

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082218\
 Data File : VU026285.D
 Acq On : 23 Aug 2018 05:56
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Quant Time: Aug 23 07:48:32 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	299022	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	293190	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	160630	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	90494	49.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.24%
7) Chloroethane-d5	1.68	69	75708	50.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.82%
11) 1,1-Dichloroethene-d2	2.27	63	182986	51.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.10%
21) 2-Butanone-d5	4.18	46	144544	99.30	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.30%
24) Chloroform-d	4.65	84	209609	51.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.12%
26) 1,2-Dichloroethane-d4	5.31	65	132933	50.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.50%
32) Benzene-d6	5.35	84	398169	50.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.52%
36) 1,2-Dichloropropane-d6	6.33	67	127696	50.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.42%
41) Toluene-d8	7.57	98	387662	51.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.42%
43) trans-1,3-Dichloropropene-	7.85	79	61805	47.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.00%
47) 2-Hexanone-d5	8.31	63	107523	99.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.89%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	184389	49.47	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.94%
64) 1,2-Dichlorobenzene-d4	11.86	152	169153	49.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.26%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	125229	53.335 ug/L	100
3) Chloromethane	1.33	50	117050	54.070 ug/L	100
5) Vinyl chloride	1.40	62	116317	53.330 ug/L	97
6) Bromomethane	1.63	94	69979	51.602 ug/L	100
8) Chloroethane	1.70	64	69353	55.449 ug/L	98
9) Trichlorofluoromethane	1.89	101	166533	53.909 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	94457	55.105 ug/L	98
12) 1,1-Dichloroethene	2.28	96	86391	54.893 ug/L	98
13) Acetone	2.32	43	97916	86.915 ug/L	97
14) Carbon disulfide	2.48	76	308391	51.077 ug/L	99
15) Methyl Acetate	2.62	43	114498	52.810 ug/L	100
16) Methylene chloride	2.70	84	113719	53.694 ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	103053	53.123 ug/L	99
18) Methyl tert-butyl Ether	3.00	73	315440	54.279 ug/L	100
19) 1,1-Dichloroethane	3.45	63	193840	54.871 ug/L	96
20) cis-1,2-Dichloroethene	4.23	96	114729	53.580 ug/L	100
22) 2-Butanone	4.26	43	151804	100.715 ug/L	99

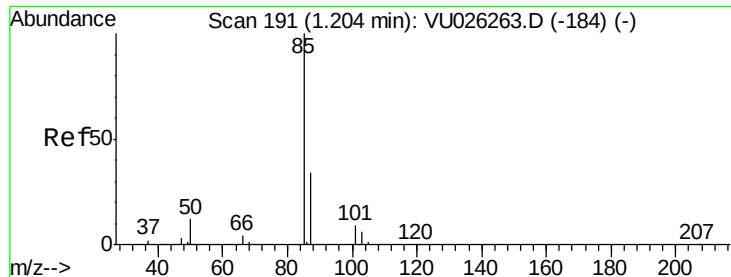
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082218\
 Data File : VU026285.D
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 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 07:46:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	62467	54.549	ug/L	98
25) Chloroform	4.68	83	205772	54.563	ug/L	97
27) 1,2-Dichloroethane	5.41	62	161869	53.881	ug/L	99
29) Cyclohexane	5.00	56	163572	54.402	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	182632	53.613	ug/L	100
31) Carbon tetrachloride	5.14	117	168886	52.733	ug/L	99
33) Benzene	5.39	78	437648	54.753	ug/L	100
34) Trichloroethene	6.19	95	111564	52.783	ug/L	97
35) Methylcyclohexane	6.42	83	171550	53.077	ug/L	98
37) 1,2-Dichloropropane	6.44	63	119067	54.506	ug/L	98
38) Bromodichloromethane	6.76	83	155746	53.320	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	162833	49.074	ug/L	96
40) 4-Methyl-2-pentanone	7.46	43	290100	104.784	ug/L	100
42) Toluene	7.64	91	468188	55.050	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	164275	51.455	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	110937	53.759	ug/L	98
46) Tetrachloroethene	8.23	164	96144	52.865	ug/L	98
48) 2-Hexanone	8.36	43	232685	104.433	ug/L	99
49) Dibromochloromethane	8.48	129	134988	53.226	ug/L	99
50) 1,2-Dibromoethane	8.59	107	120324	52.829	ug/L	100
51) Chlorobenzene	9.12	112	307127	52.798	ug/L	99
52) Ethylbenzene	9.25	91	507277	54.760	ug/L	99
53) m,p-Xylene	9.38	106	198756	55.511	ug/L	95
54) o-xylene	9.78	106	191849	54.933	ug/L	100
55) Styrene	9.80	104	342730	57.491	ug/L	96
56) Isopropylbenzene	10.17	105	503945	55.622	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	184245	52.754	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	143297	52.619	ug/L	100
61) Bromoform	9.96	173	102979	51.752	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	240600	50.813	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	258078	51.583	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	262043	52.616	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	40512	48.693	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	192981	51.920	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	165854	51.117	ug/L	98
69) Naphthalene	13.74	128	525425	54.358	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	185340	53.614	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 53.335 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU026285.D

Acq: 23 Aug 2018 05:56

Instrument :

MSVOA_U

ClientSampleId :

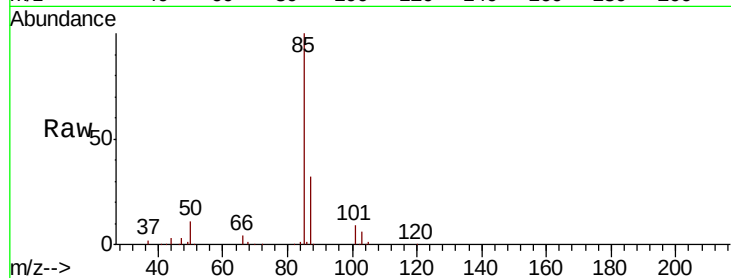
VSTD05048

Tgt Ion: 85 Resp: 125229

Ion Ratio Lower Upper

85 100

87 32.2 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU026263.D (-184) (-)

Ion 87.00 (86.70 to 87.70): VU026285.D (-98) (-)

1.20

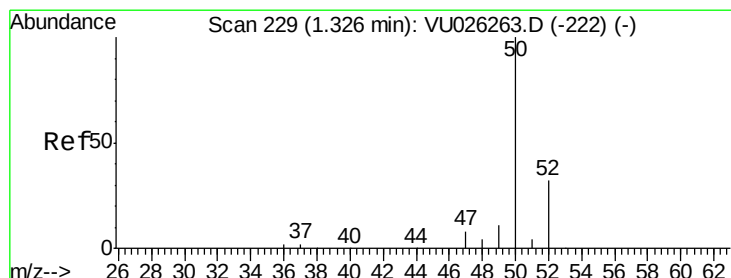
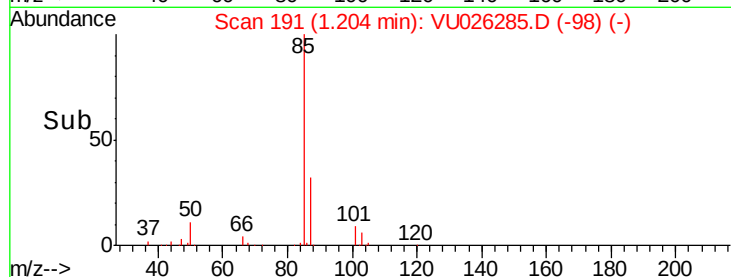
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 54.070 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU026285.D

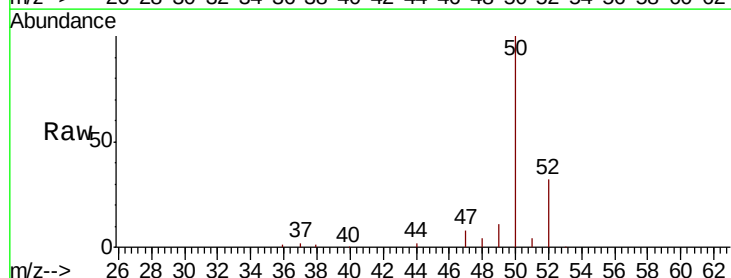
Acq: 23 Aug 2018 05:56

Tgt Ion: 50 Resp: 117050

Ion Ratio Lower Upper

50 100

52 32.1 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VU026263.D (-222) (-)

Ion 52.00 (51.70 to 52.70): VU026285.D (-137) (-)

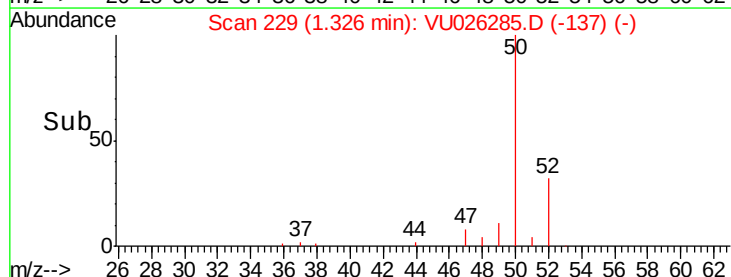
1.33

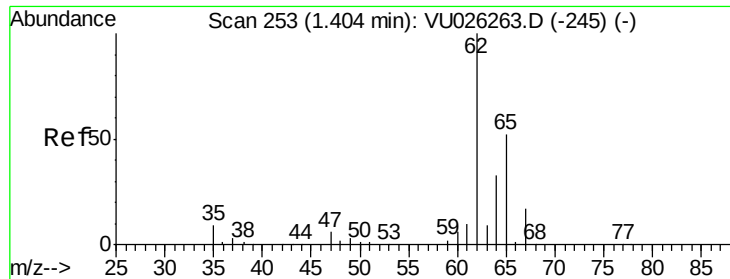
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 53.330 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU026285.D

Acq: 23 Aug 2018 05:56

Instrument :

MSVOA_U

ClientSampleId :

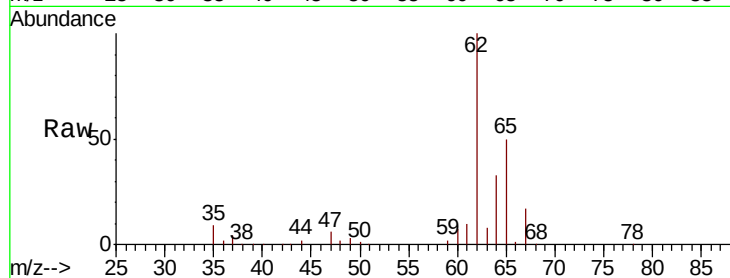
VSTD05048

Tgt Ion: 62 Resp: 116317

Ion Ratio Lower Upper

62 100

64 32.7 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

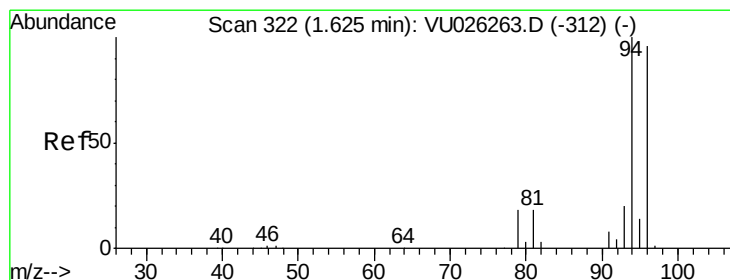
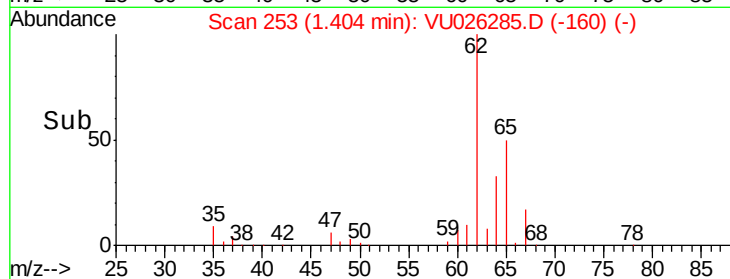
0

1.35

1.40

1.45

Time-->



#6

Bromomethane

Concen: 51.602 ug/L

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU026285.D

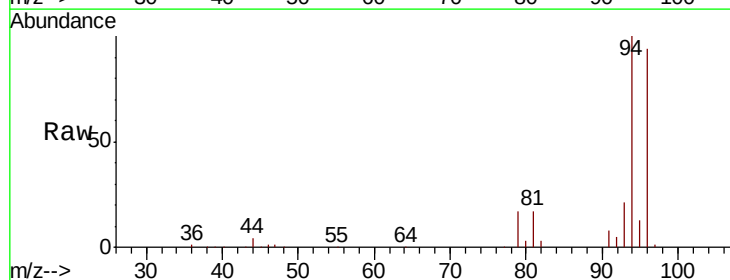
Acq: 23 Aug 2018 05:56

Tgt Ion: 94 Resp: 69979

Ion Ratio Lower Upper

94 100

96 94.3 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

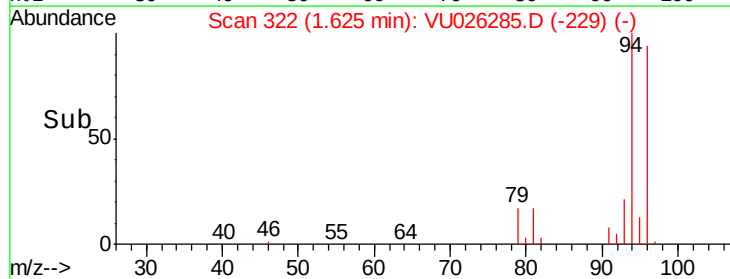
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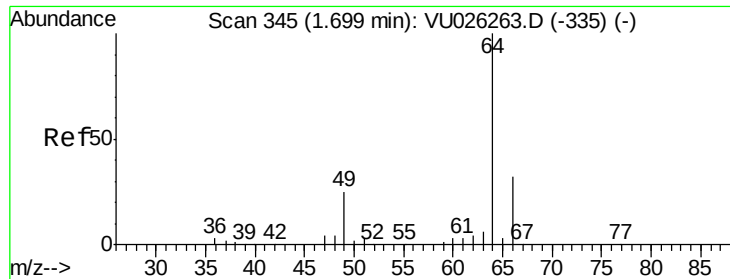
1.60

1.63

1.70

Time-->

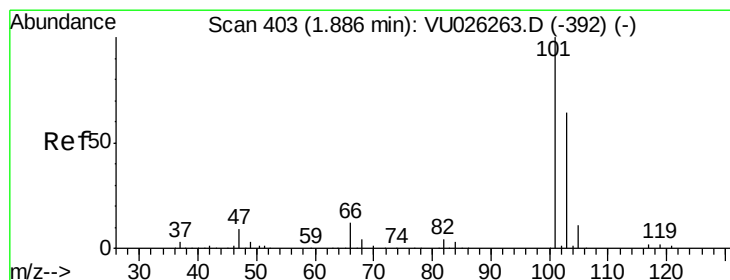
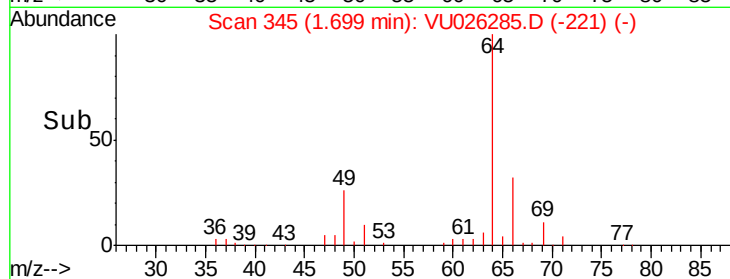
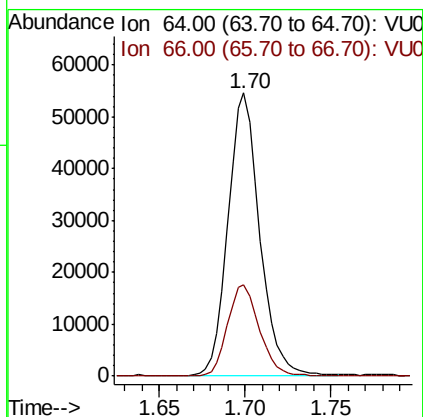
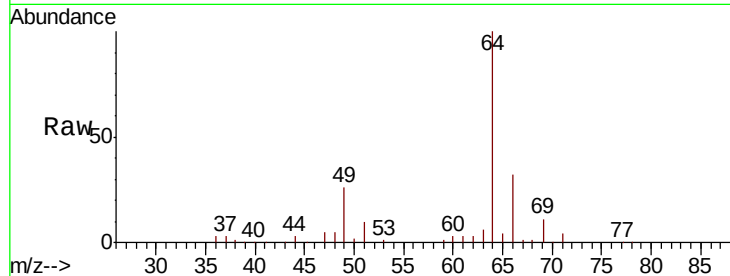




#8
 Chloroethane
 Concen: 55.449 ug/L
 RT: 1.70 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU026285.D
 Acq: 23 Aug 2018 05:56

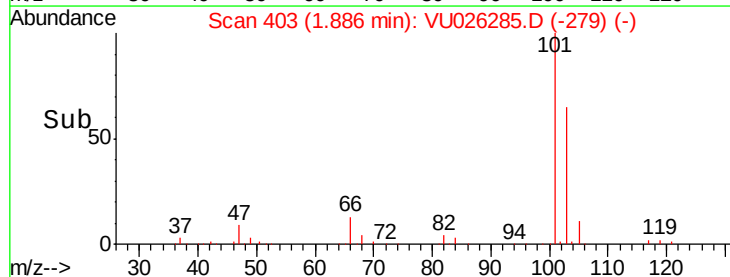
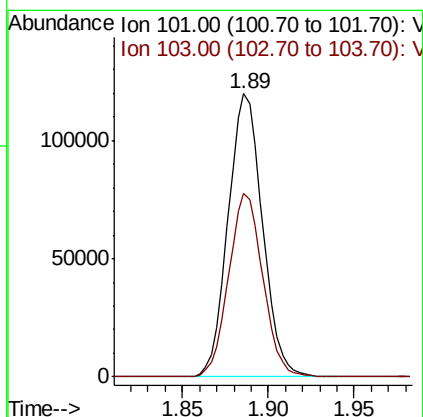
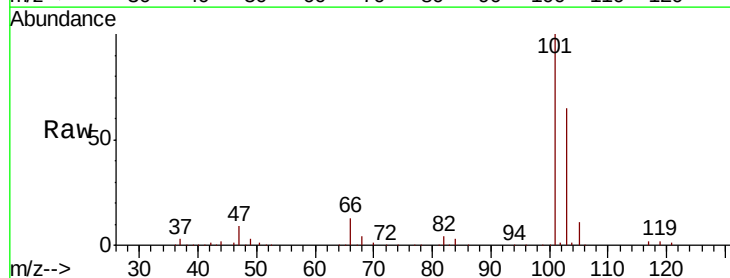
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

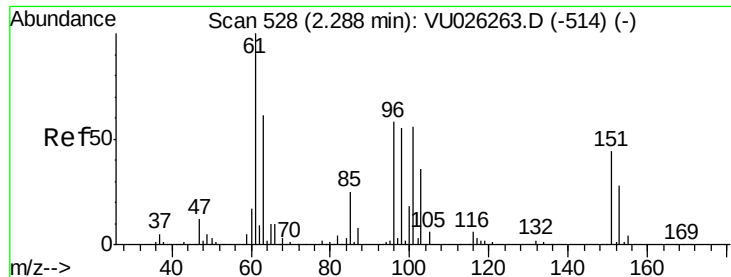
Tgt Ion: 64 Resp: 69353
 Ion Ratio Lower Upper
 64 100
 66 32.3 21.9 40.7



#9
 Trichlorofluoromethane
 Concen: 53.909 ug/L
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU026285.D
 Acq: 23 Aug 2018 05:56

Tgt Ion: 101 Resp: 166533
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.7 77.5





#10

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

Concen: 55.105 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026285.D

Acq: 23 Aug 2018 05:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

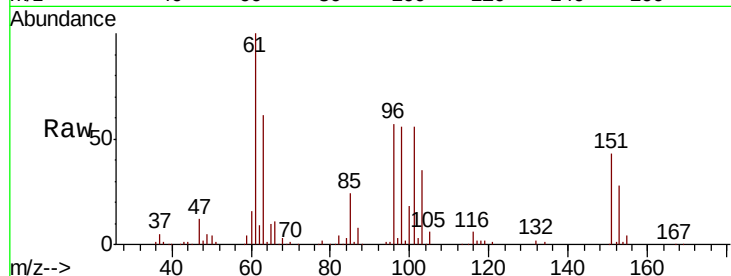
Tgt Ion:101 Resp: 94457

Ion Ratio Lower Upper

101 100

85 43.3 35.8 53.6

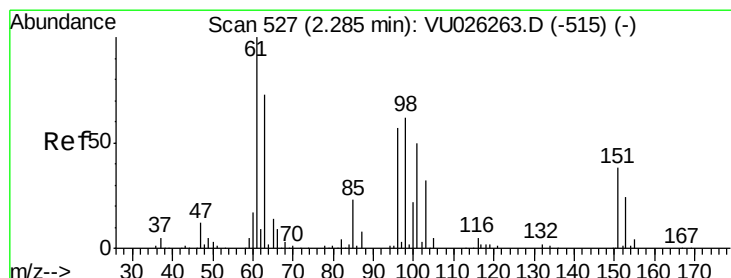
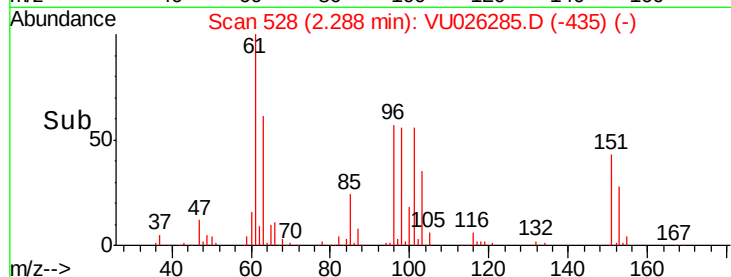
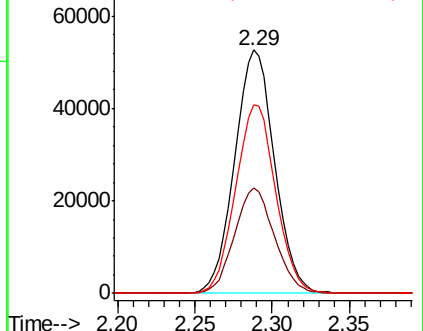
151 77.6 63.3 94.9



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: 54.893 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026285.D

Acq: 23 Aug 2018 05:56

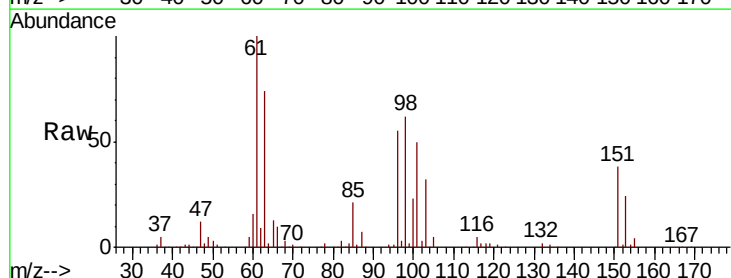
Tgt Ion: 96 Resp: 86391

Ion Ratio Lower Upper

96 100

61 183.0 124.7 231.5

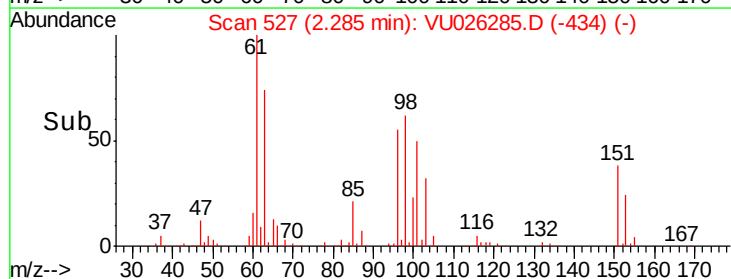
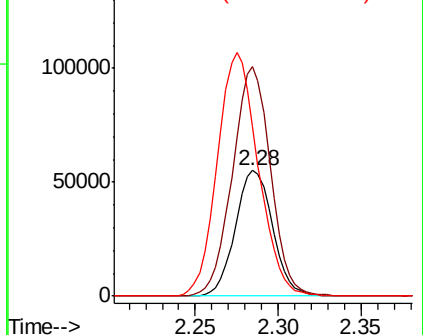
63 134.9 93.7 174.1

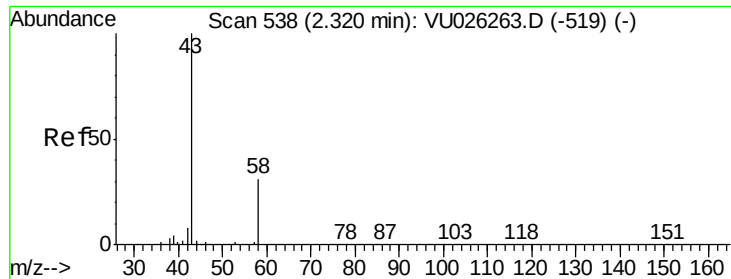


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 86.915 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026285.D

Acq: 23 Aug 2018 05:56

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MSVOA_U

ClientSampleId :

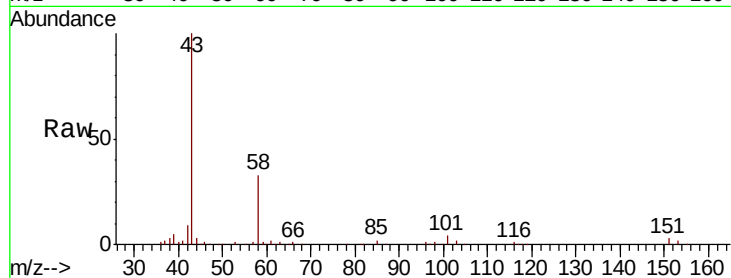
VSTD05048

Tgt Ion: 43 Resp: 97916

Ion Ratio Lower Upper

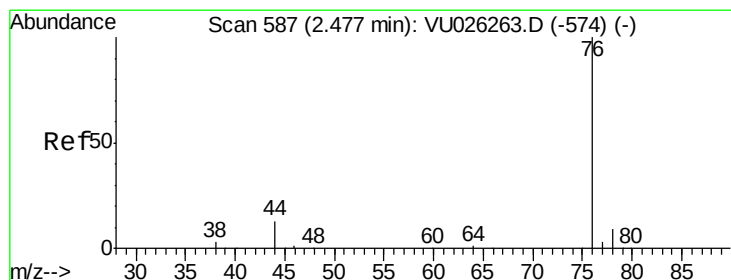
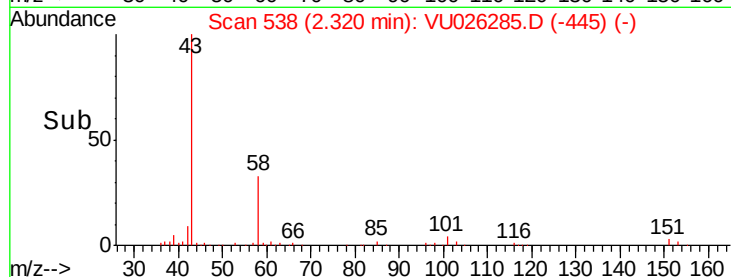
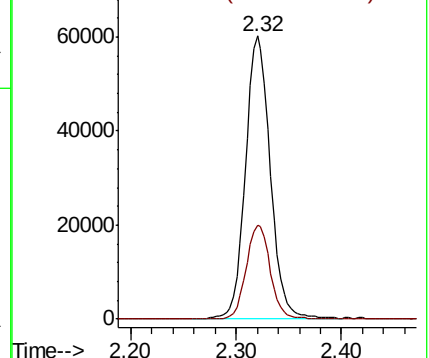
43 100

58 32.4 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU026263.D (-519) (-)

Ion 58.00 (57.70 to 58.70): VU026263.D (-519) (-)



#14

Carbon disulfide

Concen: 51.077 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU026285.D

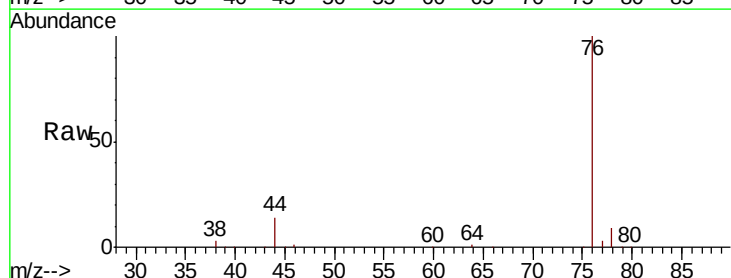
Acq: 23 Aug 2018 05:56

Tgt Ion: 76 Resp: 308391

Ion Ratio Lower Upper

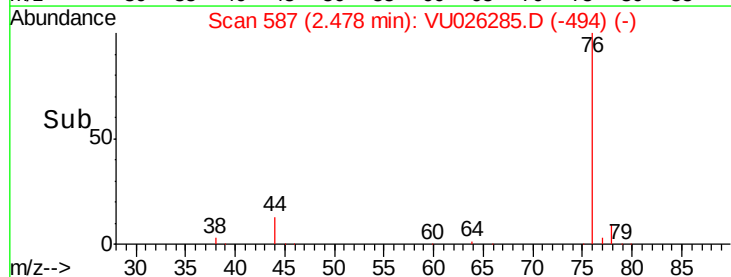
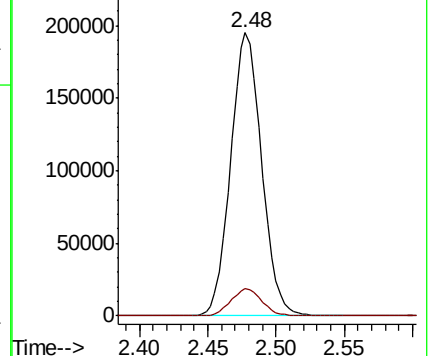
76 100

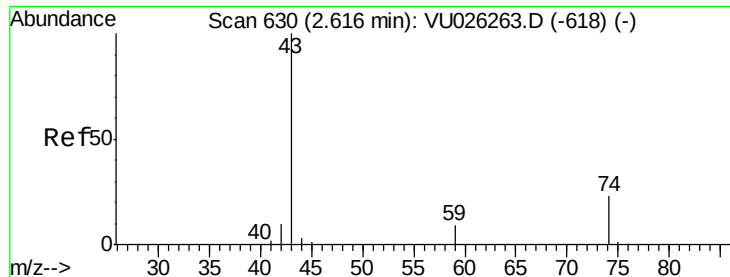
78 9.5 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU026263.D (-574) (-)

Ion 78.00 (77.70 to 78.70): VU026263.D (-574) (-)

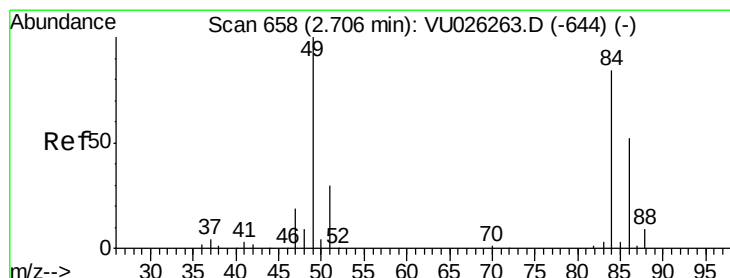
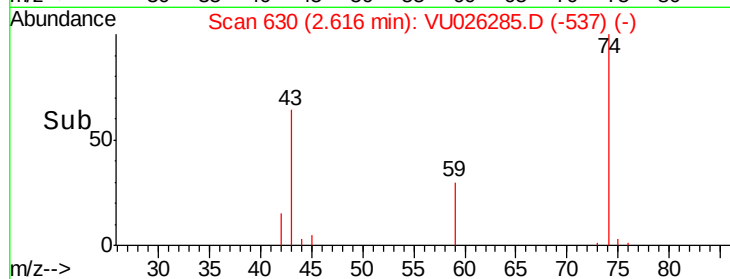
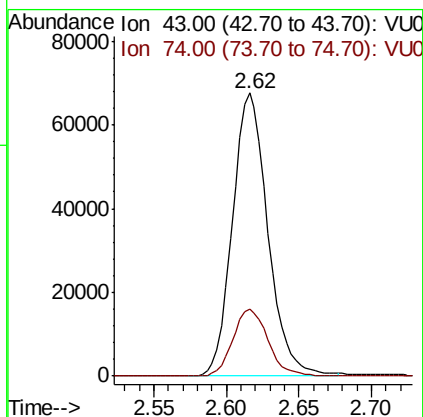
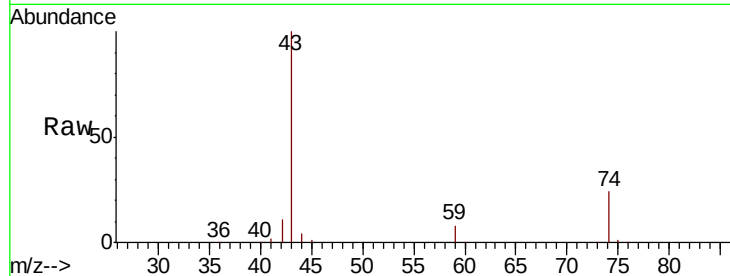




#15
Methyl Acetate
Concen: 52.810 ug/L
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU026285.D
Acq: 23 Aug 2018 05:56

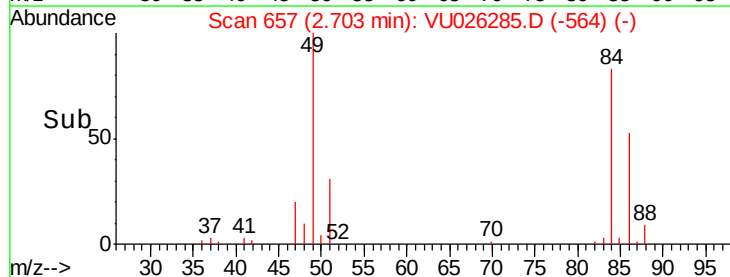
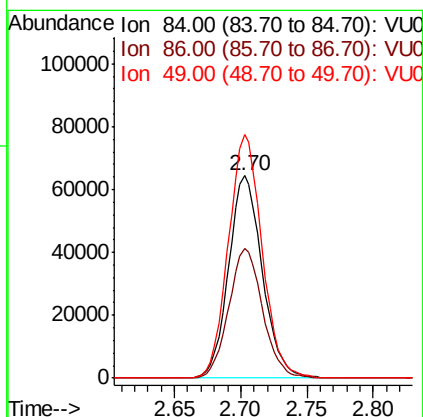
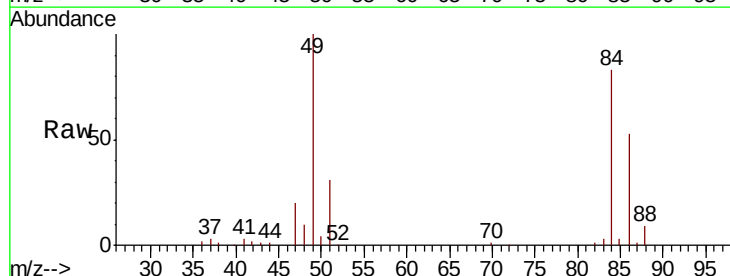
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

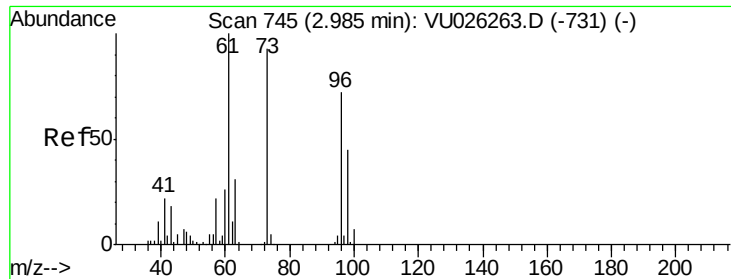
Tgt Ion: 43 Resp: 114498
Ion Ratio Lower Upper
43 100
74 23.4 18.6 27.8



#16
Methylene chloride
Concen: 53.694 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU026285.D
Acq: 23 Aug 2018 05:56

Tgt Ion: 84 Resp: 113719
Ion Ratio Lower Upper
84 100
86 63.9 45.4 84.4
49 120.5 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 53.123 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU026285.D

Acq: 23 Aug 2018 05:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

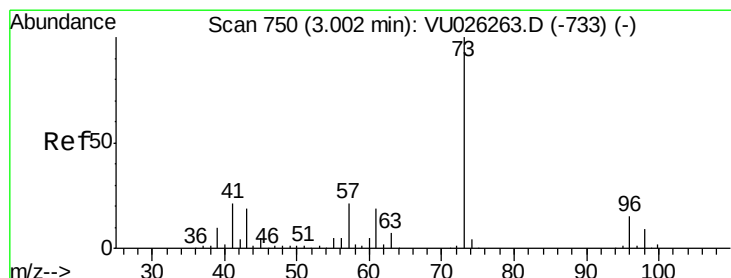
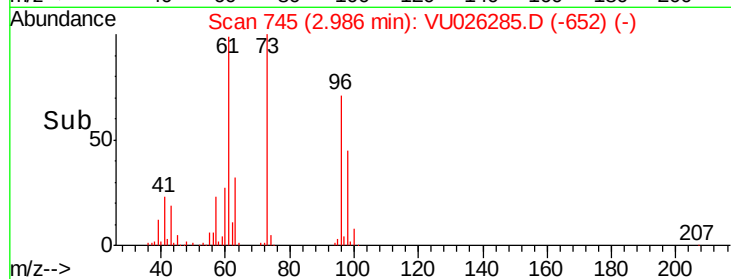
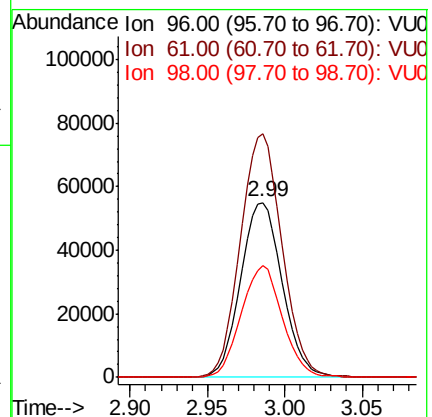
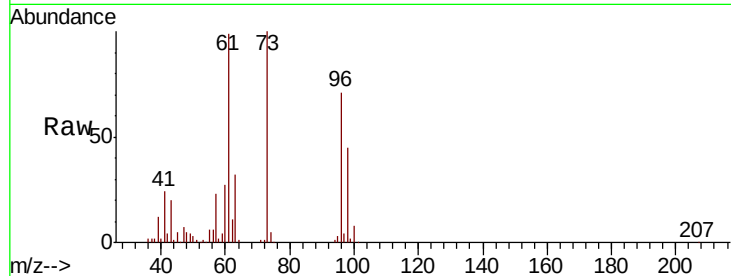
Tgt Ion: 96 Resp: 103053

Ion Ratio Lower Upper

96 100

61 139.3 97.9 181.9

98 63.8 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 54.279 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU026285.D

Acq: 23 Aug 2018 05:56

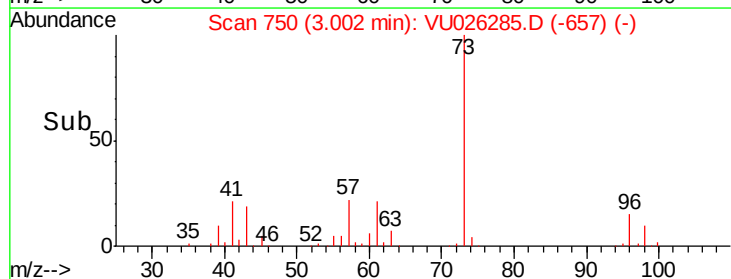
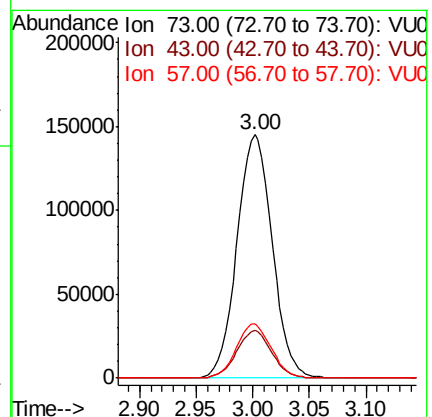
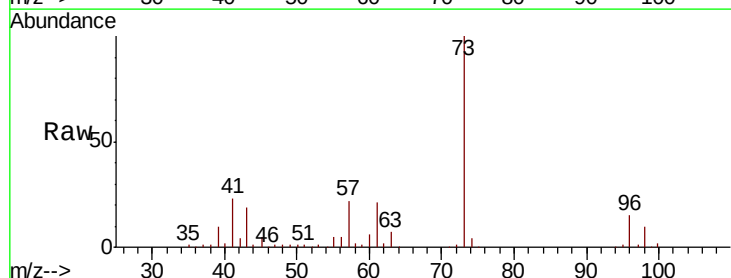
Tgt Ion: 73 Resp: 315440

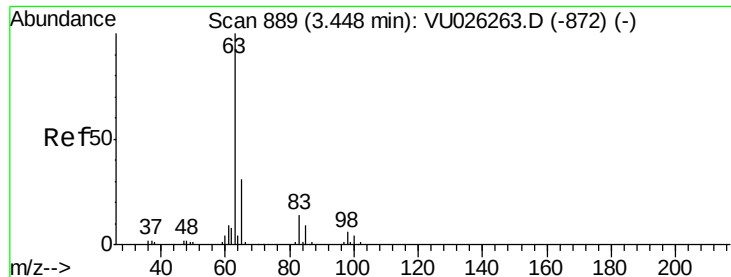
Ion Ratio Lower Upper

73 100

43 19.5 15.7 23.5

57 22.1 17.5 26.3

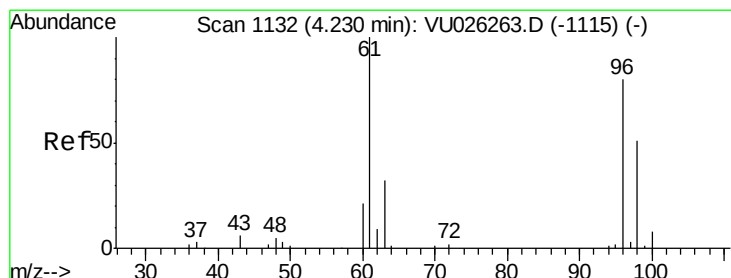
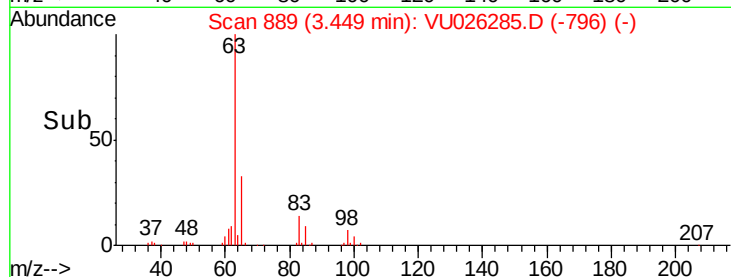
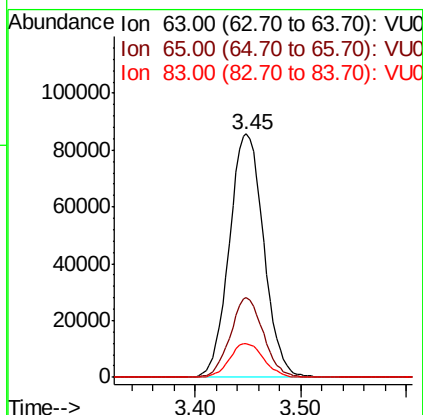
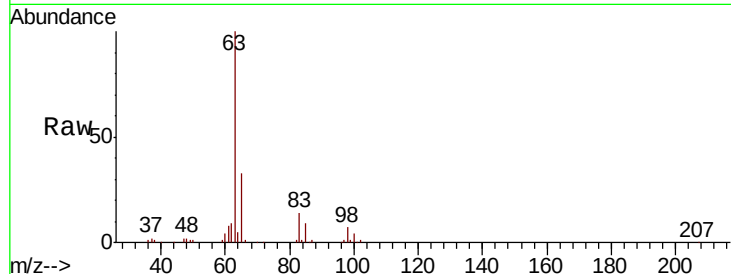




#19
 1,1-Dichloroethane
 Concen: 54.871 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU026285.D
 Acq: 23 Aug 2018 05:56

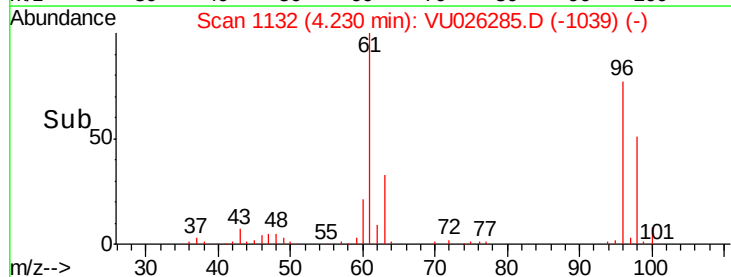
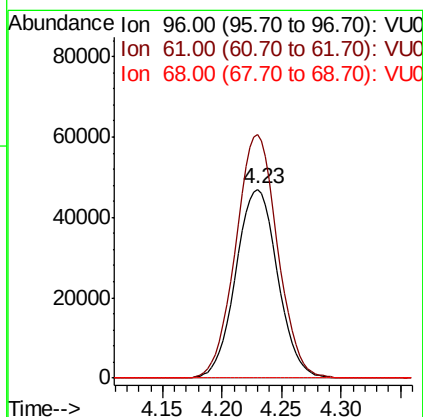
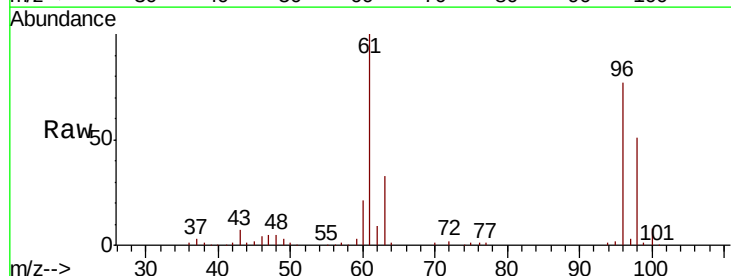
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

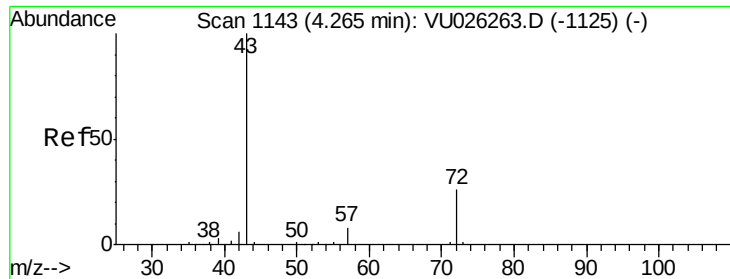
Tgt Ion: 63 Resp: 193840
 Ion Ratio Lower Upper
 63 100
 65 32.9 21.4 39.8
 83 14.0 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 53.580 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU026285.D
 Acq: 23 Aug 2018 05:56

Tgt Ion: 96 Resp: 114729
 Ion Ratio Lower Upper
 96 100
 61 129.1 90.3 167.7
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 100.715 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU026285.D

Acq: 23 Aug 2018 05:56

Instrument :

MSVOA_U

ClientSampled :

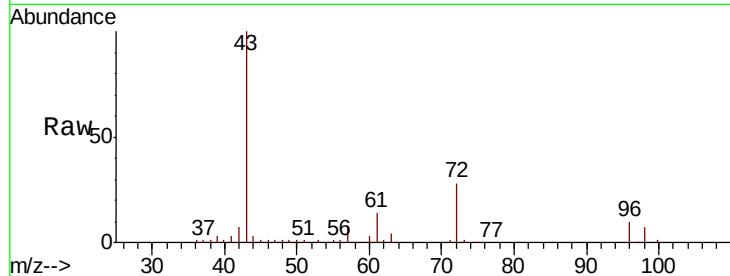
VSTD05048

Tgt Ion: 43 Resp: 151804

Ion Ratio Lower Upper

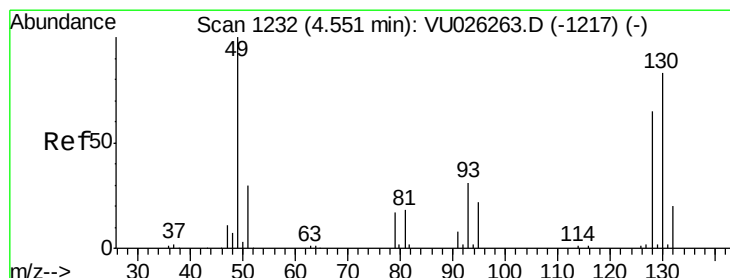
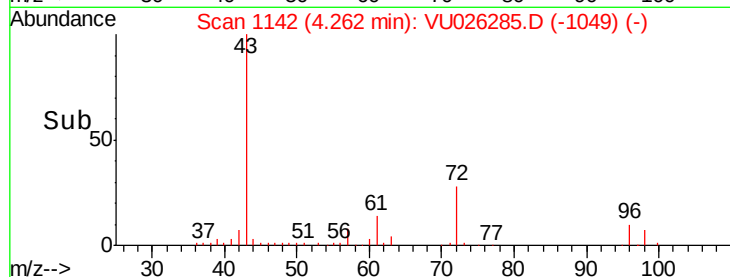
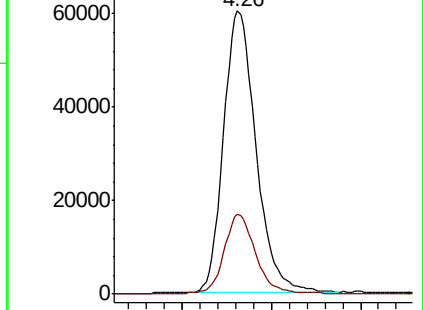
43 100

72 27.7 14.1 42.3



Abundance Ion 43.00 (42.70 to 43.70): VU026285.D (-1142) (-)

Ion 72.00 (71.70 to 72.70): VU026285.D (-1142) (-)



#23

Bromochloromethane

Concen: 54.549 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026285.D

Acq: 23 Aug 2018 05:56

Tgt Ion: 128 Resp: 62467

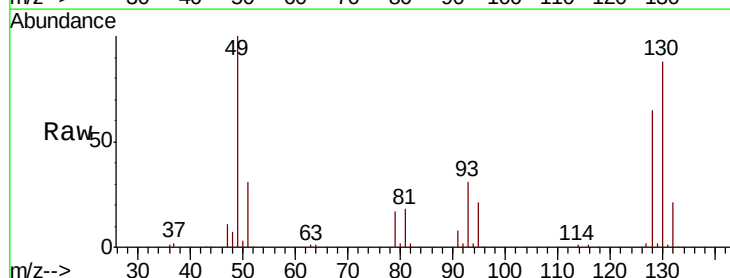
Ion Ratio Lower Upper

128 100

49 154.1 106.7 198.3

130 135.1 91.7 170.3

51 47.3 38.0 57.0

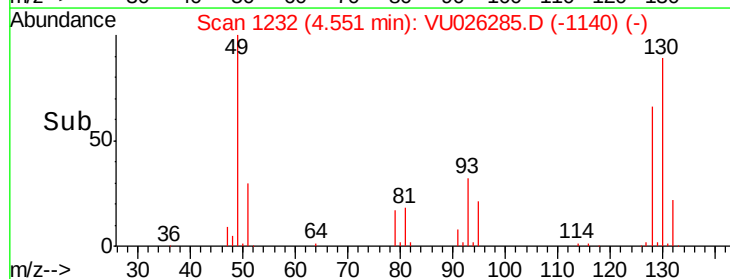
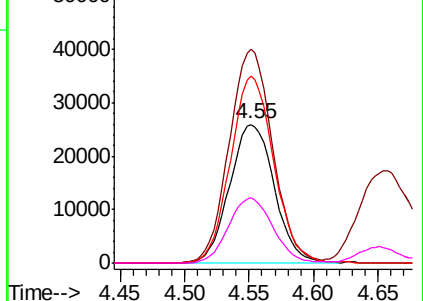


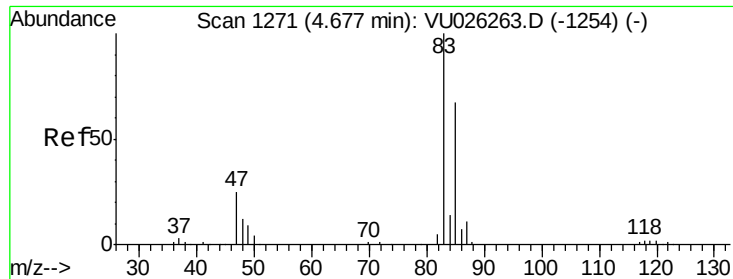
Abundance Ion 128.00 (127.70 to 128.70): VU026285.D (-1232) (-)

Ion 49.00 (48.70 to 49.70): VU026285.D (-1232) (-)

Ion 130.00 (129.70 to 130.70): VU026285.D (-1232) (-)

Ion 51.00 (50.70 to 51.70): VU026285.D (-1232) (-)

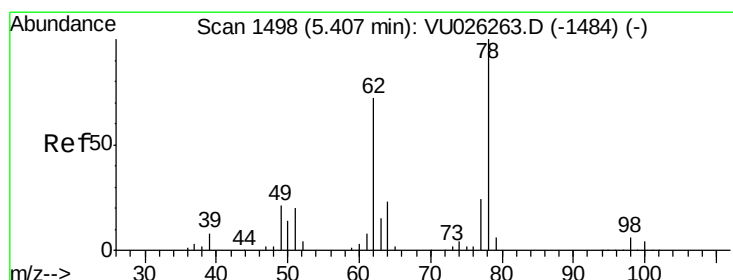
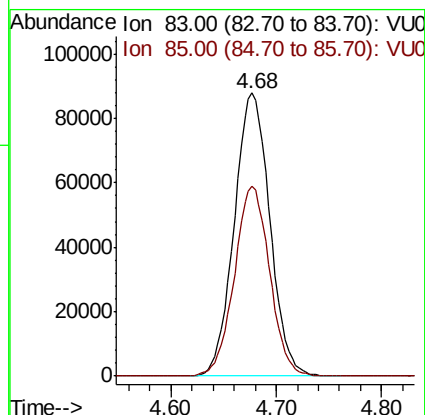
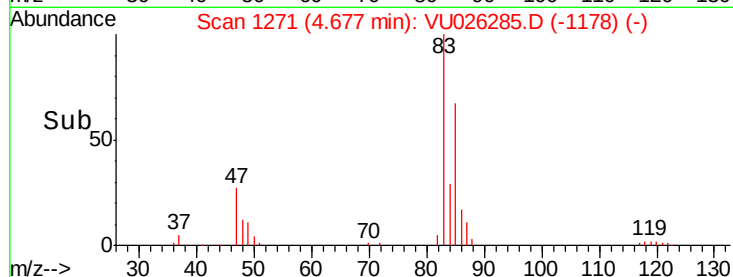
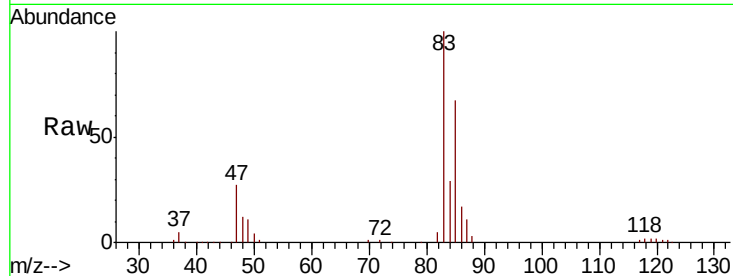




#25
Chloroform
Concen: 54.563 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU026285.D
Acq: 23 Aug 2018 05:56

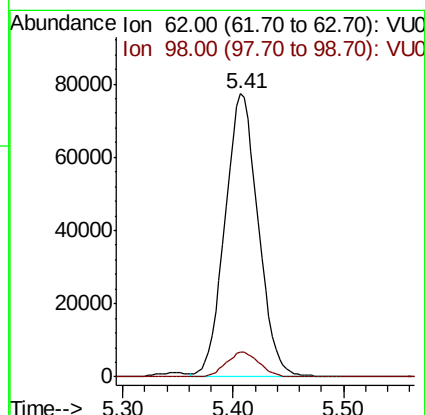
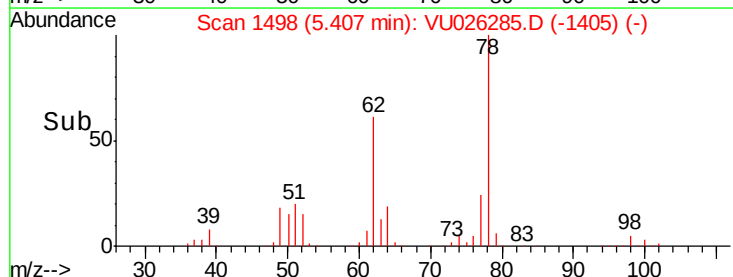
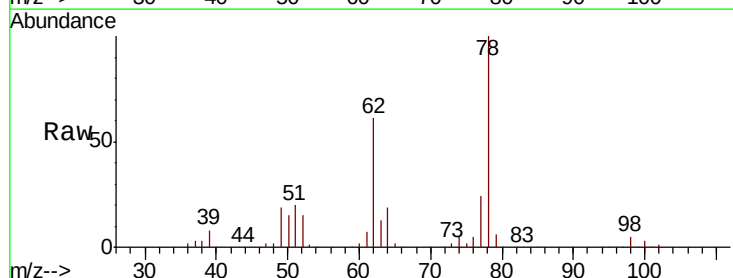
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

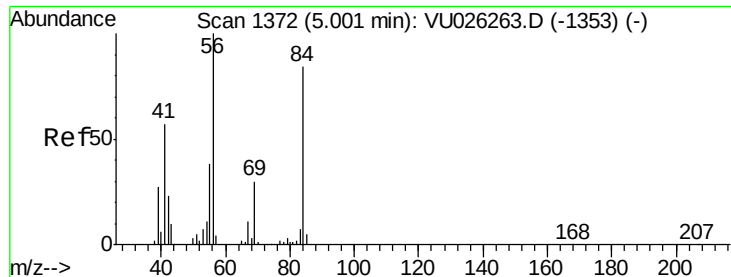
Tgt Ion: 83 Resp: 205772
Ion Ratio Lower Upper
83 100
85 67.0 45.0 83.6



#27
1,2-Dichloroethane
Concen: 53.881 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU026285.D
Acq: 23 Aug 2018 05:56

Tgt Ion: 62 Resp: 161869
Ion Ratio Lower Upper
62 100
98 8.7 7.2 10.8

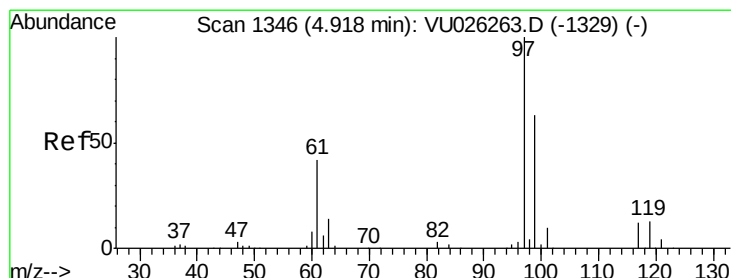
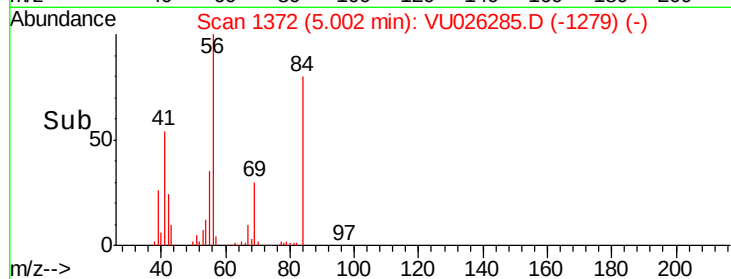
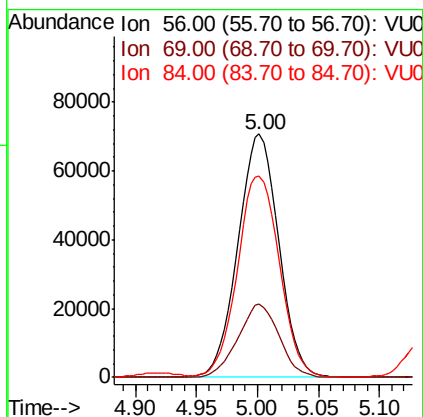
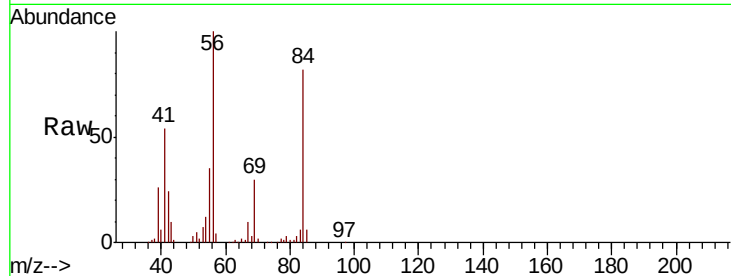




#29
Cyclohexane
Concen: 54.402 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU026285.D
Acq: 23 Aug 2018 05:56

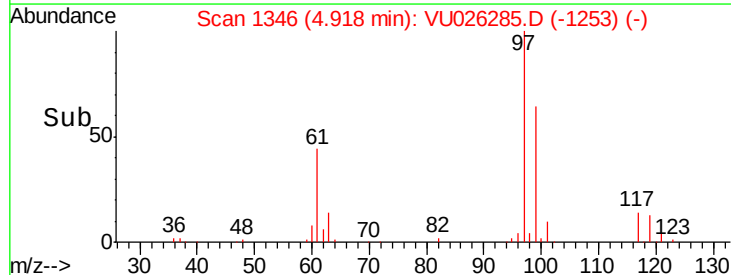
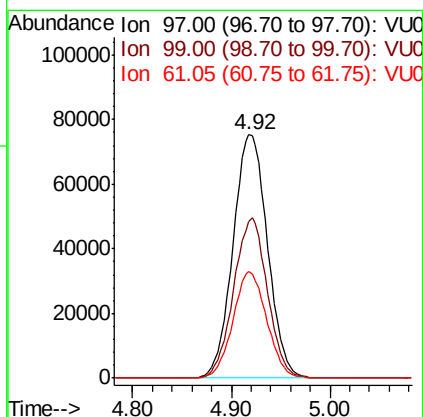
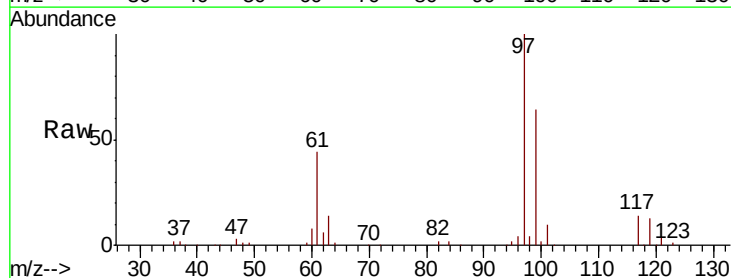
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

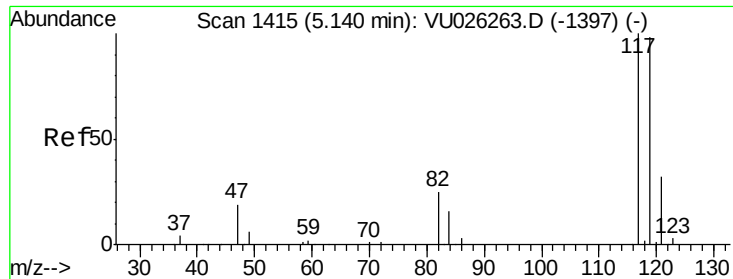
Tgt Ion: 56 Resp: 163572
Ion Ratio Lower Upper
56 100
69 30.3 24.6 37.0
84 85.4 70.1 105.1



#30
1,1,1-Trichloroethane
Concen: 53.613 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU026285.D
Acq: 23 Aug 2018 05:56

Tgt Ion: 97 Resp: 182632
Ion Ratio Lower Upper
97 100
99 64.6 52.0 78.0
61 42.9 34.2 51.4





#31

Carbon tetrachloride

Concen: 52.733 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU026285.D

Acq: 23 Aug 2018 05:56

Instrument :

MSVOA_U

ClientSampleId :

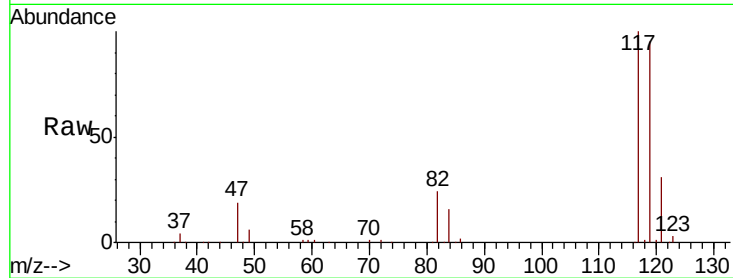
VSTD05048

Tgt Ion:117 Resp: 168886

Ion Ratio Lower Upper

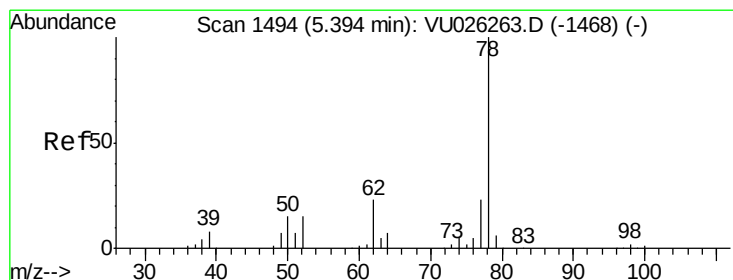
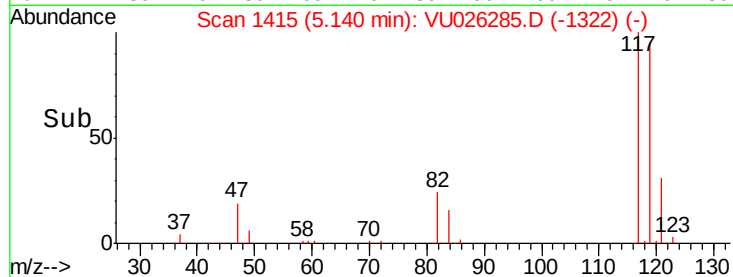
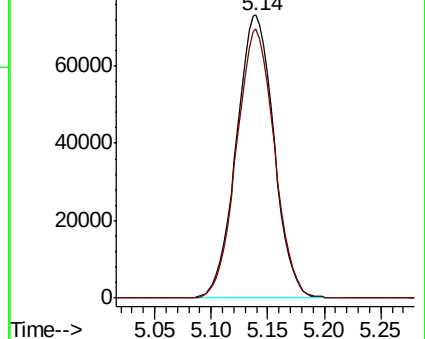
117 100

119 95.5 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 54.753 ug/L

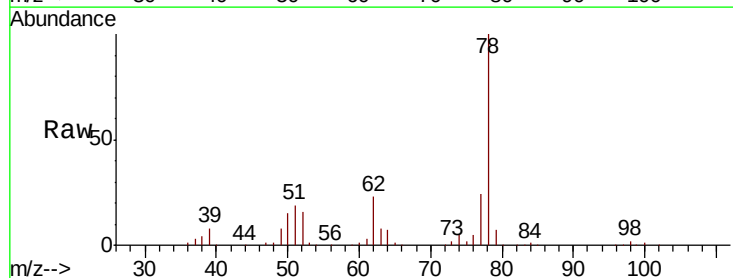
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

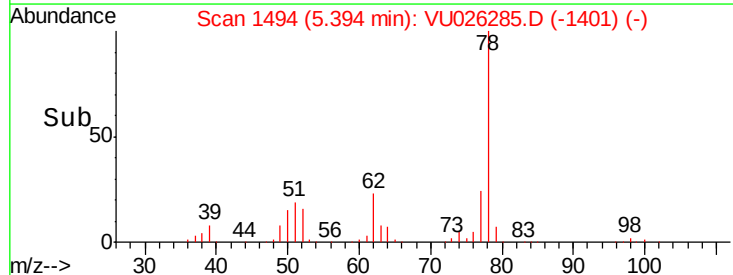
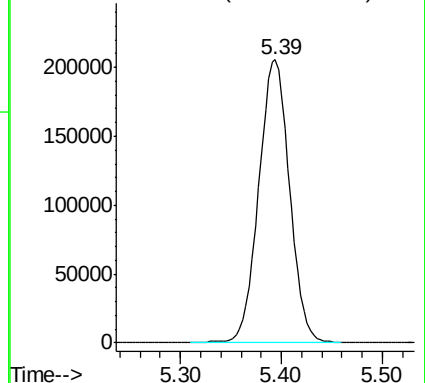
Lab File: VU026285.D

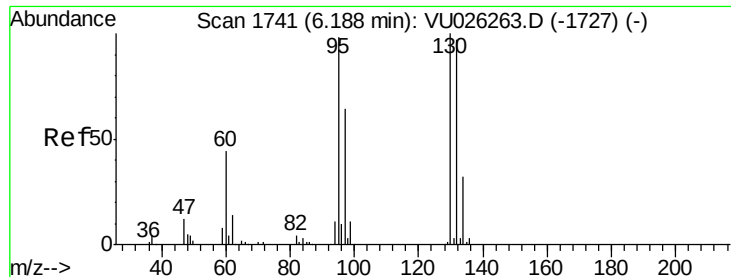
Acq: 23 Aug 2018 05:56

Tgt Ion: 78 Resp: 437648



Abundance Ion 78.00 (77.70 to 78.70): VU0

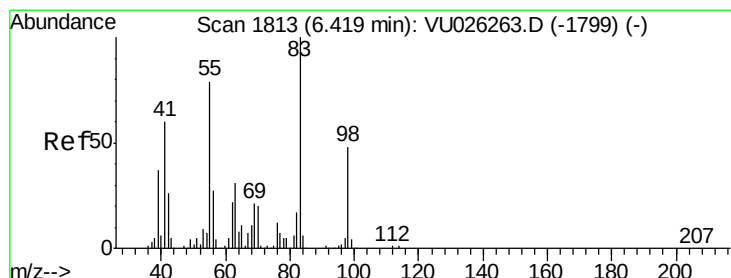
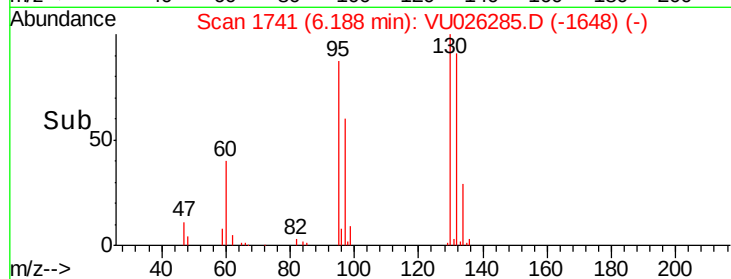
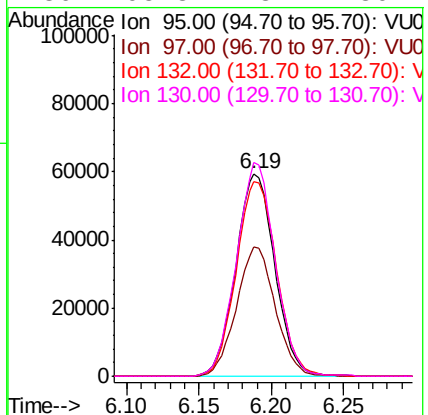
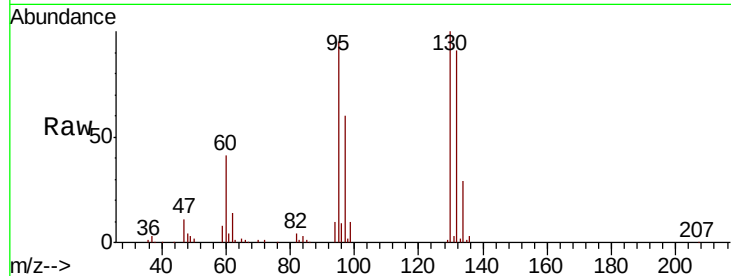




#34
 Trichloroethene
 Concen: 52.783 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU026285.D
 Acq: 23 Aug 2018 05:56

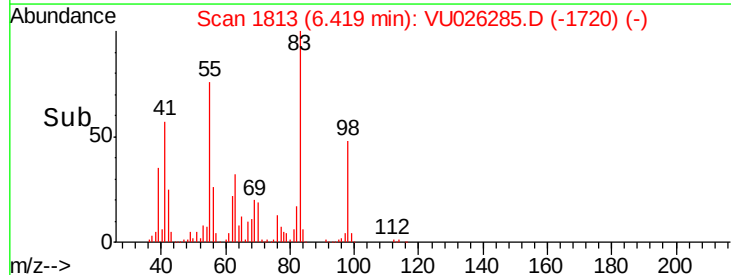
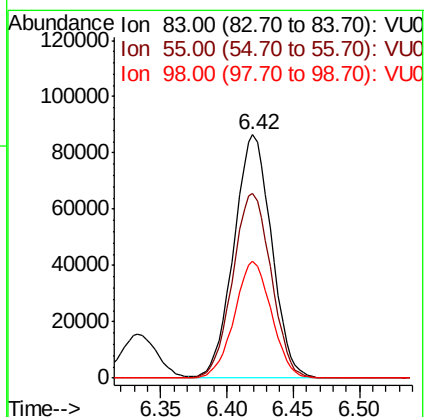
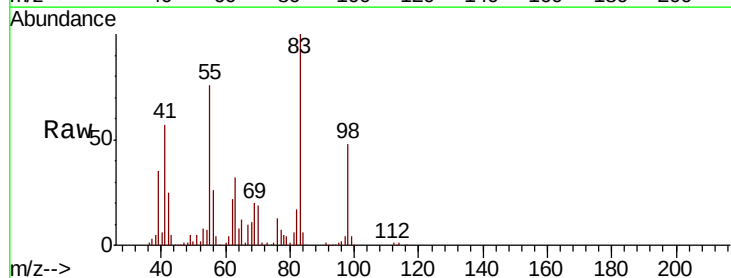
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

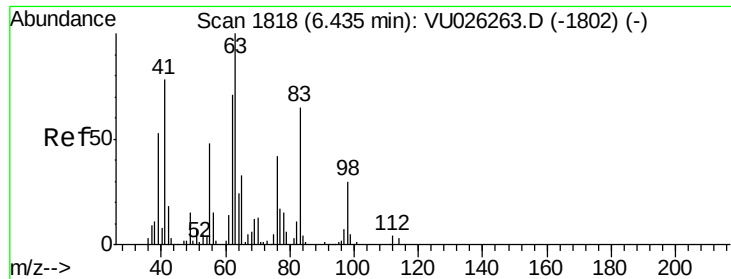
Tgt Ion:	95	Resp:	111564
Ion	Ratio	Lower	Upper
95	100		
97	63.6	47.2	87.6
132	96.2	70.2	130.4
130	105.3	73.4	136.4



#35
 Methylcyclohexane
 Concen: 53.077 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU026285.D
 Acq: 23 Aug 2018 05:56

Tgt Ion:	83	Resp:	171550
Ion	Ratio	Lower	Upper
83	100		
55	77.3	60.6	91.0
98	47.0	36.8	55.2

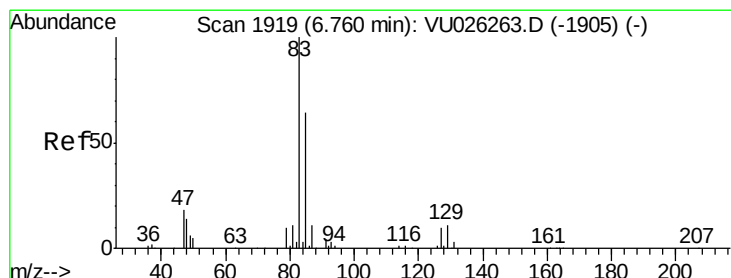
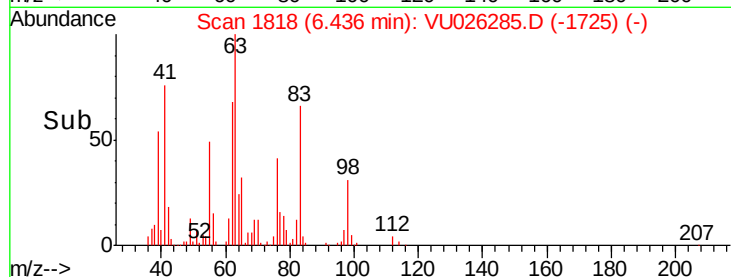
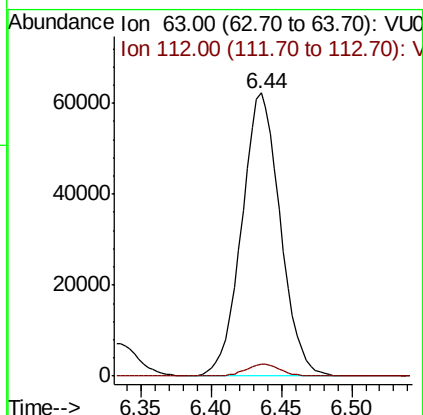
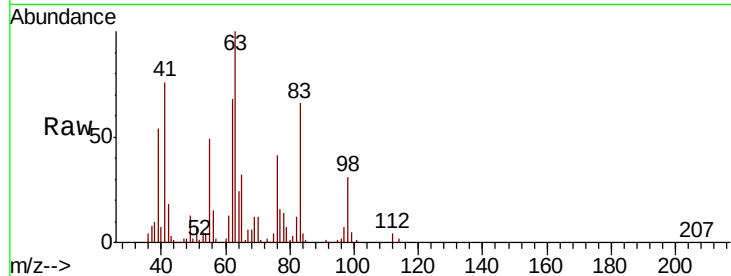




#37
 1,2-Dichloropropane
 Concen: 54.506 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU026285.D
 Acq: 23 Aug 2018 05:56

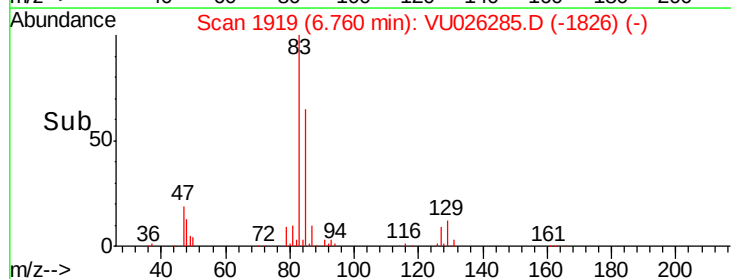
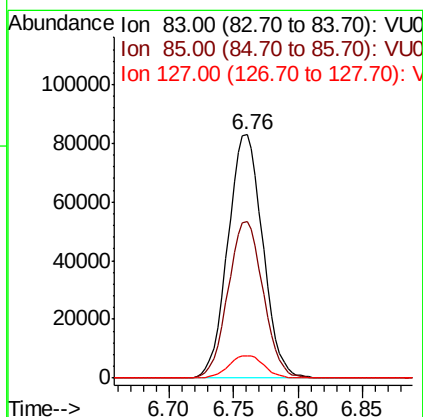
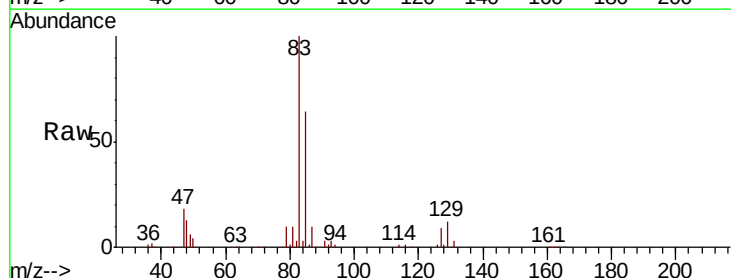
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

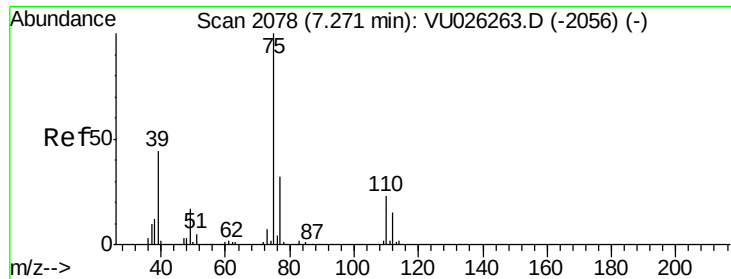
Tgt Ion: 63 Resp: 119067
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.4 5.2



#38
 Bromodichloromethane
 Concen: 53.320 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU026285.D
 Acq: 23 Aug 2018 05:56

Tgt Ion: 83 Resp: 155746
 Ion Ratio Lower Upper
 83 100
 85 64.3 46.3 86.1
 127 9.3 7.8 11.6



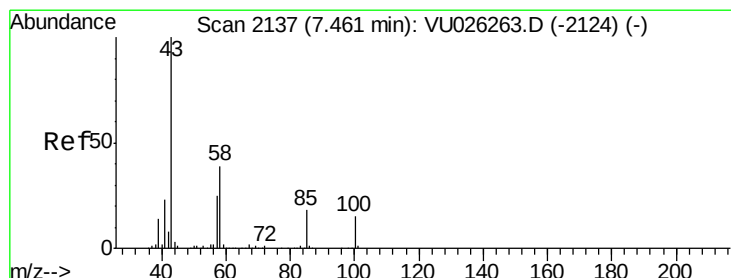
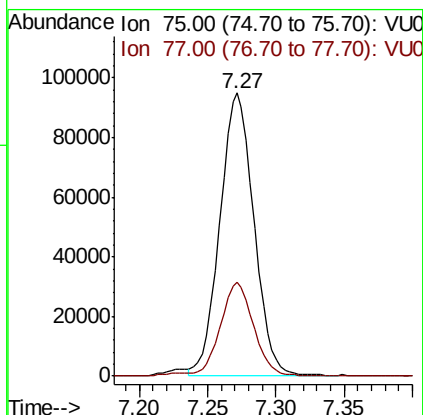
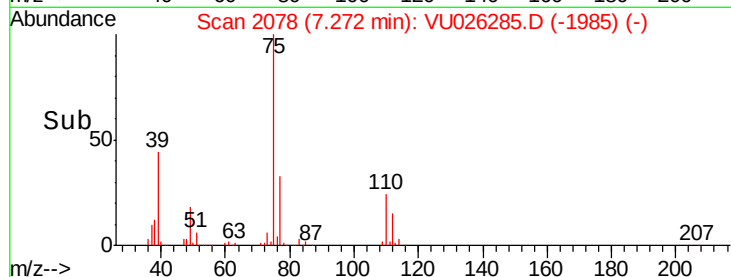
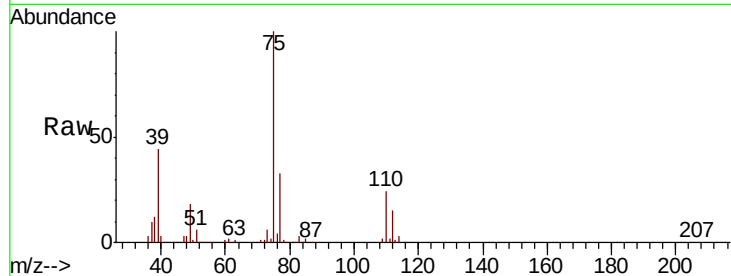


#39

cis-1,3-Dichloropropene
 Concen: 49.074 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026285.D
 Acq: 23 Aug 2018 05:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

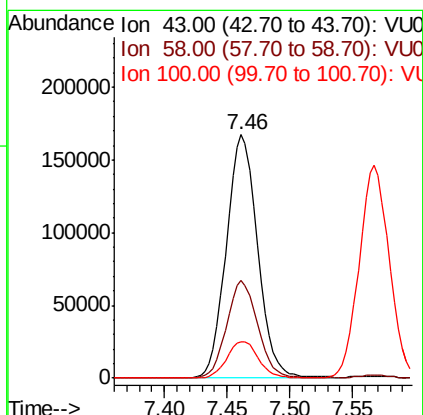
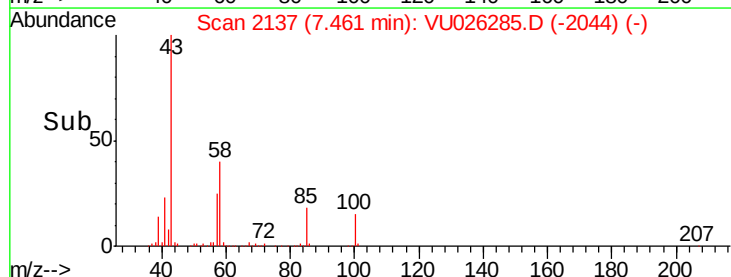
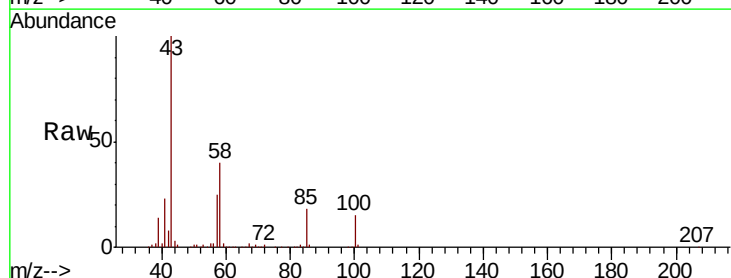
Tgt Ion: 75 Resp: 162833
 Ion Ratio Lower Upper
 75 100
 77 33.3 22.0 40.8

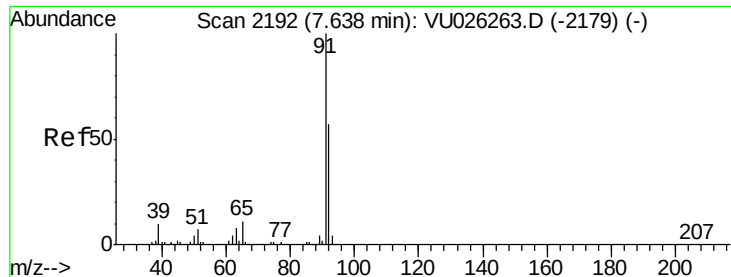


#40

4-Methyl-2-pentanone
 Concen: 104.784 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU026285.D
 Acq: 23 Aug 2018 05:56

Tgt Ion: 43 Resp: 290100
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.6 47.4
 100 15.2 12.3 18.5





#42

Toluene

Concen: 55.050 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026285.D

Acq: 23 Aug 2018 05:56

Instrument :

MSVOA_U

ClientSampleId :

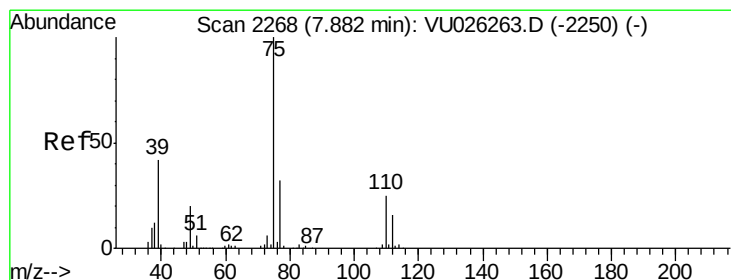
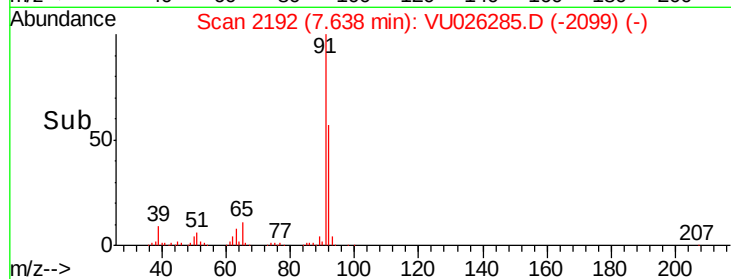
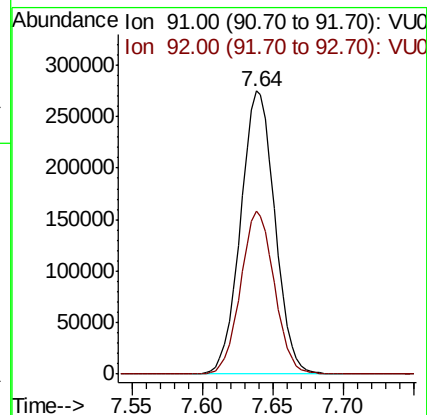
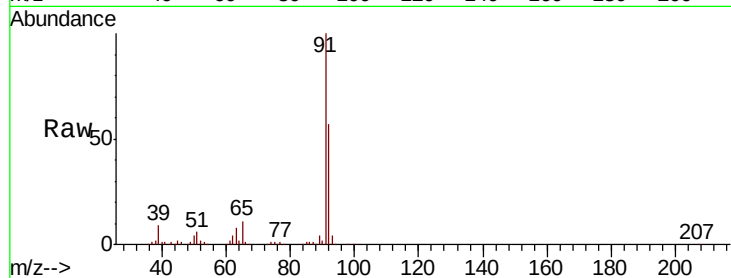
VSTD05048

Tgt Ion: 91 Resp: 468188

Ion Ratio Lower Upper

91 100

92 57.4 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 51.455 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU026285.D

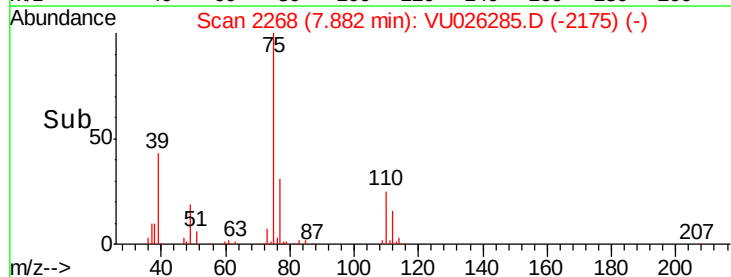
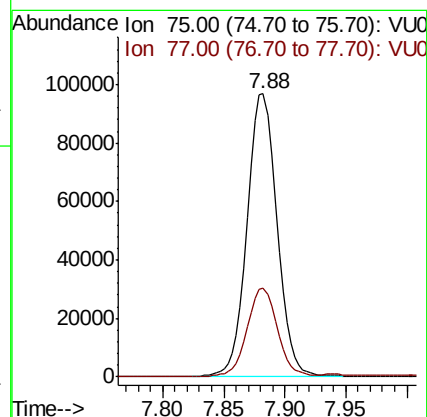
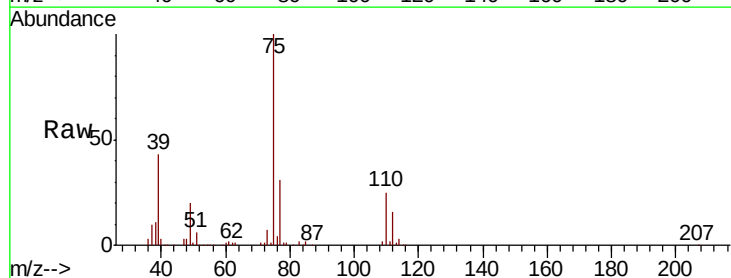
Acq: 23 Aug 2018 05:56

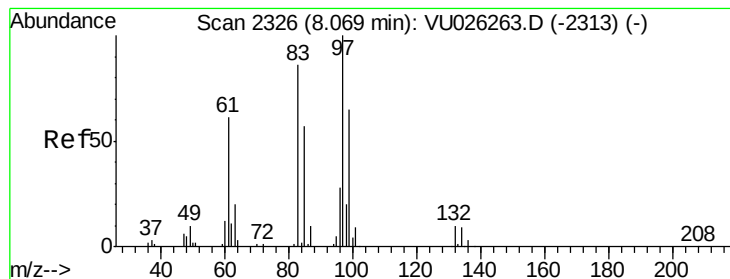
Tgt Ion: 75 Resp: 164275

Ion Ratio Lower Upper

75 100

77 31.3 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 53.759 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU026285.D

Acq: 23 Aug 2018 05:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

Tgt Ion: 97 Resp: 110937

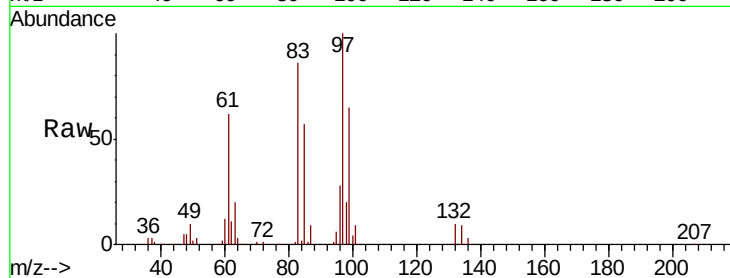
Ion Ratio Lower Upper

97 100

99 64.6 44.0 81.6

83 85.6 59.2 110.0

85 56.8 38.0 70.6

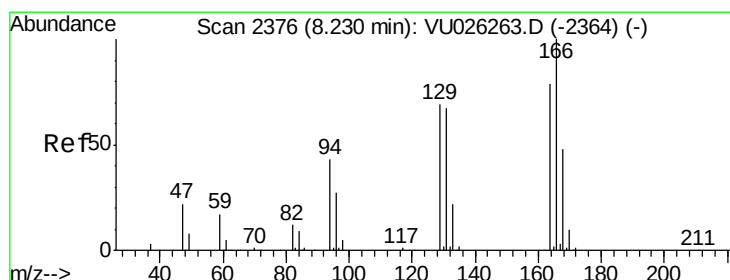
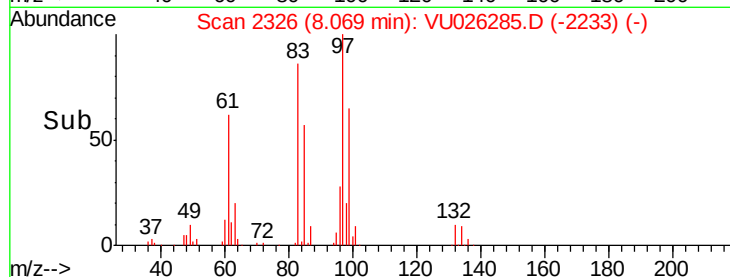
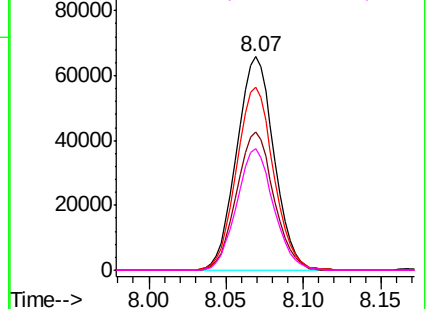


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 52.865 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU026285.D

Acq: 23 Aug 2018 05:56

Tgt Ion: 164 Resp: 96144

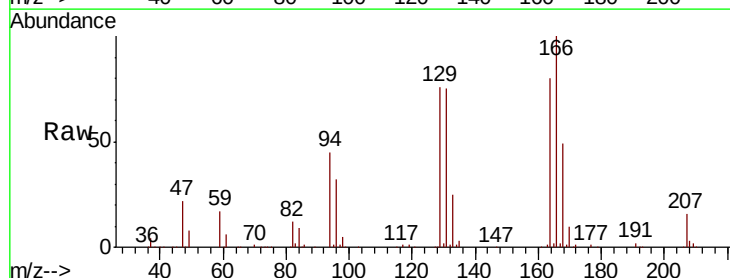
Ion Ratio Lower Upper

164 100

129 95.3 67.3 124.9

131 93.4 65.5 121.7

166 125.4 90.9 168.9

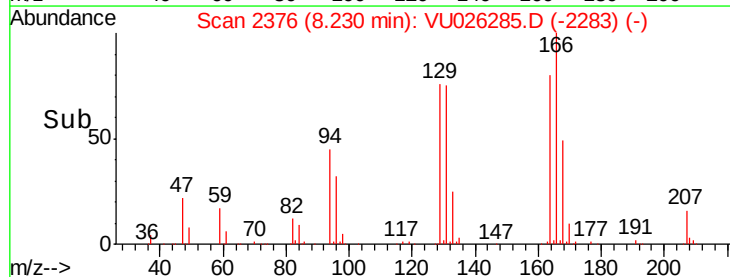
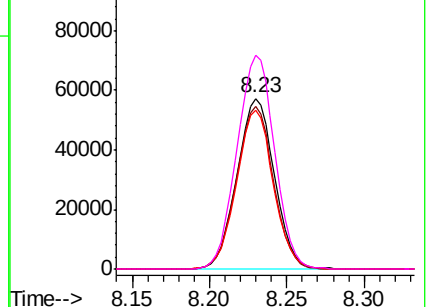


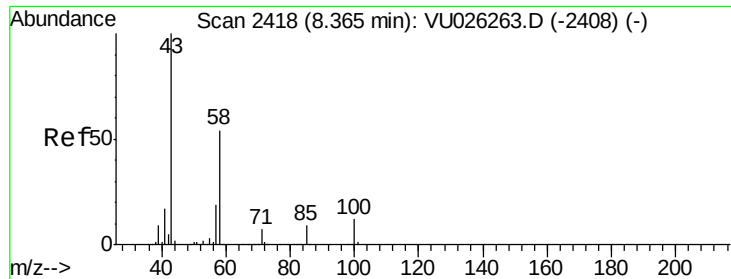
Abundance Ion 164.00 (163.70 to 164.70): V

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

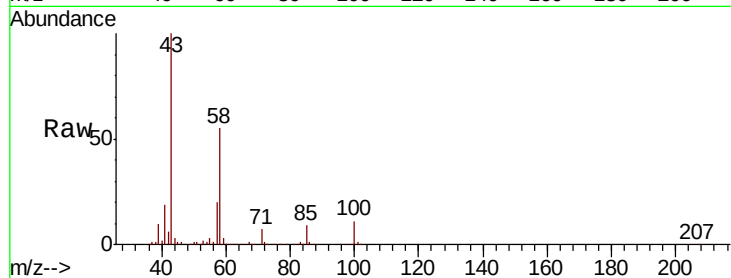




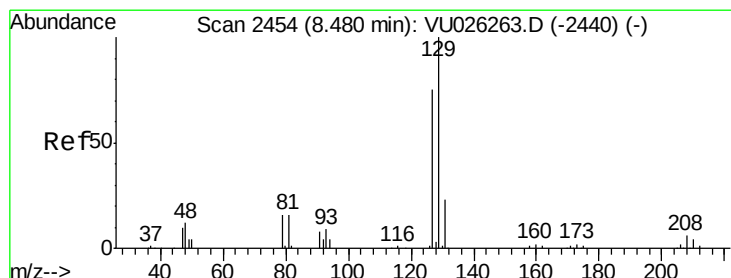
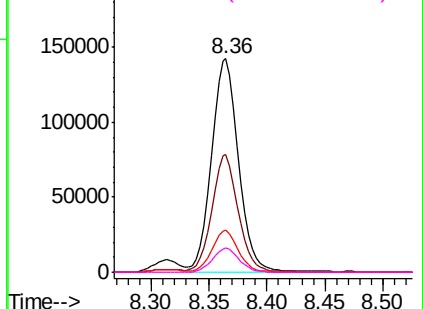
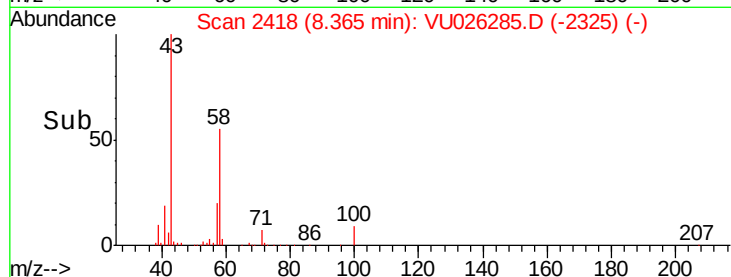
#48
 2-Hexanone
 Concen: 104.433 ug/L
 RT: 8.36 min Scan# 2418
 Delta R.T. 0.00 min
 Lab File: VU026285.D
 Acq: 23 Aug 2018 05:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Tgt Ion:	43	Resp:	232685
Ion	Ratio	Lower	Upper
43	100		
58	52.9	42.6	63.8
57	19.0	15.1	22.7
100	11.2	9.5	14.3

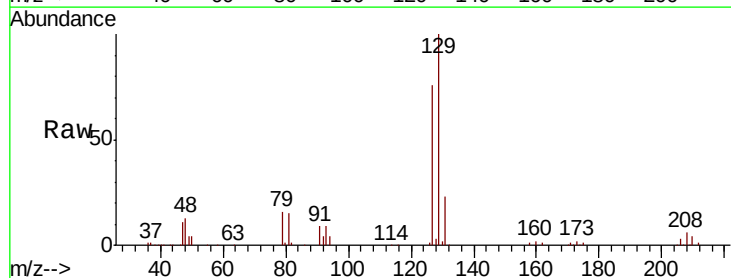


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

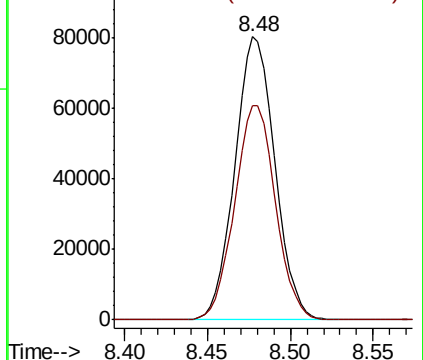
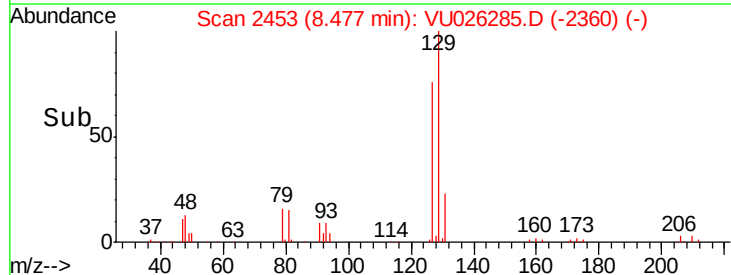


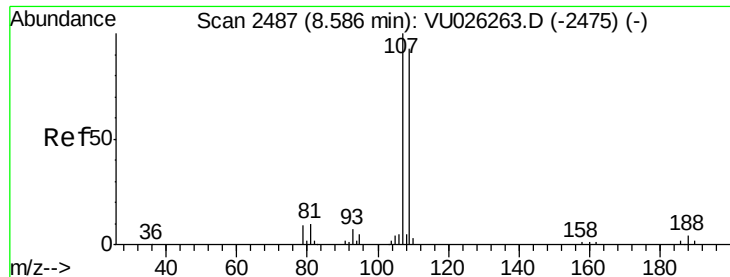
#49
 Dibromochloromethane
 Concen: 53.226 ug/L
 RT: 8.48 min Scan# 2453
 Delta R.T. 0.00 min
 Lab File: VU026285.D
 Acq: 23 Aug 2018 05:56

Tgt Ion:	129	Resp:	134988
Ion	Ratio	Lower	Upper
129	100		
127	75.8	53.8	100.0



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

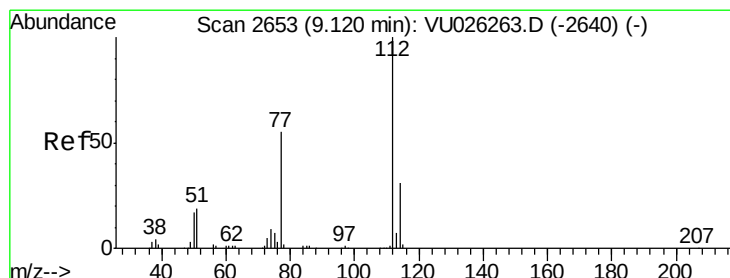
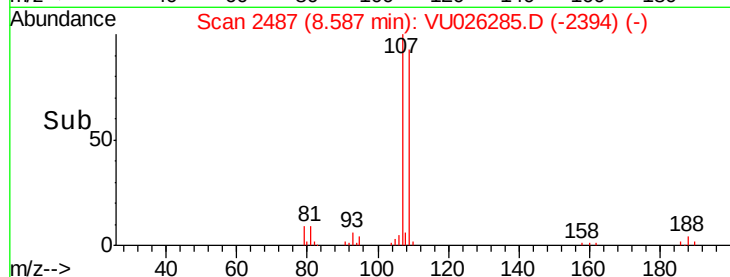
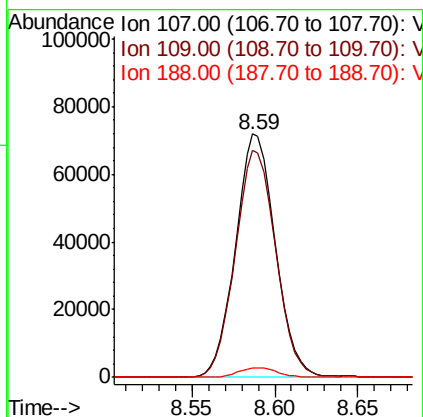
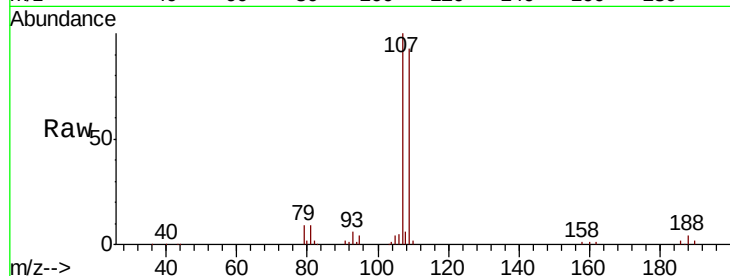




#50
 1,2-Dibromoethane
 Concen: 52.829 ug/L
 RT: 8.59 min Scan# 2487
 Delta R.T. 0.00 min
 Lab File: VU026285.D
 Acq: 23 Aug 2018 05:56

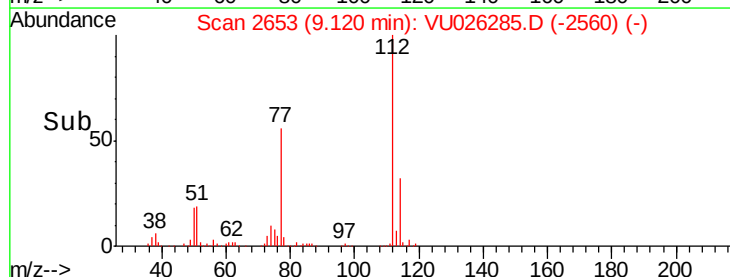
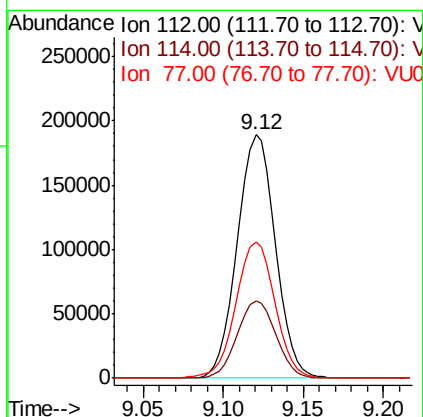
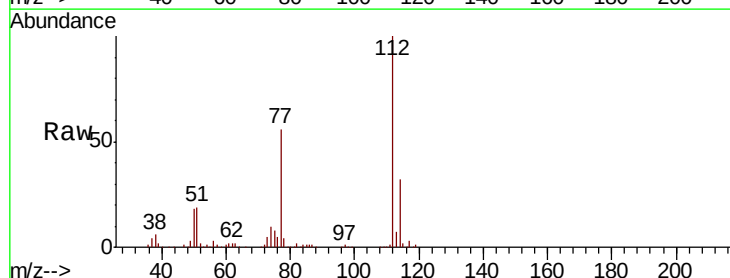
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

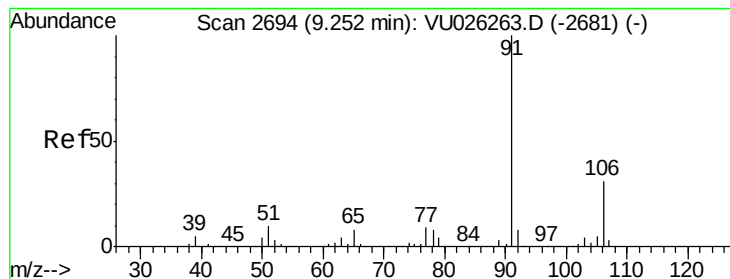
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.2	65.2	121.0
188	3.9	3.4	5.2



#51
 Chlorobenzene
 Concen: 52.798 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. 0.00 min
 Lab File: VU026285.D
 Acq: 23 Aug 2018 05:56

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.5	41.9
77	55.9	45.4	68.2





#52

Ethylbenzene

Concen: 54.760 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026285.D

Acq: 23 Aug 2018 05:56

Instrument :

MSVOA_U

ClientSampleId :

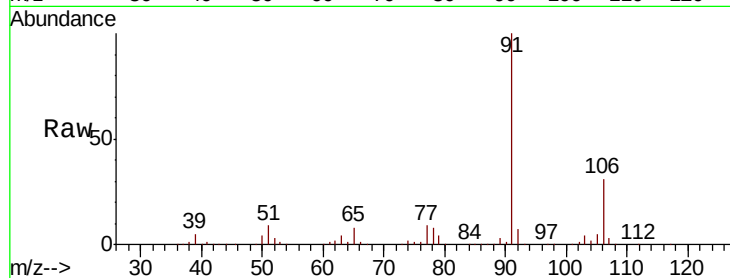
VSTD05048

Tgt Ion: 91 Resp: 507277

Ion Ratio Lower Upper

91 100

106 31.3 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VU026285.D (-2601) (-)

Ion 106.00 (105.70 to 106.70): VU026285.D (-2601) (-)

9.25

300000

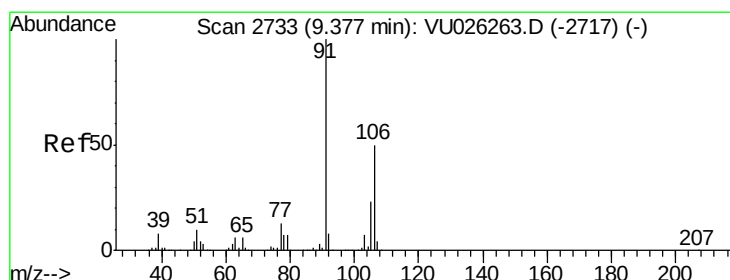
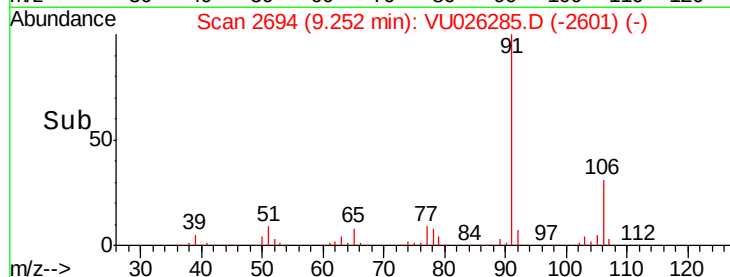
200000

100000

0

9.20 9.25 9.30

Time-->



#53

m,p-Xylene

Concen: 55.511 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026285.D

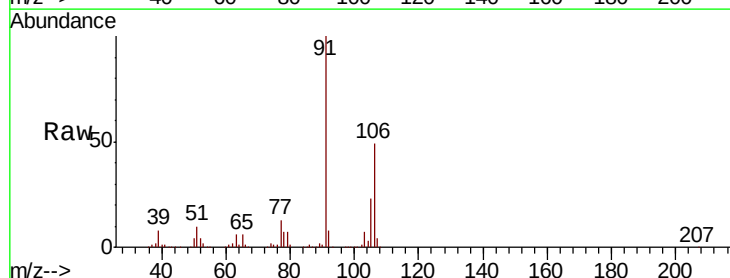
Acq: 23 Aug 2018 05:56

Tgt Ion: 106 Resp: 198756

Ion Ratio Lower Upper

106 100

91 202.3 136.6 253.8



Abundance Ion 106.00 (105.70 to 106.70): VU026285.D (-2640) (-)

Ion 91.00 (90.70 to 91.70): VU026285.D (-2640) (-)

9.38

300000

250000

200000

150000

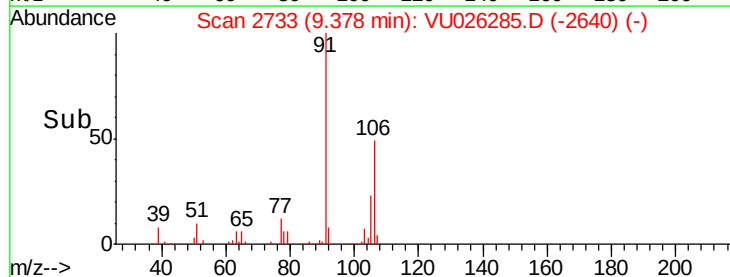
100000

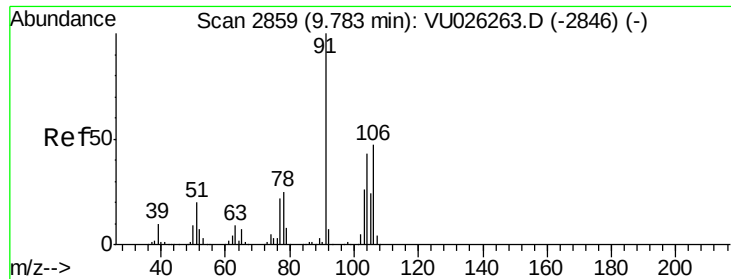
50000

0

9.30 9.35 9.40 9.45

Time-->

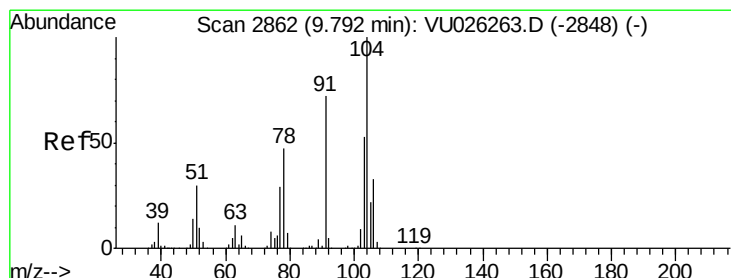
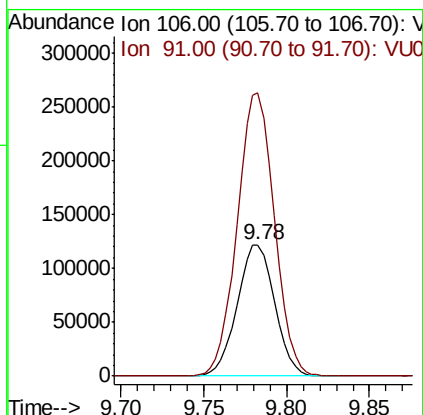
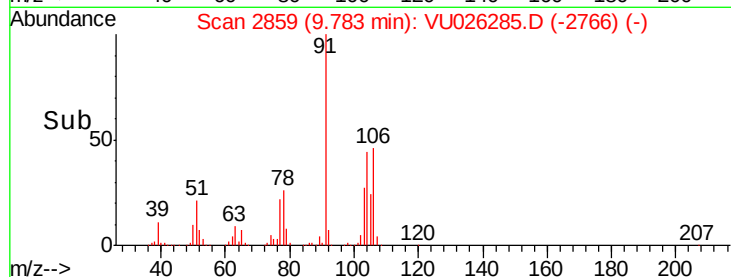
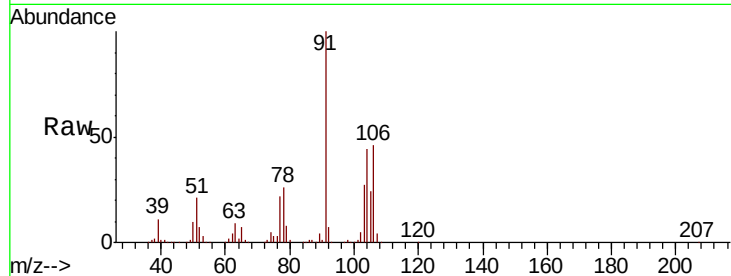




#54
o-xylene
Concen: 54.933 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU026285.D
Acq: 23 Aug 2018 05:56

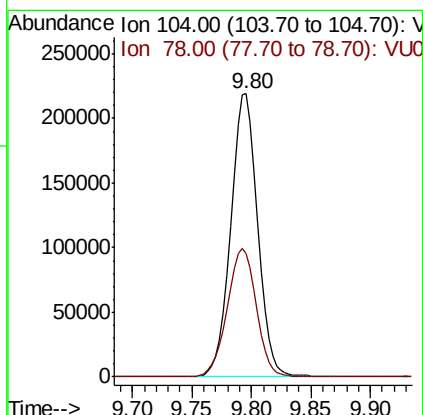
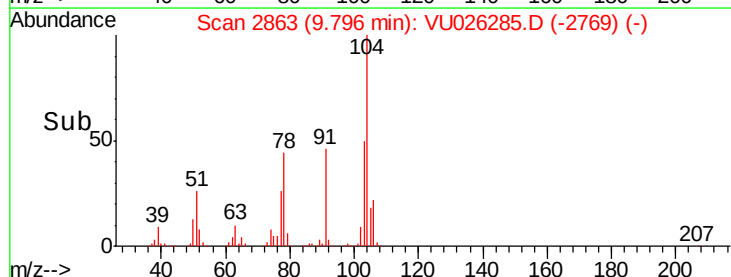
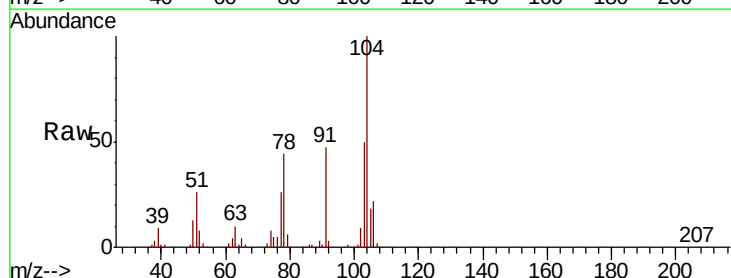
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

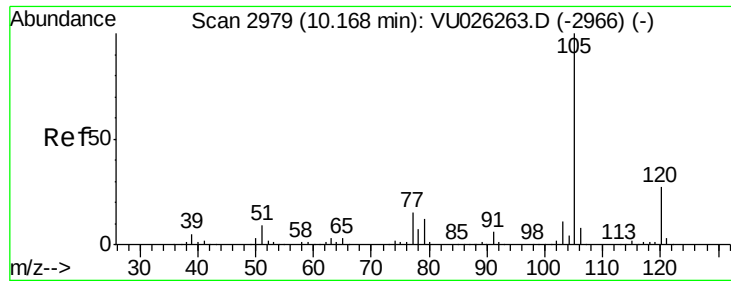
Tgt Ion:106 Resp: 191849
Ion Ratio Lower Upper
106 100
91 215.5 151.2 280.8



#55
Styrene
Concen: 57.491 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU026285.D
Acq: 23 Aug 2018 05:56

Tgt Ion:104 Resp: 342730
Ion Ratio Lower Upper
104 100
78 43.7 32.3 60.1





#56

Isopropylbenzene

Concen: 55.622 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026285.D

Acq: 23 Aug 2018 05:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

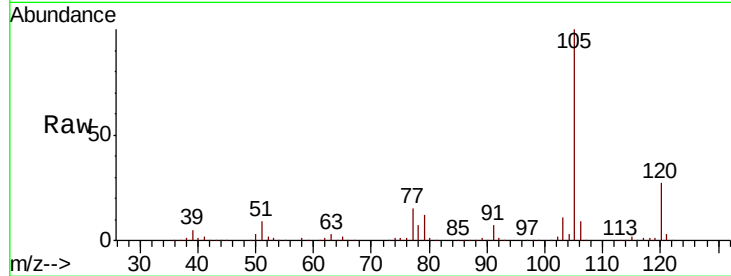
Tgt Ion: 105 Resp: 503945

Ion Ratio Lower Upper

105 100

120 27.3 21.9 32.9

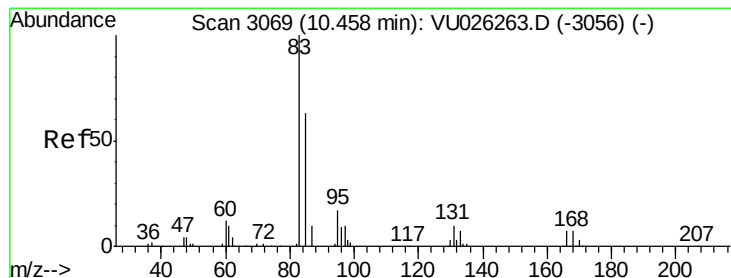
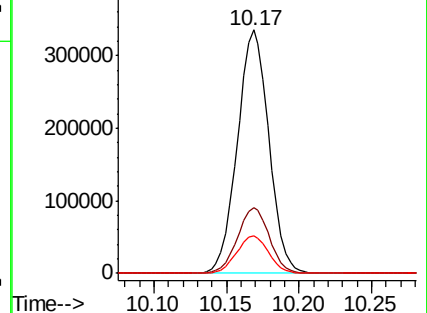
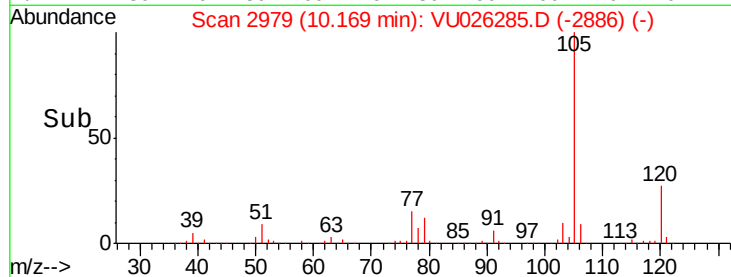
77 15.7 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 52.754 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU026285.D

Acq: 23 Aug 2018 05:56

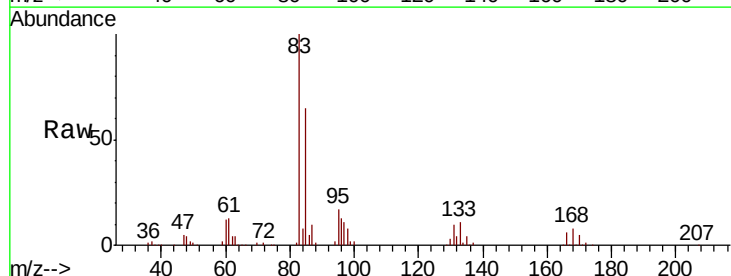
Tgt Ion: 83 Resp: 184245

Ion Ratio Lower Upper

83 100

85 65.0 44.9 83.3

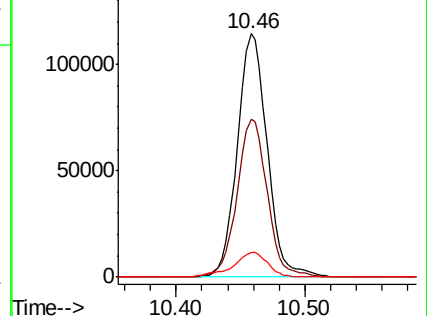
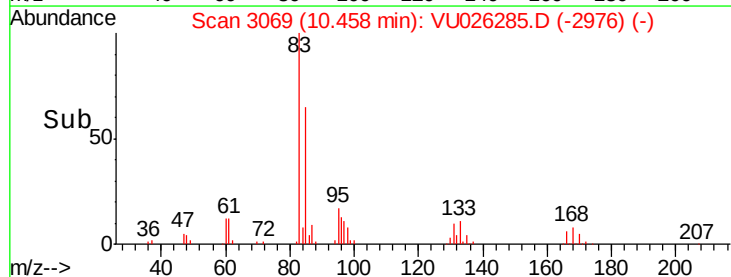
131 10.0 8.2 12.2

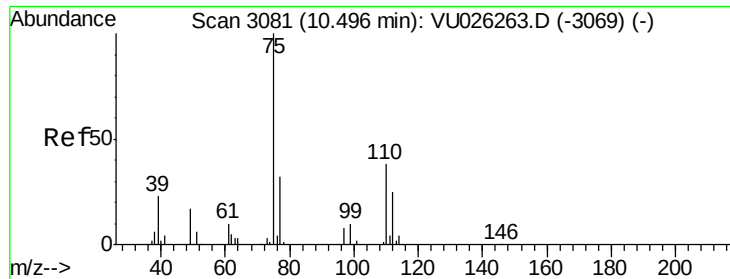


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 52.619 ug/L

RT: 10.49 min Scan# 3080

Delta R.T. 0.00 min

Lab File: VU026285.D

Acq: 23 Aug 2018 05:56

Instrument :

MSVOA_U

ClientSampleId :

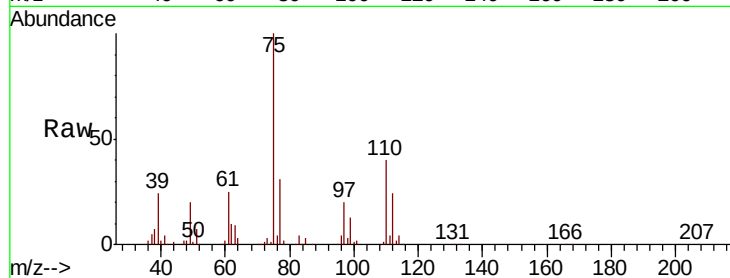
VSTD05048

Tgt Ion: 75 Resp: 143297

Ion Ratio Lower Upper

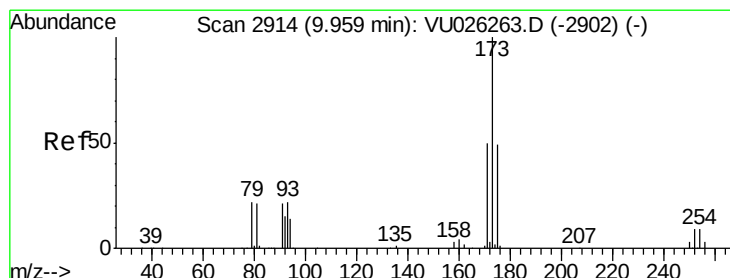
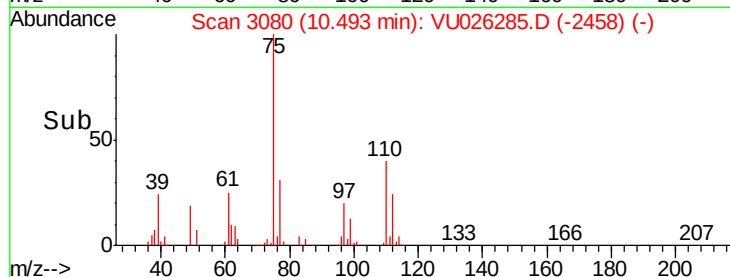
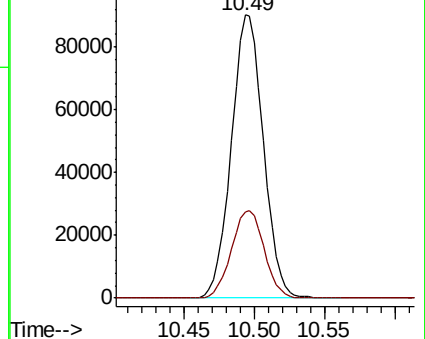
75 100

77 31.7 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU026263.D (-3069) (-)

Ion 77.00 (76.70 to 77.70): VU026263.D (-3069) (-)



#61

Bromoform

Concen: 51.752 ug/L

RT: 9.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VU026285.D

Acq: 23 Aug 2018 05:56

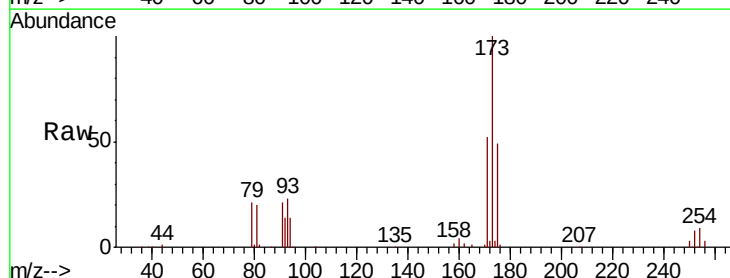
Tgt Ion: 173 Resp: 102979

Ion Ratio Lower Upper

173 100

175 48.4 39.4 59.2

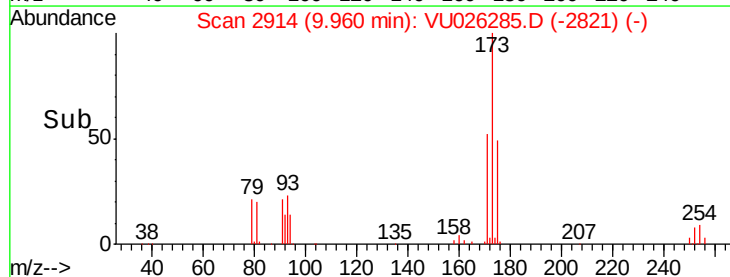
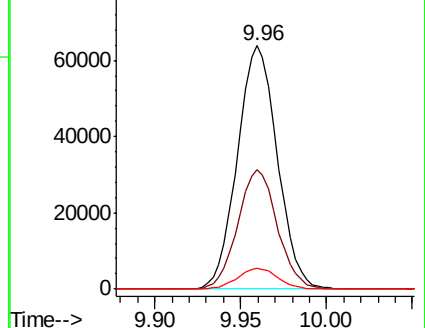
254 8.7 7.0 10.4

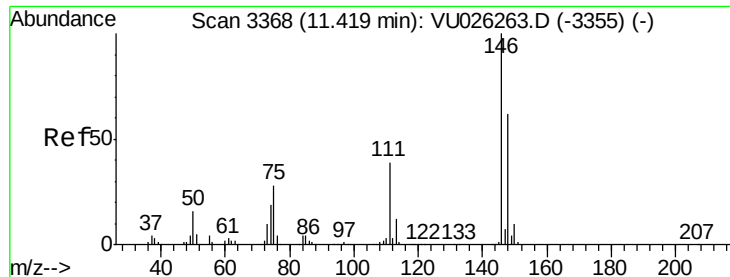


Abundance Ion 173.00 (172.70 to 173.70): VU026263.D (-2902) (-)

Ion 175.00 (174.70 to 175.70): VU026263.D (-2902) (-)

Ion 254.00 (253.70 to 254.70): VU026263.D (-2902) (-)





#62

1,3-Dichlorobenzene

Concen: 50.813 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026285.D

Acq: 23 Aug 2018 05:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

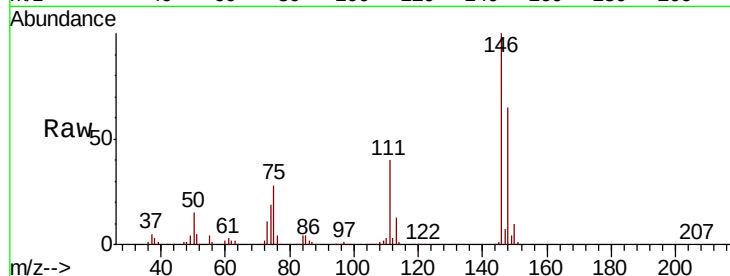
Tgt Ion:146 Resp: 240600

Ion Ratio Lower Upper

146 100

111 40.0 26.9 50.1

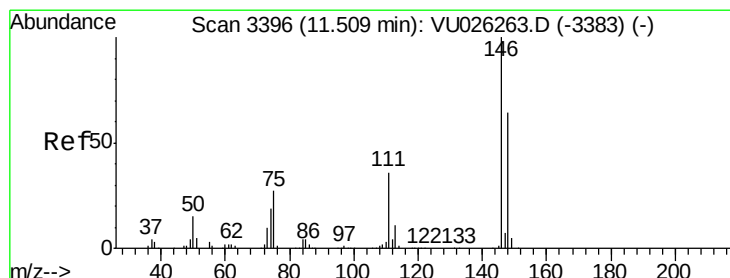
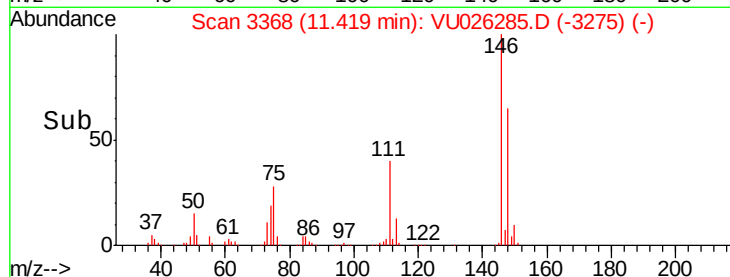
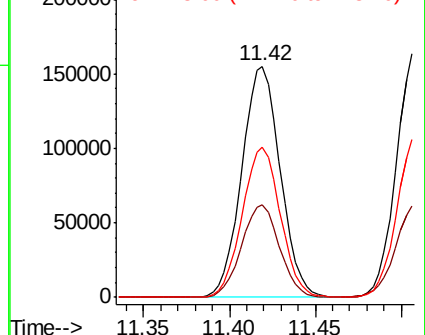
148 64.9 43.7 81.1



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: 51.583 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026285.D

Acq: 23 Aug 2018 05:56

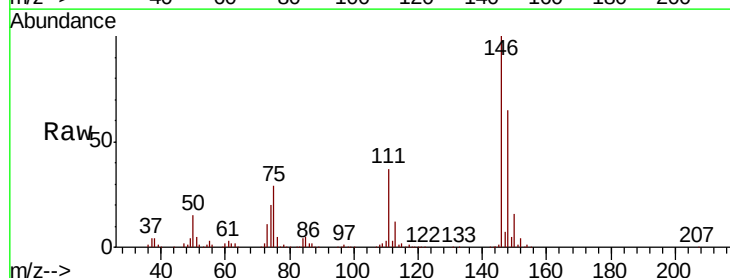
Tgt Ion:146 Resp: 258078

Ion Ratio Lower Upper

146 100

111 37.0 25.9 48.1

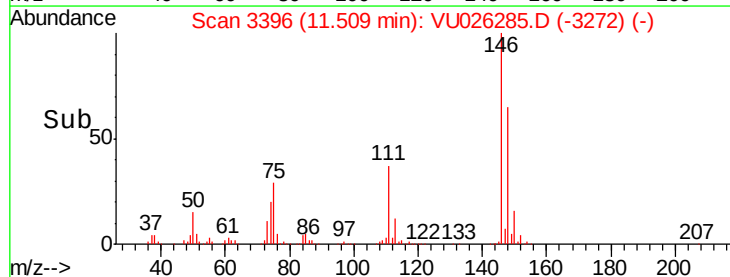
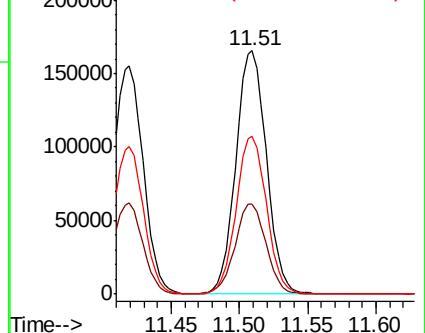
148 65.0 44.5 82.7

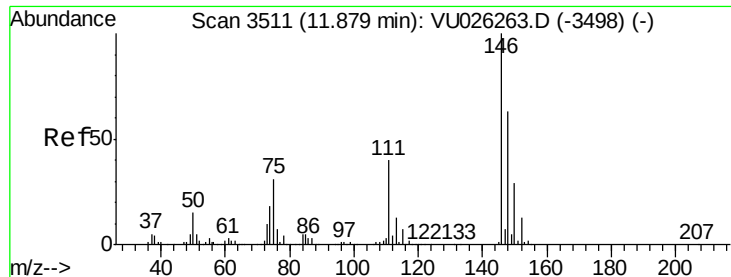


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

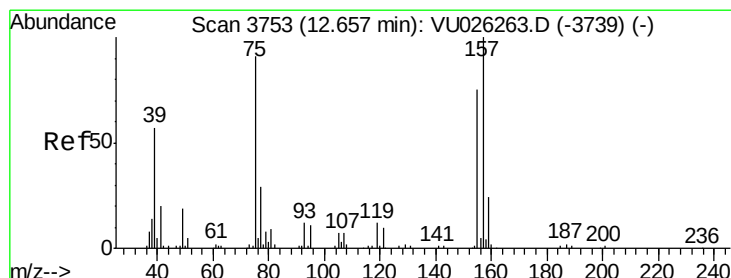
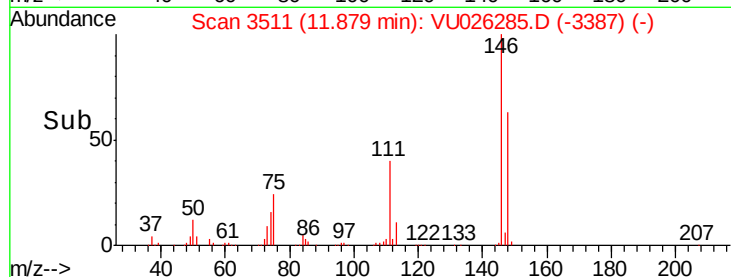
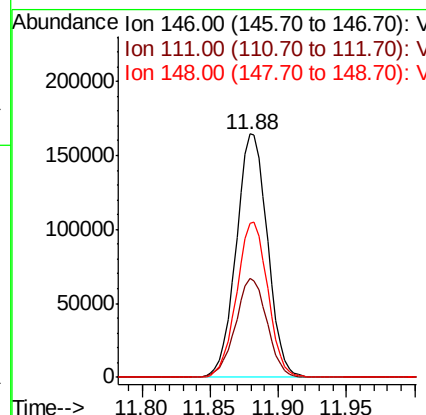
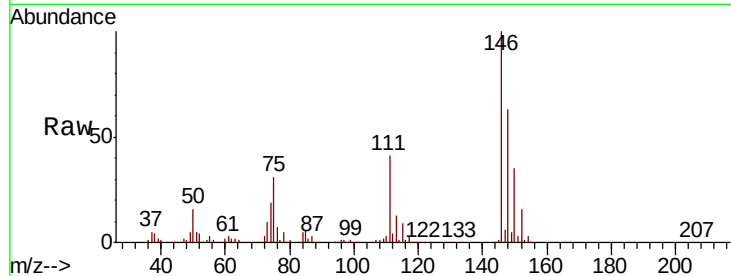




#65
 1,2-Dichlorobenzene
 Concen: 52.616 ug/L
 RT: 11.88 min Scan# 3511
 Delta R.T. 0.00 min
 Lab File: VU026285.D
 Acq: 23 Aug 2018 05:56

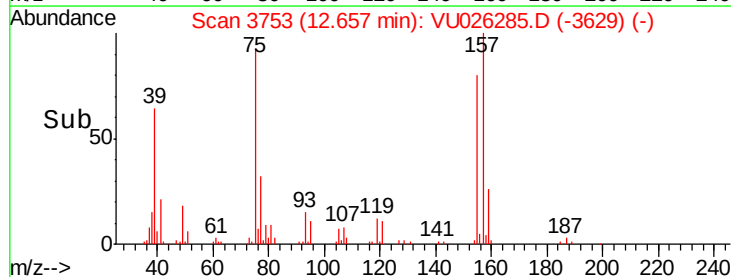
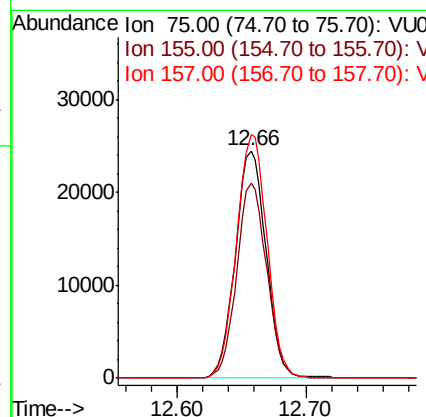
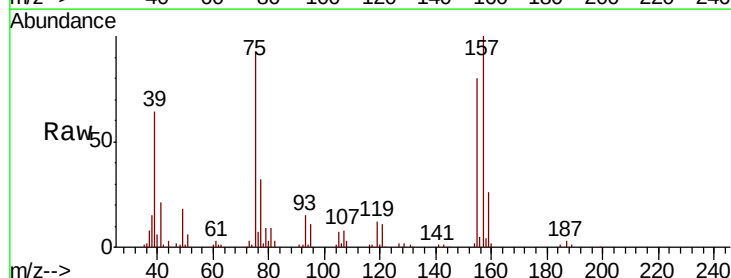
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

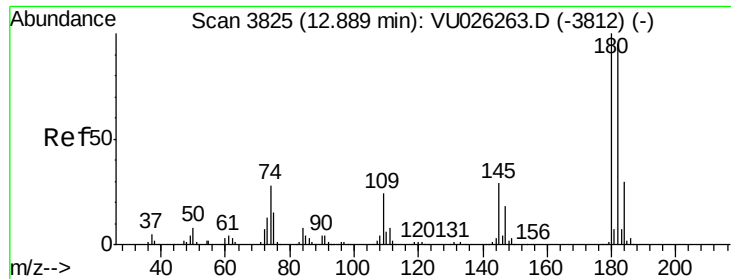
Tgt Ion: 146 Resp: 262043
 Ion Ratio Lower Upper
 146 100
 111 40.5 32.6 48.8
 148 63.3 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.693 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU026285.D
 Acq: 23 Aug 2018 05:56

Tgt Ion: 75 Resp: 40512
 Ion Ratio Lower Upper
 75 100
 155 85.8 65.0 97.6
 157 107.1 87.5 131.3

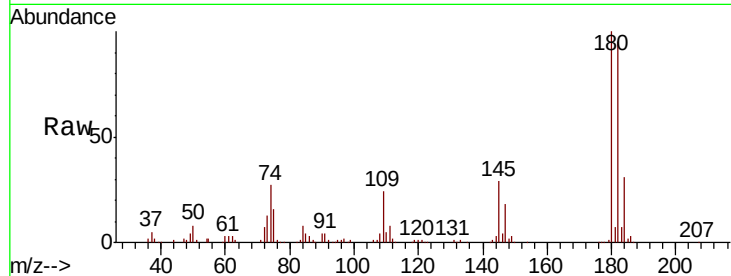




#67
 1,3,5-Trichlorobenzene
 Concen: 51.920 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU026285.D
 Acq: 23 Aug 2018 05:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Tgt Ion:	180	Resp:	192981
Ion	Ratio	Lower	Upper
180	100		
182	94.7	77.9	116.9
184	30.8	24.2	36.4
145	29.2	23.4	35.2



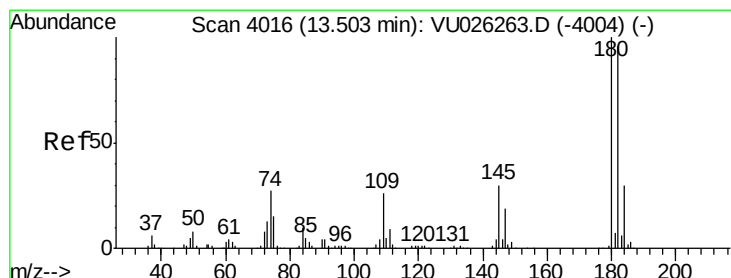
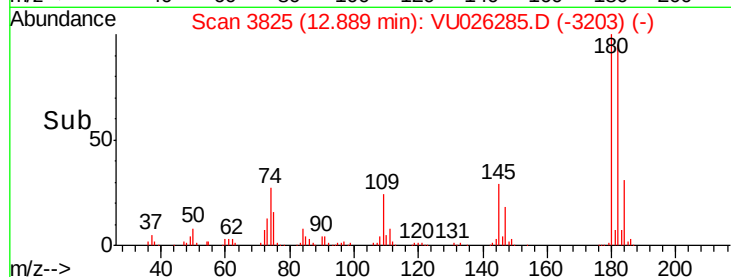
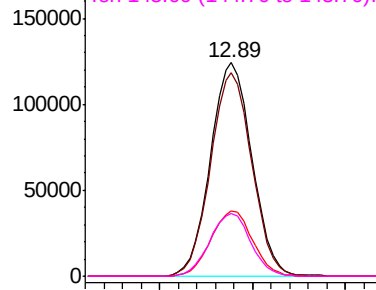
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

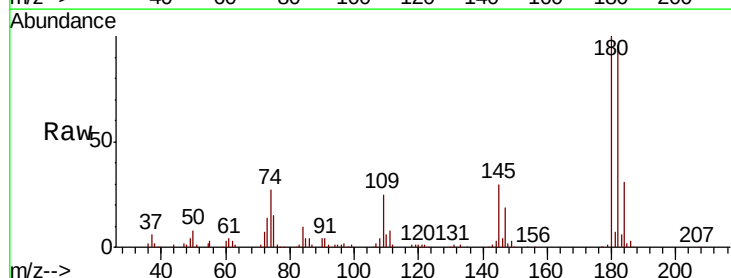
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 51.117 ug/L
 RT: 13.50 min Scan# 4016
 Delta R.T. 0.00 min
 Lab File: VU026285.D
 Acq: 23 Aug 2018 05:56

Tgt Ion:	180	Resp:	165854
Ion	Ratio	Lower	Upper
180	100		
182	97.2	75.8	113.6
145	30.0	23.8	35.8

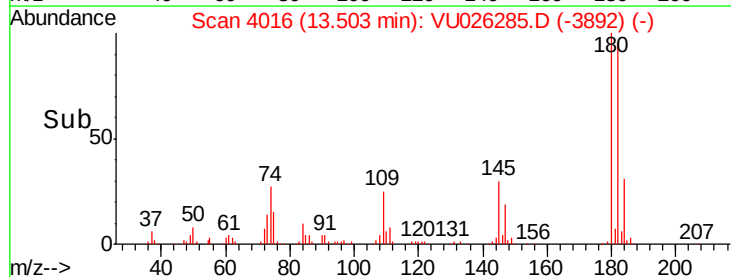
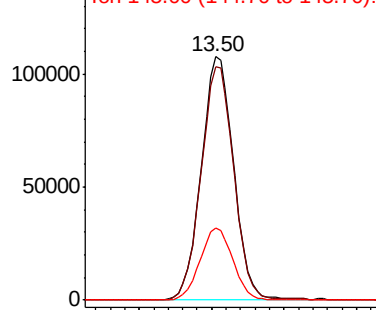


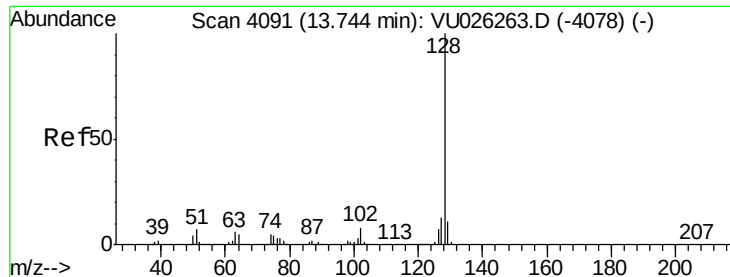
Abundance

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: 54.358 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU026285.D

Acq: 23 Aug 2018 05:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

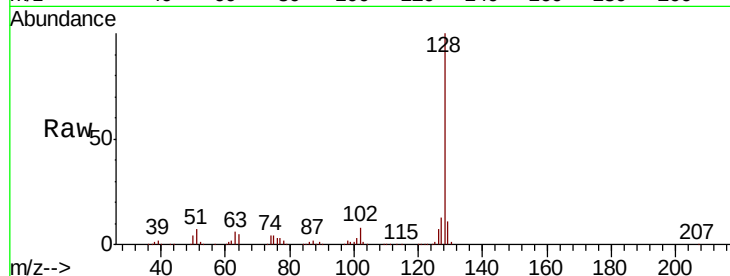
Tgt Ion:128 Resp: 525425

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

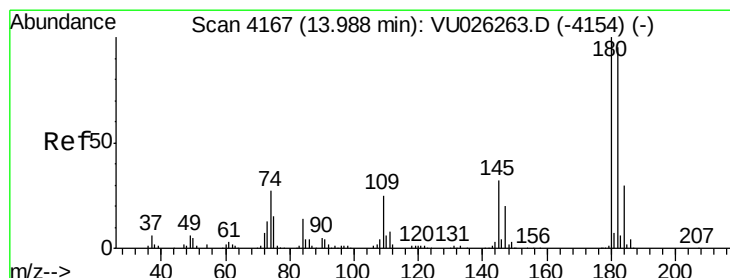
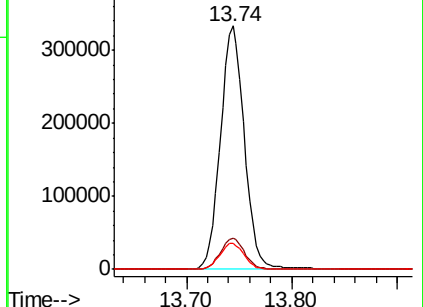
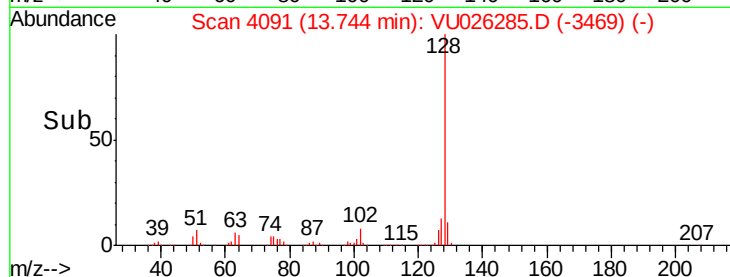
129 10.9 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.614 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU026285.D

Acq: 23 Aug 2018 05:56

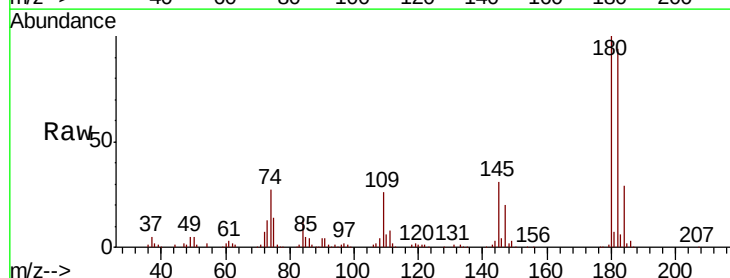
Tgt Ion:180 Resp: 185340

Ion Ratio Lower Upper

180 100

182 95.3 77.6 116.4

145 31.1 26.2 39.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

