

Data File : VU032285.D
Acq On : 23 May 2019 22:47
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Quant Time: May 24 03:00:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 24 02:55:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	354547	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	360166	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	160981	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	76978	3.87	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.40%
7) Chloroethane-d5	1.68	69	77971	4.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.00%
11) 1,1-Dichloroethene-d2	2.27	63	149972	4.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.80%
20) 2-Butanone-d5	4.20	46	272082	48.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.88%
24) Chloroform-d	4.64	84	231637	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.31	65	125837	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.33	84	428312	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.80%
36) 1,2-Dichloropropane-d6	6.33	67	144881	4.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.20%
41) Toluene-d8	7.56	98	432429	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
43) trans-1,3-Dichloropropene-	7.85	79	53891	4.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.40%
46) 2-Hexanone-d5	8.31	63	247926	51.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.26%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	154724	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	203678	4.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	77440	5.109	ug/L 99
3) Chloromethane	1.32	50	72857	4.794	ug/L 100
5) Vinyl chloride	1.40	62	77103	5.025	ug/L 99
6) Bromomethane	1.63	94	49762	5.118	ug/L 98
8) Chloroethane	1.70	64	45165	4.636	ug/L 99
9) Trichlorofluoromethane	1.88	101	101916	5.123	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	65720	5.235	ug/L 98
12) 1,1-Dichloroethene	2.28	96	65812	5.216	ug/L 97
13) Acetone	2.34	43	87903	50.516	ug/L 98
14) Carbon disulfide	2.47	76	191775	4.905	ug/L 98
15) Methyl Acetate	2.62	43	21407	4.193	ug/L 98
16) Methylene chloride	2.70	84	69583	4.134	ug/L 98
17) Methyl tert-butyl Ether	3.00	73	149696	5.262	ug/L 99
18) trans-1,2-Dichloroethene	2.97	96	67934	5.016	ug/L 92
19) 1,1-Dichloroethane	3.44	63	106753	5.104	ug/L 95
21) 2-Butanone	4.29	43	131324	50.025	ug/L 96
22) cis-1,2-Dichloroethene	4.22	96	67927	5.138	ug/L 99

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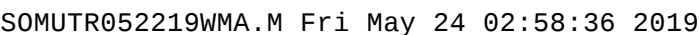
Instrument :
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VSTD00515

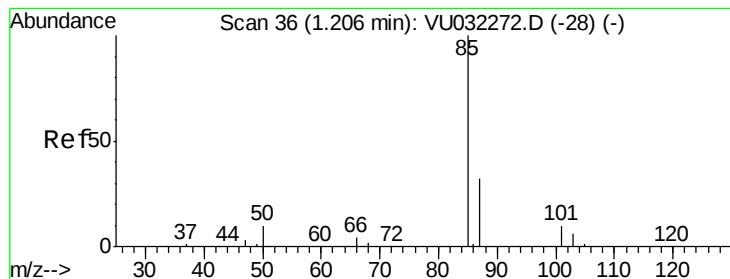
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	31446	5.382	ug/L	90
25) Chloroform	4.67	83	117353	5.195	ug/L	96
27) 1,2-Dichloroethane	5.40	62	66539	5.061	ug/L	97
29) 1,1,1-Trichloroethane	4.91	97	95216	5.093	ug/L	96
30) Cyclohexane	4.98	56	78834	4.511	ug/L	95
31) Carbon tetrachloride	5.13	117	82928	5.036	ug/L	97
33) Benzene	5.38	78	249164	5.114	ug/L	100
34) Trichloroethene	6.18	95	64982	4.970	ug/L	93
35) Methylcyclohexane	6.41	83	90114	4.679	ug/L	99
37) 1,2-Dichloropropane	6.43	63	60768	5.181	ug/L	98
38) Bromodichloromethane	6.76	83	76953	5.048	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	76537	4.582	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	297918	50.244	ug/L	98
42) Toluene	7.63	91	273814	5.289	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	66693	5.082	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	47872	5.285	ug/L	96
47) Tetrachloroethene	8.22	164	53590	4.965	ug/L	93
48) 2-Hexanone	8.36	43	241348	53.069	ug/L	99
49) Dibromochloromethane	8.47	129	54683	5.304	ug/L	96
50) 1,2-Dibromoethane	8.58	107	43659	5.112	ug/L #	97
51) Chlorobenzene	9.12	112	168884	5.097	ug/L	99
52) Ethylbenzene	9.25	91	260383	4.997	ug/L	96
53) m,p-Xylene	9.37	106	101408	5.233	ug/L	88
54) o-Xylene	9.77	106	100104	5.170	ug/L	90
55) Styrene	9.79	104	167364	5.166	ug/L	99
56) Isopropylbenzene	10.16	105	250541	5.118	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	55277	5.066	ug/L #	95
59) 1,2,3-Trichloropropane	10.49	75	40515	5.304	ug/L	94
61) Bromoform	9.95	173	31441	5.453	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	122502	5.150	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	129263	5.182	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	131377	5.445	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.66	75	8159	5.237	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	96092	5.309	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	65101	5.101	ug/L	95
69) Naphthalene	13.74	128	87650	4.489	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	68718	5.087	ug/L	97

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

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#2

Dichlorodifluoromethane

Concen: 5.109 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU032285.D

Acq: 23 May 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

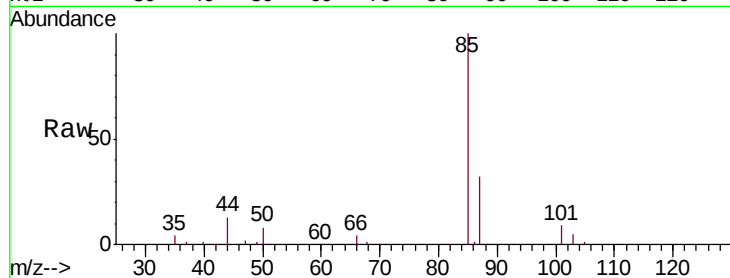
VSTD00515

Tgt Ion: 85 Resp: 77440

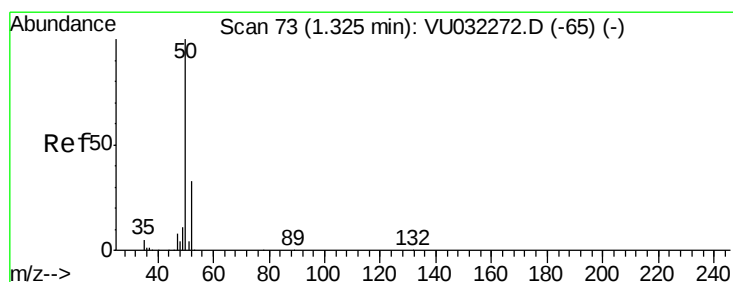
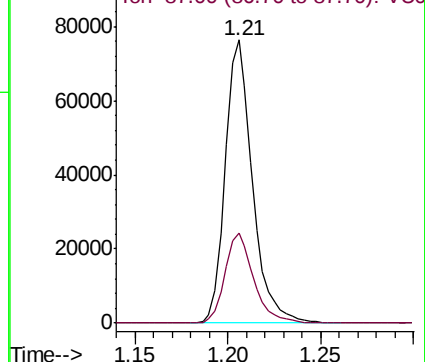
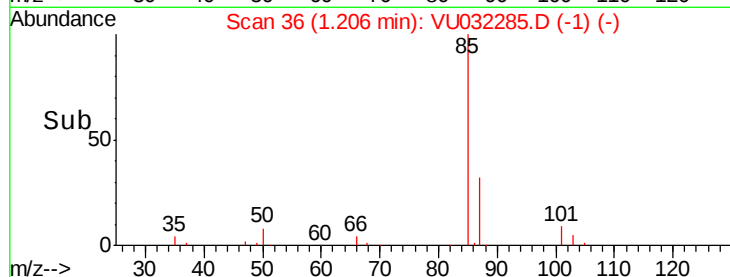
Ion Ratio Lower Upper

85 100

87 33.6 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VU032285.D (-1) (-)



#3

Chloromethane

Concen: 4.794 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU032285.D

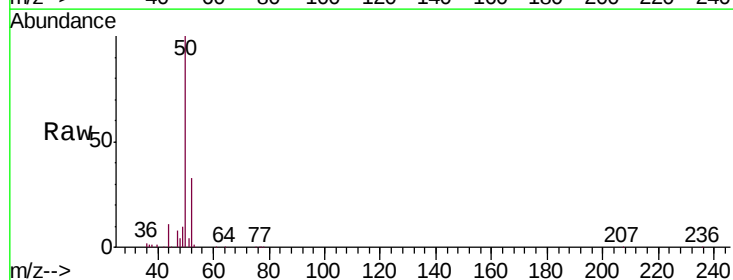
Acq: 23 May 2019 22:47

Tgt Ion: 50 Resp: 72857

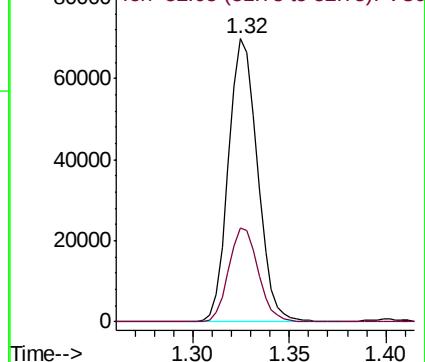
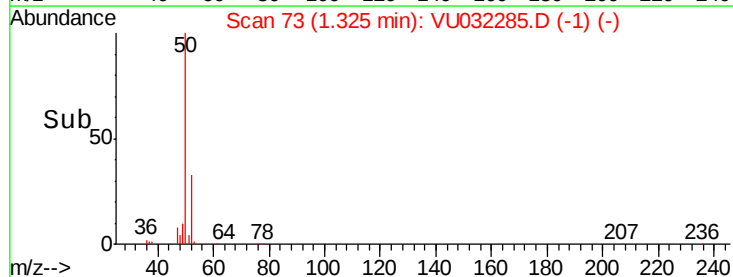
Ion Ratio Lower Upper

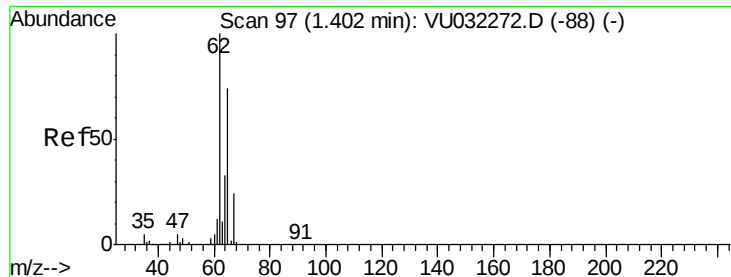
50 100

52 33.1 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU032285.D (-1) (-)





#5

Vinyl chloride

Concen: 5.025 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU032285.D

Acq: 23 May 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

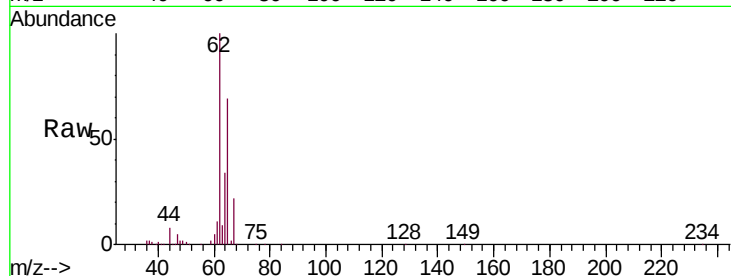
VSTD00515

Tgt Ion: 62 Resp: 77103

Ion Ratio Lower Upper

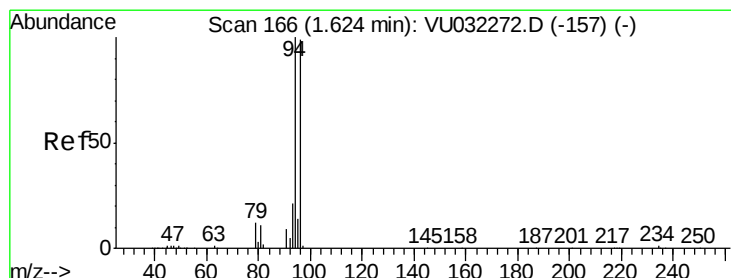
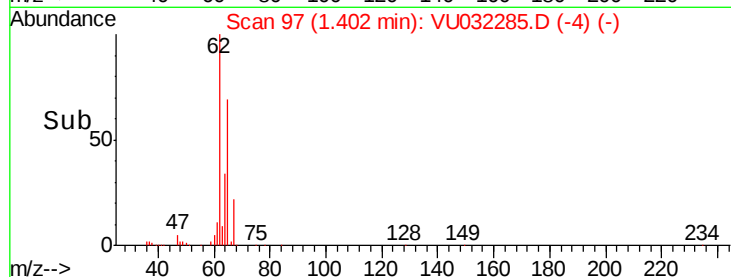
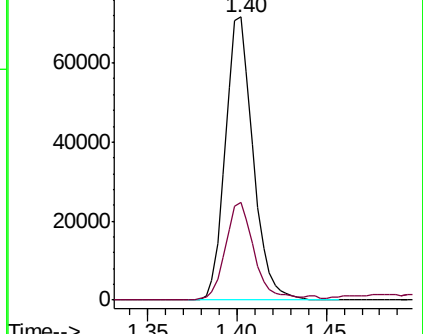
62 100

64 34.4 24.4 45.2



Abundance Ion 62.00 (61.70 to 62.70): VU032272.D (-88) (-)

Ion 64.10 (63.80 to 64.80): VU032285.D (-4) (-)



#6

Bromomethane

Concen: 5.118 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.01 min

Lab File: VU032285.D

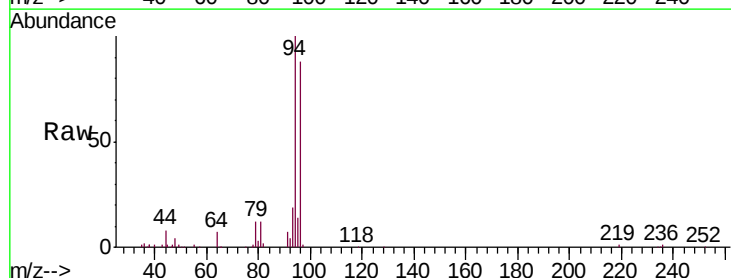
Acq: 23 May 2019 22:47

Tgt Ion: 94 Resp: 49762

Ion Ratio Lower Upper

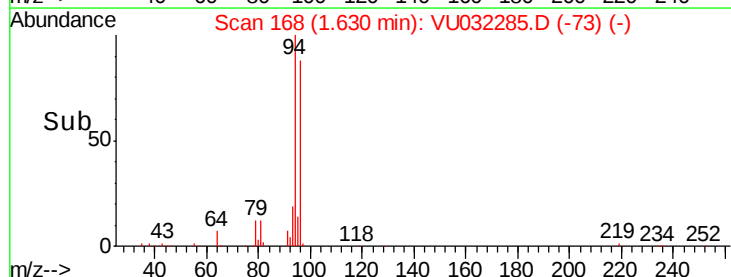
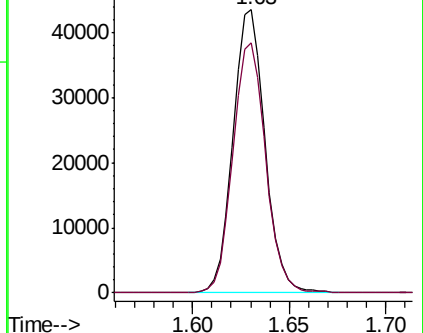
94 100

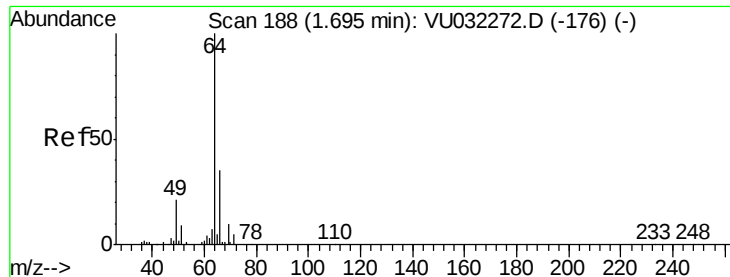
96 88.3 63.0 117.0



Abundance Ion 94.00 (93.70 to 94.70): VU032272.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU032285.D (-73) (-)

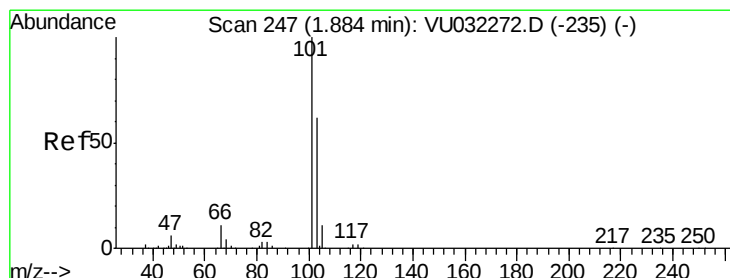
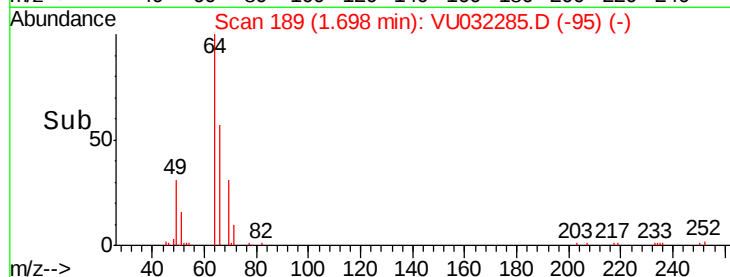
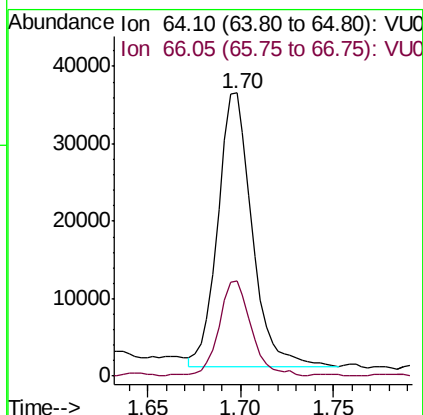
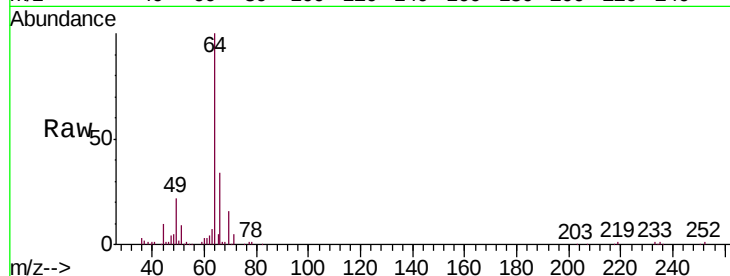




#8
Chloroethane
Concen: 4.636 ug/L
RT: 1.70 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU032285.D
Acq: 23 May 2019 22:47

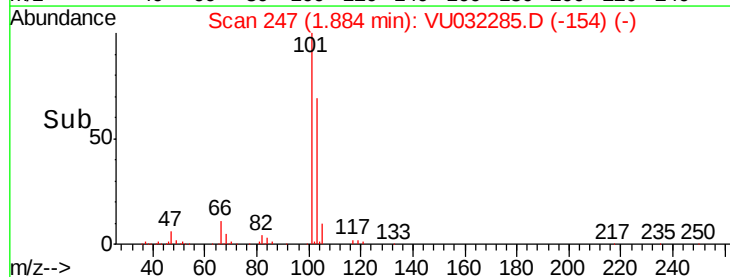
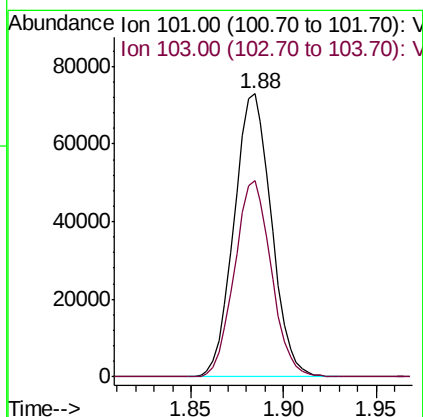
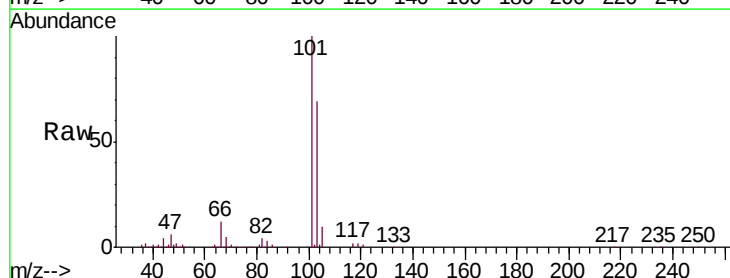
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

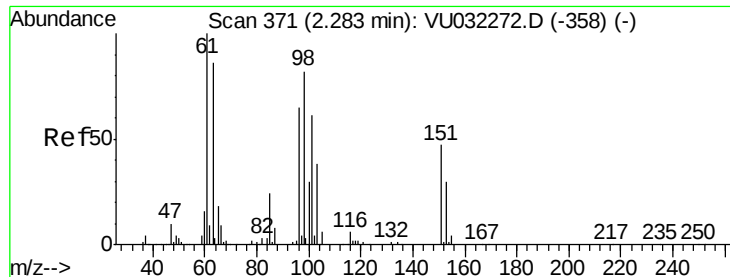
Tgt Ion: 64 Resp: 45165
Ion Ratio Lower Upper
64 100
66 33.7 23.1 42.9



#9
Trichlorofluoromethane
Concen: 5.123 ug/L
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU032285.D
Acq: 23 May 2019 22:47

Tgt Ion: 101 Resp: 101916
Ion Ratio Lower Upper
101 100
103 68.3 51.9 77.9





#10

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

Concen: 5.235 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU032285.D

Acq: 23 May 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

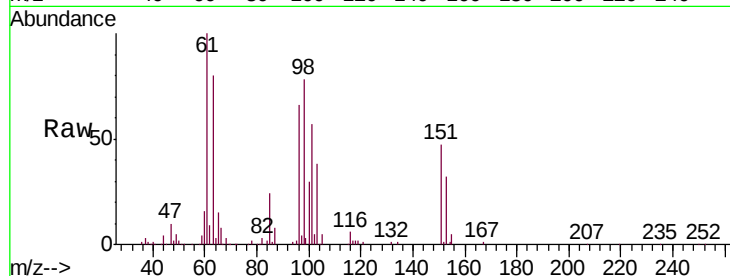
Tgt Ion:101 Resp: 65720

Ion Ratio Lower Upper

101 100

85 39.7 34.2 51.4

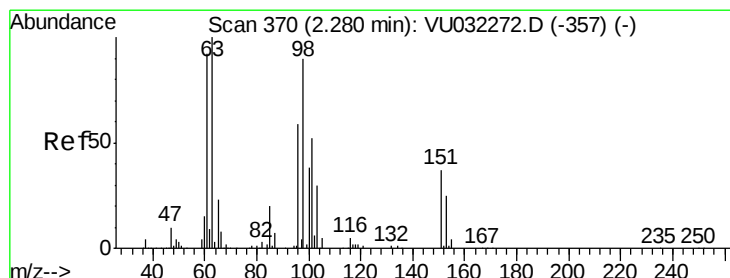
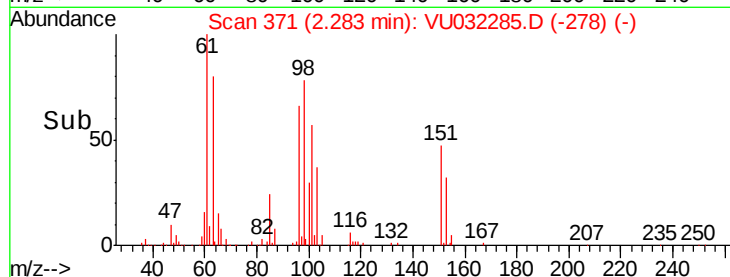
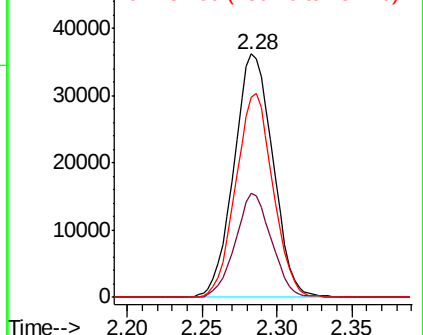
151 79.8 64.4 96.6



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: 5.216 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032285.D

Acq: 23 May 2019 22:47

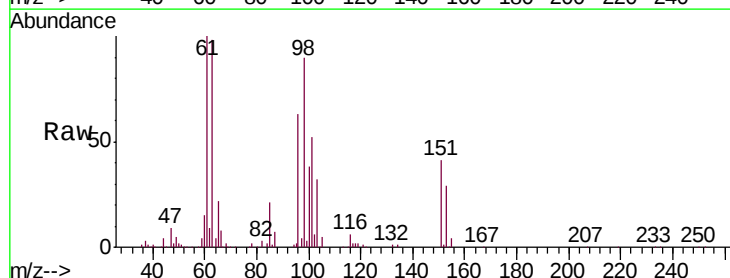
Tgt Ion: 96 Resp: 65812

Ion Ratio Lower Upper

96 100

61 157.6 113.8 211.3

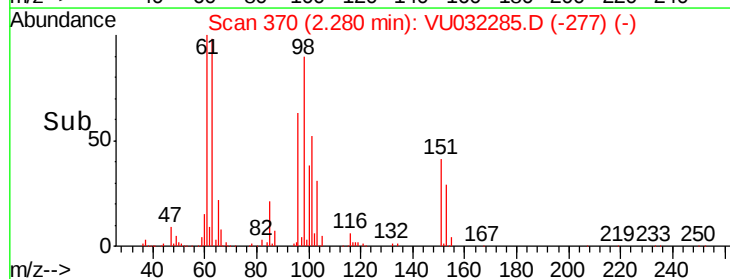
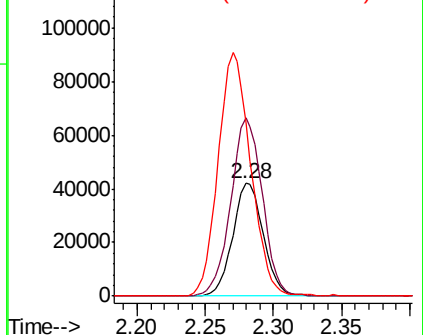
63 153.7 108.8 202.2

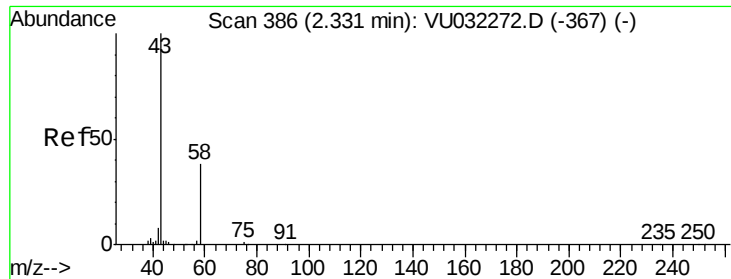


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 50.516 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.01 min

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ClientSampleId :

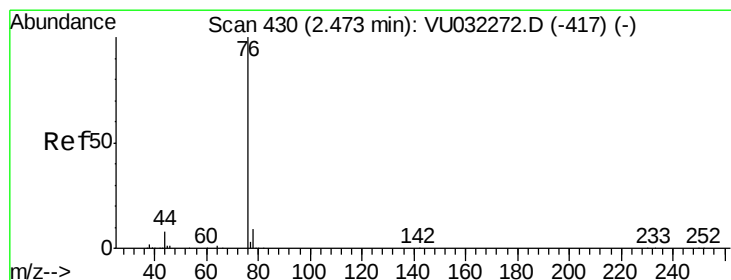
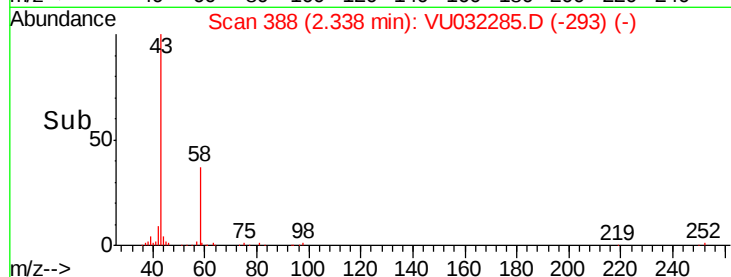
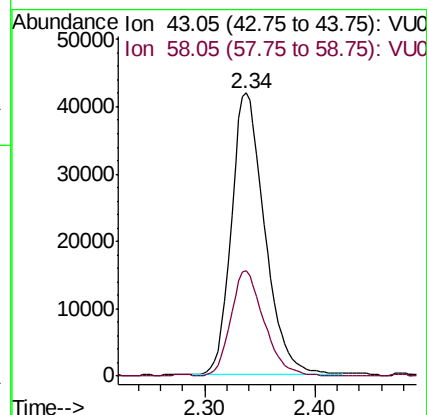
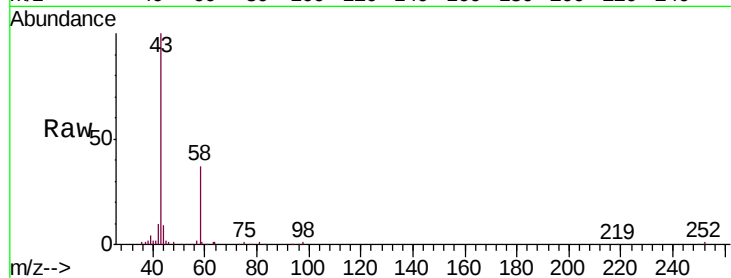
VSTD00515

Tgt Ion: 43 Resp: 87903

Ion Ratio Lower Upper

43 100

58 37.5 0.0 72.6



#14

Carbon disulfide

Concen: 4.905 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU032285.D

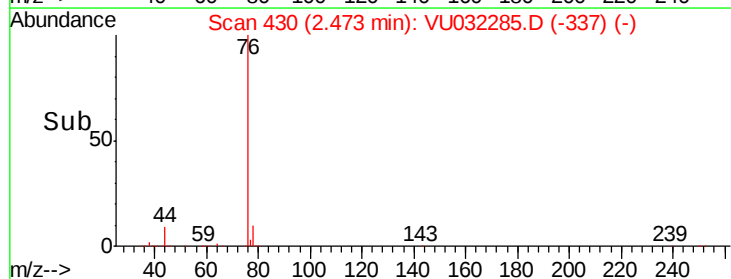
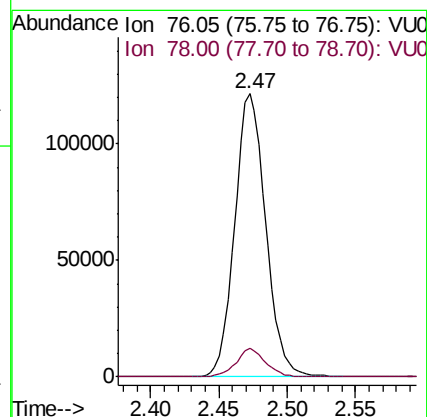
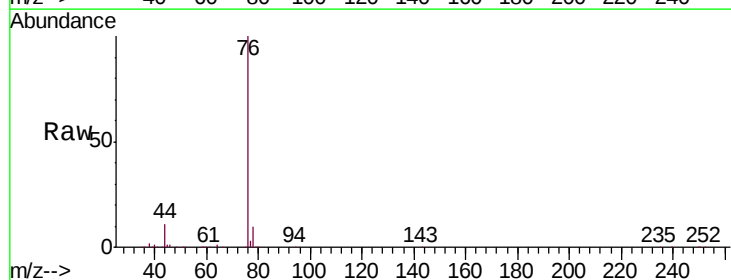
Acq: 23 May 2019 22:47

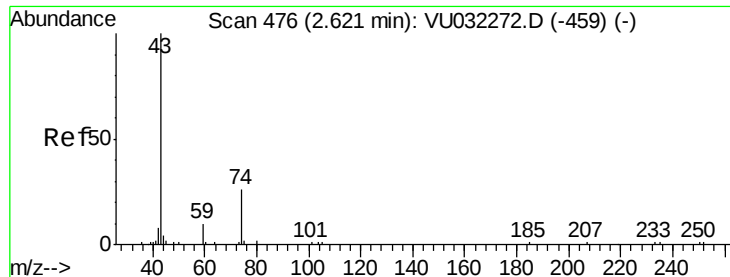
Tgt Ion: 76 Resp: 191775

Ion Ratio Lower Upper

76 100

78 10.1 7.5 11.3

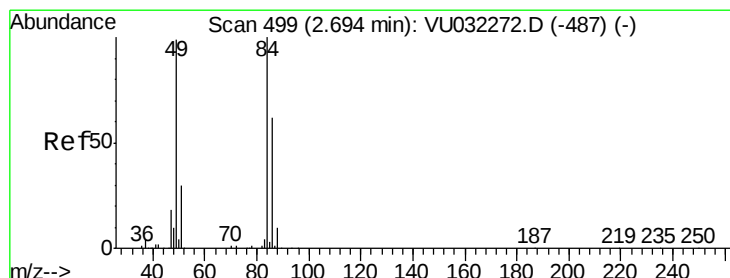
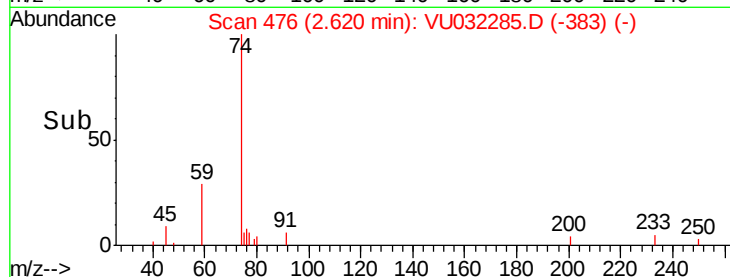
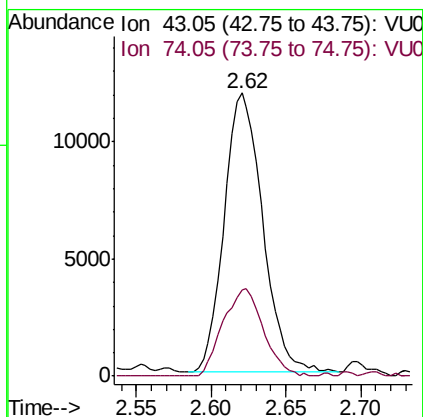
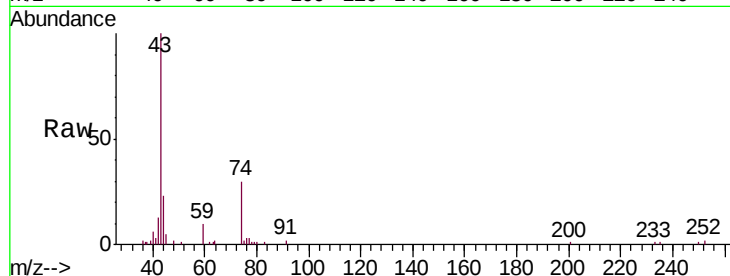




#15
Methyl Acetate
Concen: 4.193 ug/L
RT: 2.62 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU032285.D
Acq: 23 May 2019 22:47

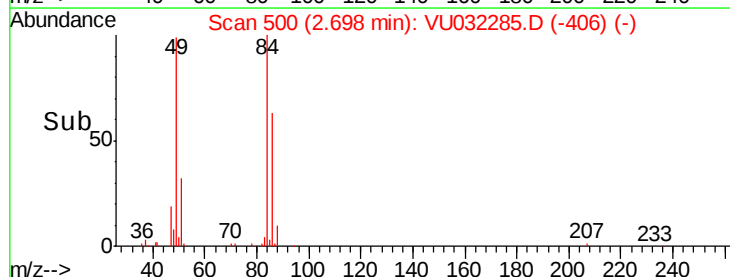
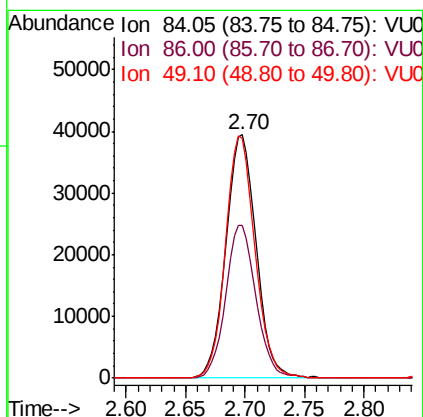
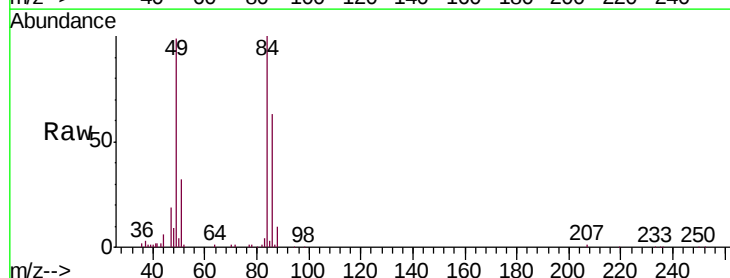
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

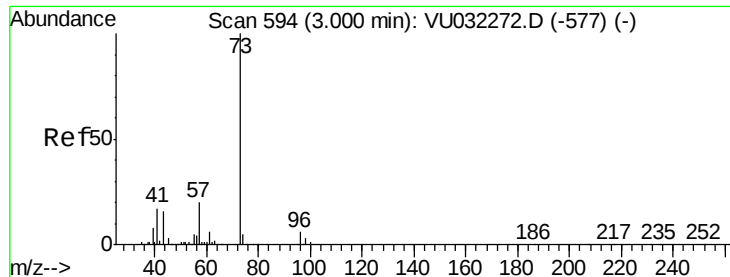
Tgt Ion: 43 Resp: 21407
Ion Ratio Lower Upper
43 100
74 32.8 27.3 40.9



#16
Methylene chloride
Concen: 4.134 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU032285.D
Acq: 23 May 2019 22:47

Tgt Ion: 84 Resp: 69583
Ion Ratio Lower Upper
84 100
86 62.5 43.6 81.0
49 98.6 71.1 132.1





#17

Methyl tert-butyl Ether

Concen: 5.262 ug/L

RT: 3.00 min Scan# 595

Delta R.T. 0.00 min

Lab File: VU032285.D

Acq: 23 May 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

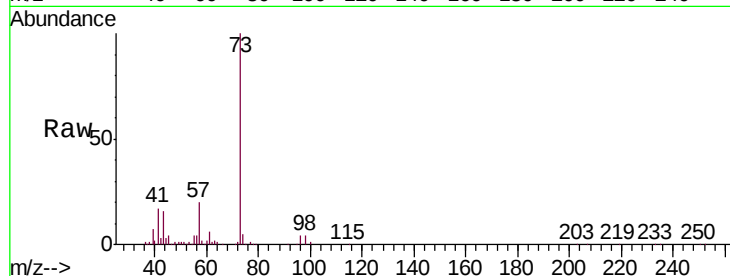
Tgt Ion: 73 Resp: 149696

Ion Ratio Lower Upper

73 100

43 16.3 13.8 20.6

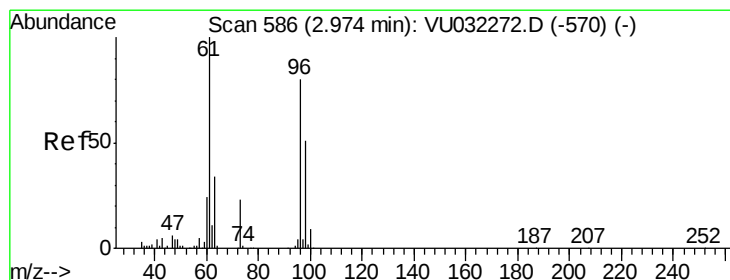
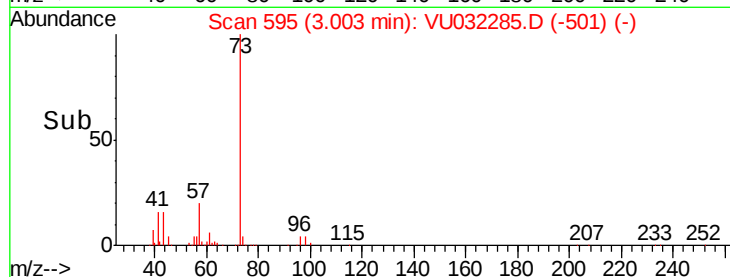
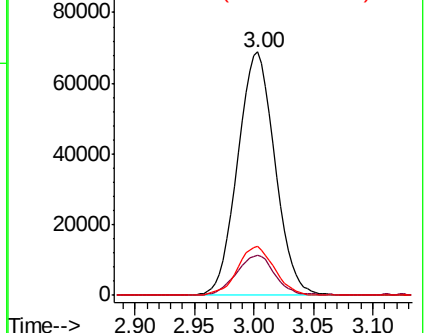
57 20.0 16.2 24.4



Abundance Ion 73.10 (72.80 to 73.80): VU032272.D (-577) (-)

Ion 43.05 (42.75 to 43.75): VU032272.D (-577) (-)

Ion 57.10 (56.80 to 57.80): VU032272.D (-577) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.016 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU032285.D

Acq: 23 May 2019 22:47

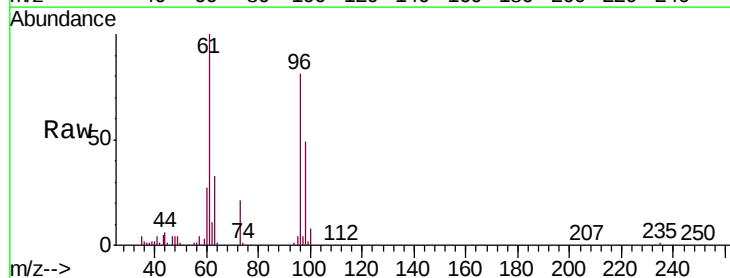
Tgt Ion: 96 Resp: 67934

Ion Ratio Lower Upper

96 100

61 123.7 90.6 168.3

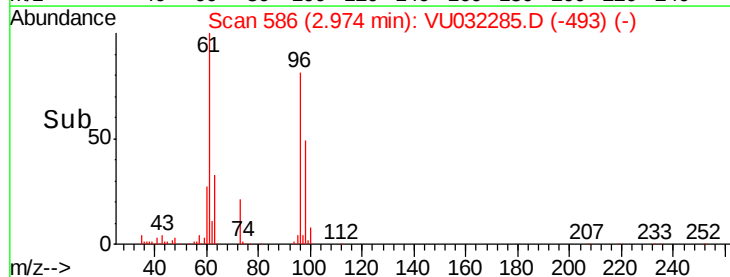
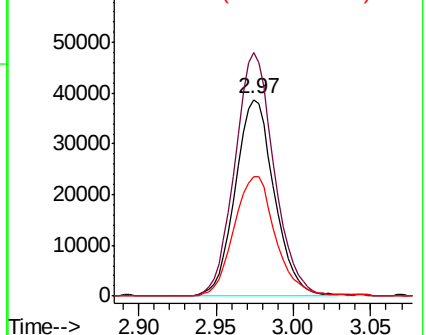
98 60.7 49.5 91.9

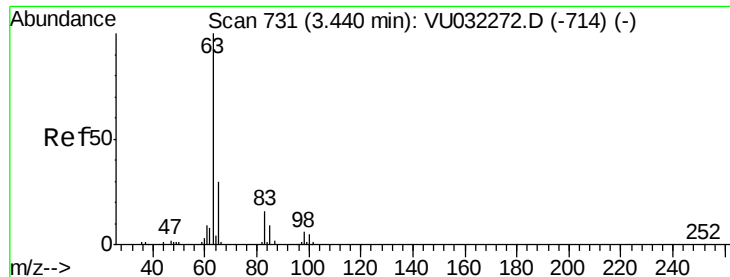


Abundance Ion 96.00 (95.70 to 96.70): VU032272.D (-570) (-)

Ion 61.05 (60.75 to 61.75): VU032272.D (-570) (-)

Ion 97.95 (97.65 to 98.65): VU032272.D (-570) (-)





#19

1,1-Dichloroethane

Concen: 5.104 ug/L

RT: 3.44 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU032285.D

Acq: 23 May 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

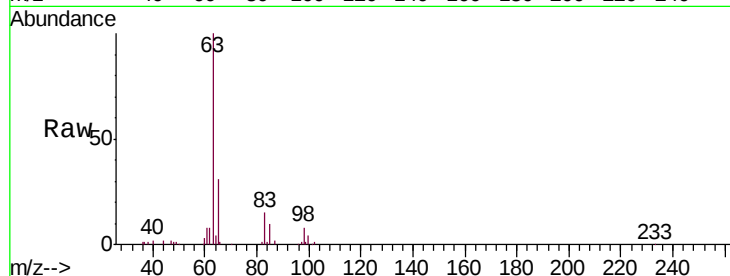
Tgt Ion: 63 Resp: 106753

Ion Ratio Lower Upper

63 100

65 31.1 23.5 43.7

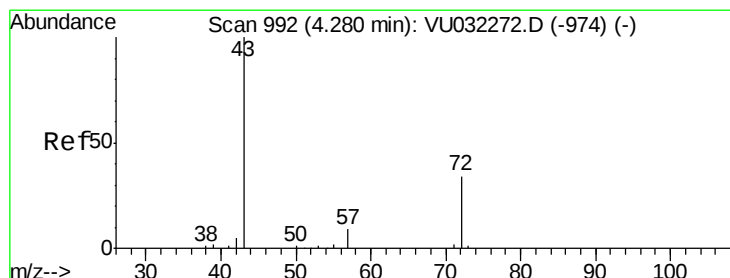
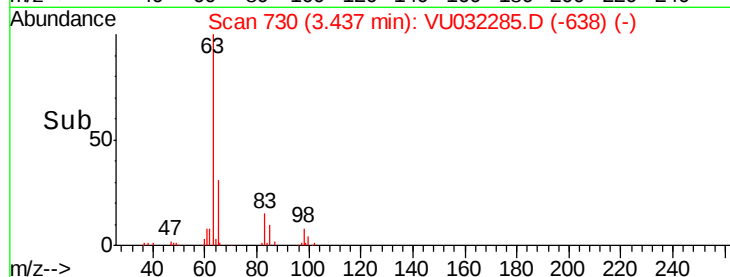
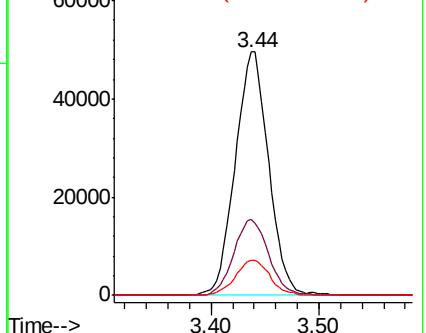
83 14.6 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU032285.D (-638) (-)

Ion 65.10 (64.80 to 65.80): VU032285.D (-638) (-)

Ion 83.05 (82.75 to 83.75): VU032285.D (-638) (-)



#21

2-Butanone

Concen: 50.025 ug/L

RT: 4.29 min Scan# 994

Delta R.T. 0.01 min

Lab File: VU032285.D

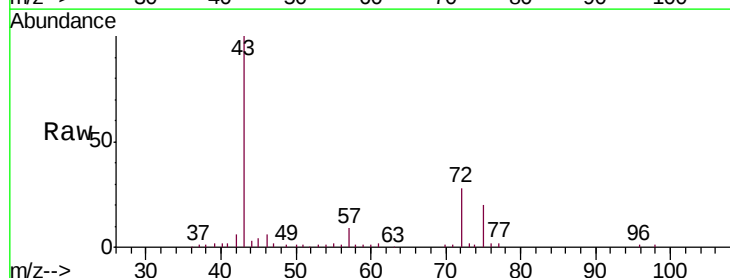
Acq: 23 May 2019 22:47

Tgt Ion: 43 Resp: 131324

Ion Ratio Lower Upper

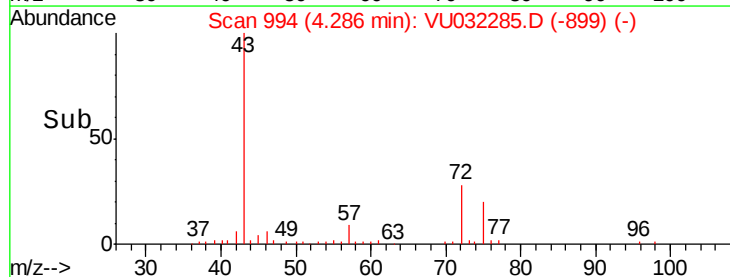
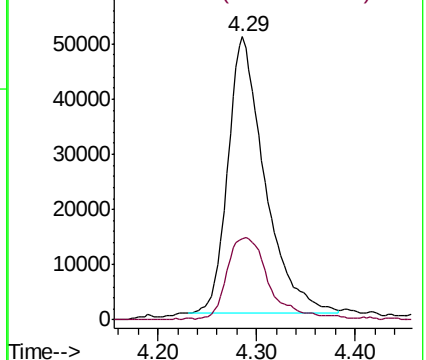
43 100

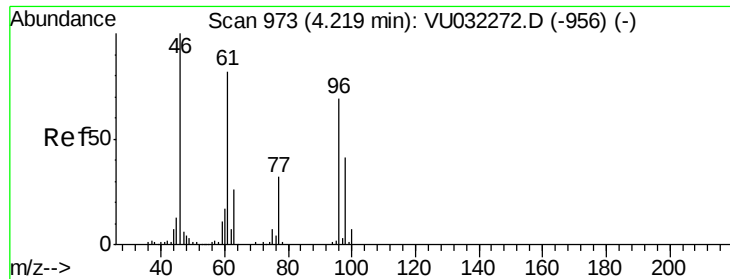
72 32.7 15.2 45.6



Abundance Ion 43.05 (42.75 to 43.75): VU032285.D (-899) (-)

Ion 72.10 (71.80 to 72.80): VU032285.D (-899) (-)



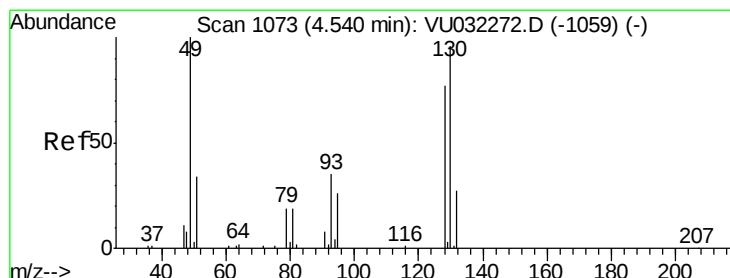
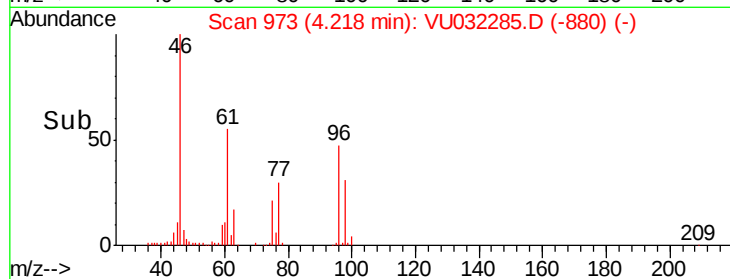
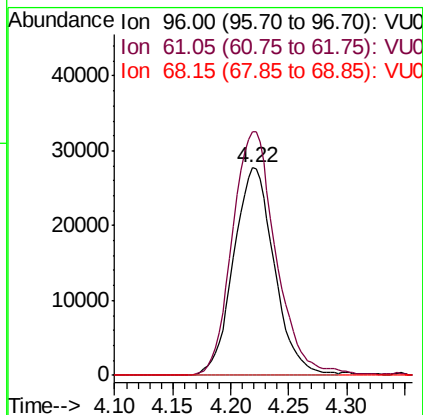
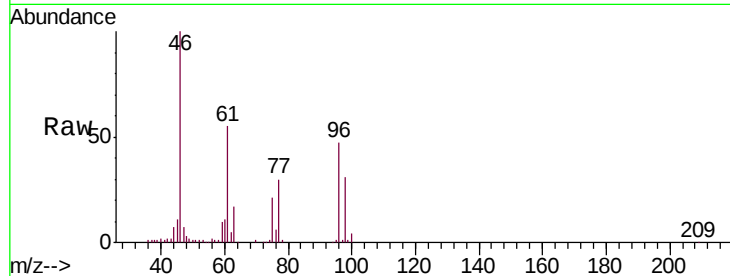


#22

cis-1,2-Dichloroethene
 Concen: 5.138 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU032285.D
 Acq: 23 May 2019 22:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

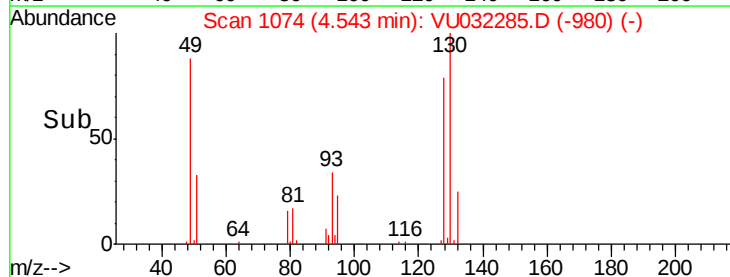
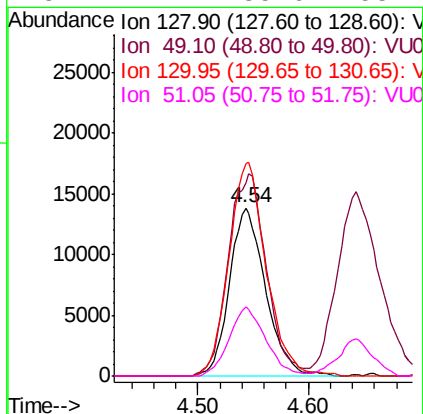
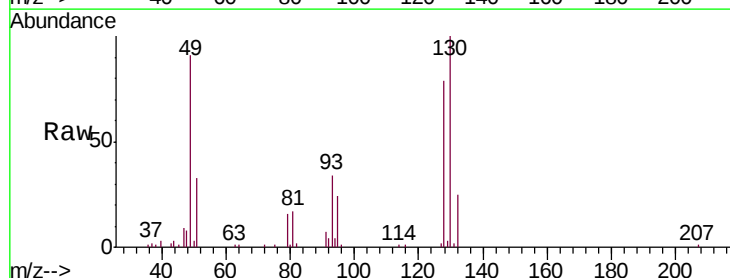
Tgt Ion: 96 Resp: 67927
 Ion Ratio Lower Upper
 96 100
 61 117.2 82.5 153.1
 68 0.0 0.0 0.0

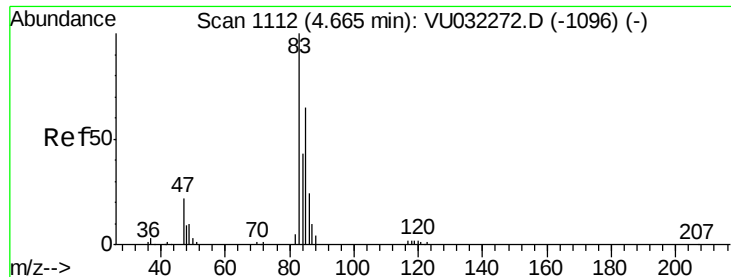


#23

Bromochloromethane
 Concen: 5.382 ug/L
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU032285.D
 Acq: 23 May 2019 22:47

Tgt Ion: 128 Resp: 31446
 Ion Ratio Lower Upper
 128 100
 49 114.5 93.9 174.3
 130 126.2 85.3 158.3
 51 41.2 35.6 53.4





#25

Chloroform

Concen: 5.195 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU032285.D

Acq: 23 May 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

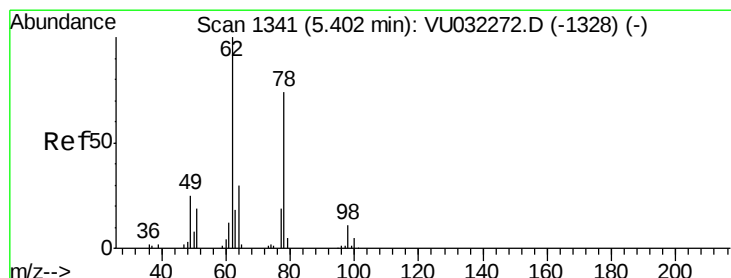
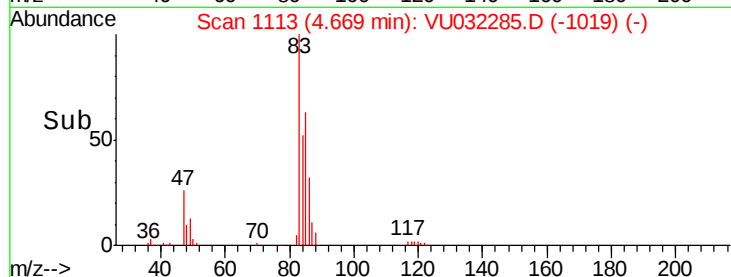
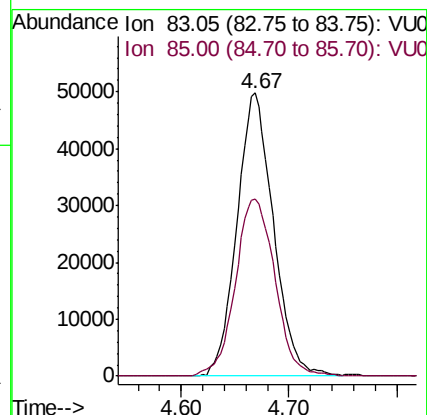
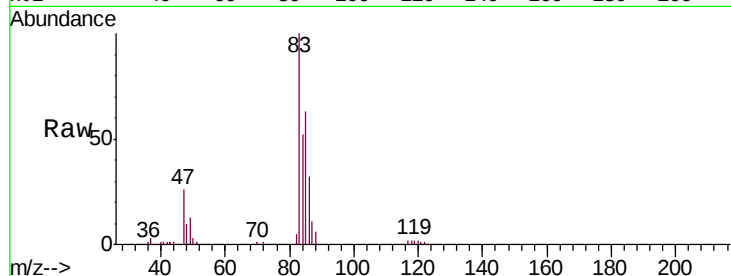
VSTD00515

Tgt Ion: 83 Resp: 117353

Ion Ratio Lower Upper

83 100

85 62.6 41.6 77.3



#27

1,2-Dichloroethane

Concen: 5.061 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU032285.D

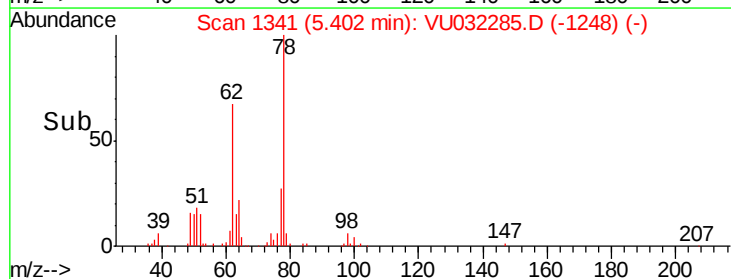
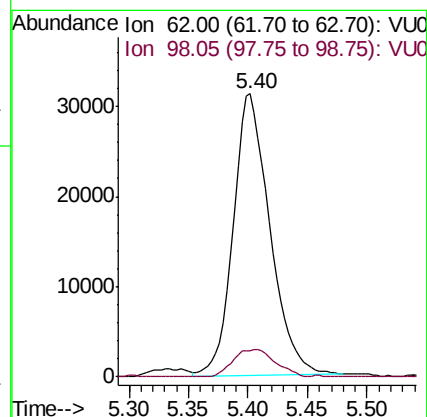
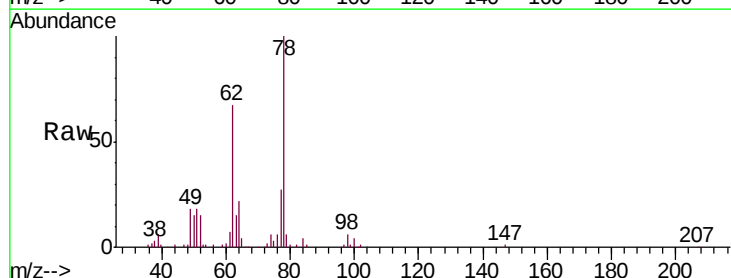
Acq: 23 May 2019 22:47

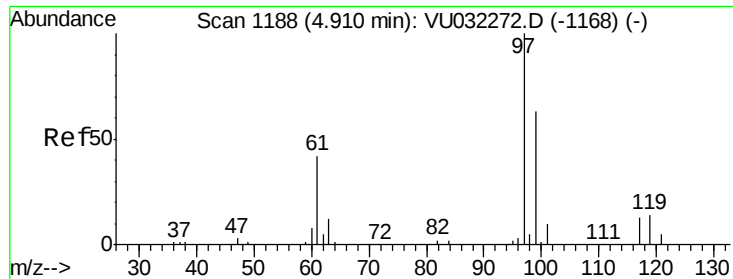
Tgt Ion: 62 Resp: 66539

Ion Ratio Lower Upper

62 100

98 9.2 8.2 12.2

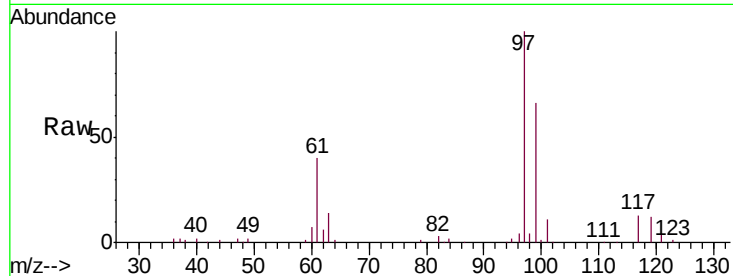




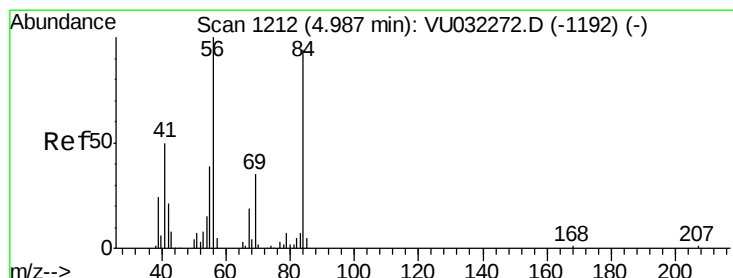
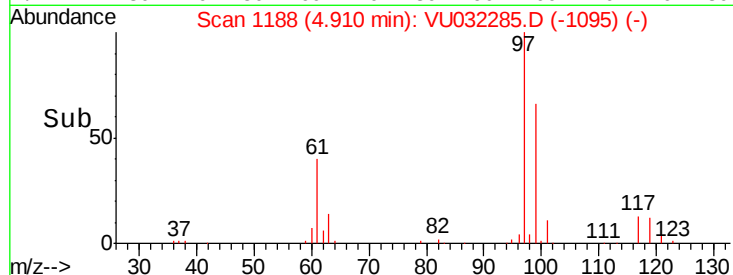
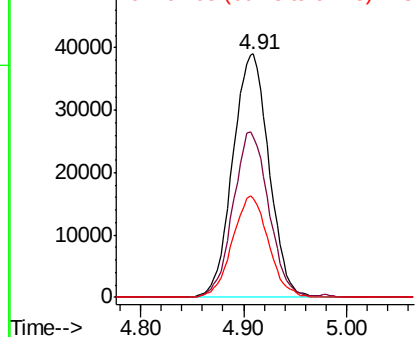
#29
 1,1,1-Trichloroethane
 Concen: 5.093 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU032285.D
 Acq: 23 May 2019 22:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tgt Ion: 97 Resp: 95216
 Ion Ratio Lower Upper
 97 100
 99 67.0 50.3 75.5
 61 41.4 34.1 51.1

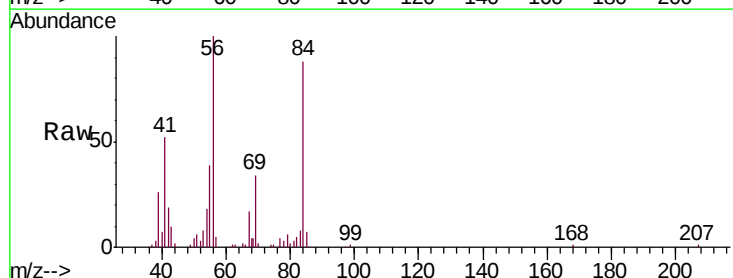


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

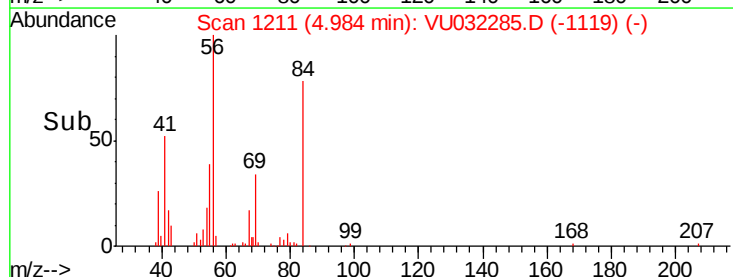
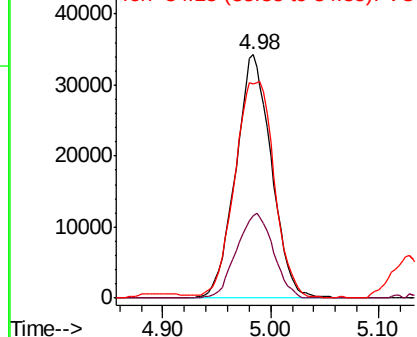


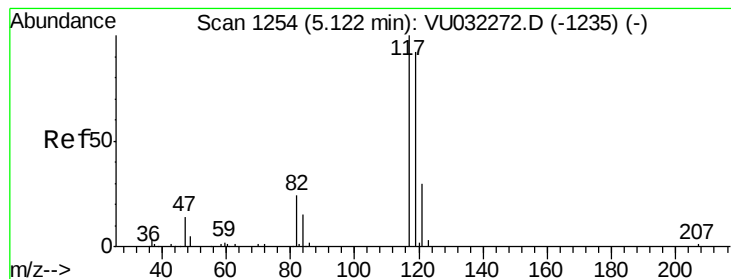
#30
 Cyclohexane
 Concen: 4.511 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: VU032285.D
 Acq: 23 May 2019 22:47

Tgt Ion: 56 Resp: 78834
 Ion Ratio Lower Upper
 56 100
 69 35.7 26.6 39.8
 84 99.3 75.0 112.6



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.036 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU032285.D

Acq: 23 May 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

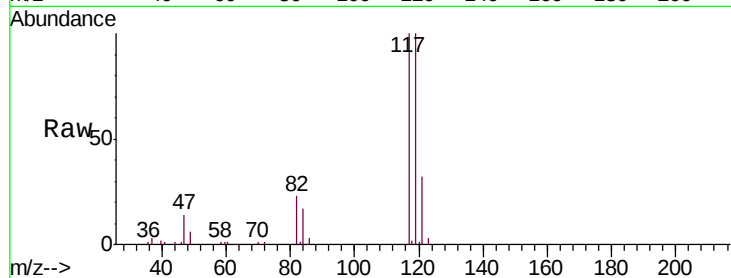
VSTD00515

Tgt Ion:117 Resp: 82928

Ion Ratio Lower Upper

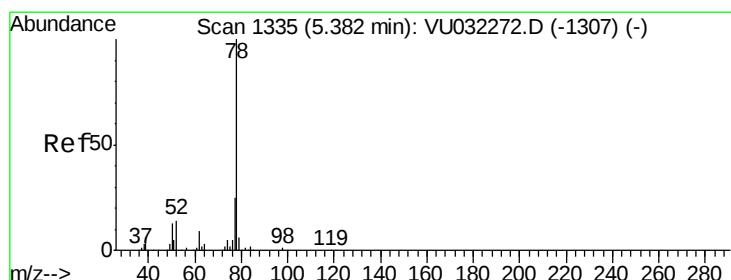
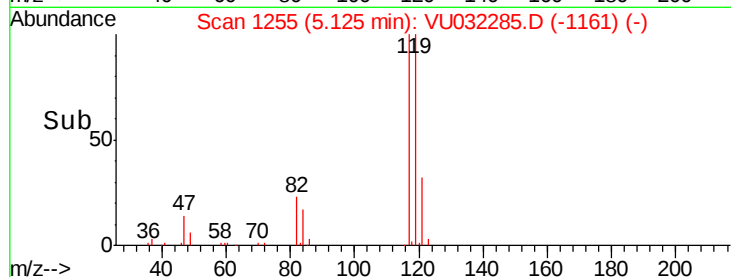
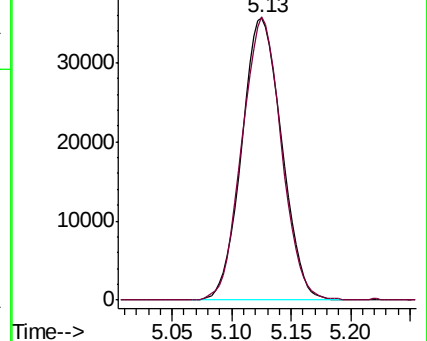
117 100

119 98.7 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.114 ug/L

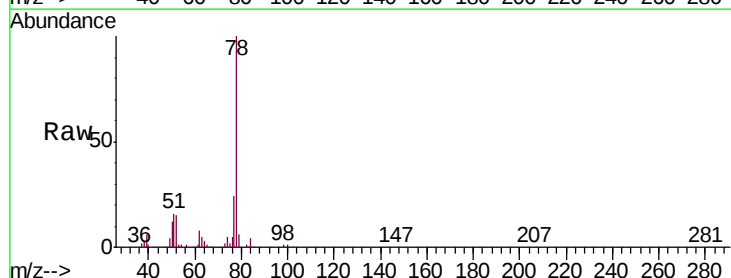
RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

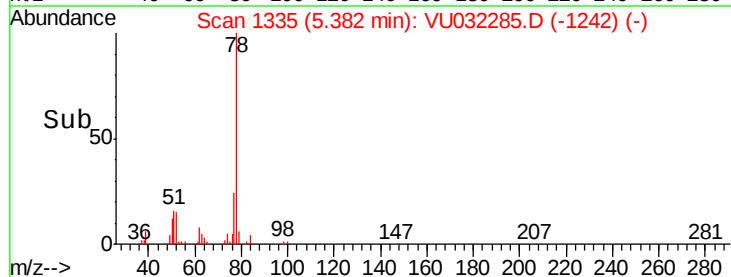
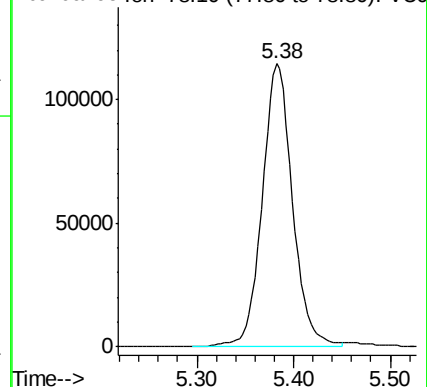
Lab File: VU032285.D

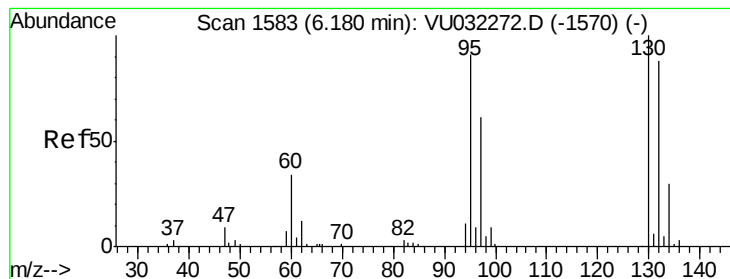
Acq: 23 May 2019 22:47

Tgt Ion: 78 Resp: 249164



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.970 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032285.D

Acq: 23 May 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

Tgt Ion: 95 Resp: 64982

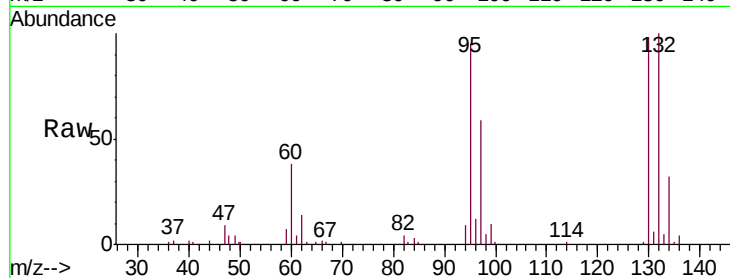
Ion Ratio Lower Upper

95 100

97 62.1 39.9 74.1

132 105.3 65.9 122.5

130 103.1 70.6 131.2

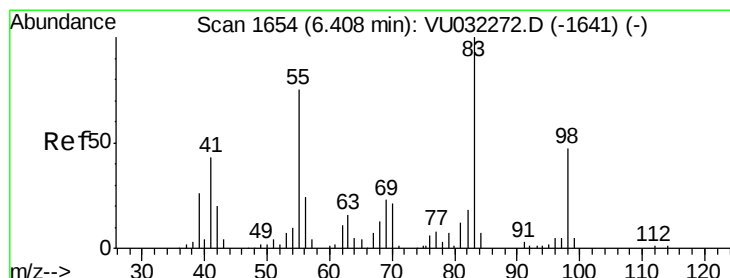
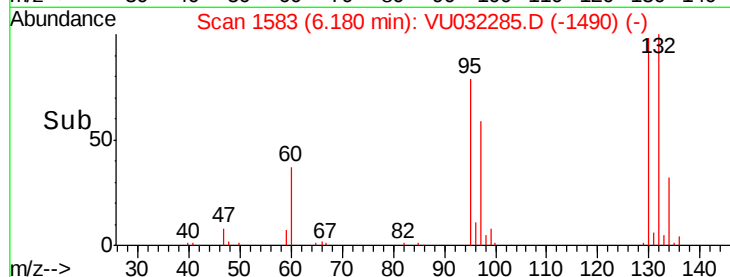
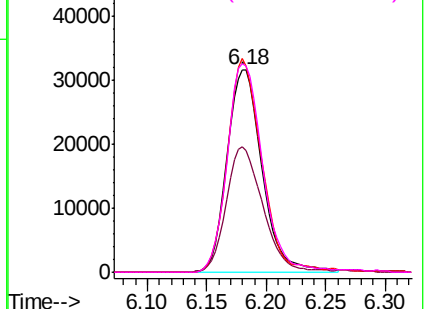


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.679 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU032285.D

Acq: 23 May 2019 22:47

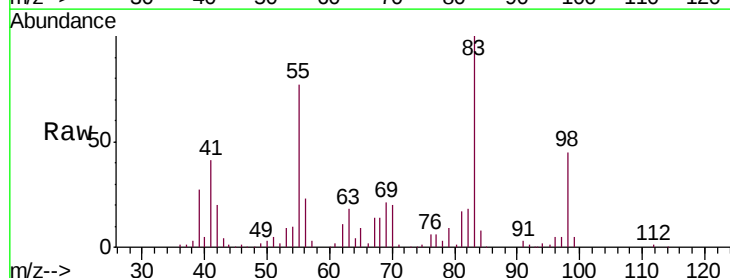
Tgt Ion: 83 Resp: 90114

Ion Ratio Lower Upper

83 100

55 75.0 59.7 89.5

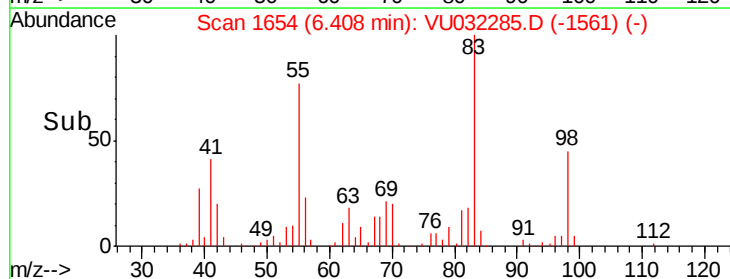
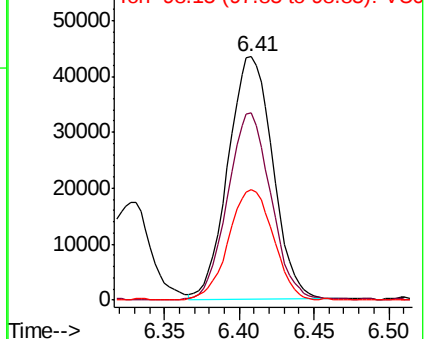
98 45.7 37.5 56.3

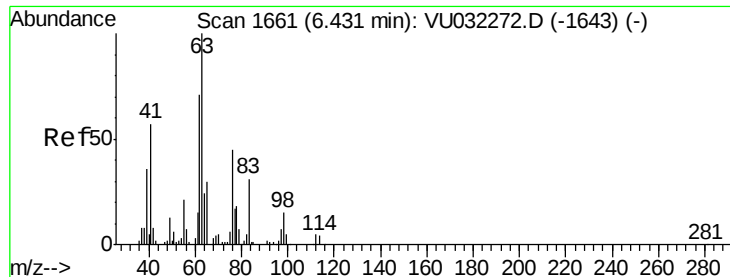


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

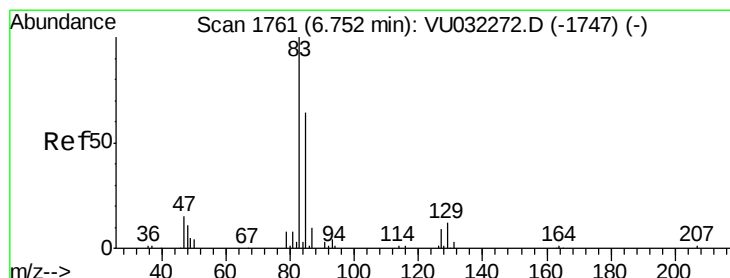
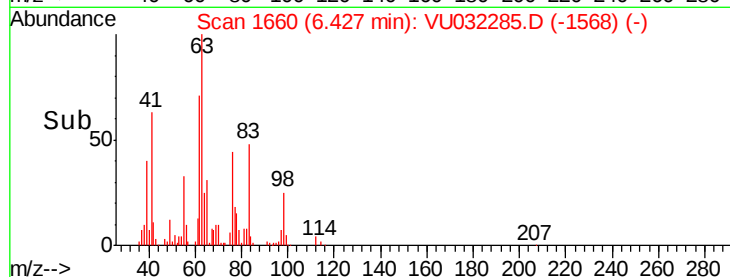
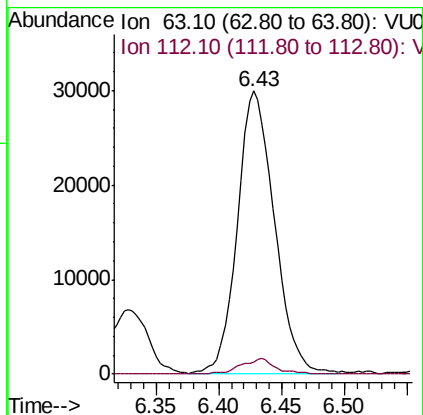
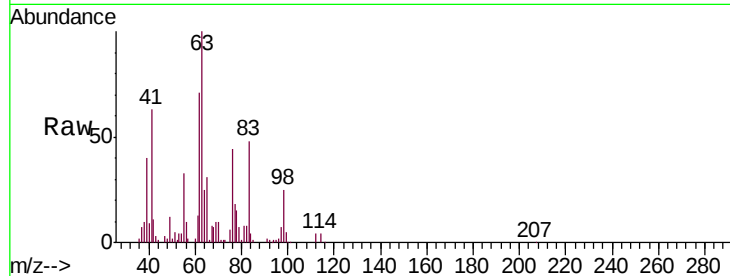




#37
 1,2-Dichloropropane
 Concen: 5.181 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU032285.D
 Acq: 23 May 2019 22:47

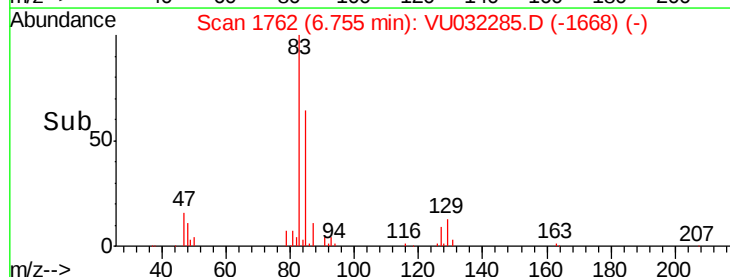
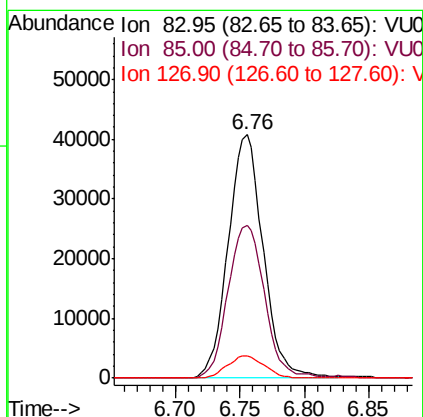
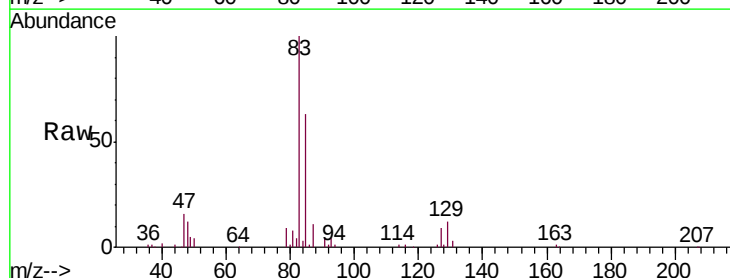
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

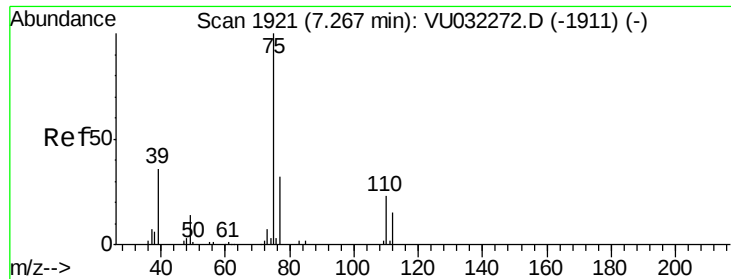
Tgt Ion: 63 Resp: 60768
 Ion Ratio Lower Upper
 63 100
 112 5.3 3.8 5.8



#38
 Bromodichloromethane
 Concen: 5.048 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU032285.D
 Acq: 23 May 2019 22:47

Tgt Ion: 83 Resp: 76953
 Ion Ratio Lower Upper
 83 100
 85 62.7 44.4 82.4
 127 9.2 7.0 10.6

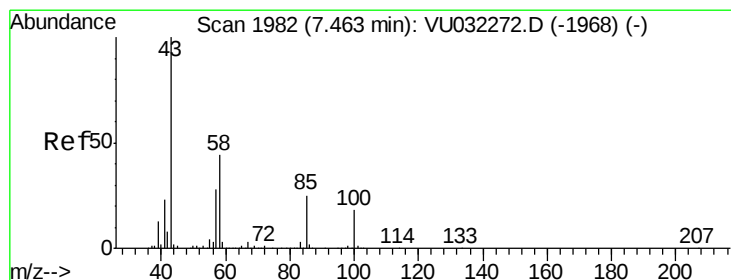
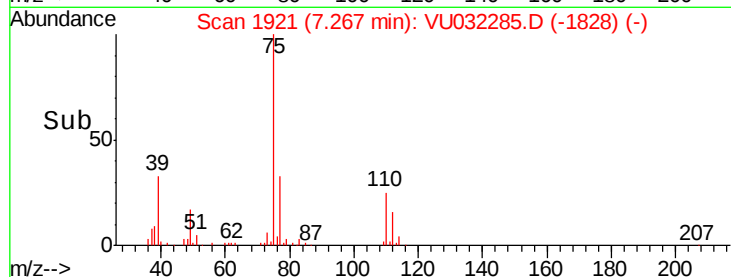
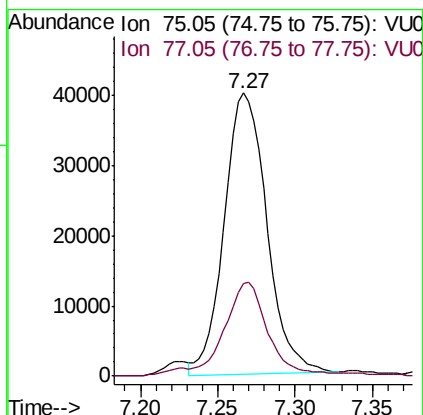
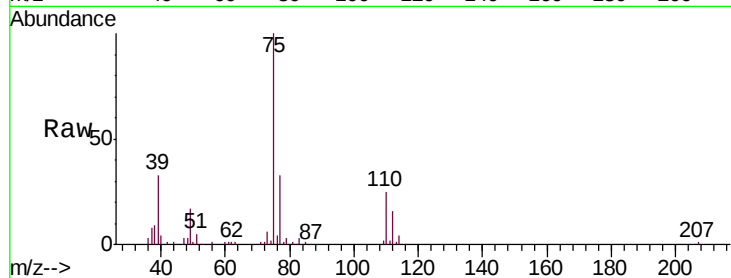




#39
 cis-1,3-Dichloropropene
 Concen: 4.582 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU032285.D
 Acq: 23 May 2019 22:47

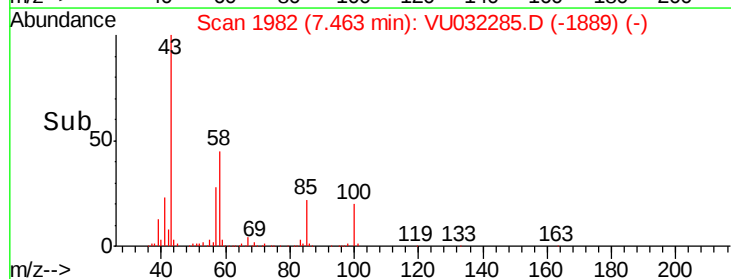
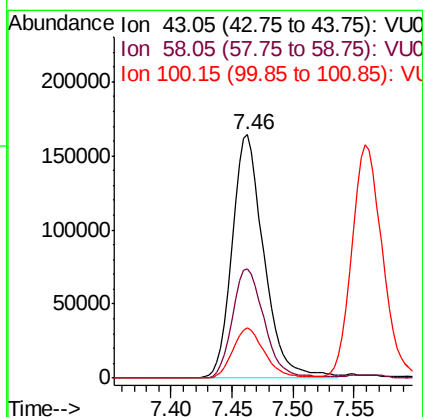
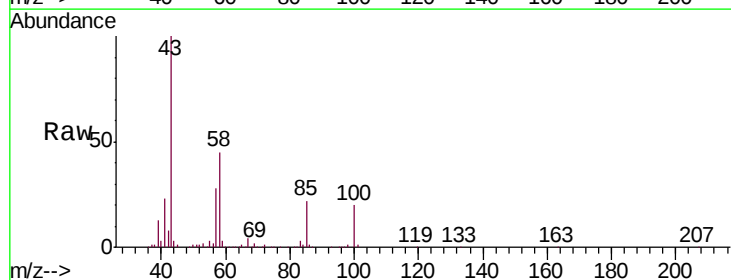
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

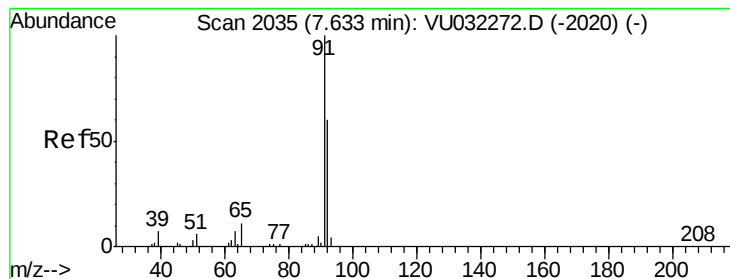
Tgt Ion: 75 Resp: 76537
 Ion Ratio Lower Upper
 75 100
 77 32.8 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 50.244 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: VU032285.D
 Acq: 23 May 2019 22:47

Tgt Ion: 43 Resp: 297918
 Ion Ratio Lower Upper
 43 100
 58 45.3 35.8 53.6
 100 20.5 14.6 22.0





#42

Toluene

Concen: 5.289 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU032285.D

Acq: 23 May 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

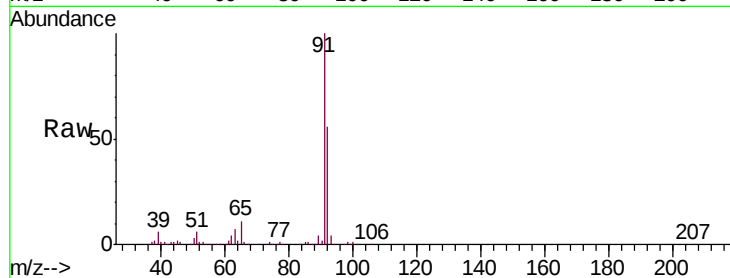
VSTD00515

Tgt Ion: 91 Resp: 273814

Ion Ratio Lower Upper

91 100

92 56.0 38.5 71.5



Abundance Ion 91.15 (90.85 to 91.85): VU032285.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU032285.D (-2020) (-)

7.63

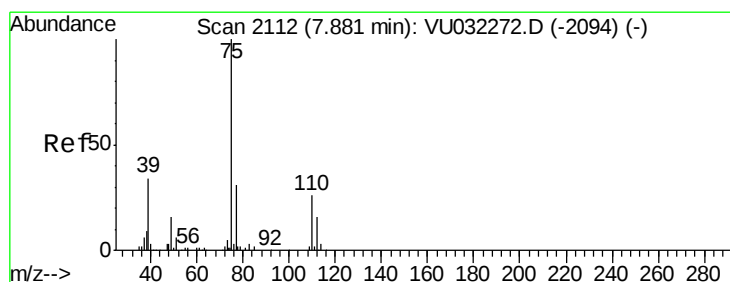
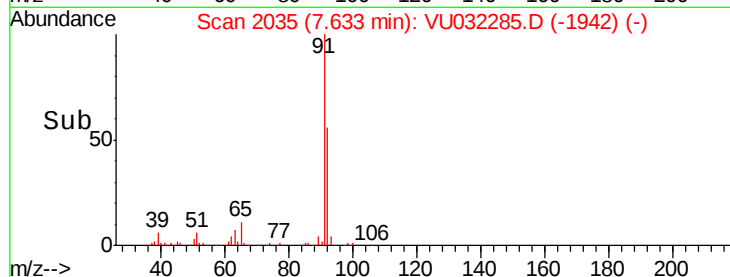
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.082 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VU032285.D

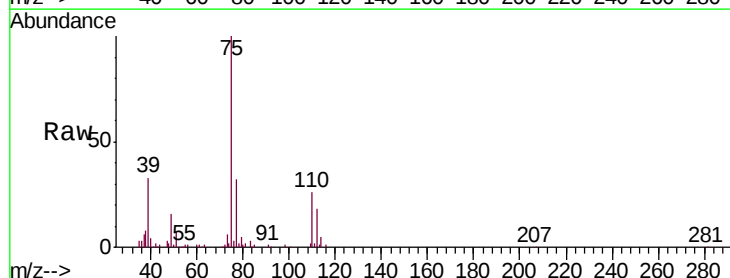
Acq: 23 May 2019 22:47

Tgt Ion: 75 Resp: 66693

Ion Ratio Lower Upper

75 100

77 31.9 22.5 41.9



Abundance Ion 75.05 (74.75 to 75.75): VU032285.D (-2094) (-)

Ion 77.05 (76.75 to 77.75): VU032285.D (-2094) (-)

7.88

40000

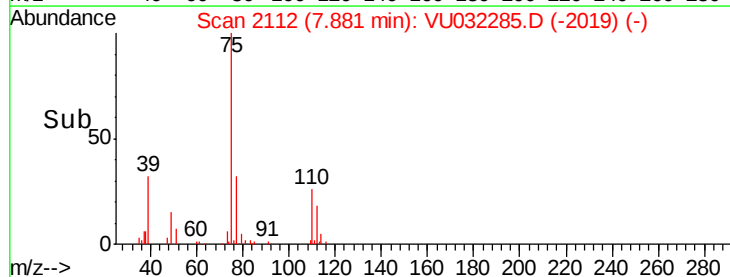
30000

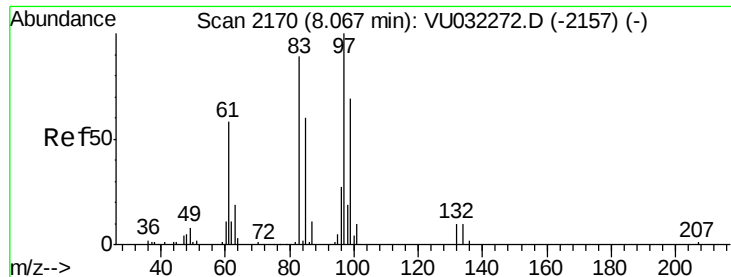
20000

10000

0

Time-->

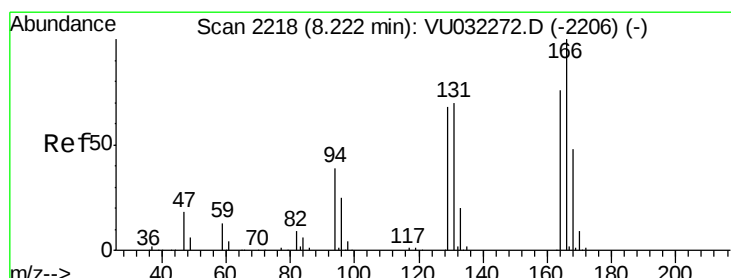
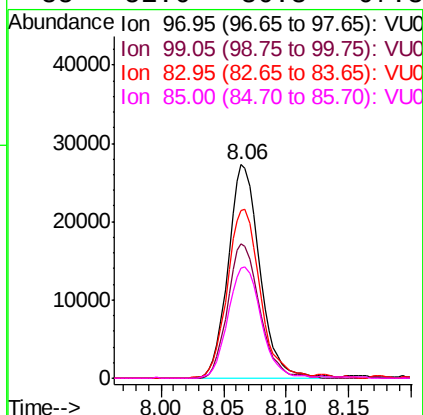
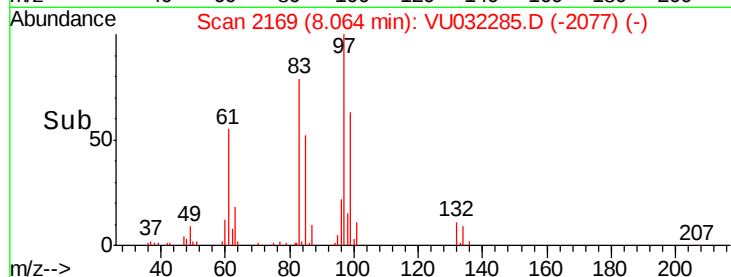
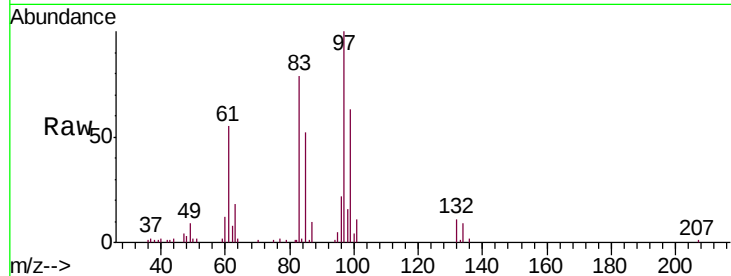




#45
 1,1,2-Trichloroethane
 Concen: 5.285 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU032285.D
 Acq: 23 May 2019 22:47

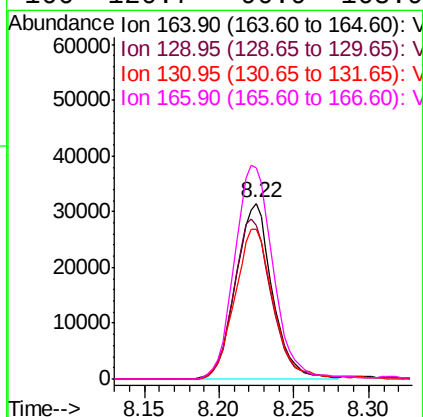
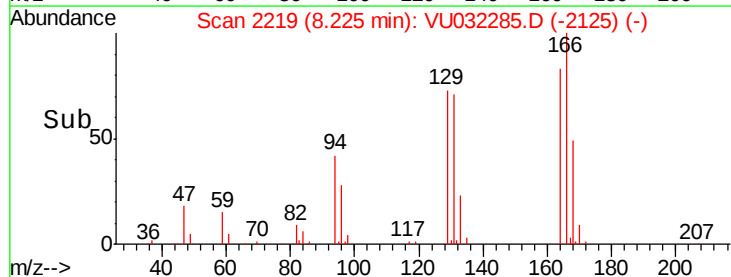
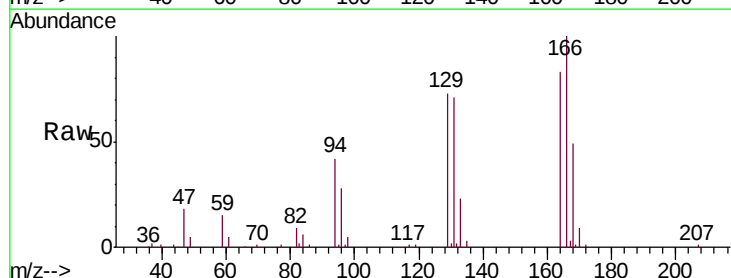
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

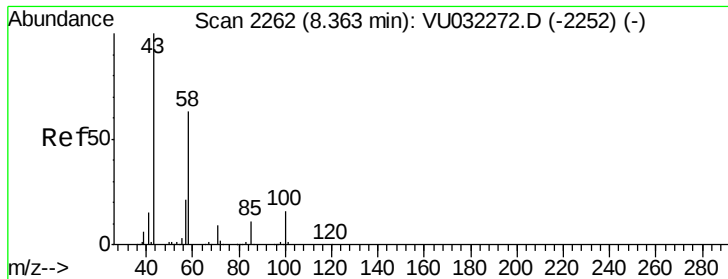
Tgt Ion:	97	Resp:	47872
Ion	Ratio	Lower	Upper
97	100		
99	63.2	44.2	82.0
83	78.7	60.5	112.3
85	51.6	36.3	67.3



#47
 Tetrachloroethene
 Concen: 4.965 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU032285.D
 Acq: 23 May 2019 22:47

Tgt Ion:	164	Resp:	53590
Ion	Ratio	Lower	Upper
164	100		
129	87.7	67.1	124.7
131	85.6	62.2	115.4
166	120.7	90.9	168.9

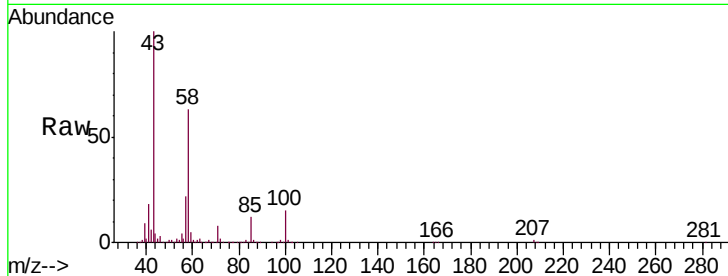




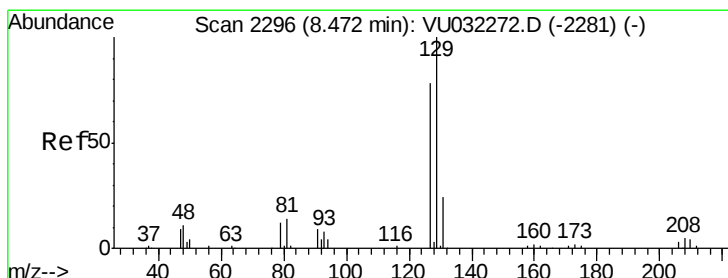
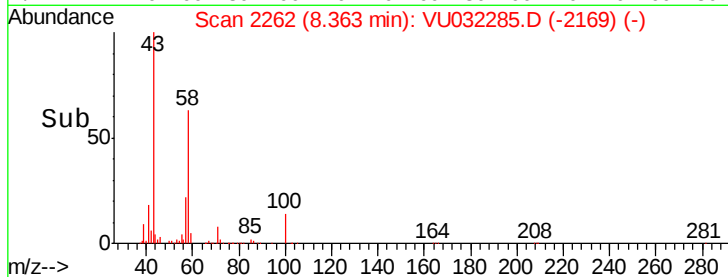
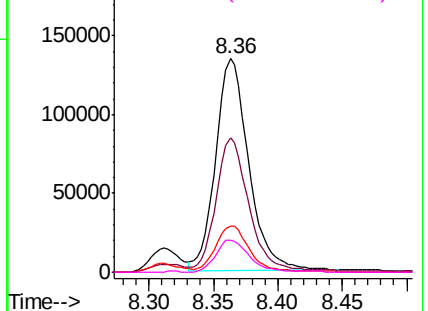
#48
2-Hexanone
Concen: 53.069 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VU032285.D
Acq: 23 May 2019 22:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Tgt Ion: 43 Resp: 241348
Ion Ratio Lower Upper
43 100
58 62.8 49.7 74.5
57 22.8 17.1 25.7
100 15.0 11.6 17.4

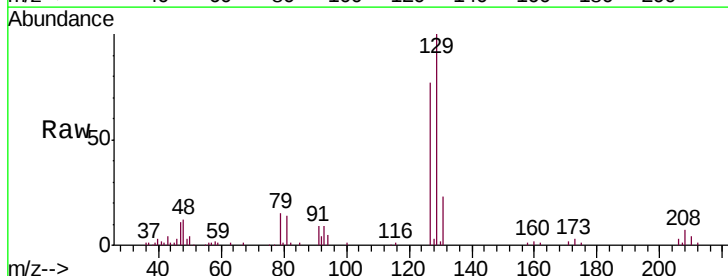


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

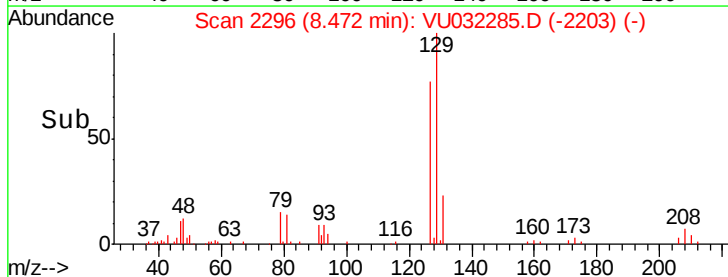
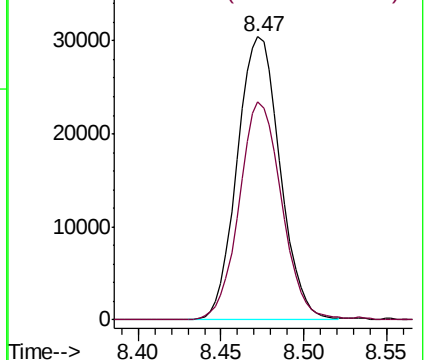


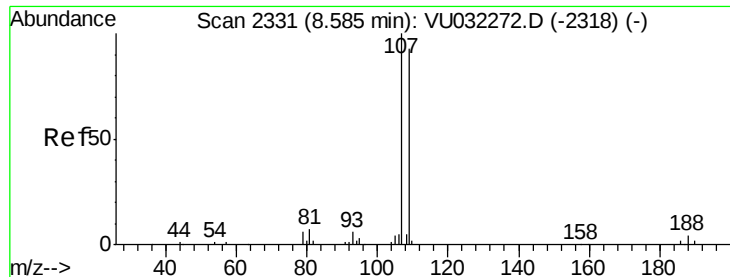
#49
Dibromochloromethane
Concen: 5.304 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU032285.D
Acq: 23 May 2019 22:47

Tgt Ion: 129 Resp: 54683
Ion Ratio Lower Upper
129 100
127 76.8 51.7 95.9



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

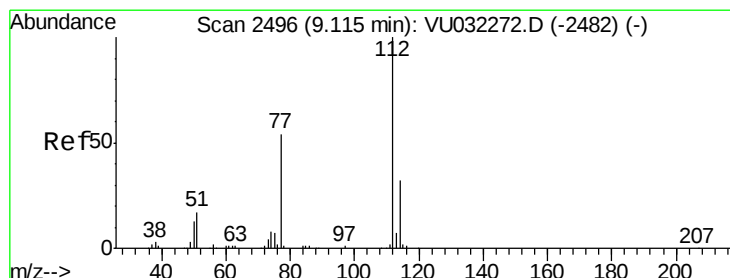
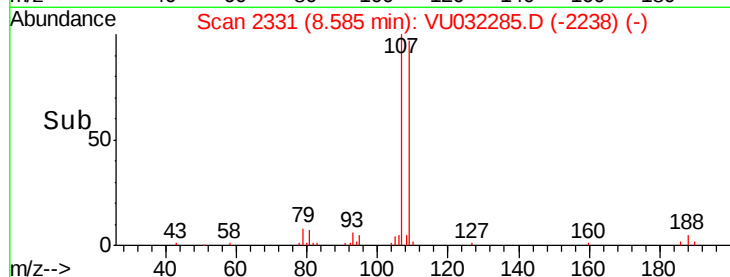
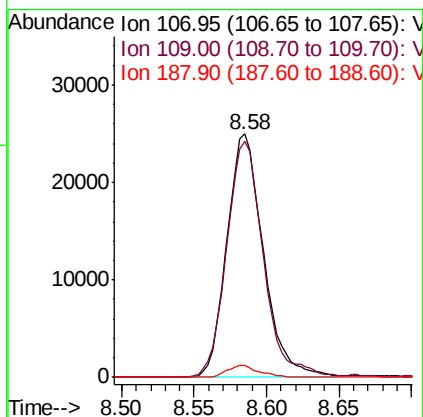
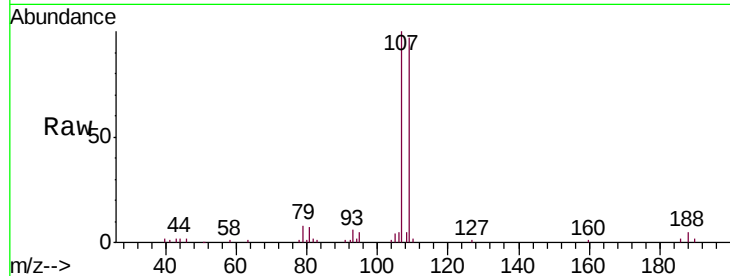




#50
1,2-Dibromoethane
Concen: 5.112 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU032285.D
Acq: 23 May 2019 22:47

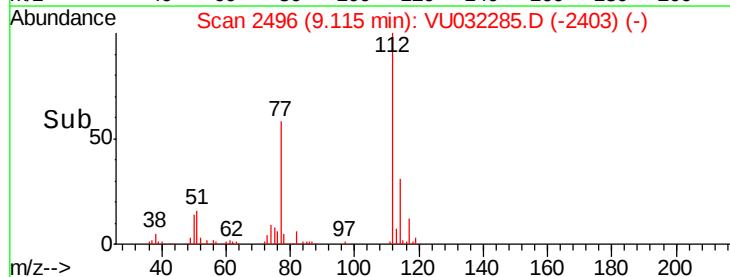
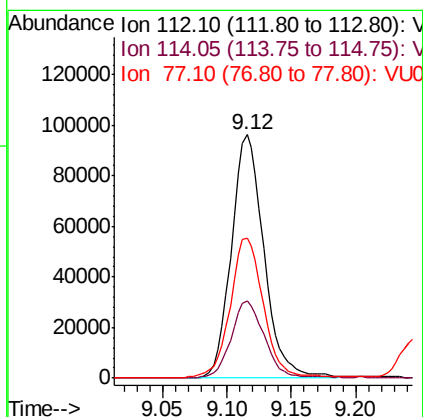
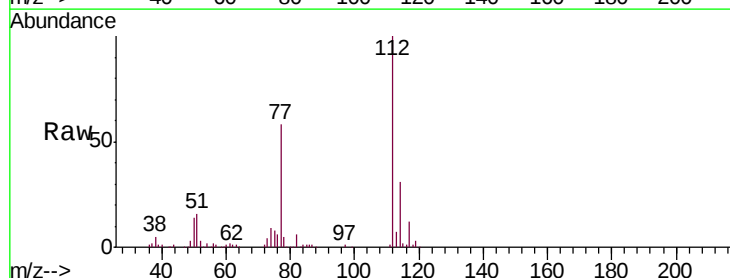
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

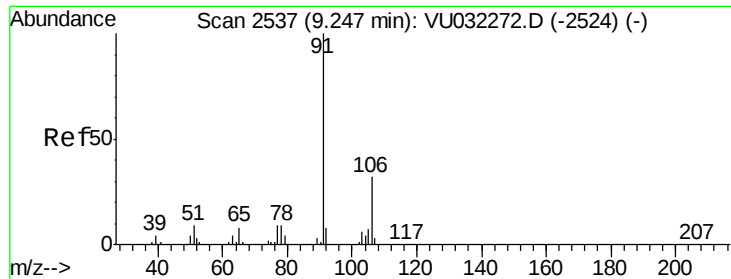
Tgt Ion:107 Resp: 43659
Ion Ratio Lower Upper
107 100
109 96.7 65.8 122.2
188 4.8 2.6 3.8#



#51
Chlorobenzene
Concen: 5.097 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU032285.D
Acq: 23 May 2019 22:47

Tgt Ion:112 Resp: 168884
Ion Ratio Lower Upper
112 100
114 31.5 22.6 42.0
77 57.5 46.8 70.2





#52

Ethylbenzene

Concen: 4.997 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU032285.D

Acq: 23 May 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

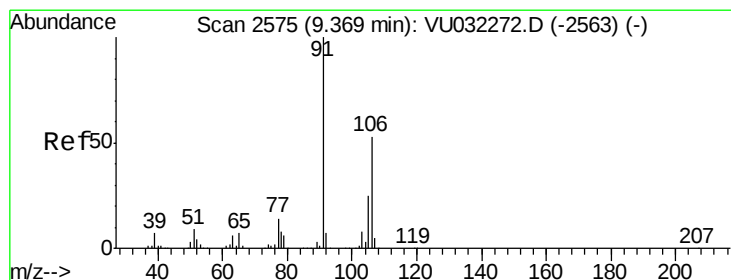
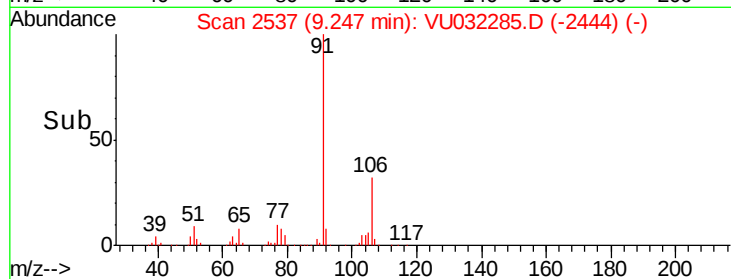
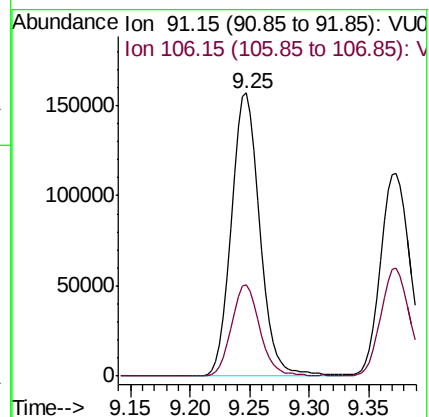
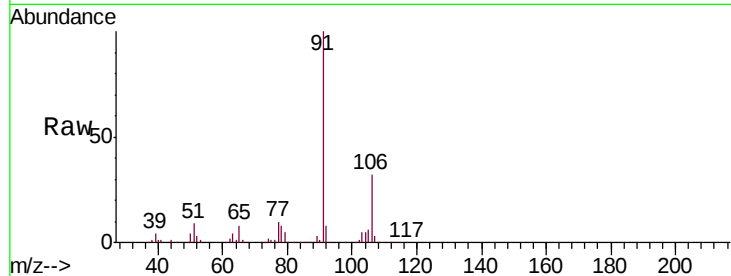
VSTD00515

Tgt Ion: 91 Resp: 260383

Ion Ratio Lower Upper

91 100

106 32.2 20.9 38.9



#53

m,p-Xylene

Concen: 5.233 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU032285.D

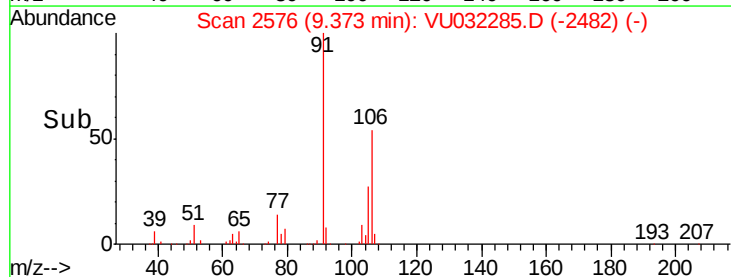
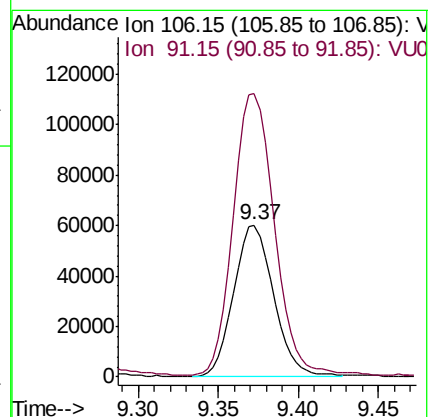
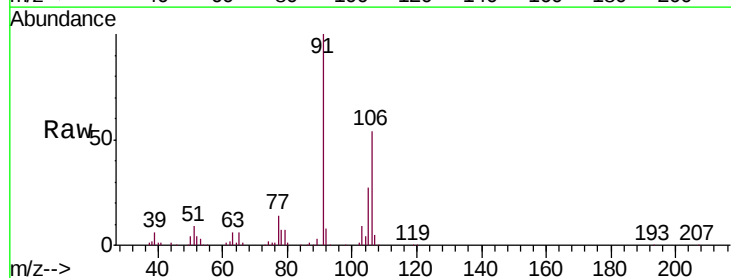
Acq: 23 May 2019 22:47

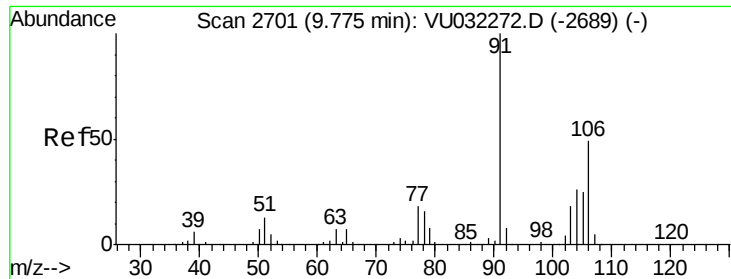
Tgt Ion: 106 Resp: 101408

Ion Ratio Lower Upper

106 100

91 186.4 143.9 267.2

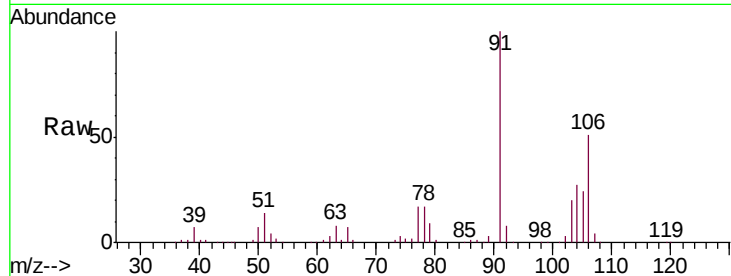




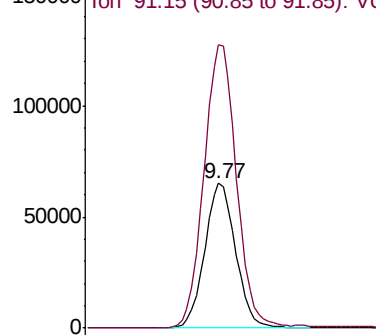
#54
o-Xylene
Concen: 5.170 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU032285.D
Acq: 23 May 2019 22:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

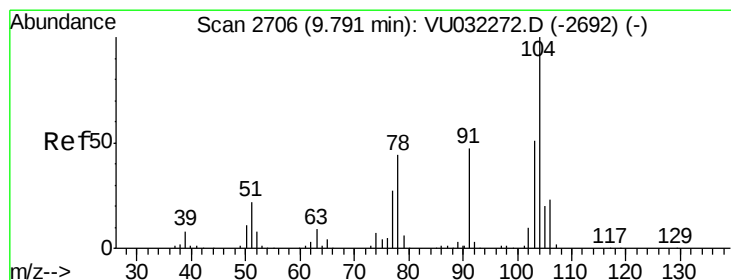
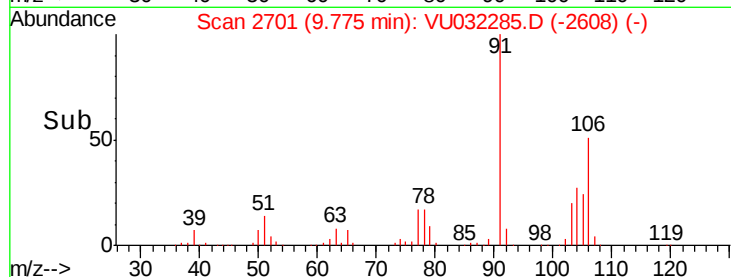
Tgt Ion:106 Resp: 100104
Ion Ratio Lower Upper
106 100
91 195.5 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

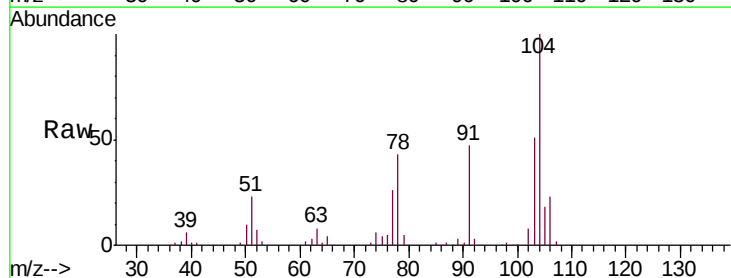


Time-->

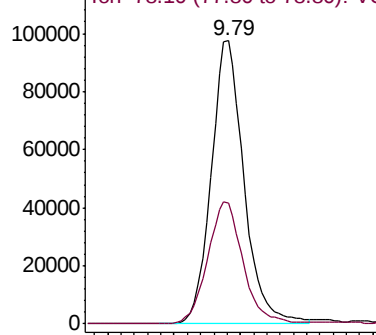


#55
Styrene
Concen: 5.166 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. -0.00 min
Lab File: VU032285.D
Acq: 23 May 2019 22:47

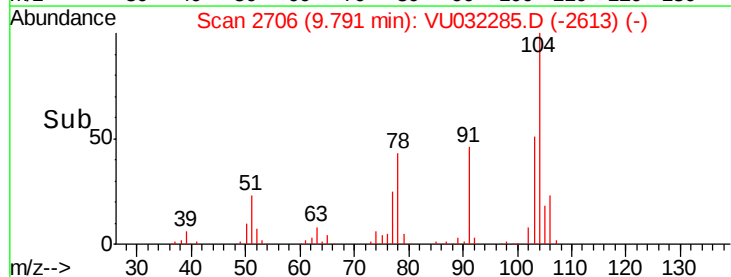
Tgt Ion:104 Resp: 167364
Ion Ratio Lower Upper
104 100
78 42.7 30.3 56.3

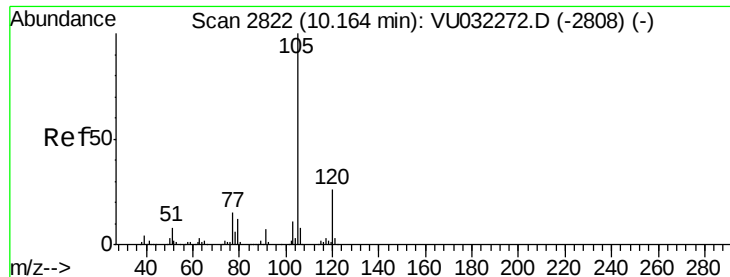


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0



Time-->





#56

Isopropylbenzene

Concen: 5.118 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU032285.D

Acq: 23 May 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

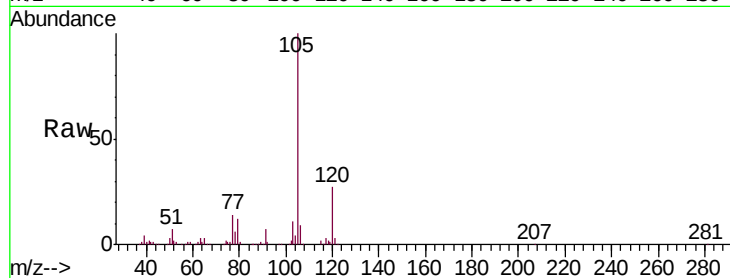
Tgt Ion: 105 Resp: 250541

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.6

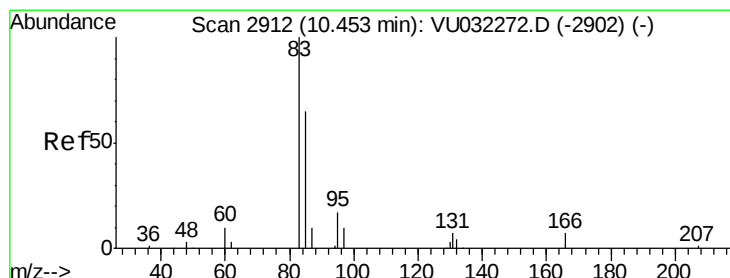
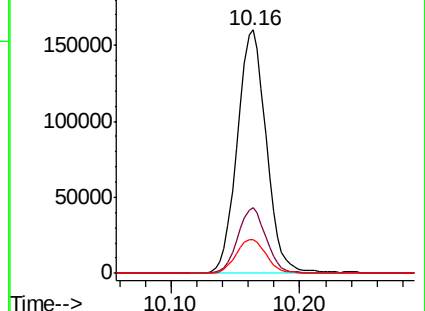
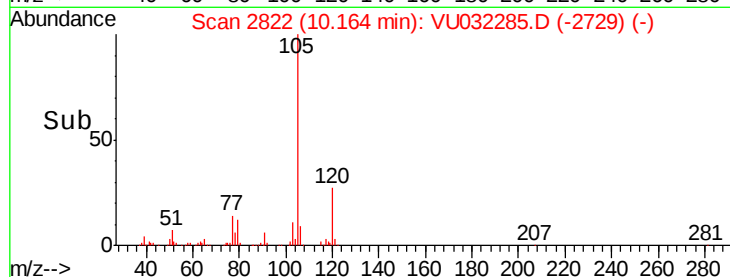
77 14.7 11.9 17.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.066 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU032285.D

Acq: 23 May 2019 22:47

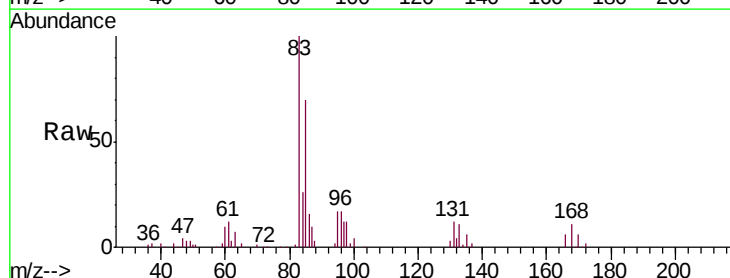
Tgt Ion: 83 Resp: 55277

Ion Ratio Lower Upper

83 100

85 69.9 46.5 86.3

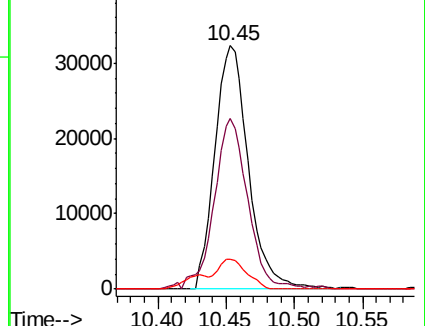
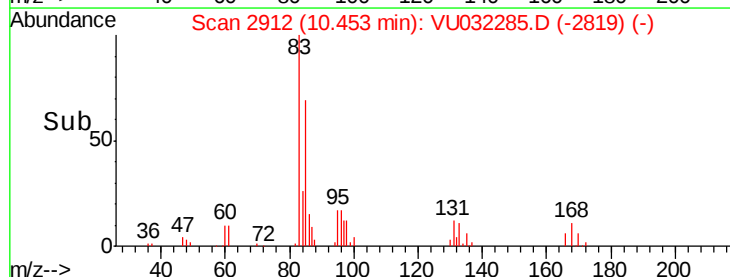
131 12.3 7.8 11.6#

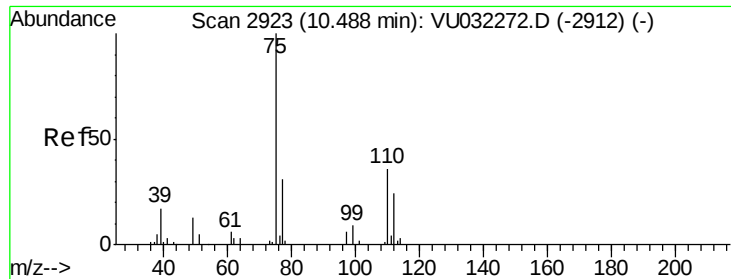


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

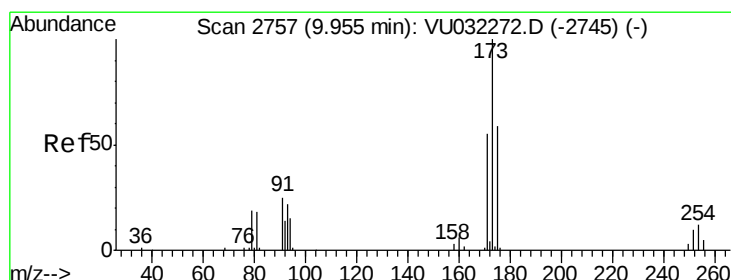
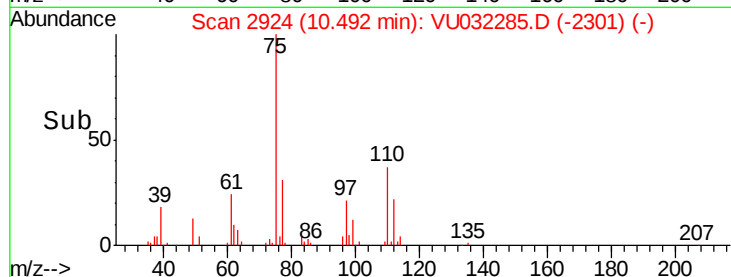
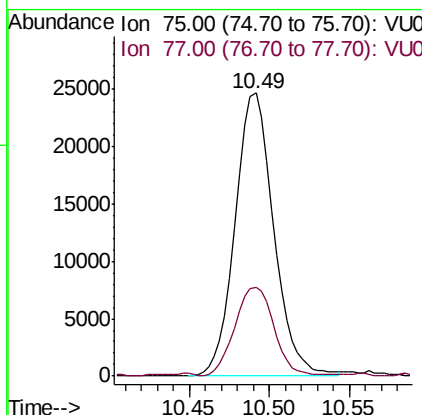
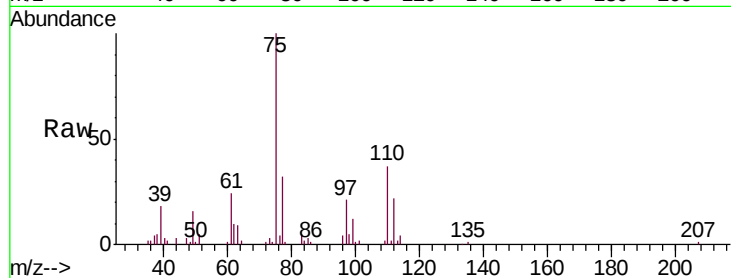




#59
 1,2,3-Trichloropropane
 Concen: 5.304 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU032285.D
 Acq: 23 May 2019 22:47

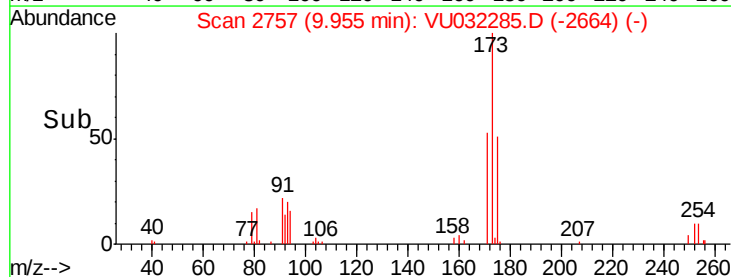
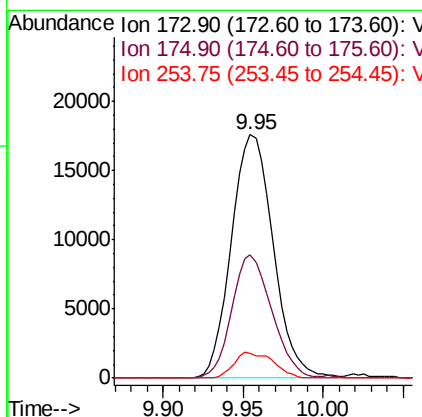
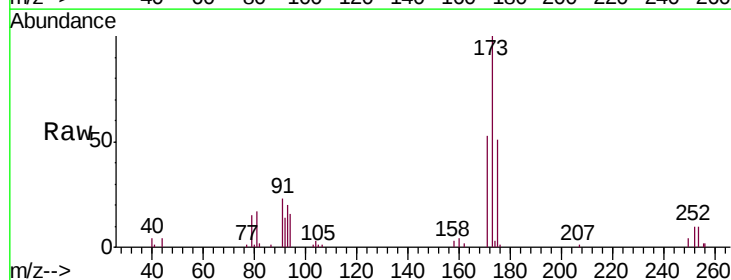
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

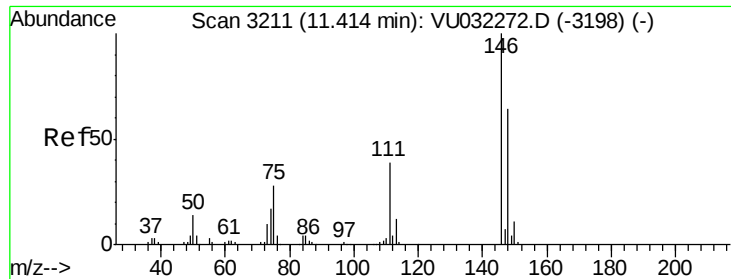
Tgt Ion: 75 Resp: 40515
 Ion Ratio Lower Upper
 75 100
 77 32.0 28.2 42.4



#61
 Bromoform
 Concen: 5.453 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU032285.D
 Acq: 23 May 2019 22:47

Tgt Ion: 173 Resp: 31441
 Ion Ratio Lower Upper
 173 100
 175 48.2 40.1 60.1
 254 9.9 7.8 11.6

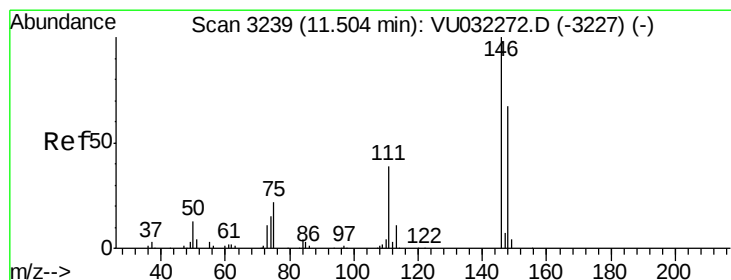
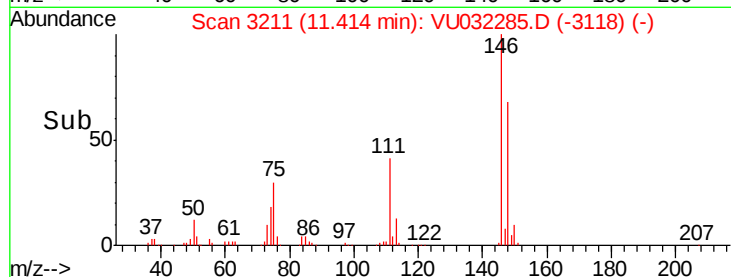
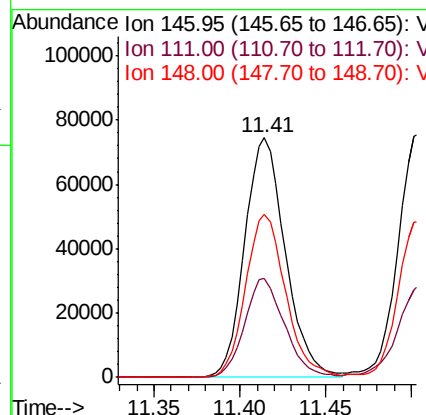
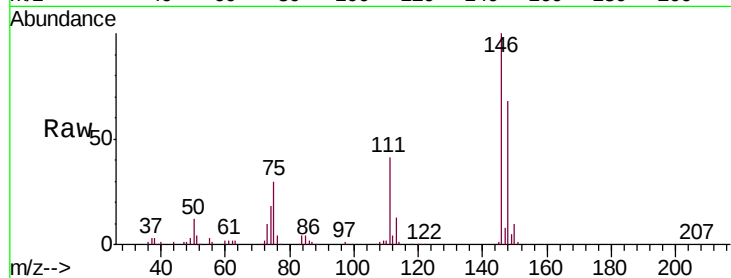




#62
 1,3-Dichlorobenzene
 Concen: 5.150 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU032285.D
 Acq: 23 May 2019 22:47

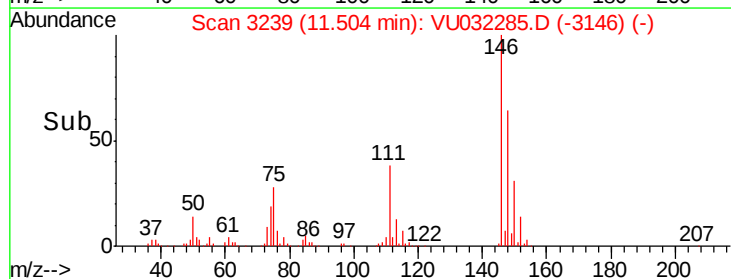
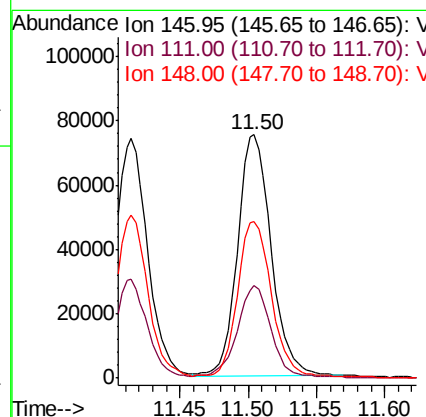
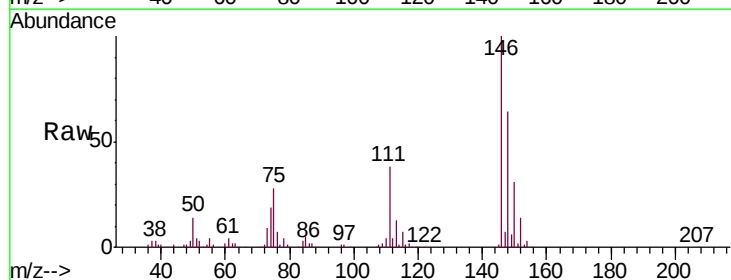
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

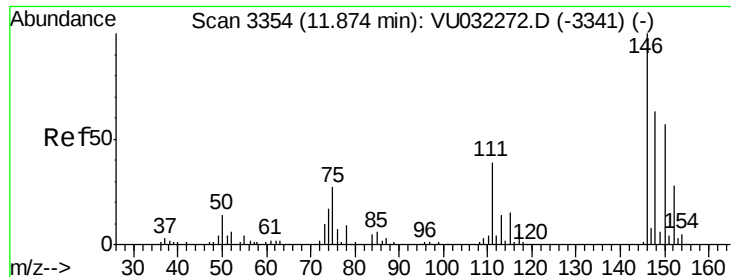
Tgt Ion:146 Resp: 122502
 Ion Ratio Lower Upper
 146 100
 111 41.3 28.2 52.4
 148 68.1 46.0 85.4



#63
 1,4-Dichlorobenzene
 Concen: 5.182 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU032285.D
 Acq: 23 May 2019 22:47

Tgt Ion:146 Resp: 129263
 Ion Ratio Lower Upper
 146 100
 111 37.8 26.6 49.4
 148 64.5 45.2 84.0





#65

1,2-Dichlorobenzene

Concen: 5.445 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU032285.D

Acq: 23 May 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

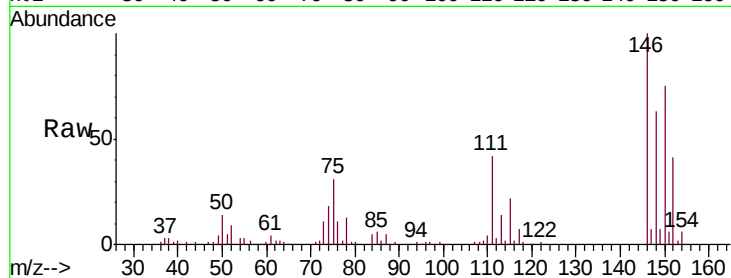
Tgt Ion:146 Resp: 131377

Ion Ratio Lower Upper

146 100

111 42.2 33.9 50.9

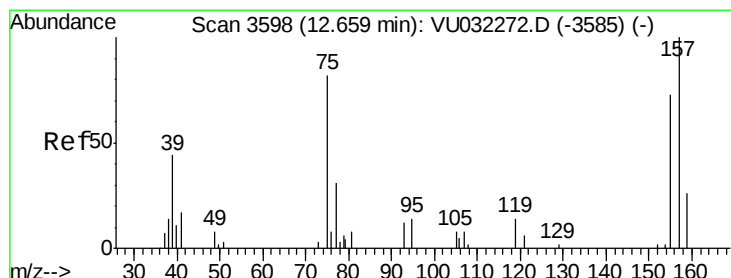
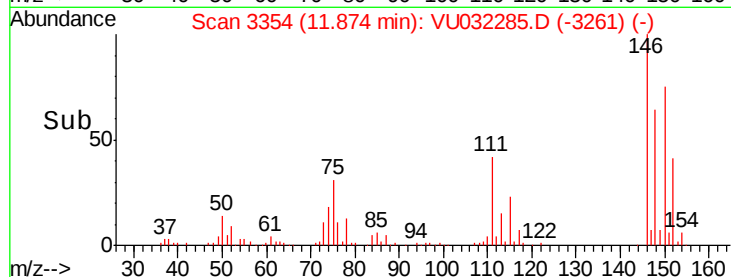
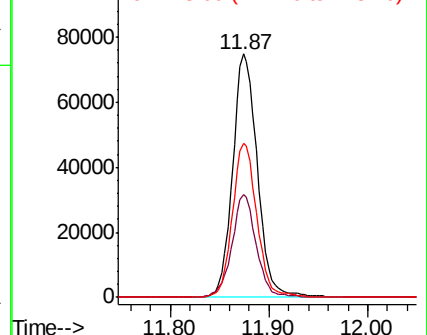
148 63.4 54.3 81.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.237 ug/L

RT: 12.66 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VU032285.D

Acq: 23 May 2019 22:47

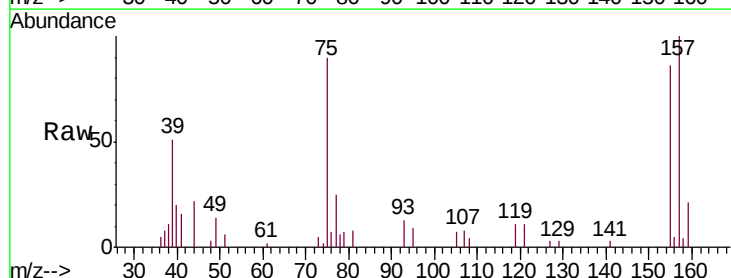
Tgt Ion: 75 Resp: 8159

Ion Ratio Lower Upper

75 100

155 95.9 69.3 103.9

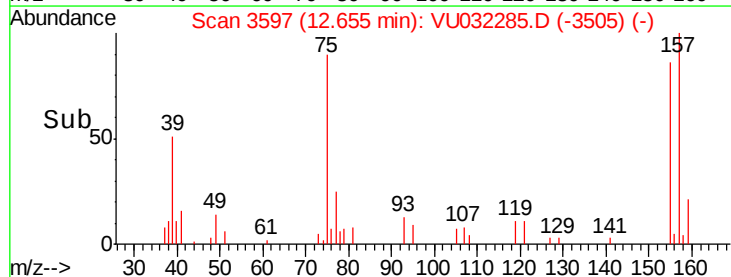
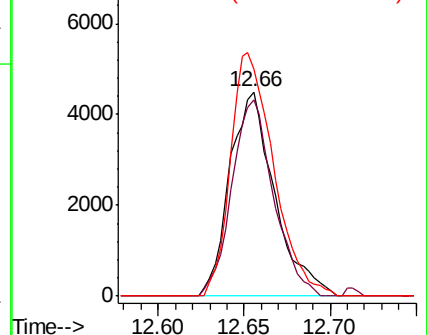
157 110.9 90.6 135.8

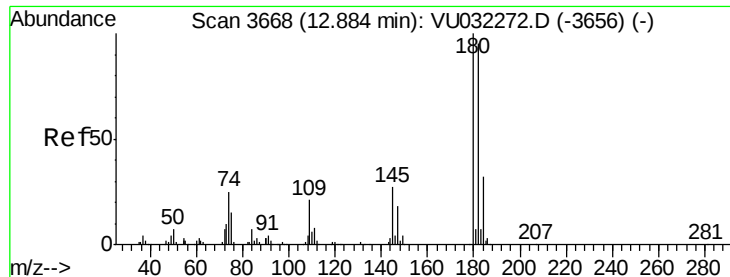


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

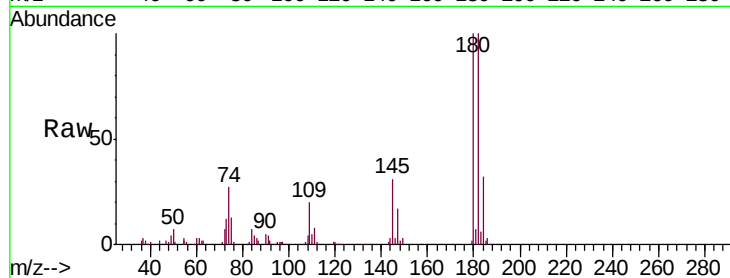




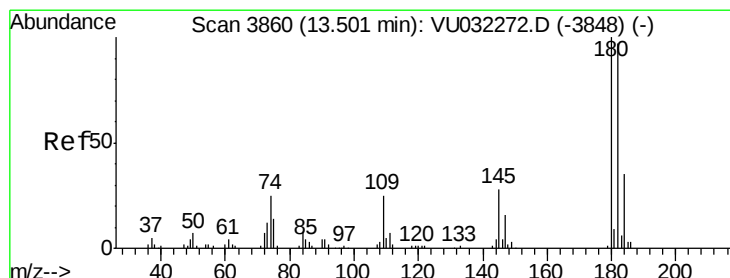
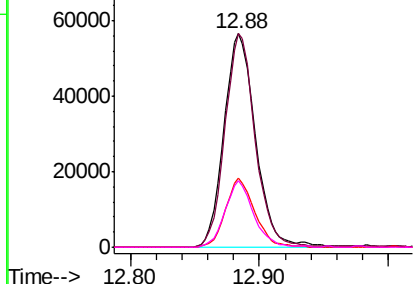
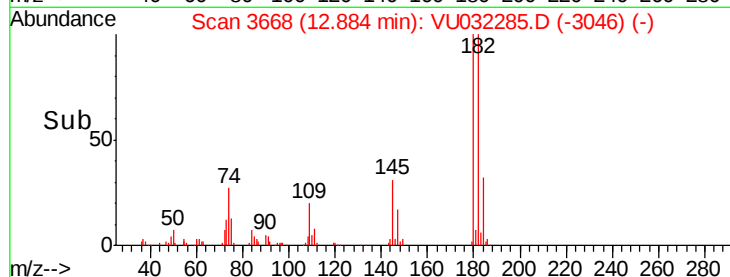
#67
 1,3,5-Trichlorobenzene
 Concen: 5.309 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU032285.D
 Acq: 23 May 2019 22:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tgt Ion:	180	Resp:	96092
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
184	29.8	24.3	36.5
145	28.4	23.6	35.4

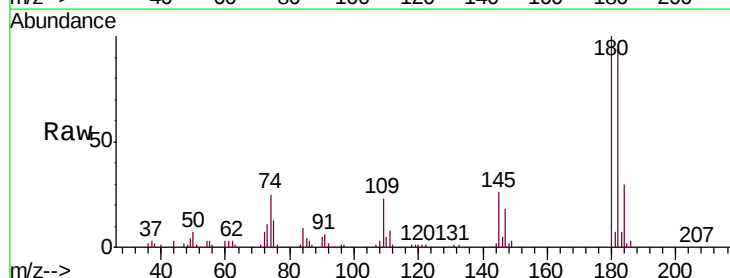


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

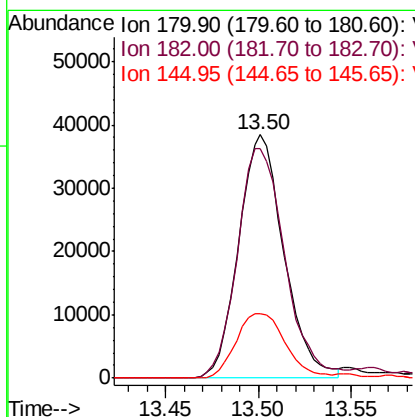
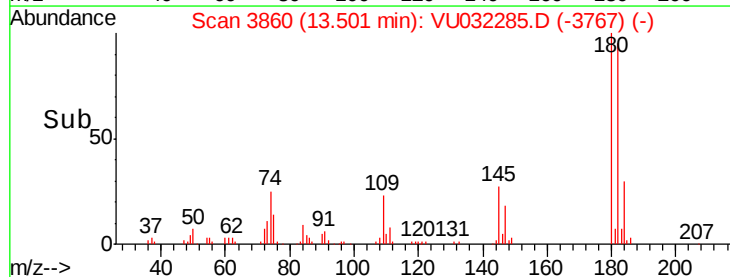


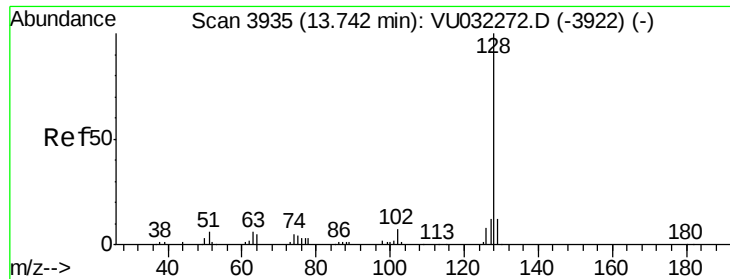
#68
 1,2,4-trichlorobenzene
 Concen: 5.101 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. -0.00 min
 Lab File: VU032285.D
 Acq: 23 May 2019 22:47

Tgt Ion:	180	Resp:	65101
Ion	Ratio	Lower	Upper
180	100		
182	99.7	75.9	113.9
145	29.0	21.7	32.5



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.489 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. -0.00 min

Lab File: VU032285.D

Acq: 23 May 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

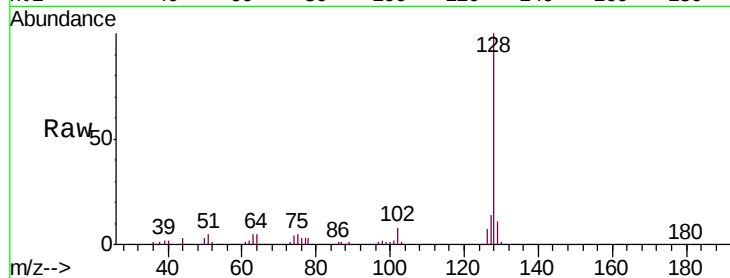
Tgt Ion:128 Resp: 87650

Ion Ratio Lower Upper

128 100

129 11.0 9.2 13.8

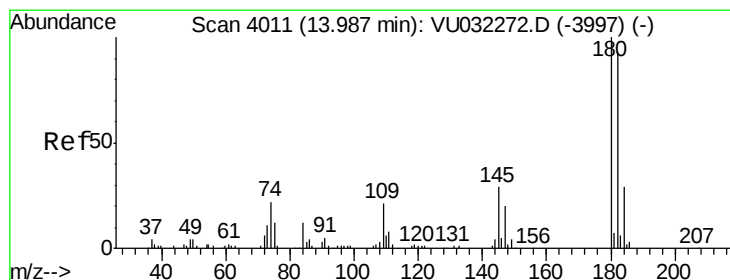
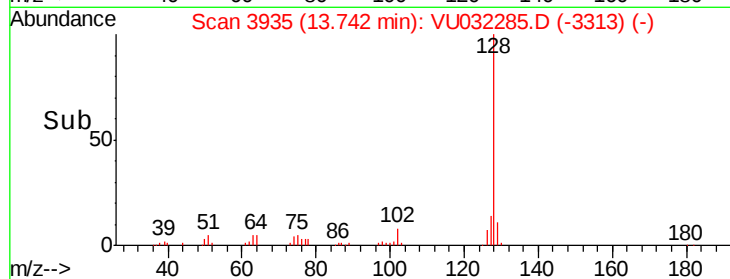
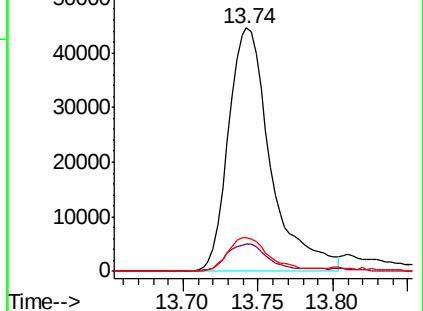
127 13.7 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.087 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU032285.D

Acq: 23 May 2019 22:47

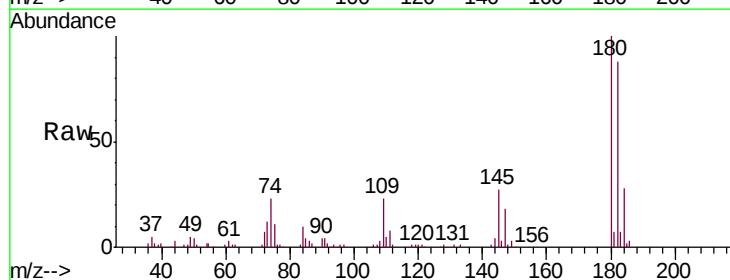
Tgt Ion:180 Resp: 68718

Ion Ratio Lower Upper

180 100

182 97.3 74.6 111.8

145 28.8 23.4 35.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

