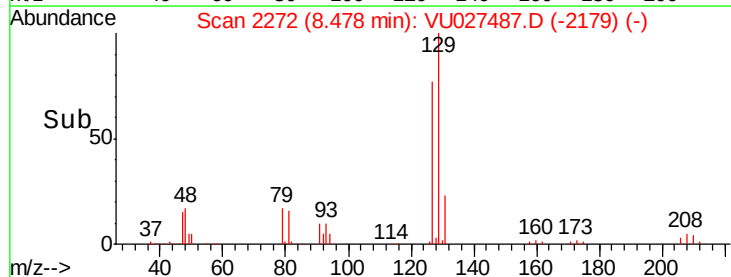


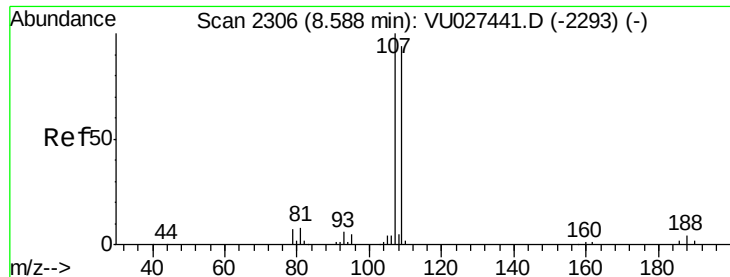
#49
Dibromochloromethane
Concen: 54.970 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027487.D
Acq: 08 Oct 2018 10:00

Tgt Ion: 129 Resp: 79516
Ion Ratio Lower Upper
129 100
127 76.7 52.7 97.9



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

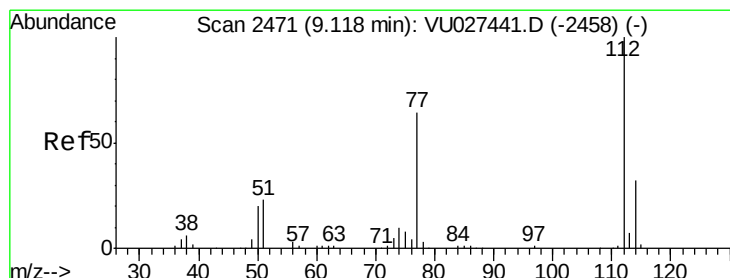
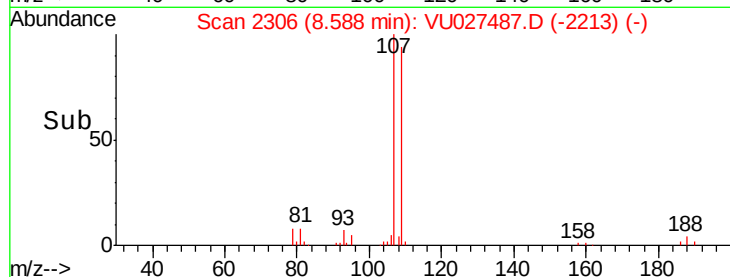
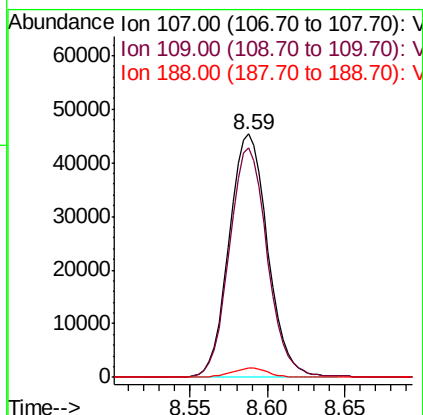
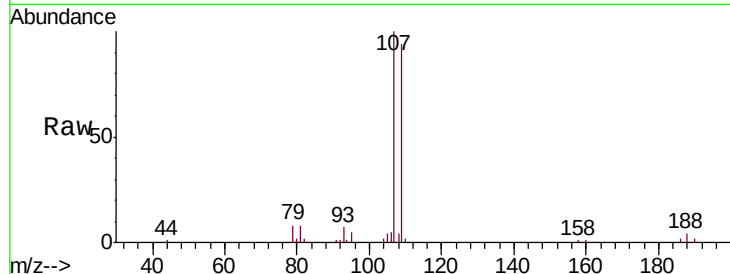




#50
1,2-Dibromoethane
Concen: 53.444 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VU027487.D
Acq: 08 Oct 2018 10:00

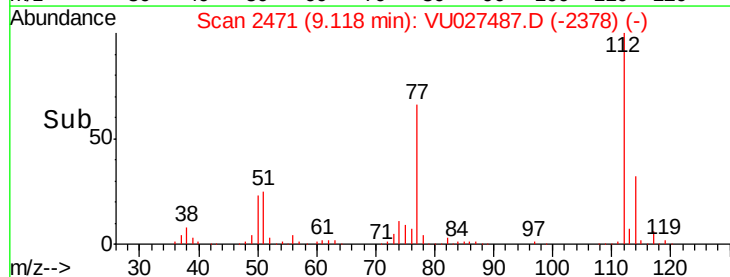
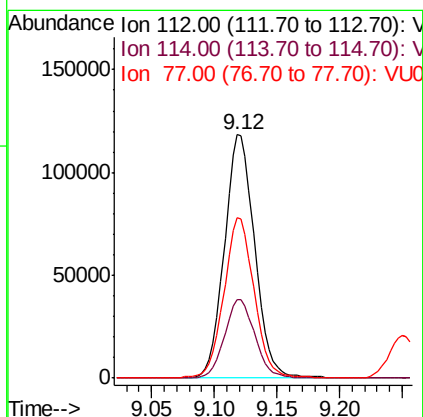
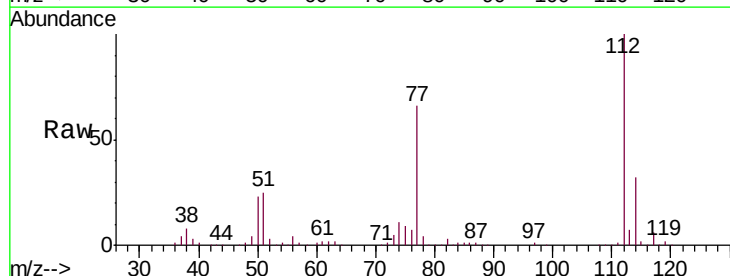
Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

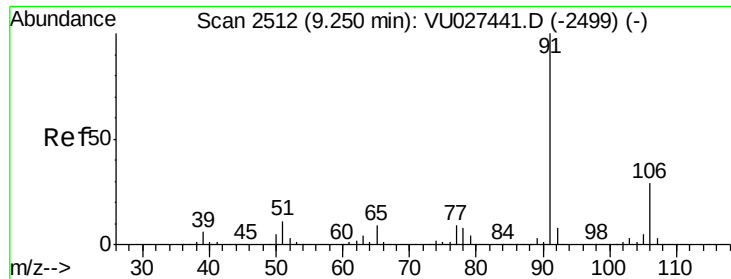
Tgt Ion:107 Resp: 78658
Ion Ratio Lower Upper
107 100
109 94.2 65.5 121.6
188 3.9 3.0 4.6



#51
Chlorobenzene
Concen: 52.728 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027487.D
Acq: 08 Oct 2018 10:00

Tgt Ion:112 Resp: 199511
Ion Ratio Lower Upper
112 100
114 32.4 22.3 41.5
77 65.6 51.7 77.5





#52

Ethylbenzene

Concen: 54.423 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027487.D

Acq: 08 Oct 2018 10:00

Instrument :

MSVOA_U

ClientSampleId :

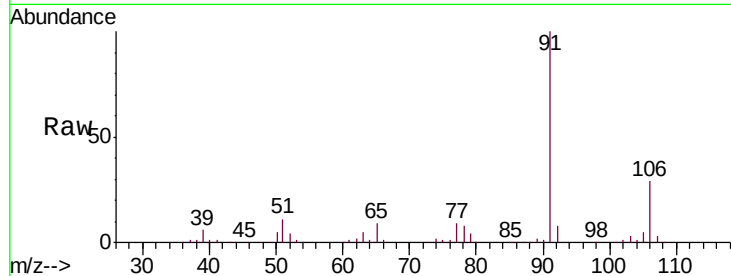
VSTD05040

Tgt Ion: 91 Resp: 361660

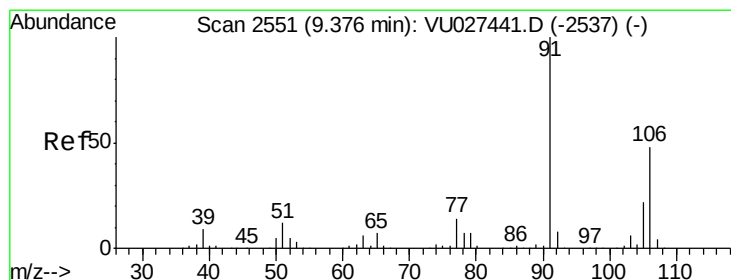
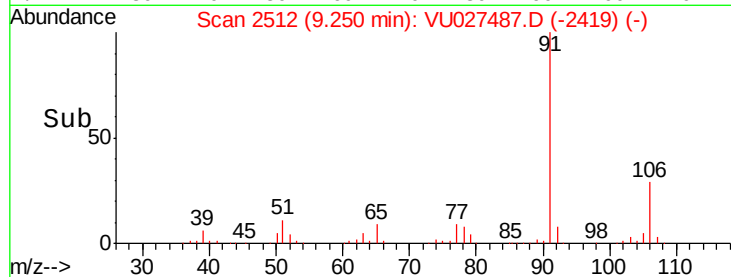
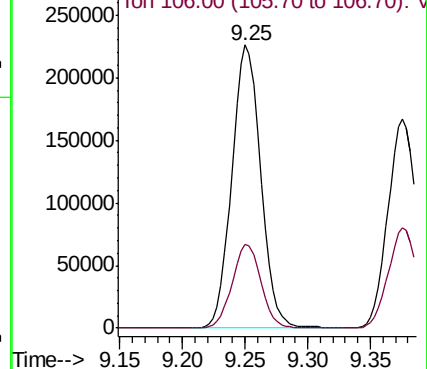
Ion Ratio Lower Upper

91 100

106 29.5 20.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VU027487.D (-2499) (-)



#53

m,p-Xylene

Concen: 54.820 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU027487.D

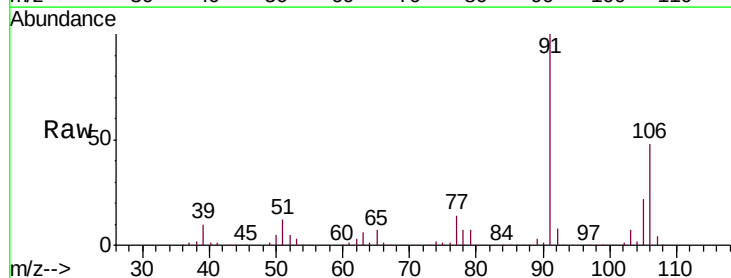
Acq: 08 Oct 2018 10:00

Tgt Ion: 106 Resp: 133339

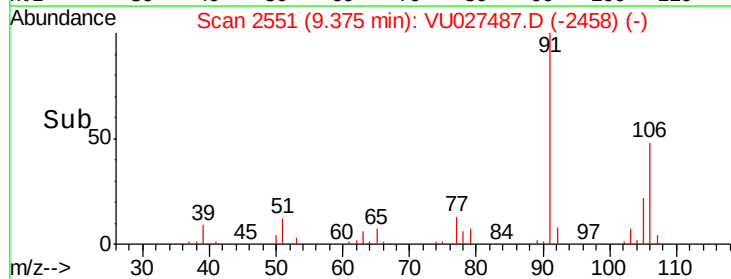
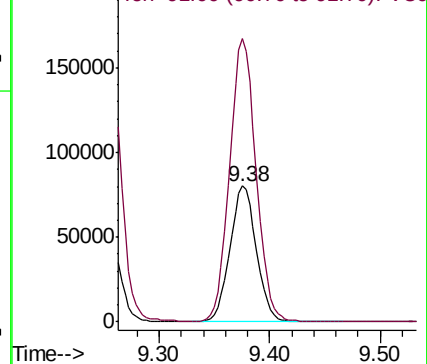
Ion Ratio Lower Upper

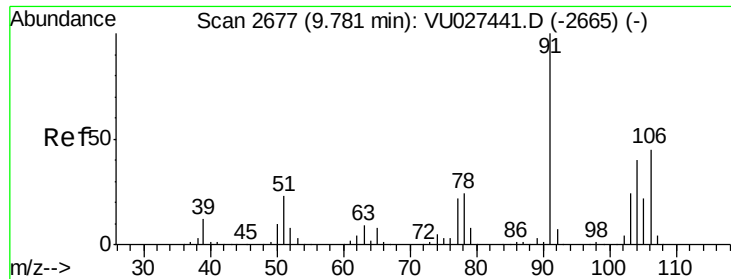
106 100

91 207.9 145.0 269.4



Abundance Ion 106.00 (105.70 to 106.70): VU027487.D (-2537) (-)

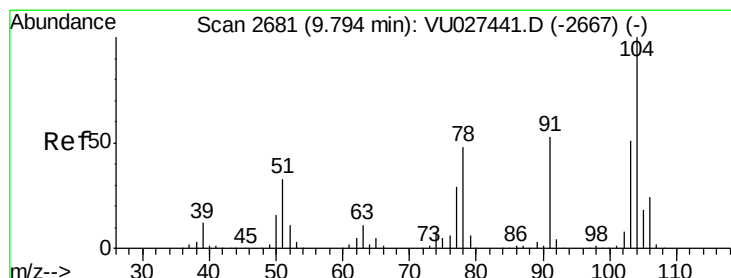
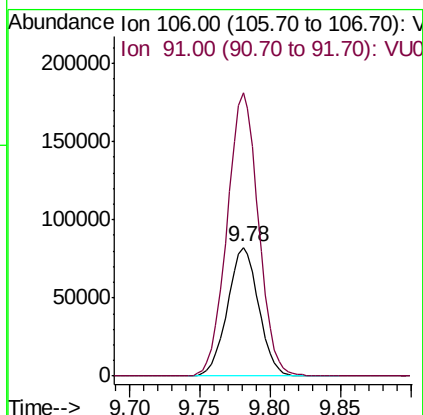
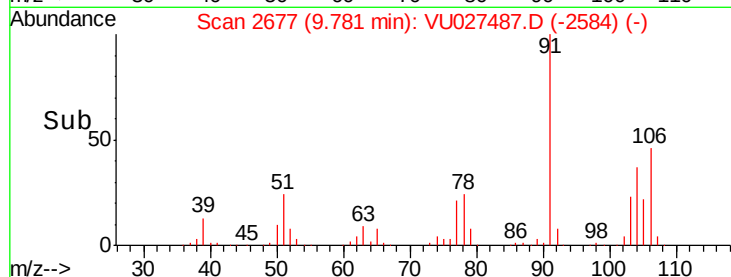
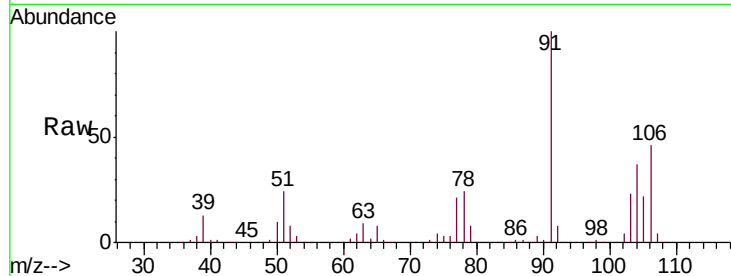




#54
o-xylene
Concen: 54.298 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027487.D
Acq: 08 Oct 2018 10:00

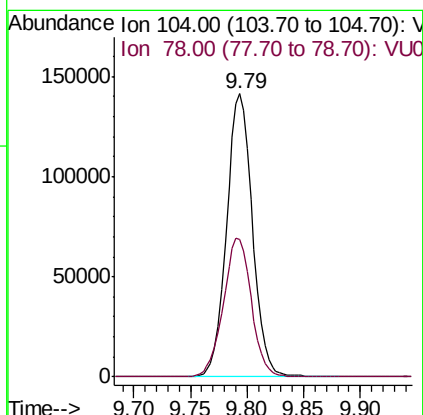
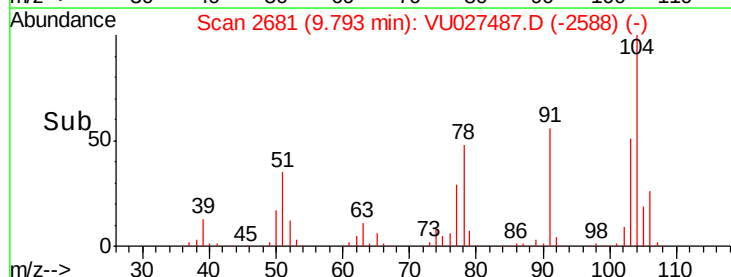
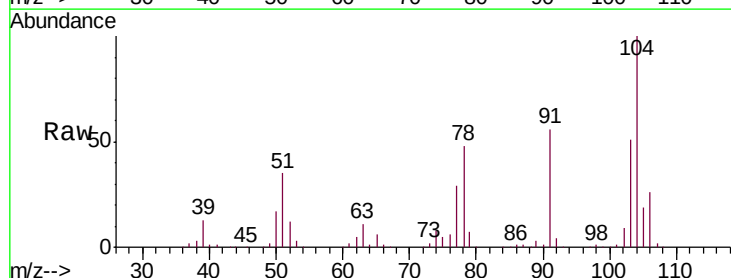
Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

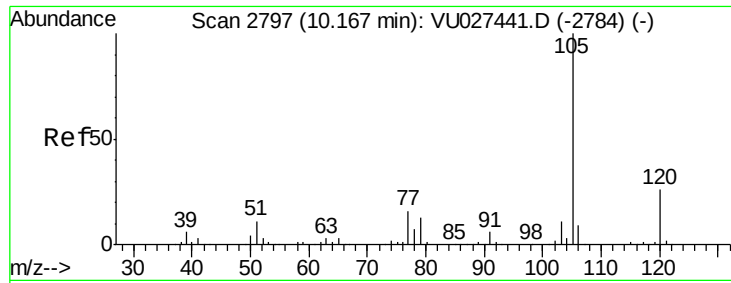
Tgt Ion:106 Resp: 127232
Ion Ratio Lower Upper
106 100
91 219.6 154.8 287.4



#55
Styrene
Concen: 56.012 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU027487.D
Acq: 08 Oct 2018 10:00

Tgt Ion:104 Resp: 224752
Ion Ratio Lower Upper
104 100
78 48.4 33.6 62.4





#56

Isopropylbenzene

Concen: 55.947 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027487.D

Acq: 08 Oct 2018 10:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

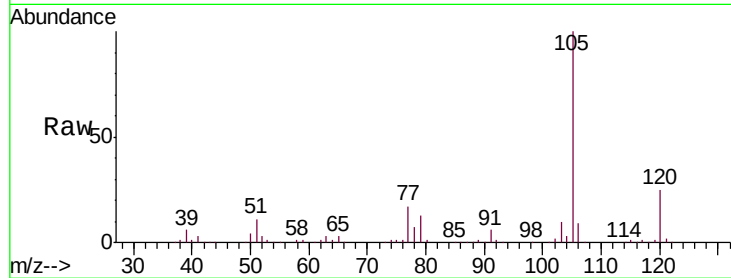
Tgt Ion: 105 Resp: 343555

Ion Ratio Lower Upper

105 100

120 25.1 20.6 30.8

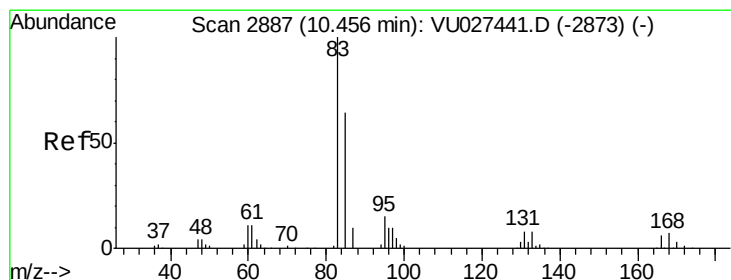
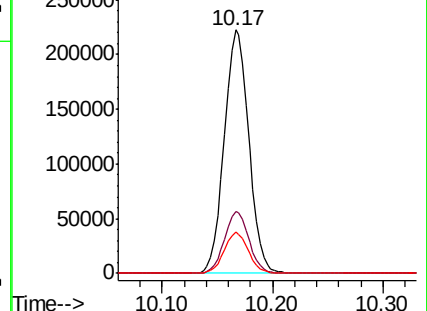
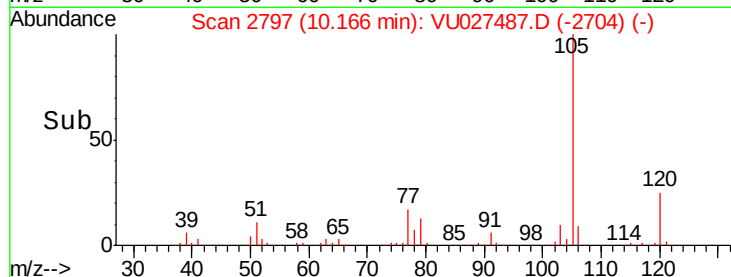
77 16.6 13.0 19.4



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: 53.959 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027487.D

Acq: 08 Oct 2018 10:00

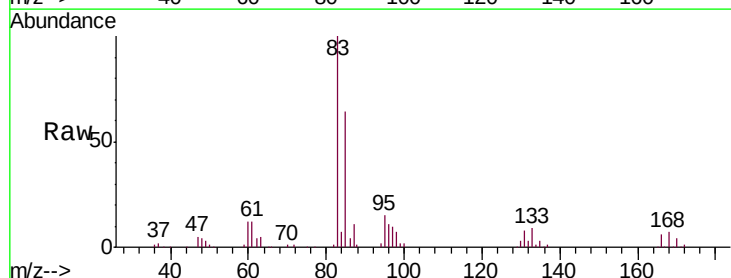
Tgt Ion: 83 Resp: 131156

Ion Ratio Lower Upper

83 100

85 64.4 45.2 84.0

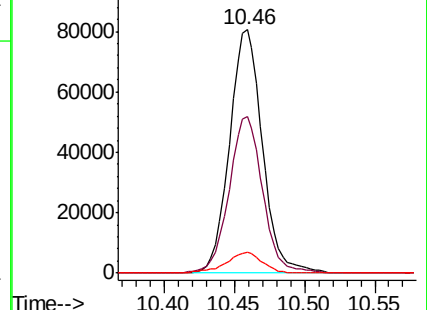
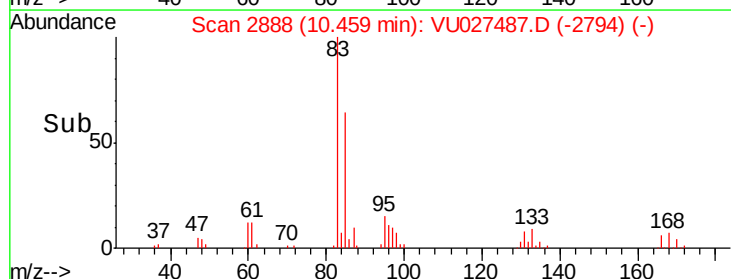
131 8.4 6.7 10.1

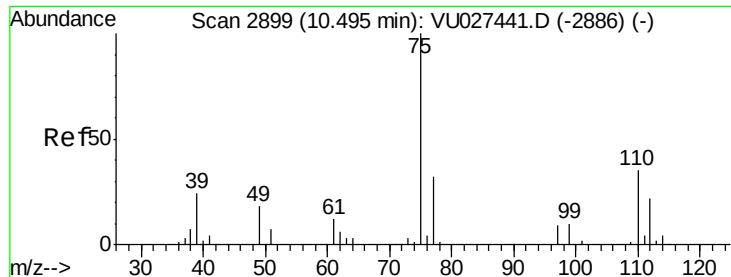


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 54.384 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027487.D

Acq: 08 Oct 2018 10:00

Instrument :

MSVOA_U

ClientSampleId :

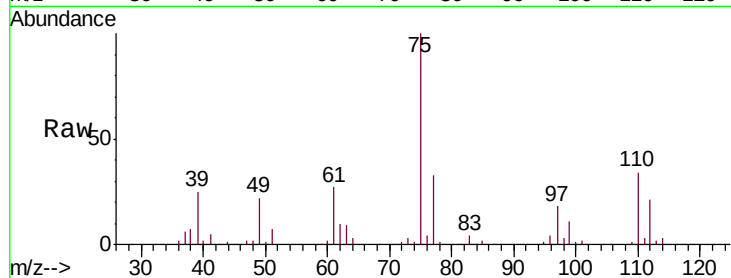
VSTD05040

Tgt Ion: 75 Resp: 106404

Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU027441.D (-2886) (-)

Ion 77.00 (76.70 to 77.70): VU027441.D (-2886) (-)

10.49

60000

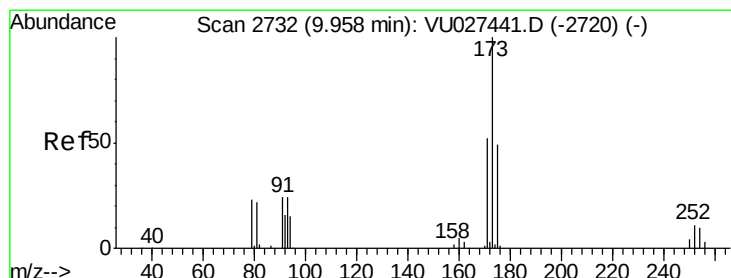
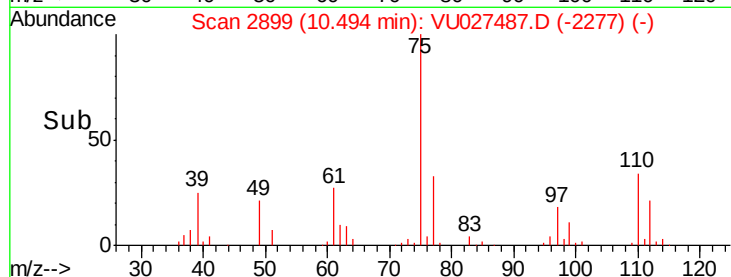
40000

20000

0

10.45 10.50 10.55

Time-->



#61

Bromoform

Concen: 55.108 ug/L

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027487.D

Acq: 08 Oct 2018 10:00

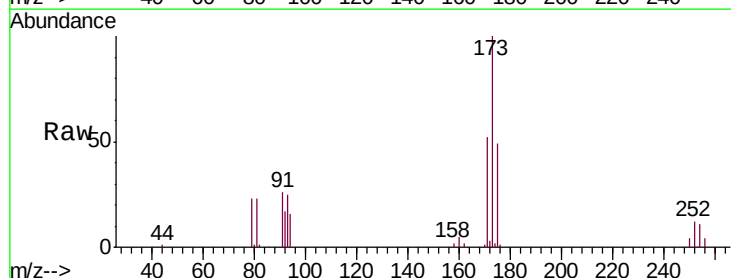
Tgt Ion: 173 Resp: 56242

Ion Ratio Lower Upper

173 100

175 48.2 39.0 58.4

254 10.4 8.3 12.5



Abundance Ion 173.00 (172.70 to 173.70): VU027441.D (-2720) (-)

Ion 175.00 (174.70 to 175.70): VU027441.D (-2720) (-)

Ion 254.00 (253.70 to 254.70): VU027441.D (-2720) (-)

9.96

40000

30000

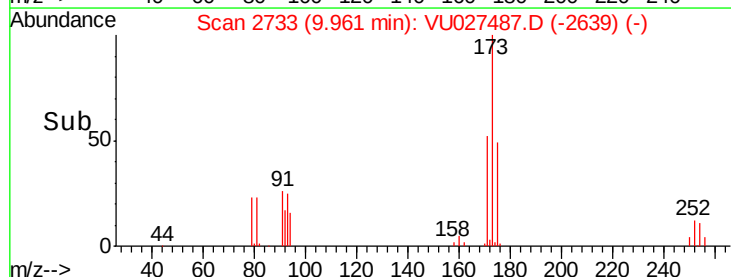
20000

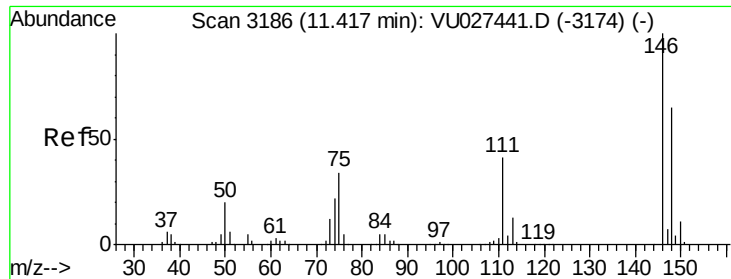
10000

0

9.90 9.95 10.00

Time-->





#62

1,3-Dichlorobenzene

Concen: 53.754 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU027487.D

Acq: 08 Oct 2018 10:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

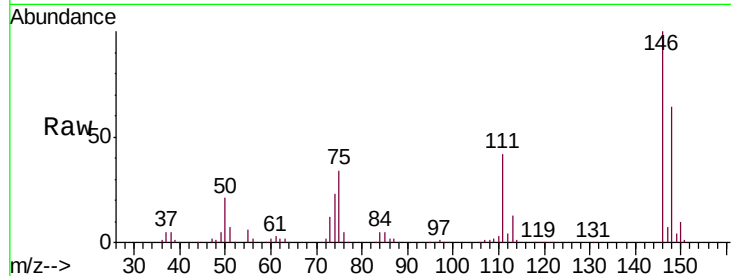
Tgt Ion:146 Resp: 150267

Ion Ratio Lower Upper

146 100

111 41.9 29.0 53.8

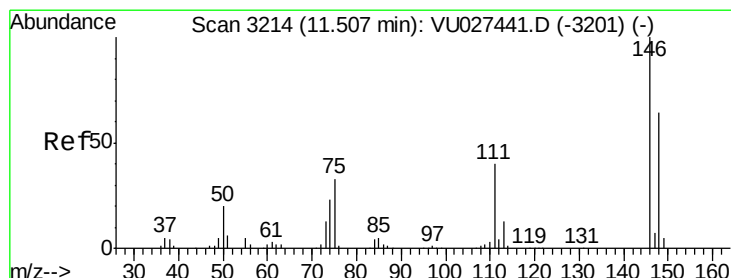
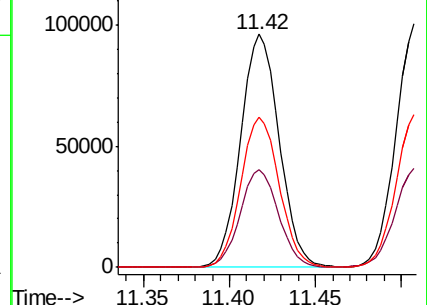
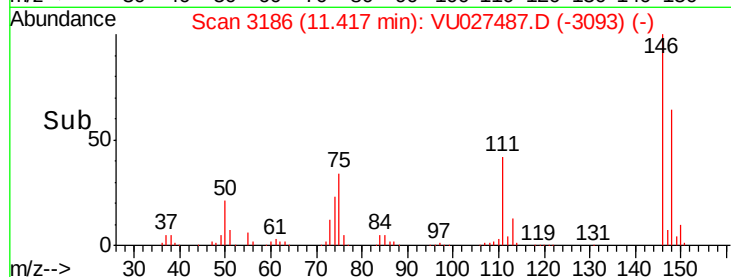
148 64.2 45.4 84.2



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: 53.744 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU027487.D

Acq: 08 Oct 2018 10:00

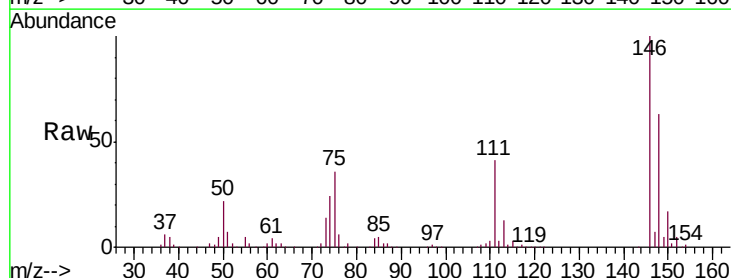
Tgt Ion:146 Resp: 156715

Ion Ratio Lower Upper

146 100

111 40.5 28.1 52.1

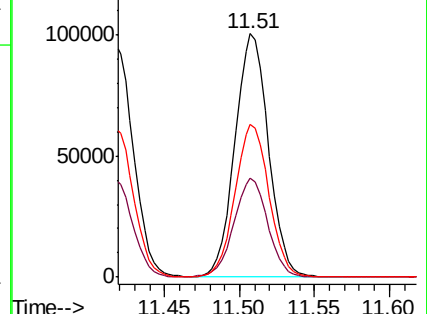
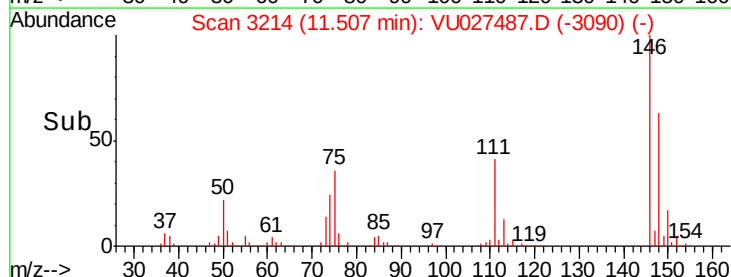
148 62.8 44.4 82.5

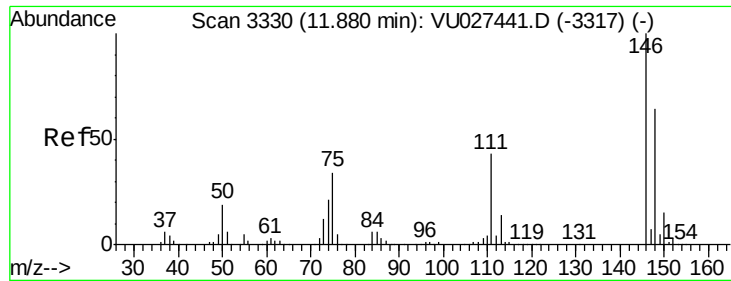


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

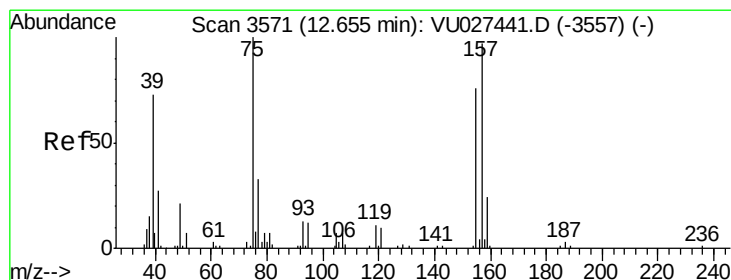
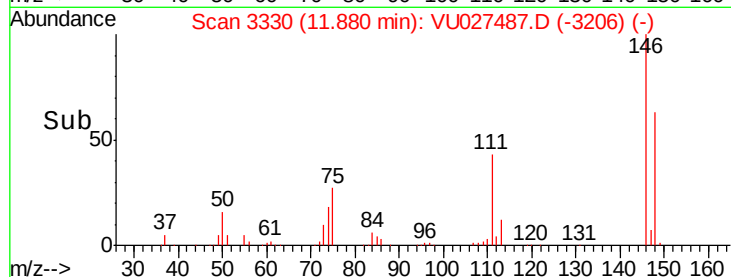
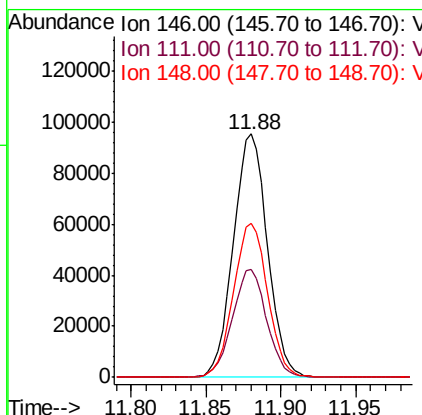
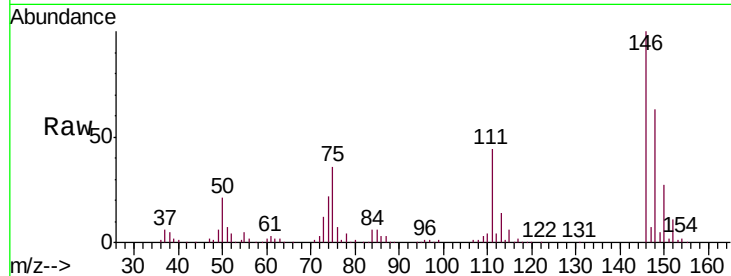




#65
 1,2-Dichlorobenzene
 Concen: 53.192 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027487.D
 Acq: 08 Oct 2018 10:00

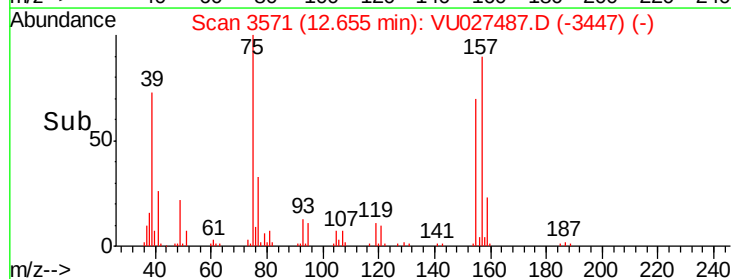
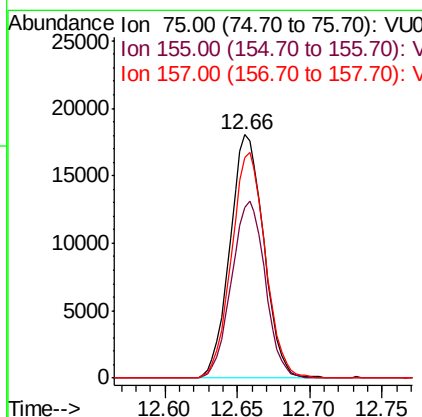
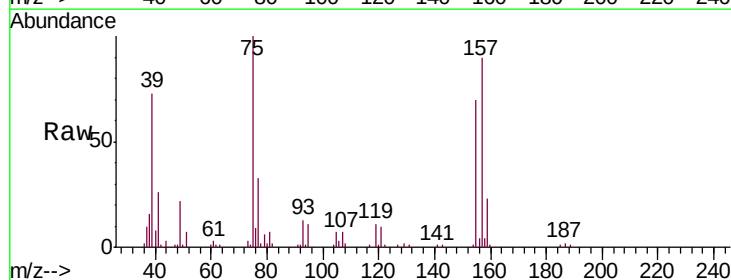
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

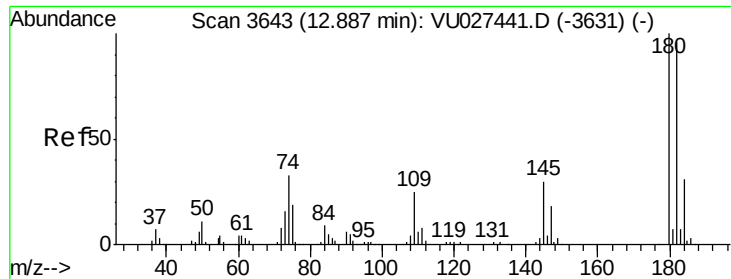
Tgt Ion: 146 Resp: 151370
 Ion Ratio Lower Upper
 146 100
 111 44.3 34.9 52.3
 148 63.4 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 55.274 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027487.D
 Acq: 08 Oct 2018 10:00

Tgt Ion: 75 Resp: 29159
 Ion Ratio Lower Upper
 75 100
 155 70.1 61.0 91.6
 157 90.4 77.8 116.8

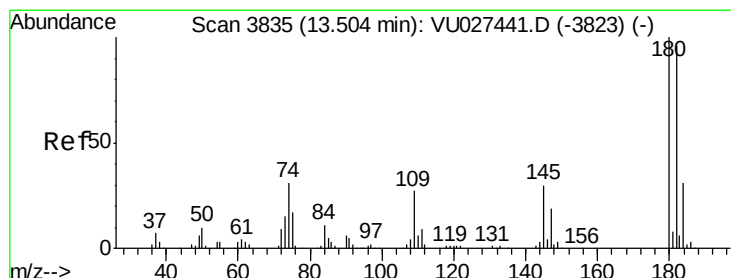
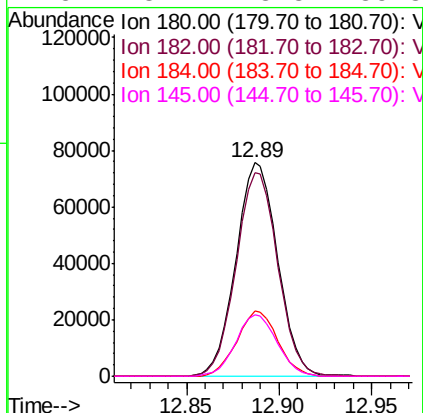
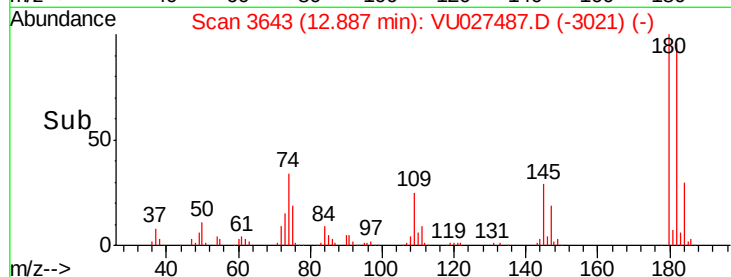
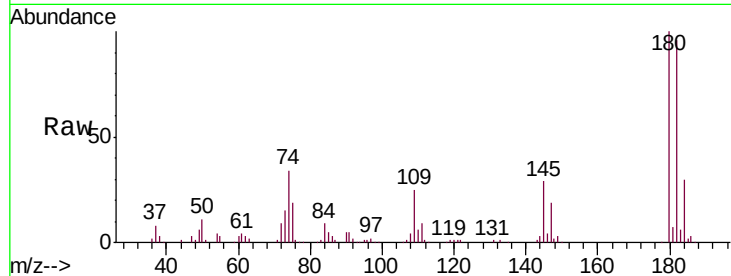




#67
 1,3,5-Trichlorobenzene
 Concen: 54.723 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. -0.00 min
 Lab File: VU027487.D
 Acq: 08 Oct 2018 10:00

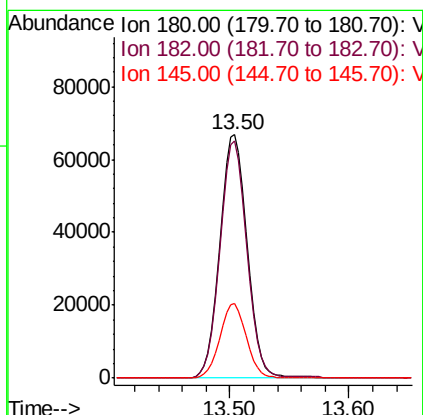
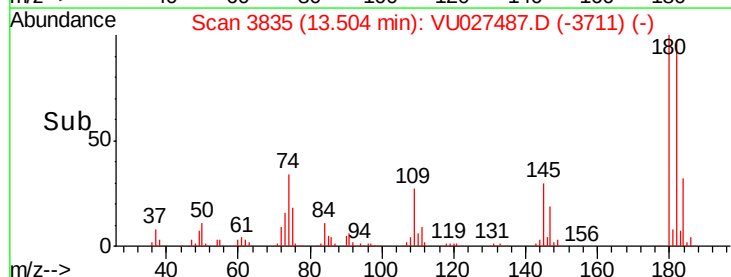
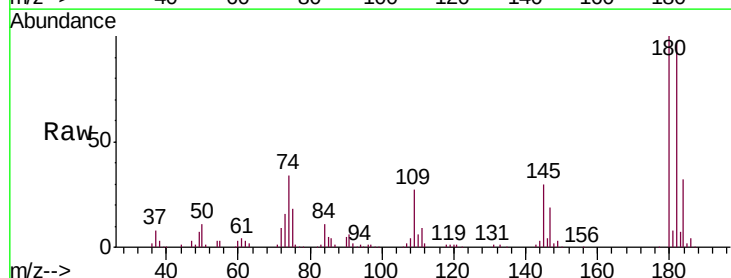
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

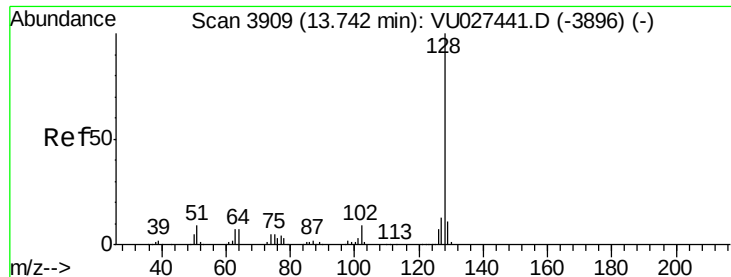
Tgt Ion:180 Resp: 118191
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.7 115.1
 184 30.0 24.5 36.7
 145 28.7 23.8 35.8



#68
 1,2,4-trichlorobenzene
 Concen: 53.688 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU027487.D
 Acq: 08 Oct 2018 10:00

Tgt Ion:180 Resp: 106635
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.3 114.5
 145 29.5 24.2 36.2





#69

Naphthalene

Concen: 55.052 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU027487.D

Acq: 08 Oct 2018 10:00

Instrument :

MSVOA_U

ClientSampled :

VSTD05040

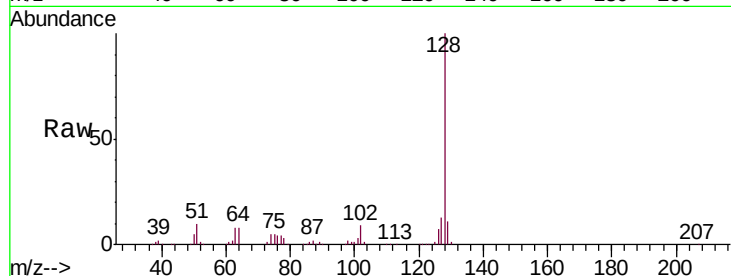
Tgt Ion:128 Resp: 337162

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

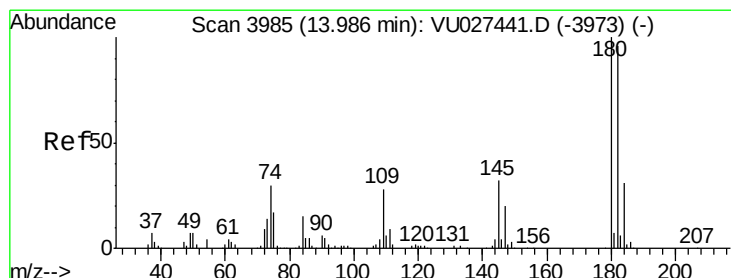
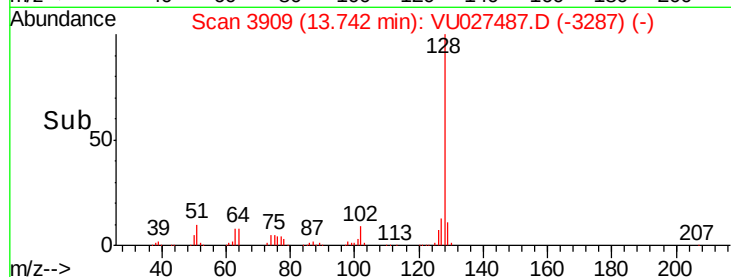
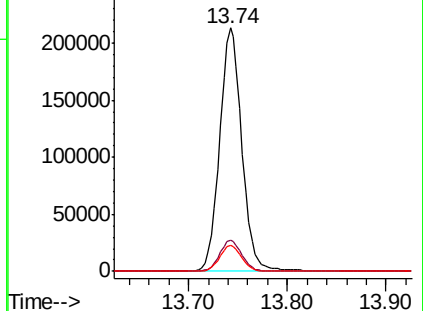
129 10.8 8.6 12.8



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: 53.917 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU027487.D

Acq: 08 Oct 2018 10:00

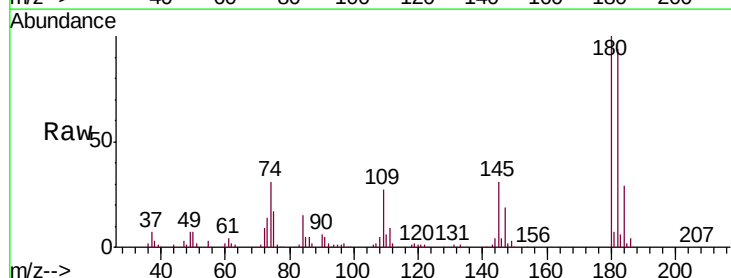
Tgt Ion:180 Resp: 108902

Ion Ratio Lower Upper

180 100

182 95.3 77.4 116.0

145 31.2 25.5 38.3



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

