

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031620\
 Data File : VU037289.D
 Acq On : 16 Mar 2020 12:05
 Operator : JC/MD
 Sample : VSTD00101
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

Quant Time: Mar 16 18:28:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Mar 16 18:25:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	128757	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	128539	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	56996	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	6527	0.81	ug/L	0.00
7) Chloroethane-d5	1.93	69	5679	0.96	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	13633	0.81	ug/L	0.00
20) 2-Butanone-d5	4.69	46	18779	8.81	ug/L	0.00
24) Chloroform-d	5.10	84	14748	0.88	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	8488	0.87	ug/L	0.00
32) Benzene-d6	5.76	84	25127	0.82	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	8403	0.84	ug/L	0.00
41) Toluene-d8	7.92	98	24161	0.84	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	3248	0.80	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	14567	8.49	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	7028	0.85	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	8989	0.93	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	13678	0.85	ug/L	97
3) Chloromethane	1.53	50	14315	1.02	ug/L	99
5) Vinyl chloride	1.62	62	11982	0.96	ug/L	97
6) Bromomethane	1.87	94	5970	1.19	ug/L	88
8) Chloroethane	1.95	64	7226	1.10	ug/L	97
9) Trichlorofluoromethane	2.16	101	18562	1.03	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	8519	0.94	ug/L	97
12) 1,1-Dichloroethene	2.61	96	7429	0.90	ug/L	93
13) Acetone	2.68	43	16178	9.35	ug/L	96
14) Carbon disulfide	2.82	76	24998	0.92	ug/L	97
15) Methyl Acetate	2.99	43	4057	0.99	ug/L	95
16) Methylene chloride	3.08	84	9668	0.98	ug/L	97
17) Methyl tert-butyl Ether	3.40	73	21644	0.96	ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	8030	0.92	ug/L	93
19) 1,1-Dichloroethane	3.91	63	16278	0.92	ug/L	96
21) 2-Butanone	4.76	43	24821	9.06	ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	9010	0.93	ug/L	93
23) Bromochloromethane	5.02	128	4244	0.99	ug/L	93
25) Chloroform	5.13	83	18424	0.95	ug/L	97
27) 1,2-Dichloroethane	5.83	62	12890	0.95	ug/L	95
29) 1,1,1-Trichloroethane	5.36	97	16270	0.98	ug/L	100
30) Cyclohexane	5.43	56	14009	0.90	ug/L	98
31) Carbon tetrachloride	5.56	117	13991	0.97	ug/L	99
33) Benzene	5.81	78	34646	0.92	ug/L	100
34) Trichloroethene	6.57	95	9756	0.96	ug/L	90
35) Methylcyclohexane	6.79	83	13824	0.88	ug/L	99
37) 1,2-Dichloropropane	6.82	63	9282	0.94	ug/L	# 97
38) Bromodichloromethane	7.13	83	12939	0.97	ug/L	96
39) cis-1,3-Dichloropropene	7.64	75	13380	0.93	ug/L	98
40) 4-Methyl-2-pentanone	7.83	43	61167	8.75	ug/L	99

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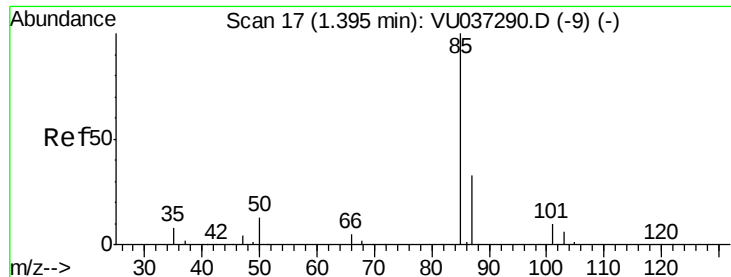
Instrument :
 MSVOA_U
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Quant Time: Mar 16 18:28:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031620WMA.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	8.00	91	36640	0.91	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	11169	0.93	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	6870	0.96	ug/L	94
47) Tetrachloroethene	8.57	164	7463	0.94	ug/L	93
48) 2-Hexanone	8.72	43	44545	9.20	ug/L	94
49) Dibromochloromethane	8.83	129	8816	1.01	ug/L	96
50) 1,2-Dibromoethane	8.95	107	6516	0.96	ug/L	100
51) Chlorobenzene	9.47	112	25148	0.96	ug/L	99
52) Ethylbenzene	9.59	91	40484	0.91	ug/L	97
53) m,p-Xylene	9.71	106	14689	0.91	ug/L	90
54) o-Xylene	10.12	106	14330	0.91	ug/L	100
55) Styrene	10.13	104	22373	0.87	ug/L	98
56) Isopropylbenzene	10.50	105	39403	0.93	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.80	83	8764	0.99	ug/L #	98
59) 1,2,3-Trichloropropane	10.84	75	6556	0.92	ug/L	98
61) Bromoform	10.31	173	5009	1.14	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	18841	1.02	ug/L	95
63) 1,4-Dichlorobenzene	11.85	146	18349	1.00	ug/L	96
65) 1,2-Dichlorobenzene	12.23	146	17807	1.01	ug/L	95
66) 1,2-Dibromo-3-chloropropan	13.02	75	1348	1.00	ug/L	92
67) 1,3,5-Trichlorobenzene	13.24	180	13560	1.05	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	7431	0.84	ug/L	93
69) Naphthalene	14.12	128	8420	0.67	ug/L	98
70) 1,2,3-Trichlorobenzene	14.36	180	7416	0.90	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 0.85 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037289.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

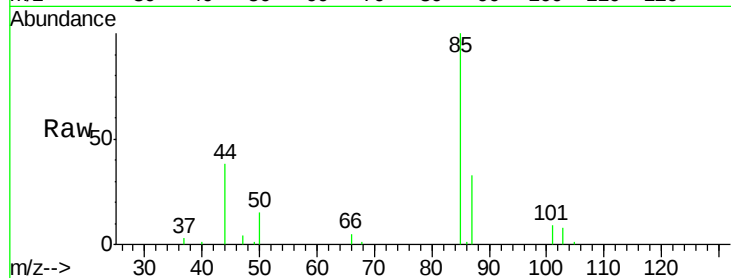
VSTD00101

Tgt Ion: 85 Resp: 13678

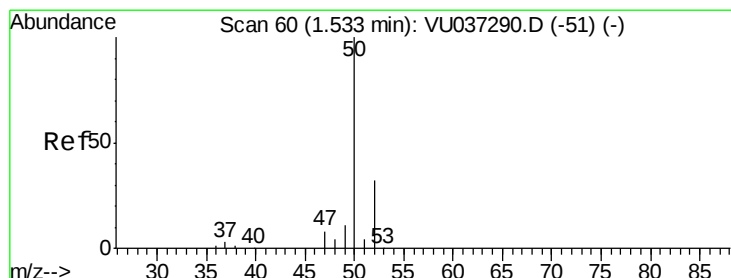
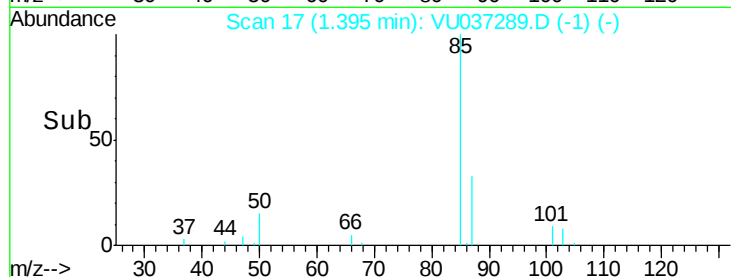
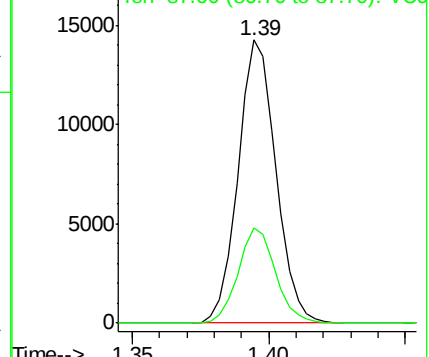
Ion Ratio Lower Upper

85 100

87 33.3 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU037289.D (-9) (-)



#3

Chloromethane

Concen: 1.02 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU037289.D

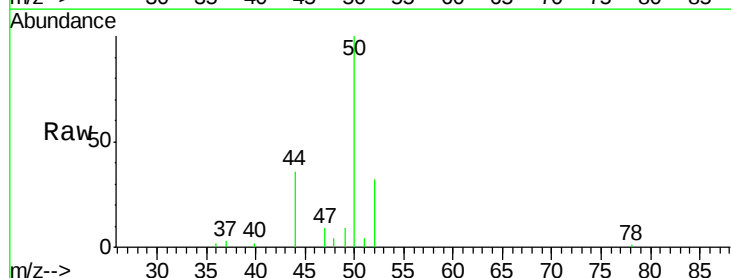
Acq: 16 Mar 2020 12:05

Tgt Ion: 50 Resp: 14315

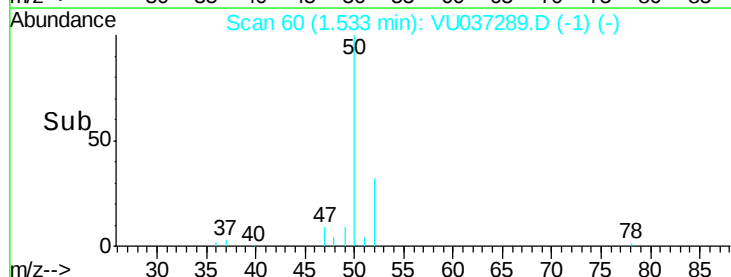
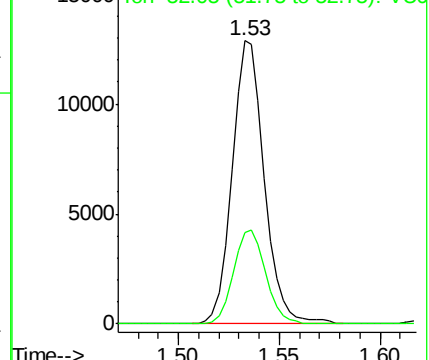
Ion Ratio Lower Upper

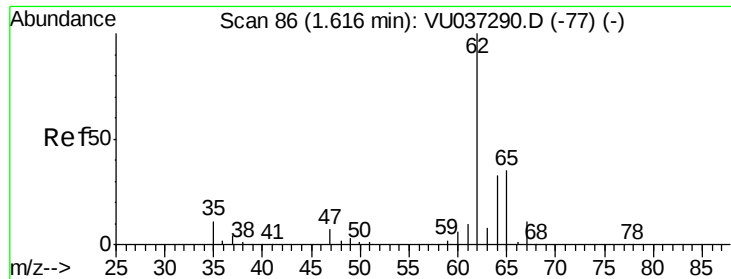
50 100

52 32.3 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU037289.D (-51) (-)





#5

Vinyl chloride

Concen: 0.96 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037289.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

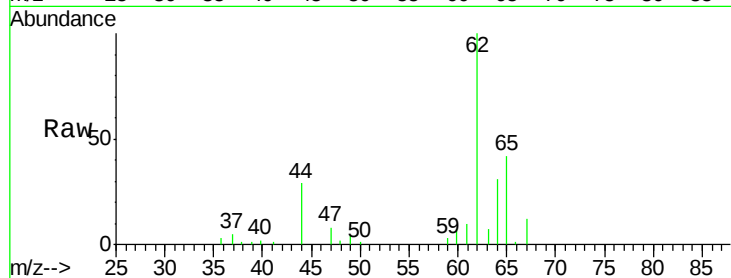
VSTD00101

Tgt Ion: 62 Resp: 11982

Ion Ratio Lower Upper

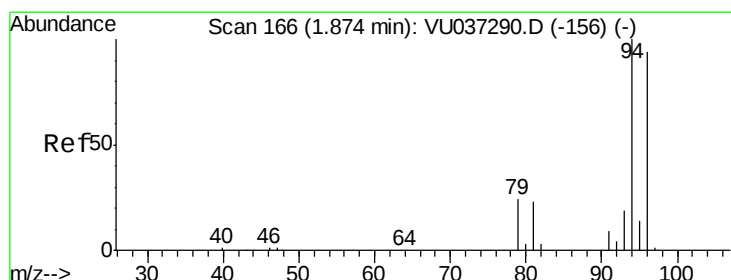
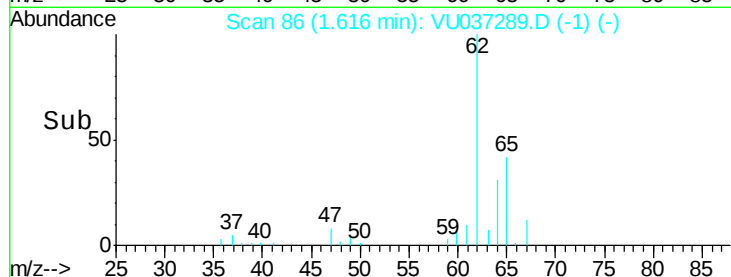
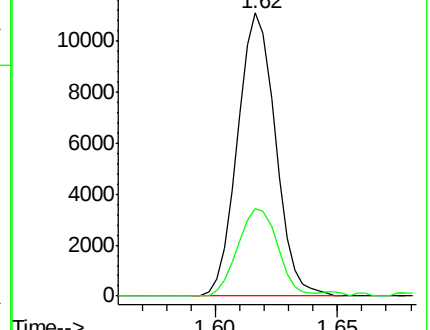
62 100

64 30.8 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU037289.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU037289.D (-77) (-)



#6

Bromomethane

Concen: 1.19 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037289.D

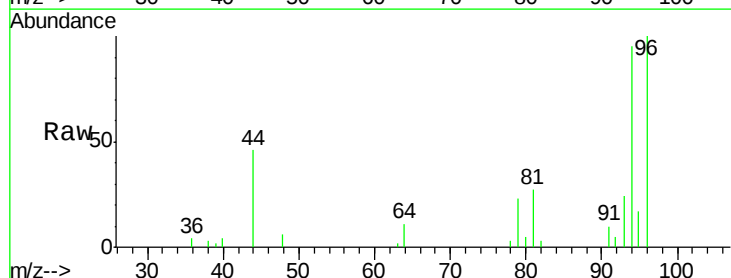
Acq: 16 Mar 2020 12:05

Tgt Ion: 94 Resp: 5970

Ion Ratio Lower Upper

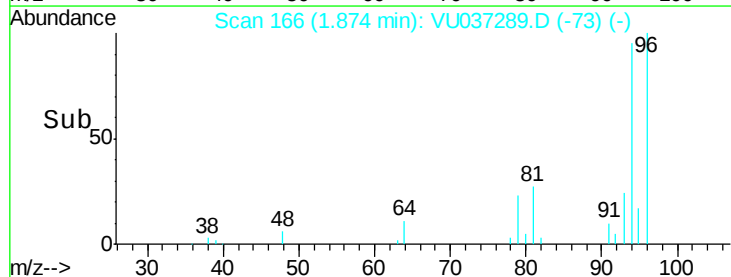
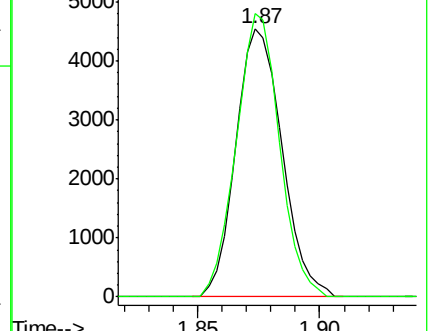
94 100

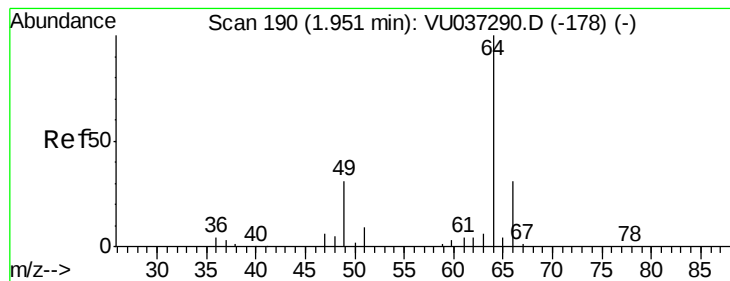
96 105.6 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VU037289.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU037289.D (-156) (-)





#8

Chloroethane

Concen: 1.10 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU037289.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

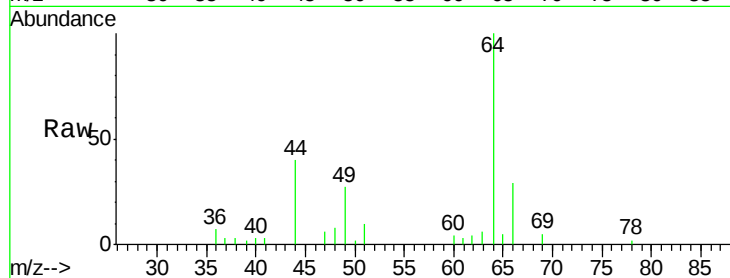
VSTD00101

Tgt Ion: 64 Resp: 7226

Ion Ratio Lower Upper

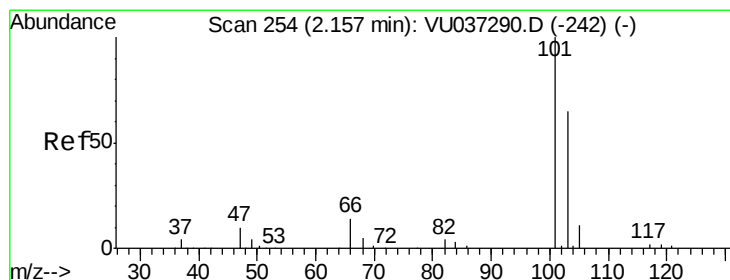
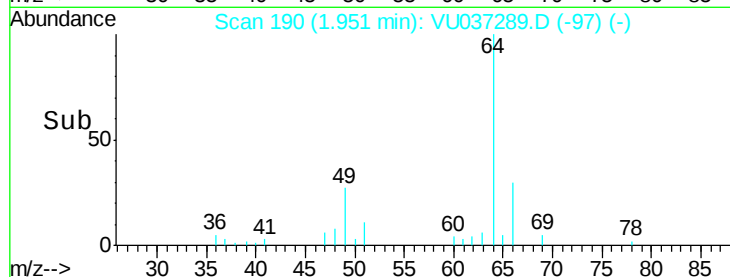
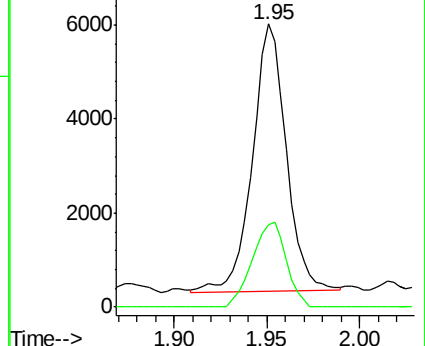
64 100

66 29.2 21.7 40.3



Abundance Ion 64.10 (63.80 to 64.80): VU037289.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU037289.D (-178) (-)



#9

Trichlorofluoromethane

Concen: 1.03 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU037289.D

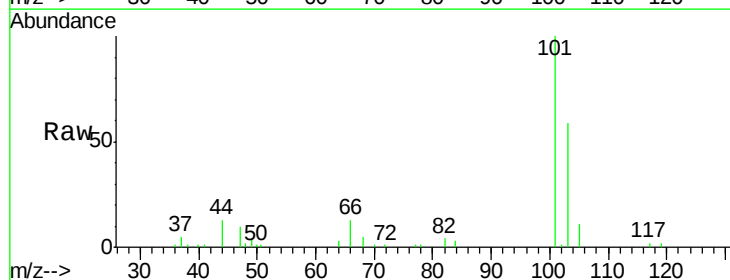
Acq: 16 Mar 2020 12:05

Tgt Ion: 101 Resp: 18562

Ion Ratio Lower Upper

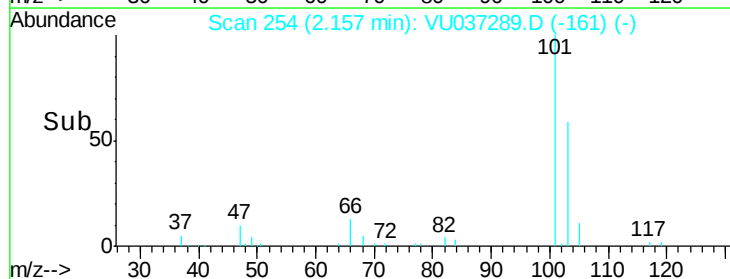
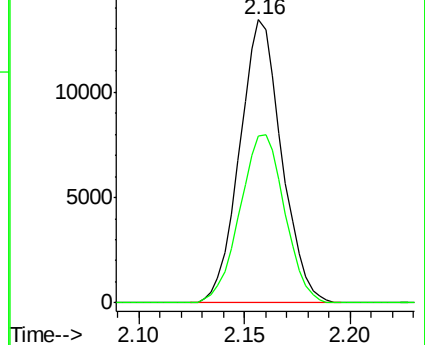
101 100

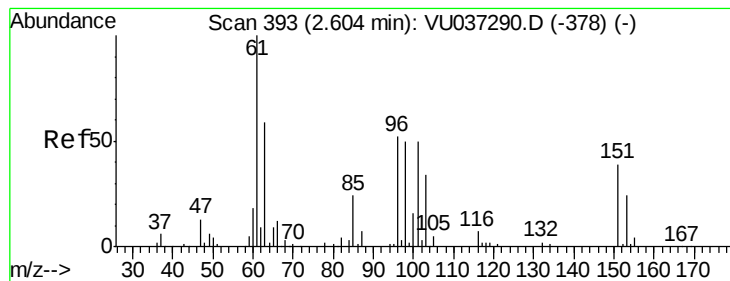
103 63.4 52.9 79.3



Abundance Ion 101.00 (100.70 to 101.70): VU037289.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU037289.D (-242) (-)





#10

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

Concen: 0.94 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037289.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

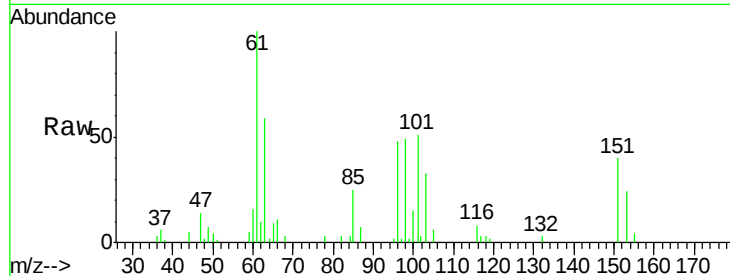
Tgt Ion: 101 Resp: 8519

Ion Ratio Lower Upper

101 100

85 48.4 39.1 58.7

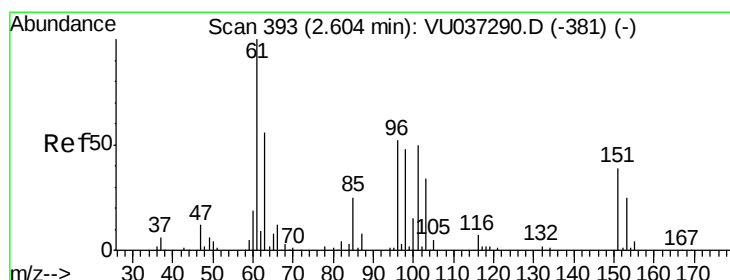
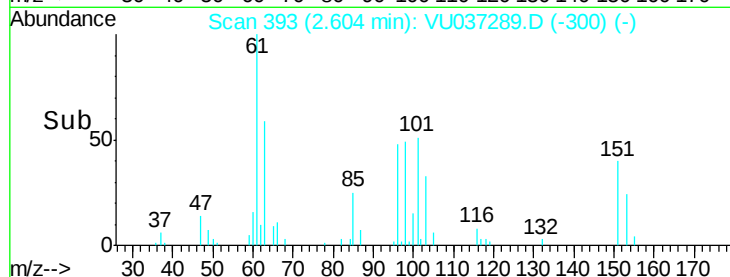
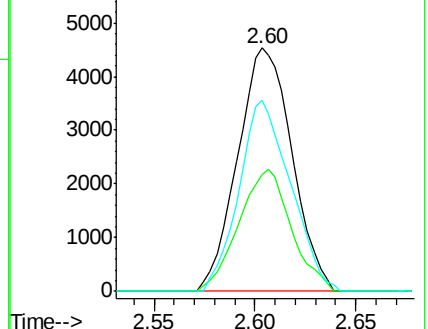
151 74.6 62.5 93.7



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: 0.90 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037289.D

Acq: 16 Mar 2020 12:05

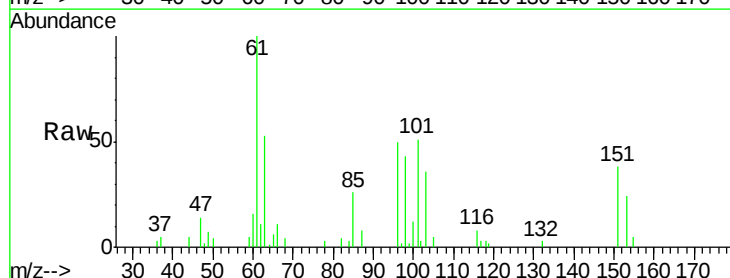
Tgt Ion: 96 Resp: 7429

Ion Ratio Lower Upper

96 100

61 200.3 134.3 249.5

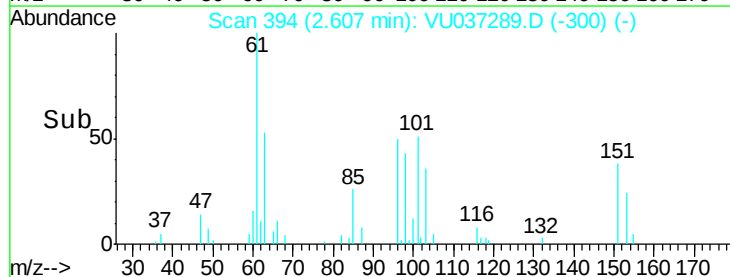
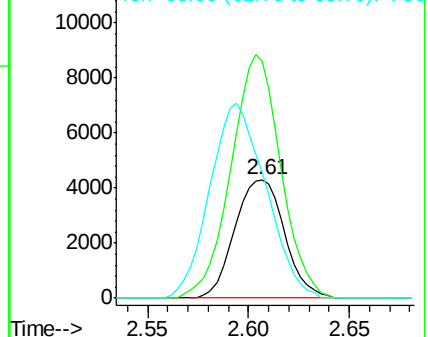
63 106.3 80.3 149.1

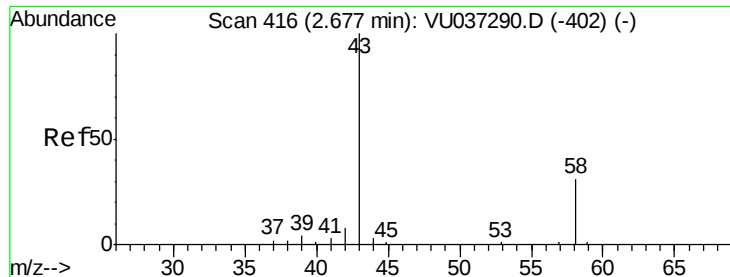


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 9.35 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.00 min

Lab File: VU037289.D

Acq: 16 Mar 2020 12:05

Instrument :

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ClientSampleId :

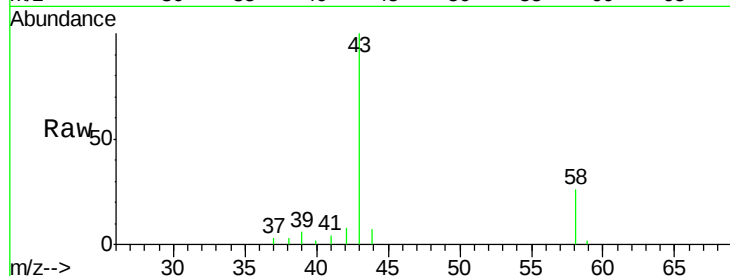
VSTD00101

Tgt Ion: 43 Resp: 16178

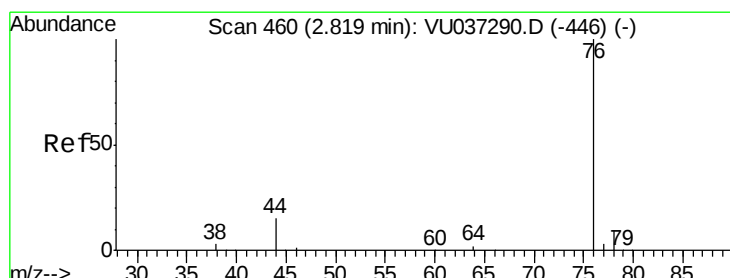
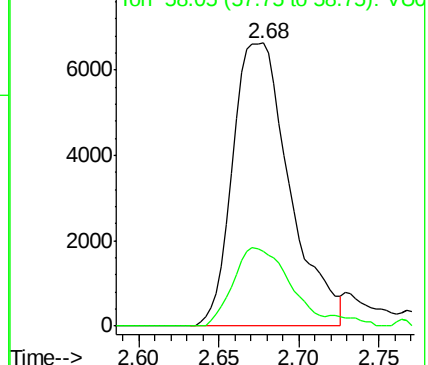
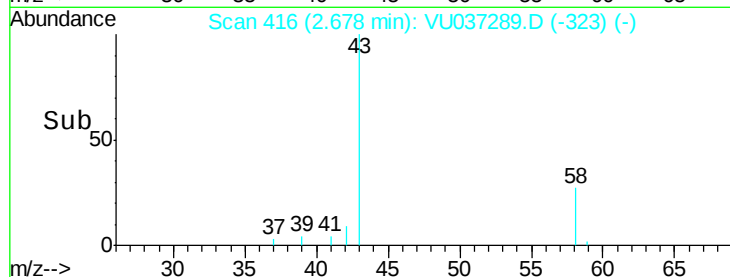
Ion Ratio Lower Upper

43 100

58 27.1 0.0 58.0



Abundance Ion 43.05 (42.75 to 43.75): VU037289.D (-323) (-)



#14

Carbon disulfide

Concen: 0.92 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037289.D

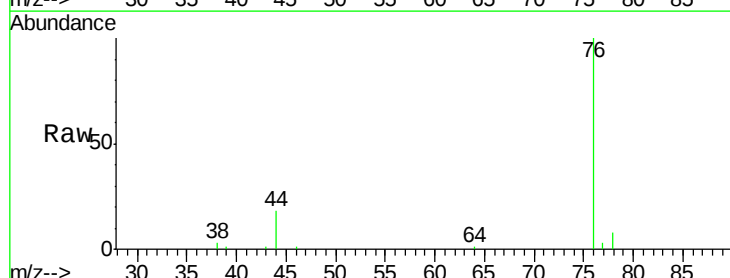
Acq: 16 Mar 2020 12:05

Tgt Ion: 76 Resp: 24998

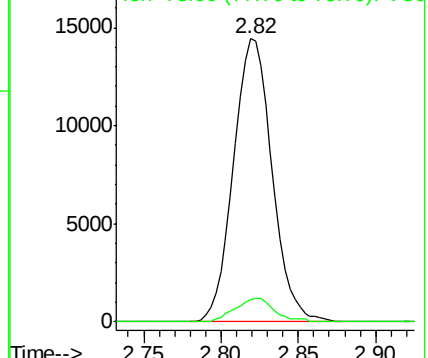
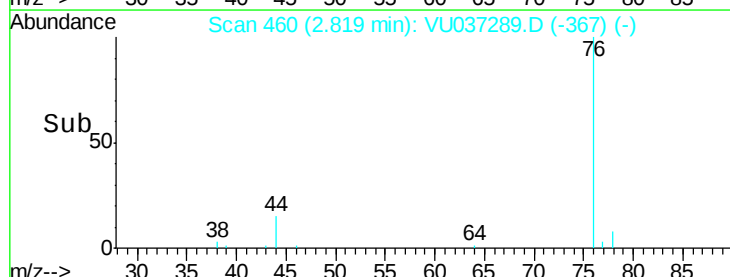
Ion Ratio Lower Upper

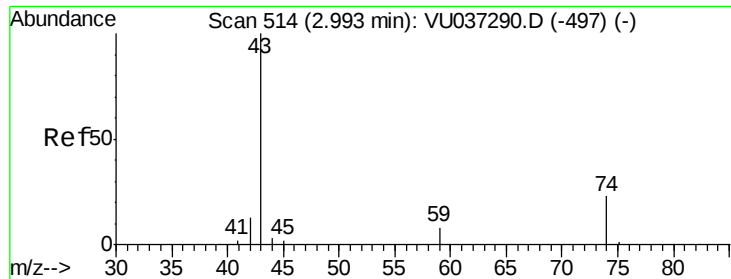
76 100

78 7.8 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU037289.D (-367) (-)

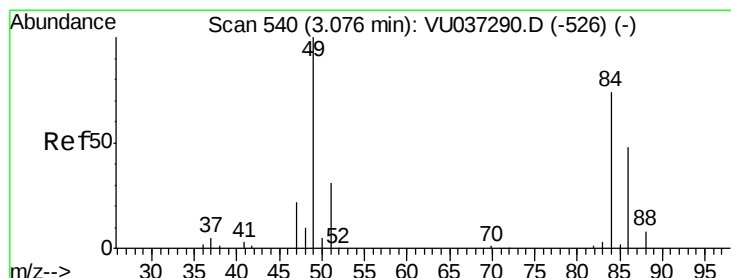
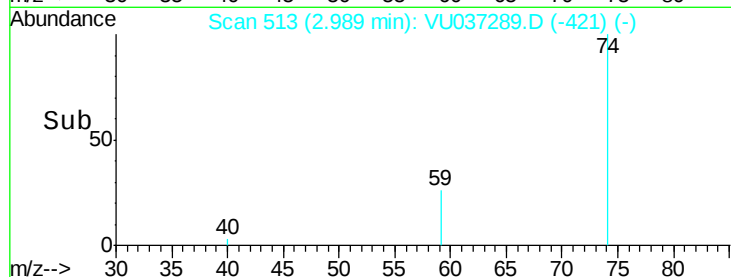
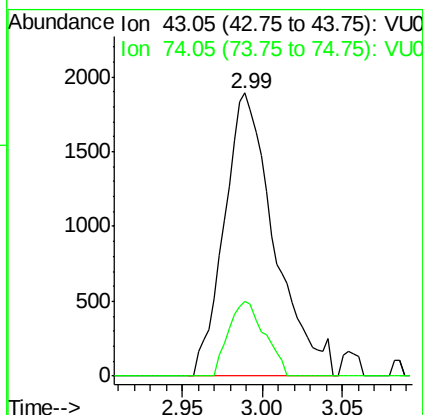
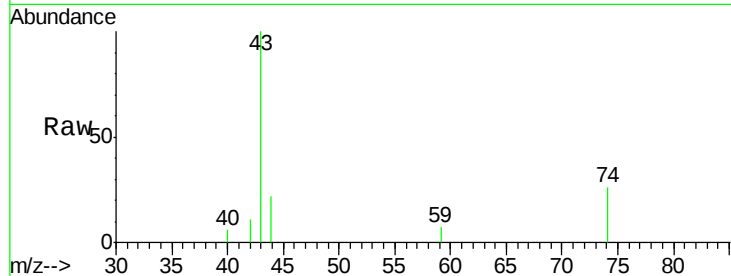




#15
Methyl Acetate
Concen: 0.99 ug/L
RT: 2.99 min Scan# 513
Delta R.T. -0.00 min
Lab File: VU037289.D
Acq: 16 Mar 2020 12:05

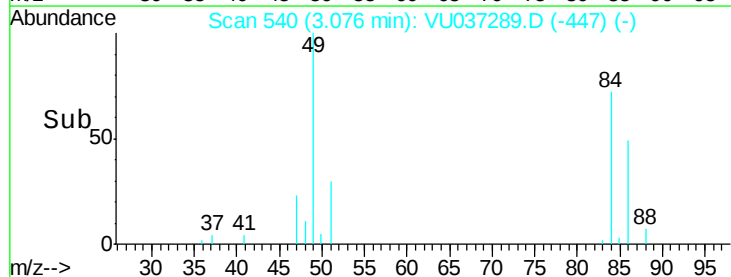
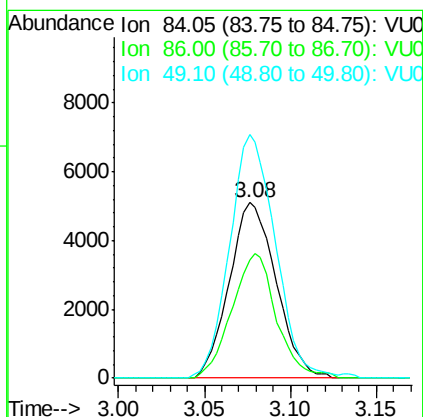
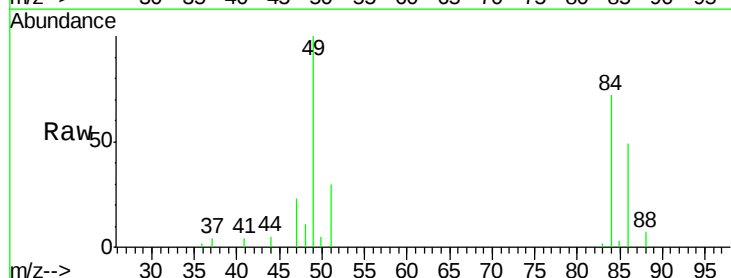
Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

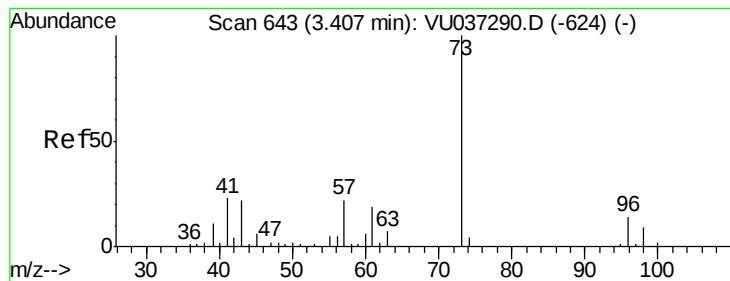
Tgt Ion: 43 Resp: 4057
Ion Ratio Lower Upper
43 100
74 18.8 17.0 25.4



#16
Methylene chloride
Concen: 0.98 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU037289.D
Acq: 16 Mar 2020 12:05

Tgt Ion: 84 Resp: 9668
Ion Ratio Lower Upper
84 100
86 67.4 45.2 84.0
49 138.9 94.4 175.4





#17

Methyl tert-butyl Ether

Concen: 0.96 ug/L

RT: 3.40 min Scan# 642

Delta R.T. -0.00 min

Lab File: VU037289.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

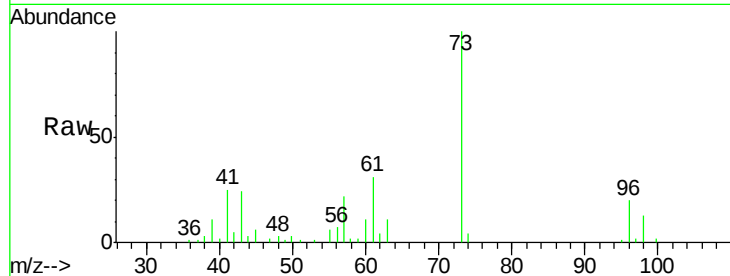
Tgt Ion: 73 Resp: 21644

Ion Ratio Lower Upper

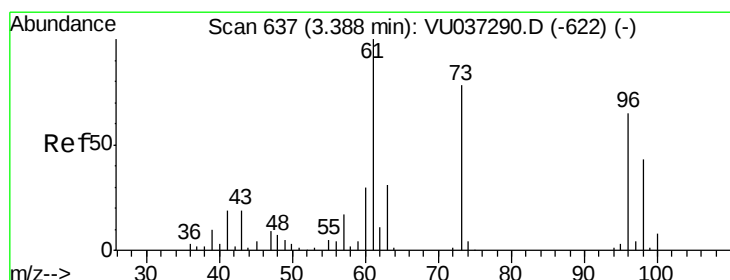
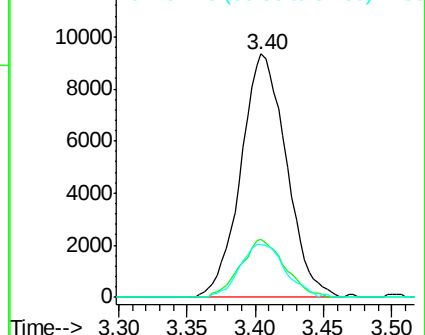
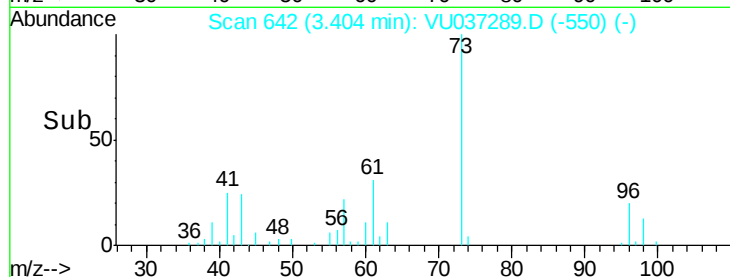
73 100

43 23.2 18.6 28.0

57 21.5 17.1 25.7



Abundance Ion 73.10 (72.80 to 73.80): VU037289.D (-550) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.92 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU037289.D

Acq: 16 Mar 2020 12:05

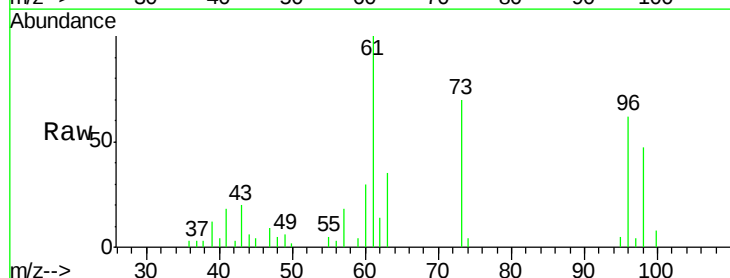
Tgt Ion: 96 Resp: 8030

Ion Ratio Lower Upper

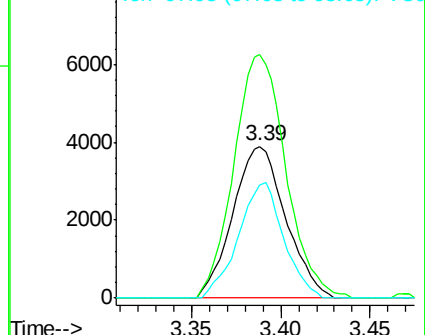
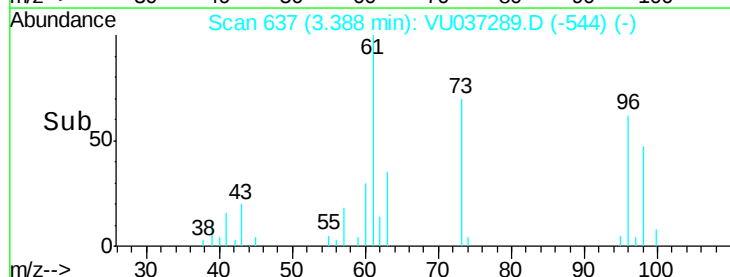
96 100

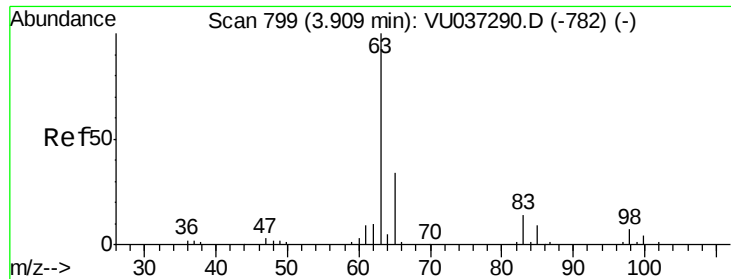
61 160.3 107.5 199.7

98 74.6 45.9 85.3



Abundance Ion 96.00 (95.70 to 96.70): VU037289.D (-544) (-)

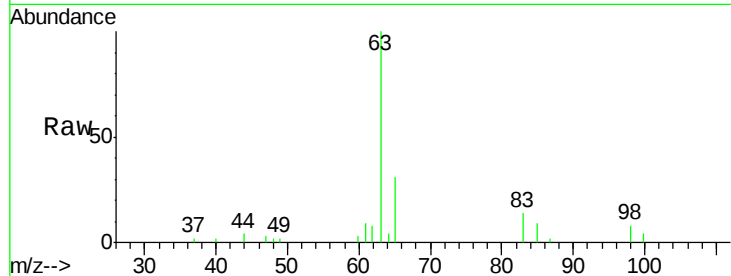




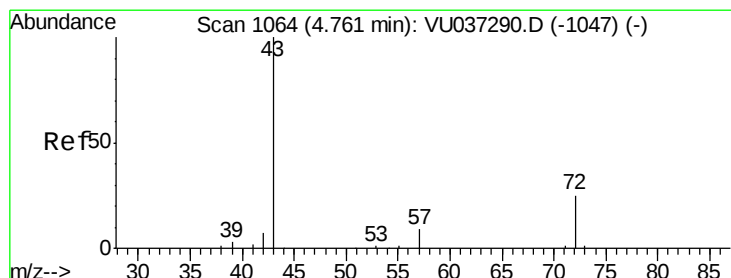
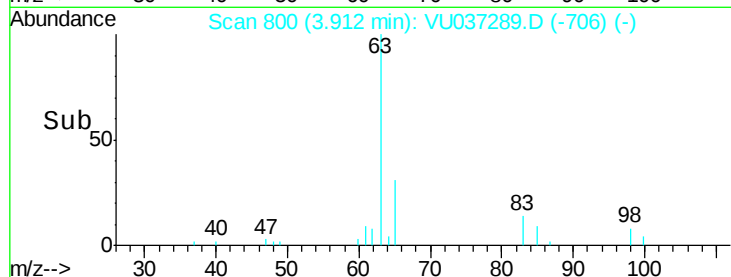
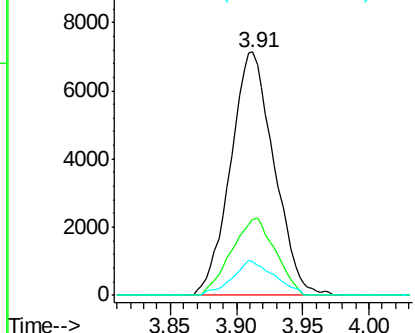
#19
 1,1-Dichloroethane
 Concen: 0.92 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU037289.D
 Acq: 16 Mar 2020 12:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

Tgt Ion: 63 Resp: 16278
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.1 44.7
 83 13.9 10.1 18.9

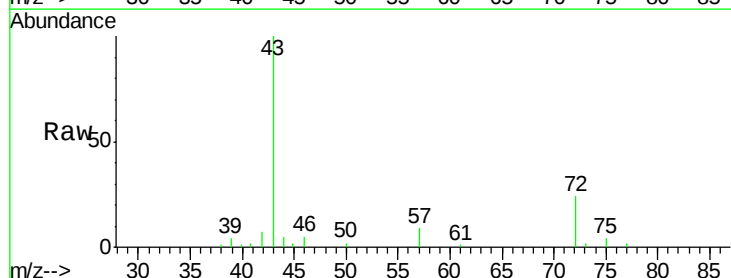


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

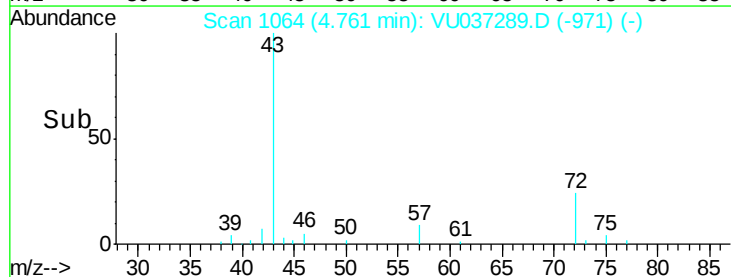
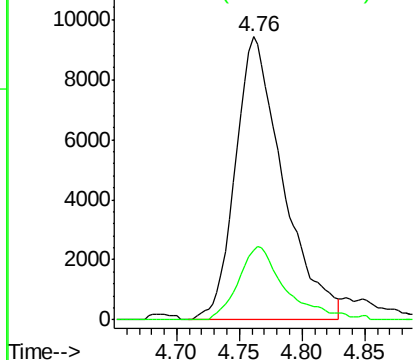


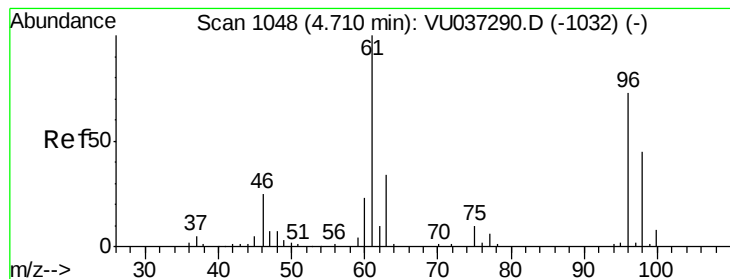
#21
 2-Butanone
 Concen: 9.06 ug/L
 RT: 4.76 min Scan# 1064
 Delta R.T. 0.00 min
 Lab File: VU037289.D
 Acq: 16 Mar 2020 12:05

Tgt Ion: 43 Resp: 24821
 Ion Ratio Lower Upper
 43 100
 72 25.5 12.5 37.5



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.93 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037289.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

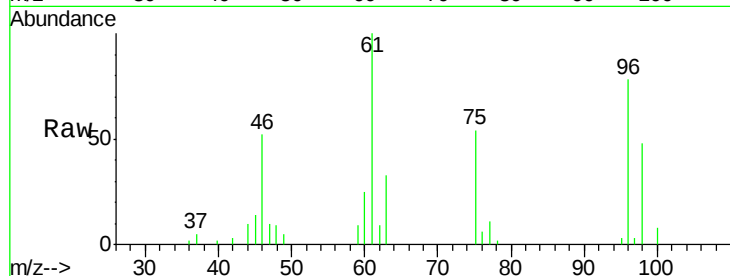
Tgt Ion: 96 Resp: 9010

Ion Ratio Lower Upper

96 100

61 128.4 95.8 178.0

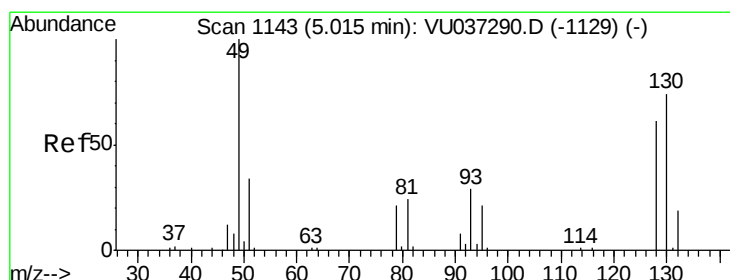
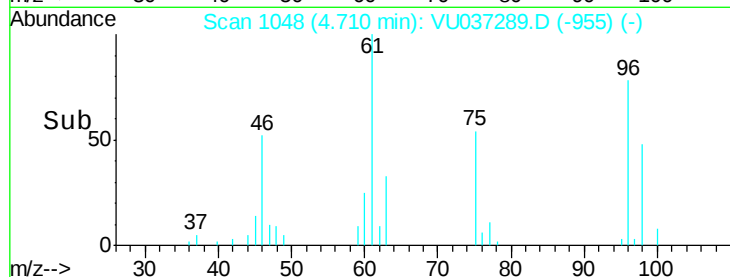
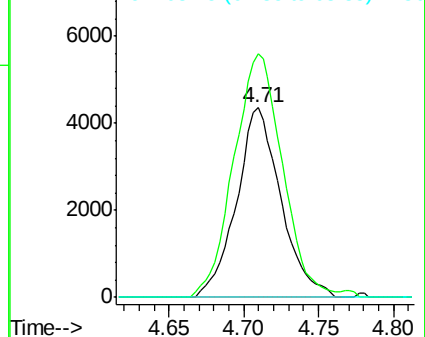
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037289.D (-955) (-)

Ion 61.05 (60.75 to 61.75): VU037289.D (-955) (-)

Ion 68.15 (67.85 to 68.85): VU037289.D (-955) (-)



#23

Bromochloromethane

Concen: 0.99 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037289.D

Acq: 16 Mar 2020 12:05

Tgt Ion: 128 Resp: 4244

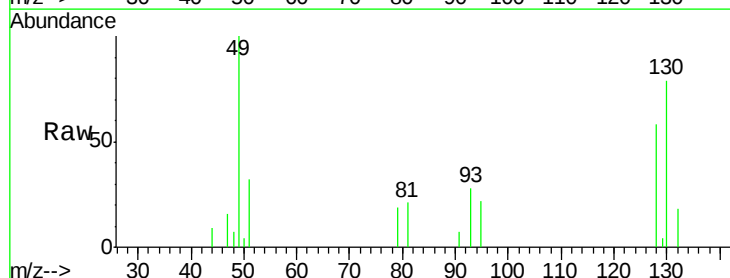
Ion Ratio Lower Upper

128 100

49 172.9 116.7 216.7

130 136.0 85.3 158.5

51 55.1 44.6 66.8

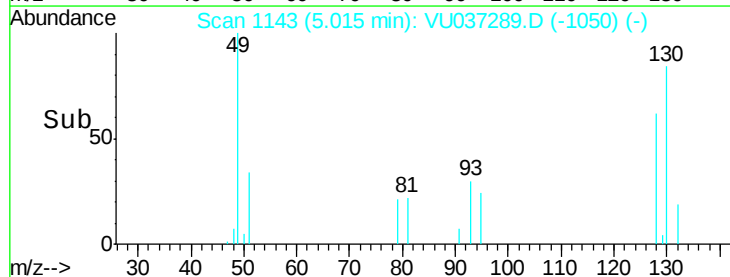
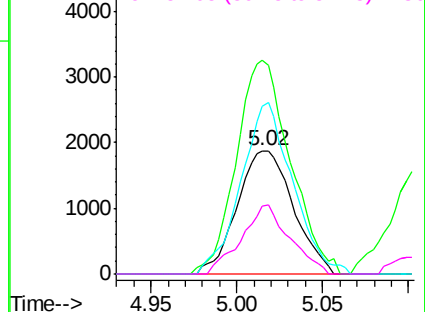


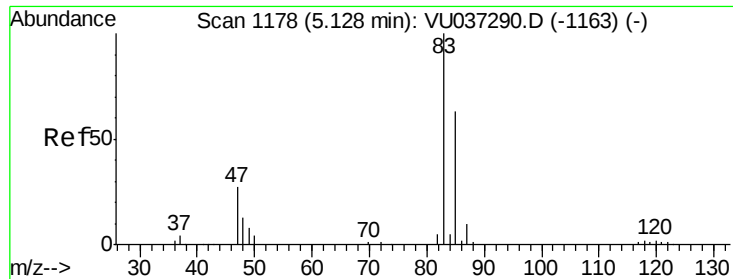
Abundance Ion 127.90 (127.60 to 128.60): VU037289.D (-1050) (-)

Ion 49.10 (48.80 to 49.80): VU037289.D (-1050) (-)

Ion 129.95 (129.65 to 130.65): VU037289.D (-1050) (-)

Ion 51.05 (50.75 to 51.75): VU037289.D (-1050) (-)

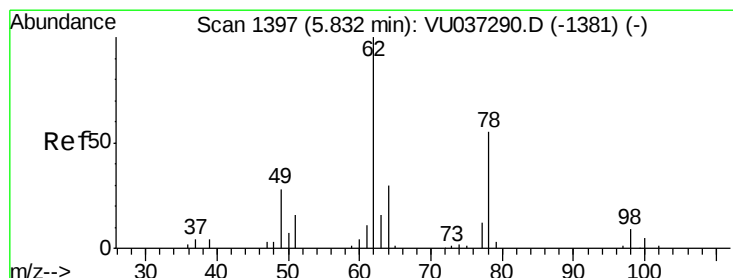
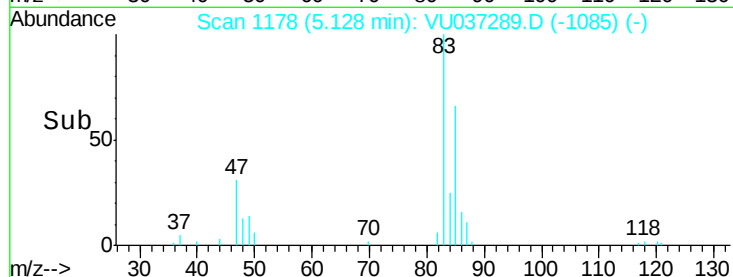
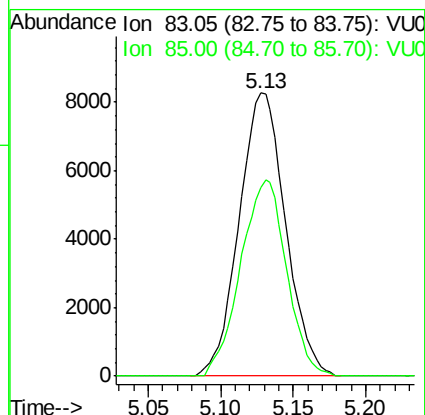
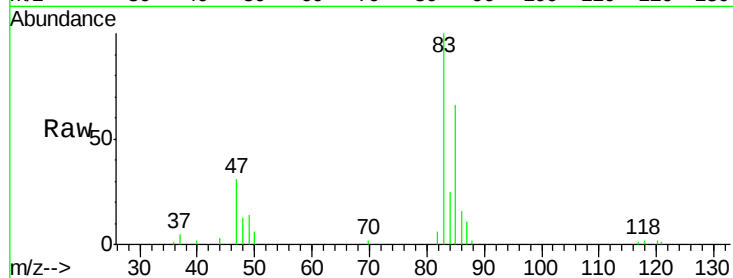




#25
Chloroform
Concen: 0.95 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037289.D
Acq: 16 Mar 2020 12:05

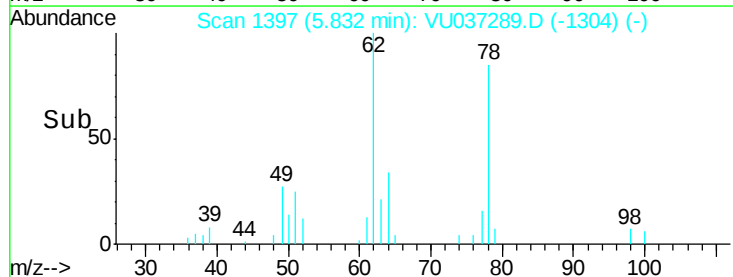
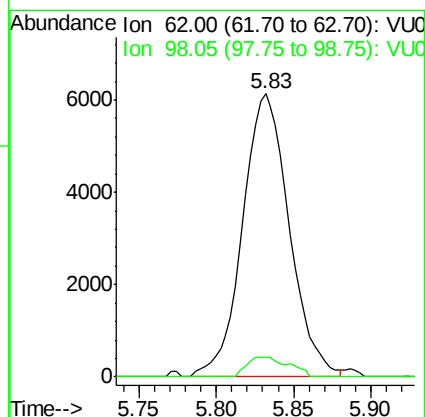
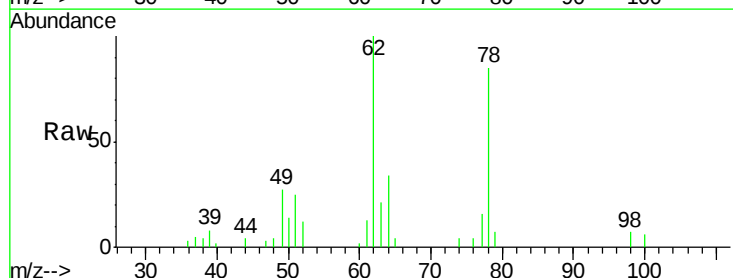
Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

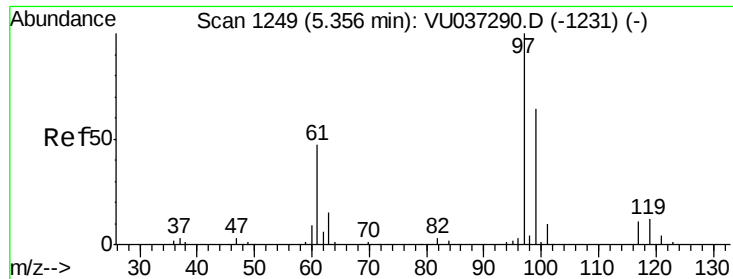
Tgt Ion: 83 Resp: 18424
Ion Ratio Lower Upper
83 100
85 66.5 44.7 82.9



#27
1,2-Dichloroethane
Concen: 0.95 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037289.D
Acq: 16 Mar 2020 12:05

Tgt Ion: 62 Resp: 12890
Ion Ratio Lower Upper
62 100
98 6.8 6.8 10.2

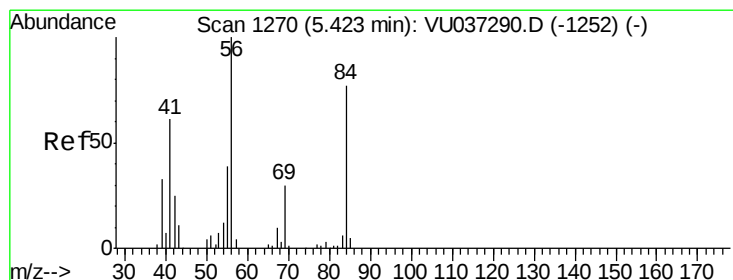
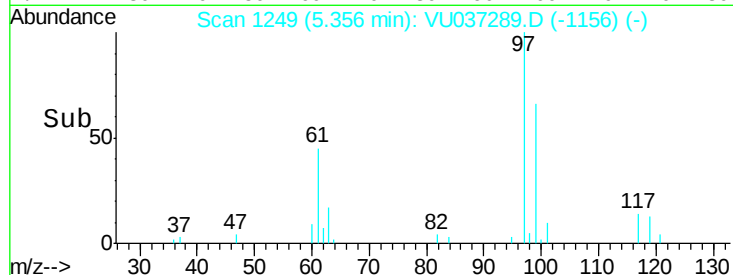
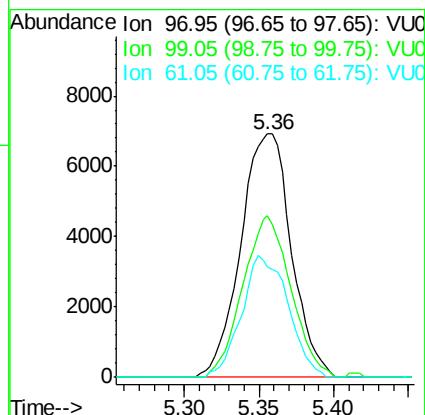
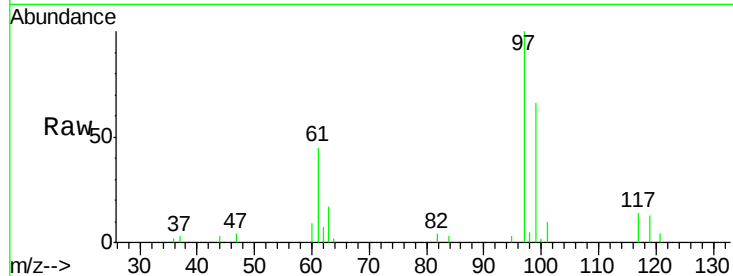




#29
 1,1,1-Trichloroethane
 Concen: 0.98 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU037289.D
 Acq: 16 Mar 2020 12:05

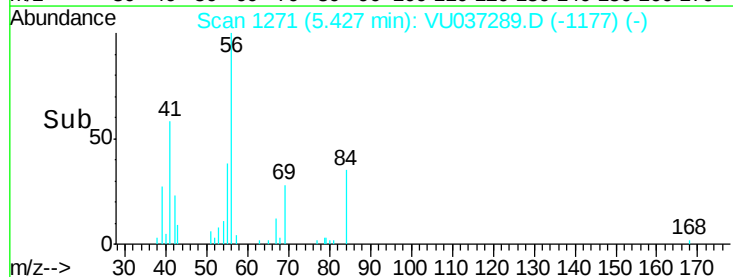
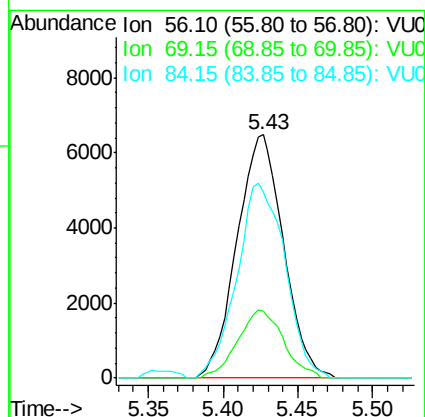
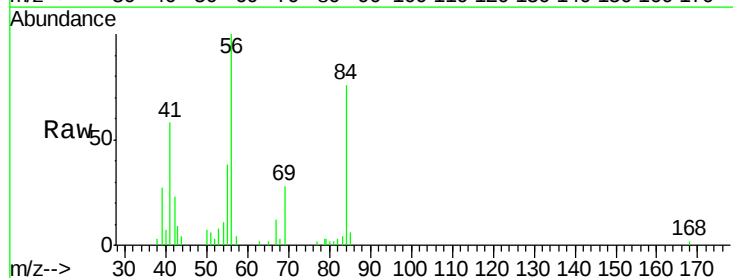
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

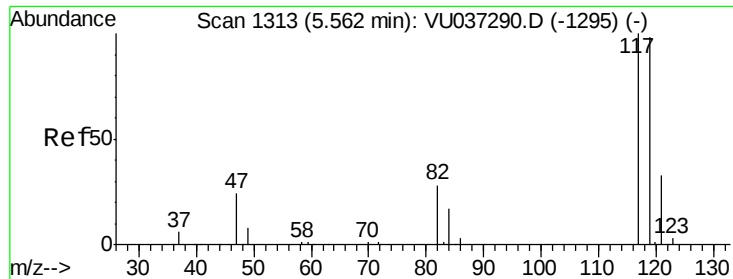
Tgt Ion: 97 Resp: 16270
 Ion Ratio Lower Upper
 97 100
 99 62.9 50.6 76.0
 61 45.9 36.8 55.2



#30
 Cyclohexane
 Concen: 0.90 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU037289.D
 Acq: 16 Mar 2020 12:05

Tgt Ion: 56 Resp: 14009
 Ion Ratio Lower Upper
 56 100
 69 27.6 24.3 36.5
 84 82.9 66.6 100.0





#31

Carbon tetrachloride

Concen: 0.97 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037289.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

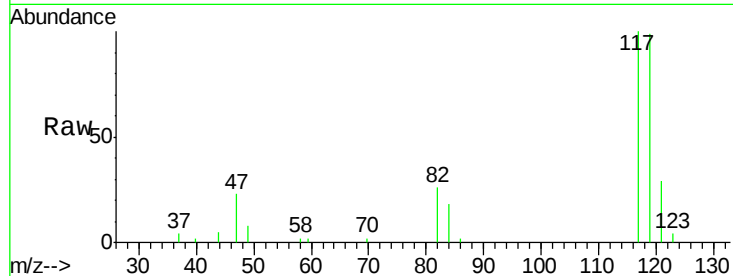
VSTD00101

Tgt Ion:117 Resp: 13991

Ion Ratio Lower Upper

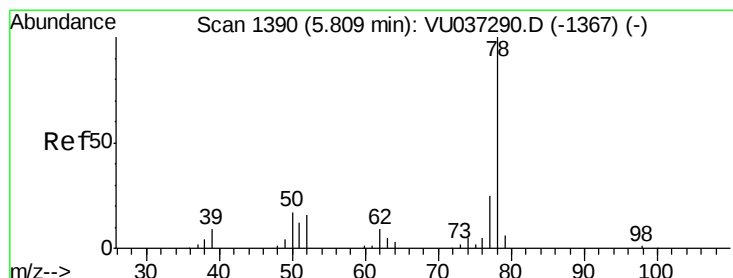
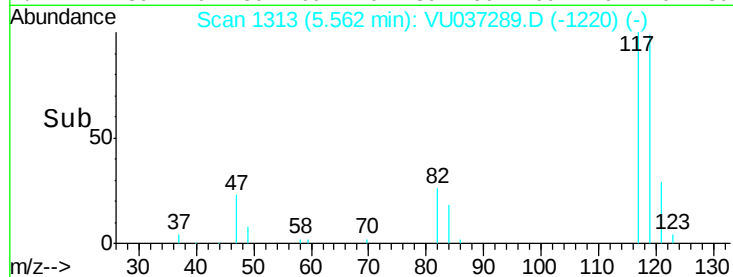
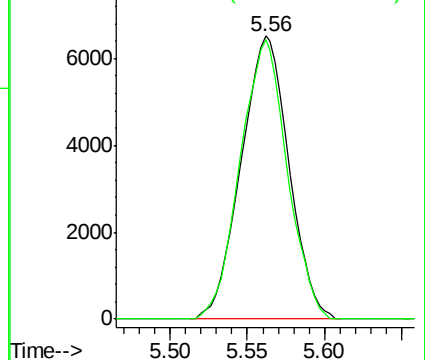
117 100

119 97.1 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.92 ug/L

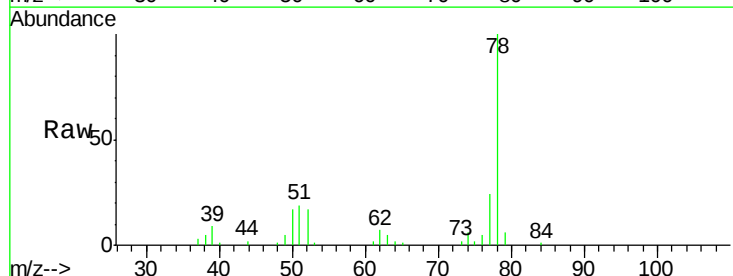
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

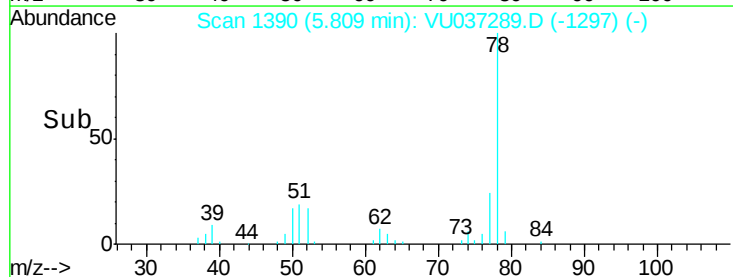
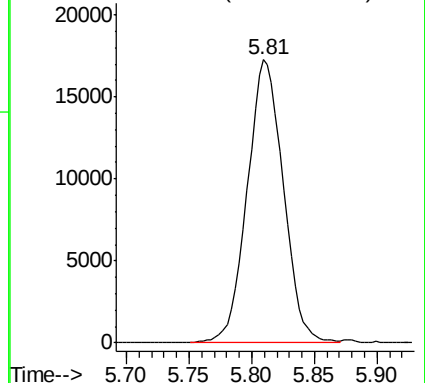
Lab File: VU037289.D

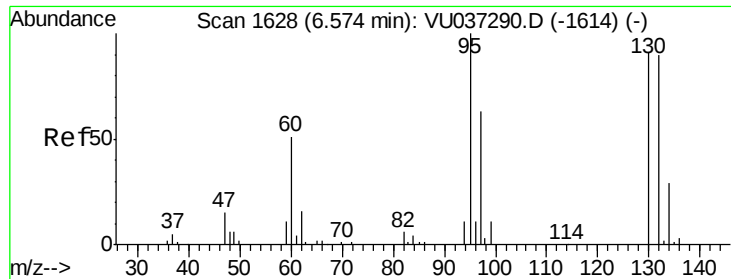
Acq: 16 Mar 2020 12:05

Tgt Ion: 78 Resp: 34646



Abundance Ion 78.10 (77.80 to 78.80): VU0

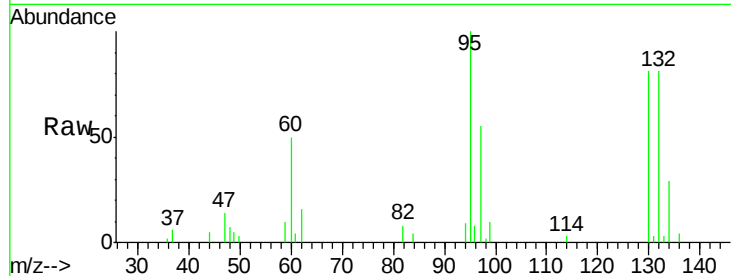




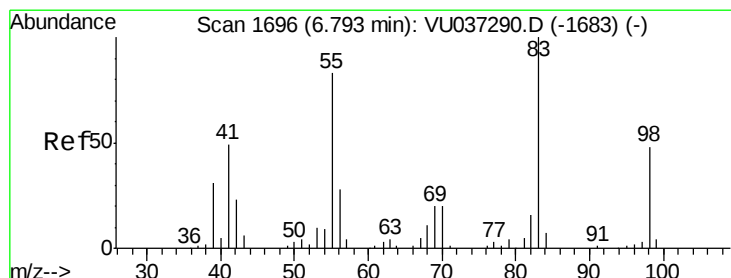
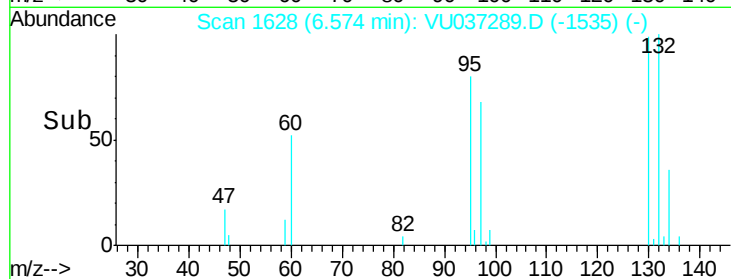
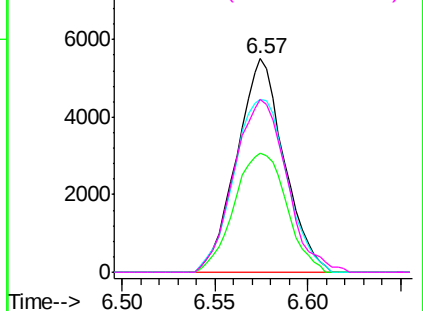
#34
 Trichloroethene
 Concen: 0.96 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU037289.D
 Acq: 16 Mar 2020 12:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

Tgt Ion: 95 Resp: 9756
 Ion Ratio Lower Upper
 95 100
 97 55.5 44.3 82.3
 132 81.2 63.2 117.4
 130 80.7 64.0 119.0

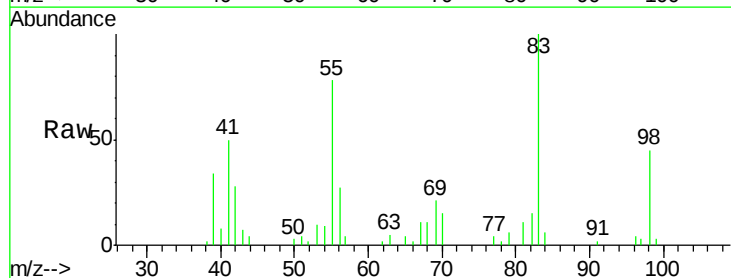


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

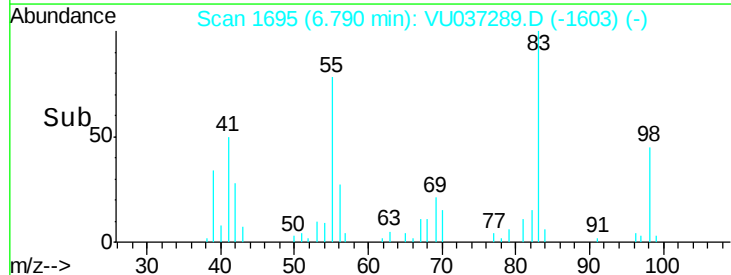
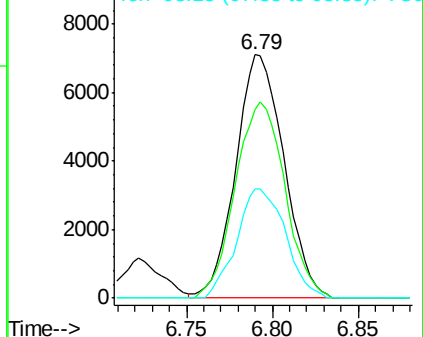


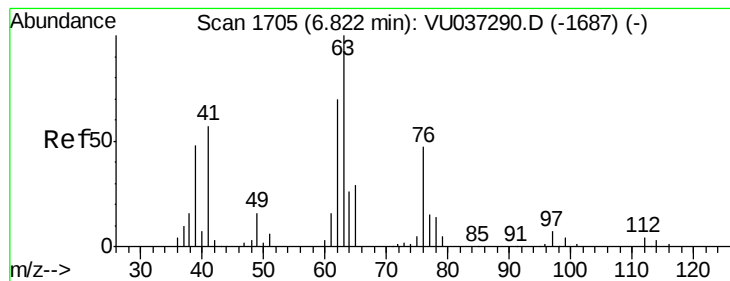
#35
 Methylcyclohexane
 Concen: 0.88 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU037289.D
 Acq: 16 Mar 2020 12:05

Tgt Ion: 83 Resp: 13824
 Ion Ratio Lower Upper
 83 100
 55 83.0 67.0 100.6
 98 45.3 37.4 56.0



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: 0.94 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037289.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

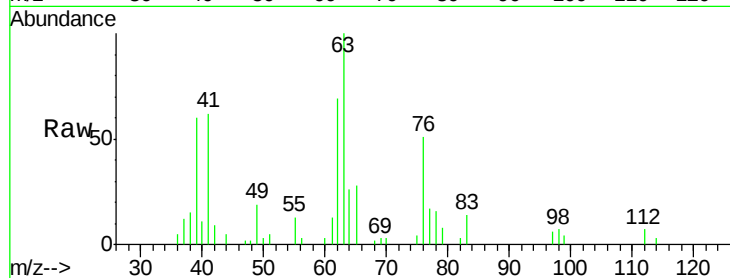
VSTD00101

Tgt Ion: 63 Resp: 9282

Ion Ratio Lower Upper

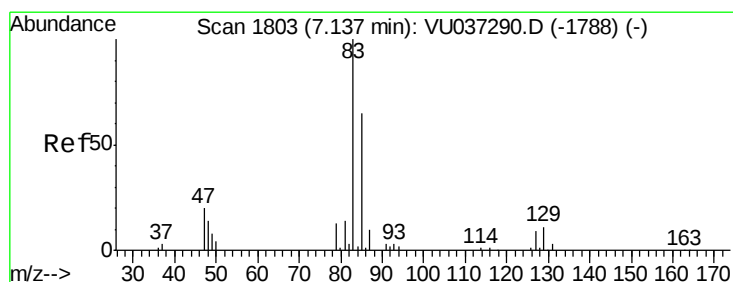
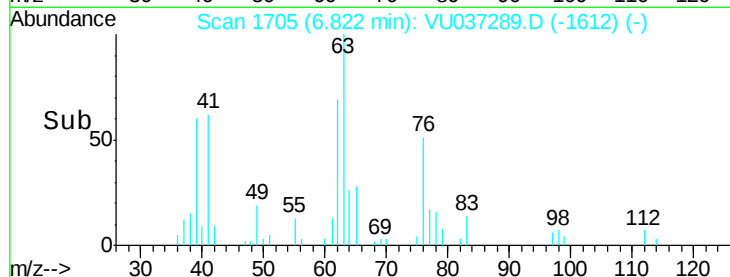
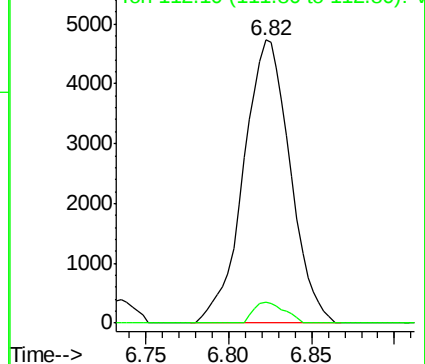
63 100

112 4.9 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU037289.D (-1612) (-)

Ion 112.10 (111.80 to 112.80): VU037289.D (-1612) (-)



#38

Bromodichloromethane

Concen: 0.97 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU037289.D

Acq: 16 Mar 2020 12:05

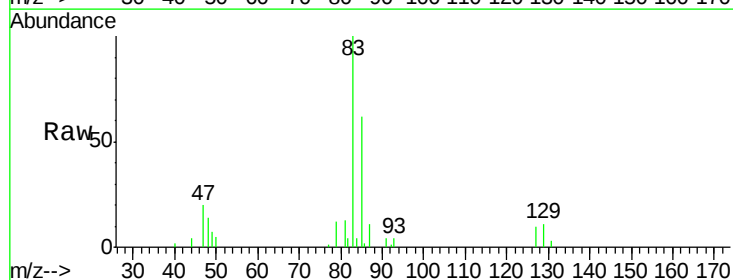
Tgt Ion: 83 Resp: 12939

Ion Ratio Lower Upper

83 100

85 62.1 45.8 85.0

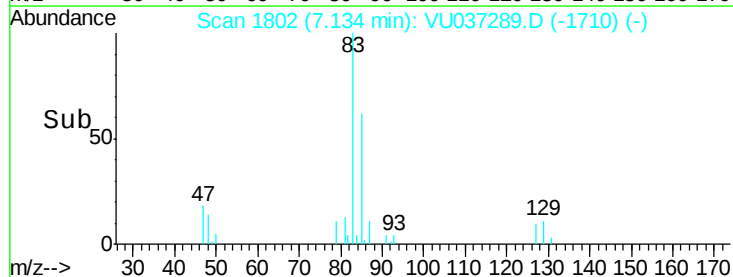
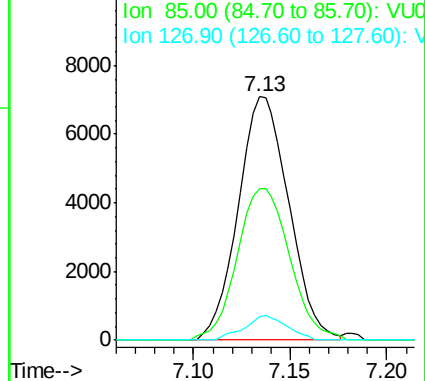
127 9.7 7.0 10.6

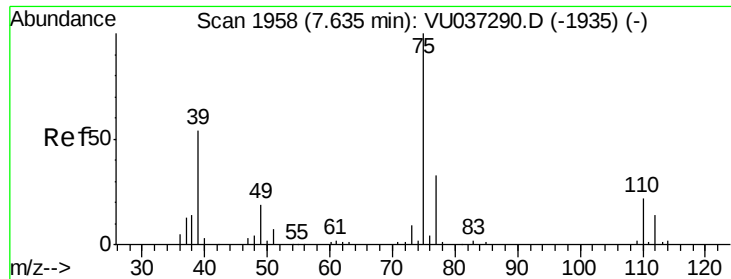


Abundance Ion 82.95 (82.65 to 83.65): VU037289.D (-1710) (-)

Ion 85.00 (84.70 to 85.70): VU037289.D (-1710) (-)

Ion 126.90 (126.60 to 127.60): VU037289.D (-1710) (-)

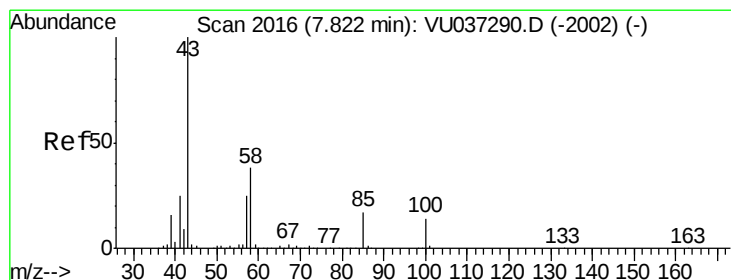
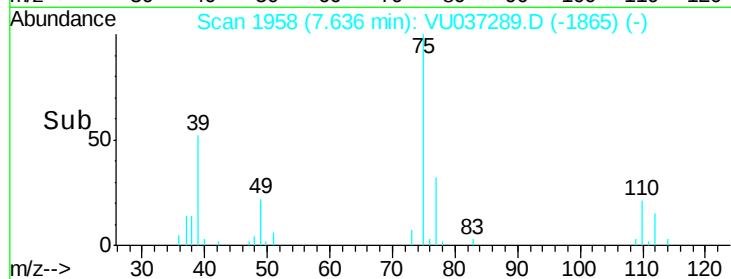
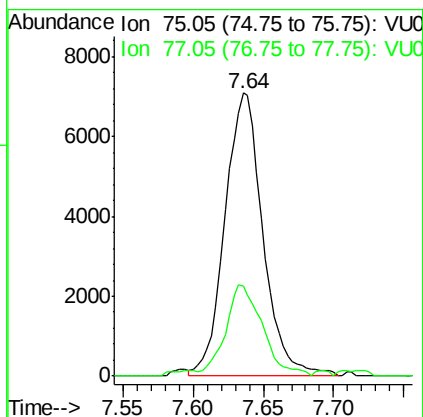
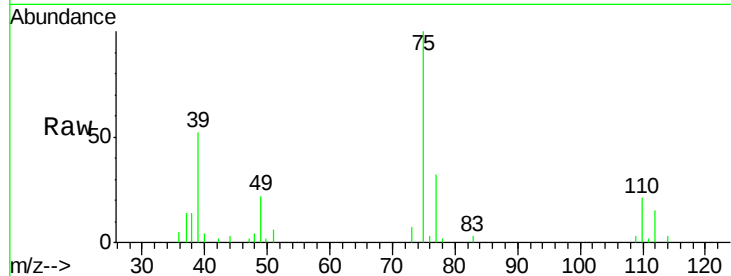




#39
 cis-1,3-Dichloropropene
 Concen: 0.93 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU037289.D
 Acq: 16 Mar 2020 12:05

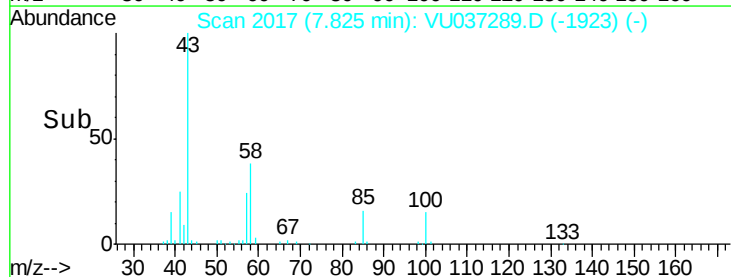
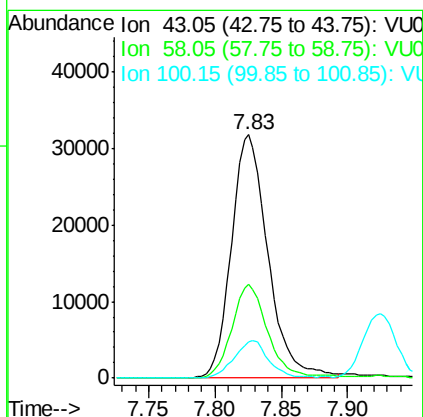
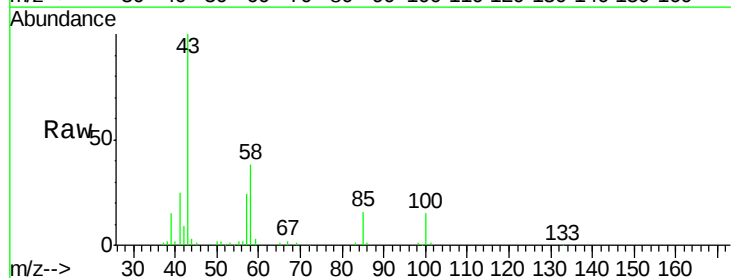
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

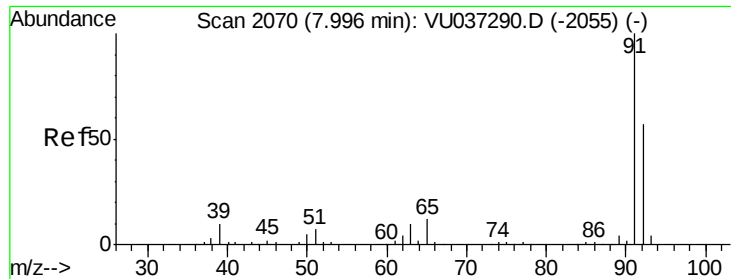
Tgt Ion: 75 Resp: 13380
 Ion Ratio Lower Upper
 75 100
 77 31.8 23.0 42.8



#40
 4-Methyl-2-pentanone
 Concen: 8.75 ug/L
 RT: 7.83 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: VU037289.D
 Acq: 16 Mar 2020 12:05

Tgt Ion: 43 Resp: 61167
 Ion Ratio Lower Upper
 43 100
 58 38.0 29.8 44.8
 100 14.5 11.3 16.9





#42

Toluene

Concen: 0.91 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037289.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

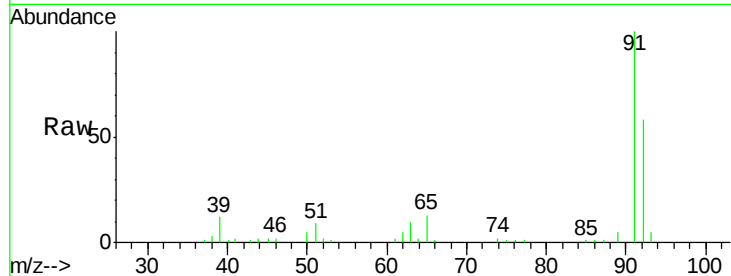
VSTD00101

Tgt Ion: 91 Resp: 36640

Ion Ratio Lower Upper

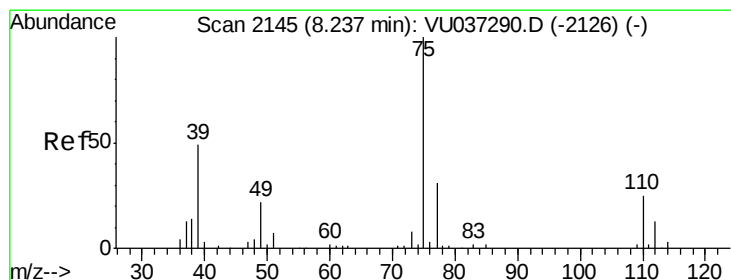
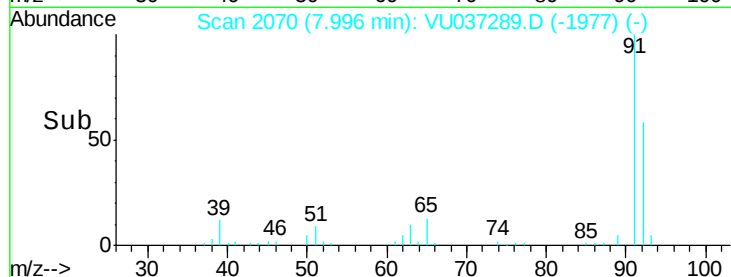
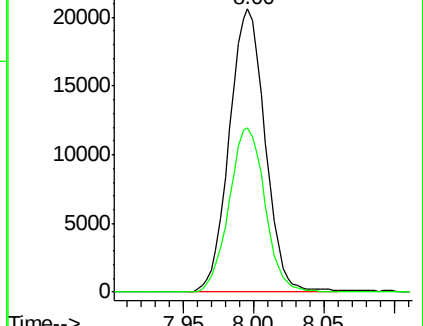
91 100

92 57.9 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VU037290.D (-2055) (-)

Ion 92.15 (91.85 to 92.85): VU037290.D (-2055) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.93 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU037289.D

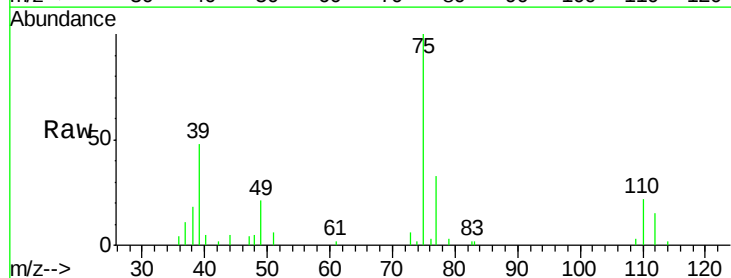
Acq: 16 Mar 2020 12:05

Tgt Ion: 75 Resp: 11169

Ion Ratio Lower Upper

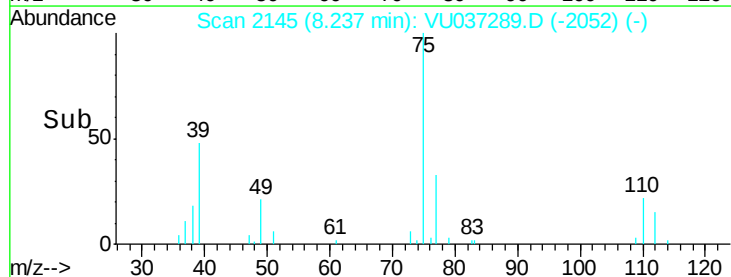
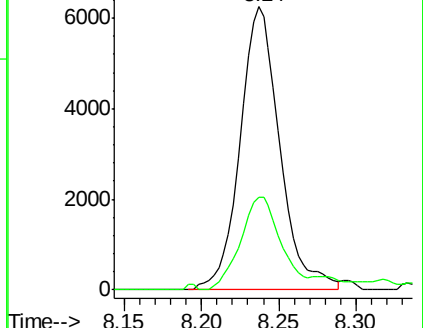
75 100

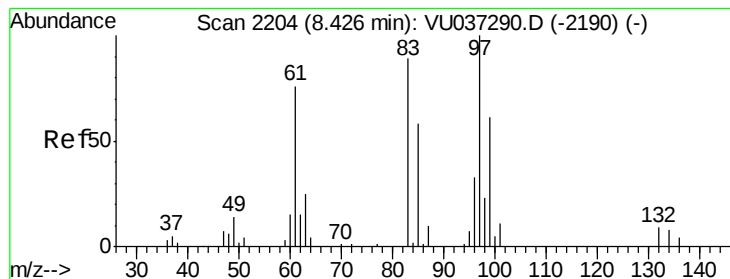
77 32.7 21.9 40.7



Abundance Ion 75.05 (74.75 to 75.75): VU037290.D (-2126) (-)

Ion 77.05 (76.75 to 77.75): VU037290.D (-2126) (-)





#45

1,1,2-Trichloroethane

Concen: 0.96 ug/L

RT: 8.43 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VU037289.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

Tgt Ion: 97 Resp: 6870

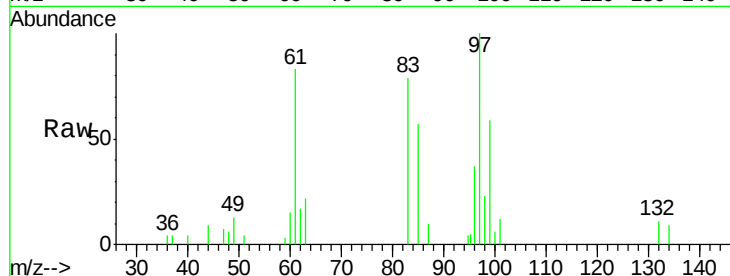
Ion Ratio Lower Upper

97 100

99 59.1 42.8 79.6

83 78.9 62.4 115.8

85 57.3 40.7 75.7

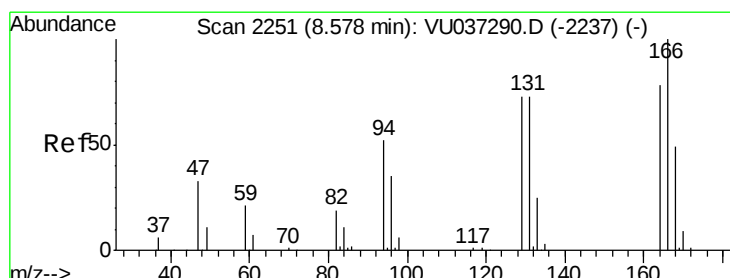
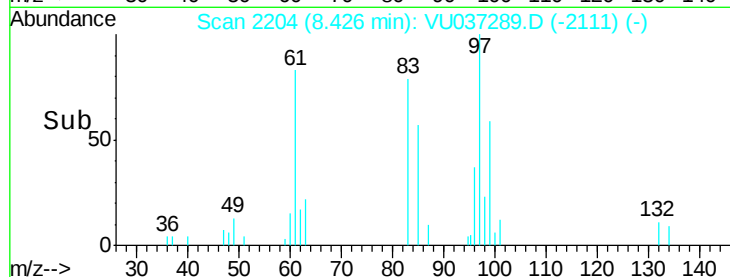
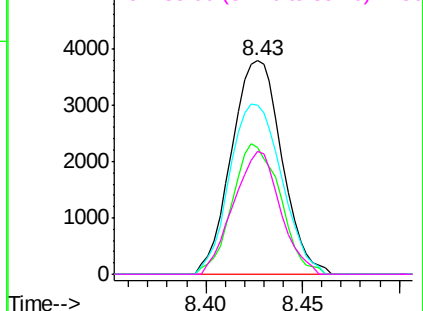


Abundance Ion 96.95 (96.65 to 97.65): VU037289.D (-2190) (-)

Ion 99.05 (98.75 to 99.75): VU037289.D (-2190) (-)

Ion 82.95 (82.65 to 83.65): VU037289.D (-2190) (-)

Ion 85.00 (84.70 to 85.70): VU037289.D (-2190) (-)



#47

Tetrachloroethene

Concen: 0.94 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037289.D

Acq: 16 Mar 2020 12:05

Tgt Ion: 164 Resp: 7463

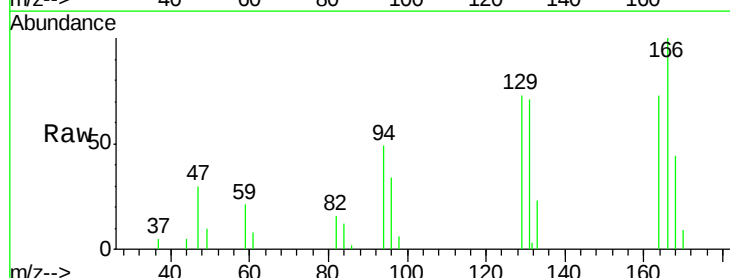
Ion Ratio Lower Upper

164 100

129 100.4 65.8 122.2

131 97.5 65.1 120.9

166 137.9 89.7 166.5

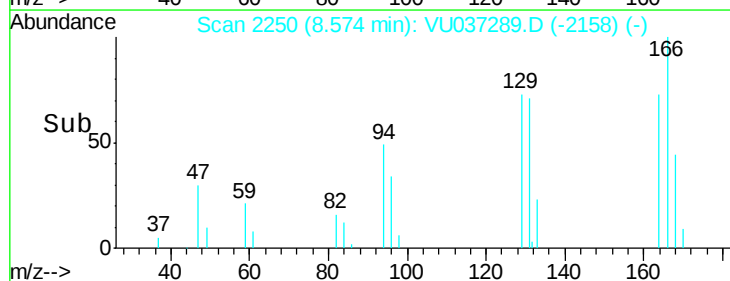
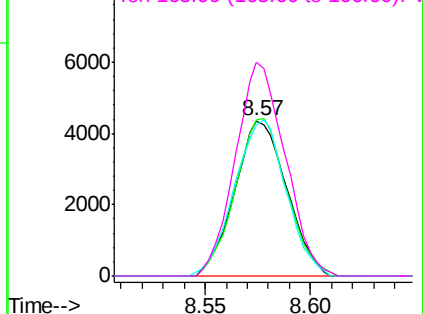


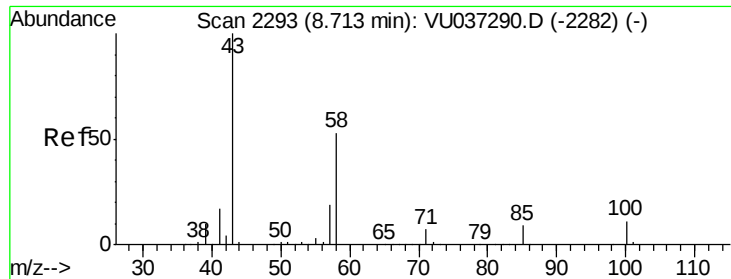
Abundance Ion 163.90 (163.60 to 164.60): VU037289.D (-2158) (-)

Ion 128.95 (128.65 to 129.65): VU037289.D (-2158) (-)

Ion 130.95 (130.65 to 131.65): VU037289.D (-2158) (-)

Ion 165.90 (165.60 to 166.60): VU037289.D (-2158) (-)

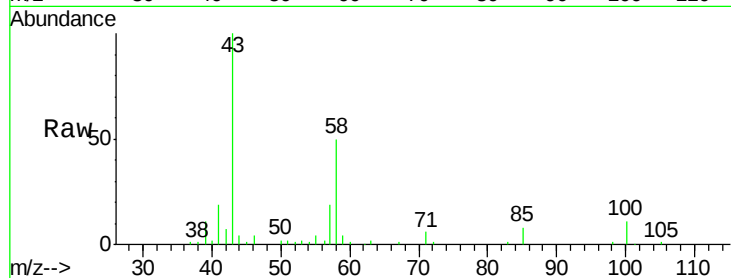




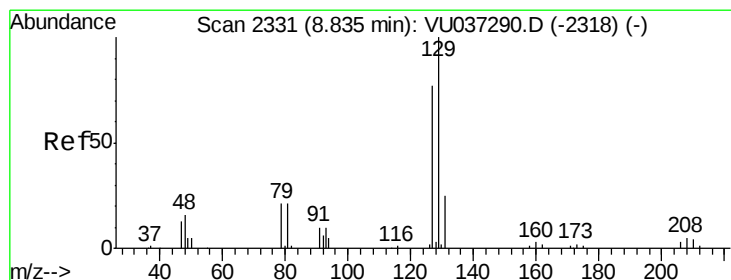
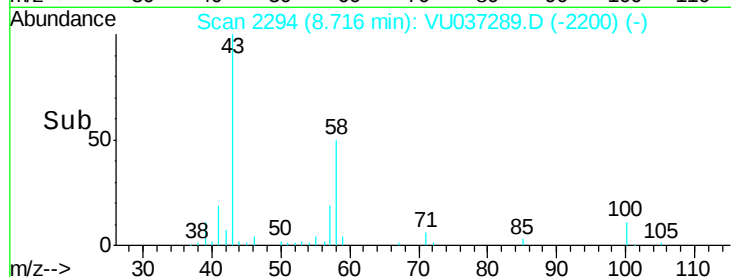
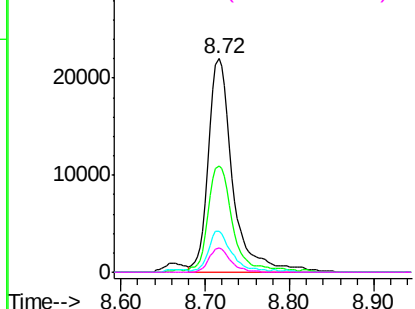
#48
2-Hexanone
Concen: 9.20 ug/L
RT: 8.72 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VU037289.D
Acq: 16 Mar 2020 12:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

Tgt Ion: 43 Resp: 44545
Ion Ratio Lower Upper
43 100
58 46.7 41.9 62.9
57 16.8 14.7 22.1
100 9.9 8.6 13.0

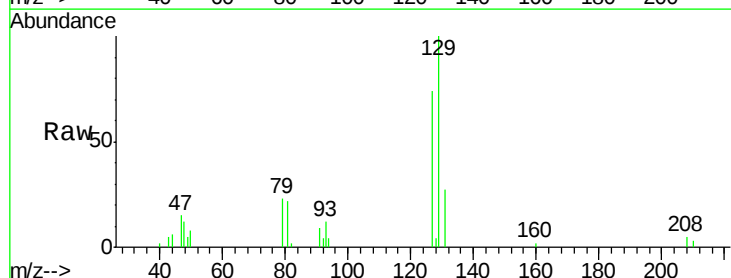


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

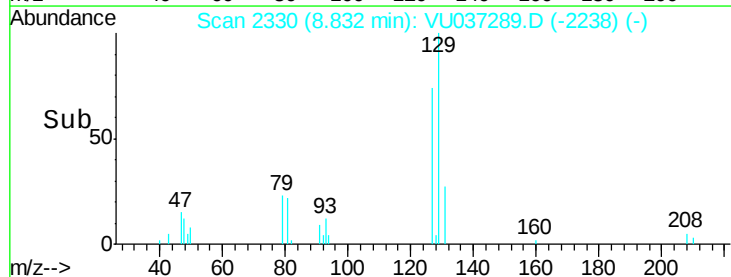
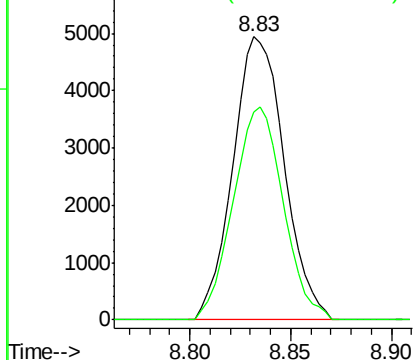


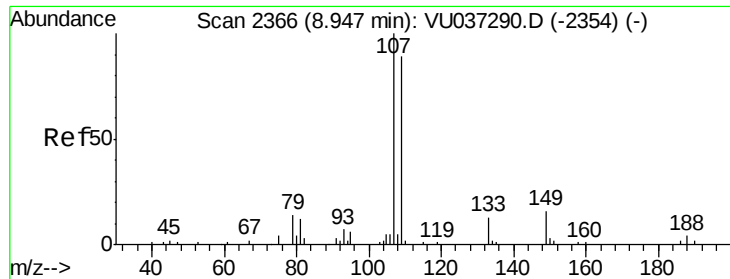
#49
Dibromochloromethane
Concen: 1.01 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU037289.D
Acq: 16 Mar 2020 12:05

Tgt Ion: 129 Resp: 8816
Ion Ratio Lower Upper
129 100
127 73.6 53.6 99.6



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

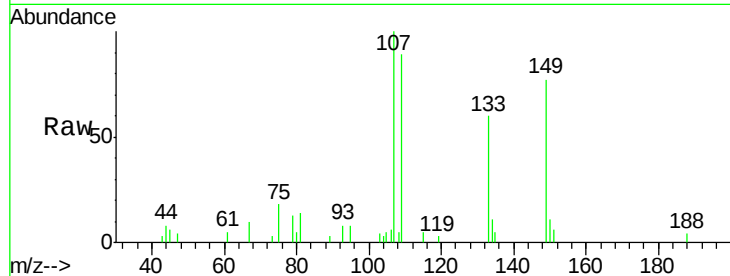




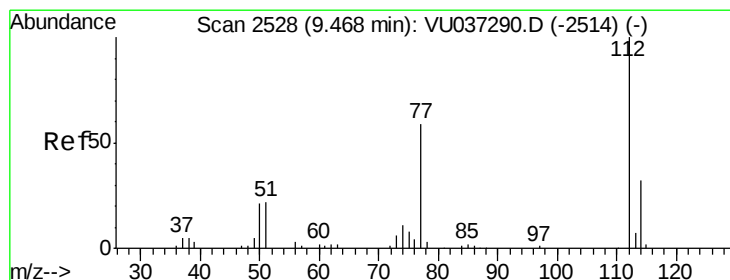
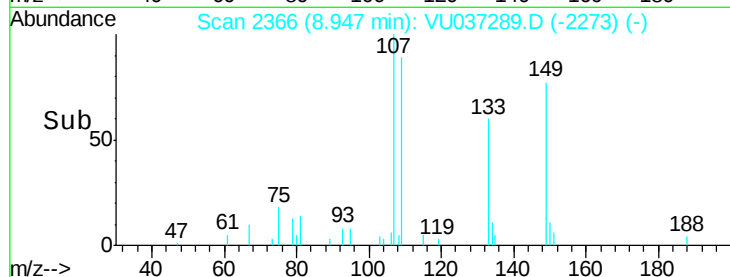
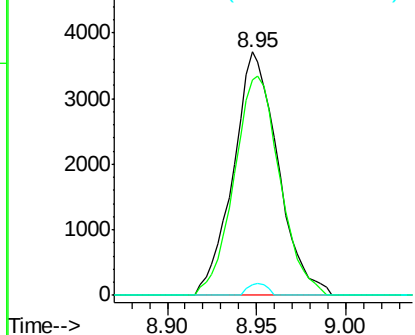
#50
1,2-Dibromoethane
Concen: 0.96 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU037289.D
Acq: 16 Mar 2020 12:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

Tgt Ion:107 Resp: 6516
Ion Ratio Lower Upper
107 100
109 88.6 62.3 115.7
188 4.1 3.0 4.6

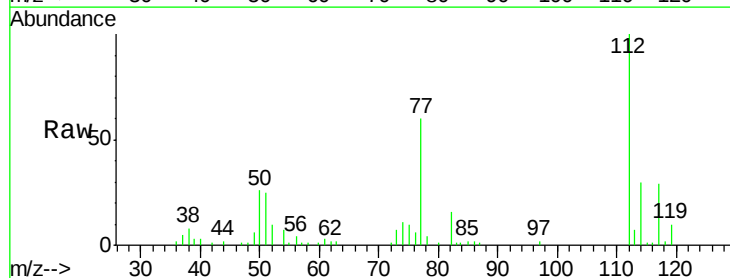


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

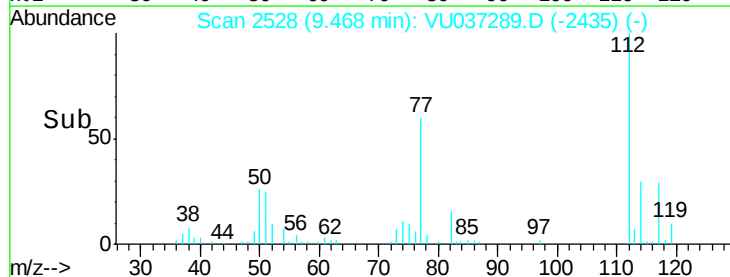
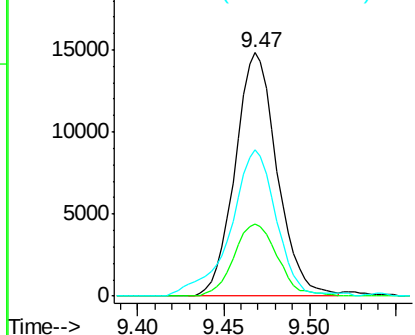


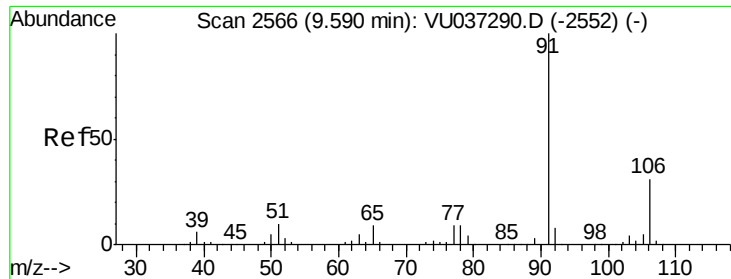
#51
Chlorobenzene
Concen: 0.96 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU037289.D
Acq: 16 Mar 2020 12:05

Tgt Ion:112 Resp: 25148
Ion Ratio Lower Upper
112 100
114 29.6 22.1 41.1
77 59.9 47.8 71.6



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 0.91 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037289.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampled :

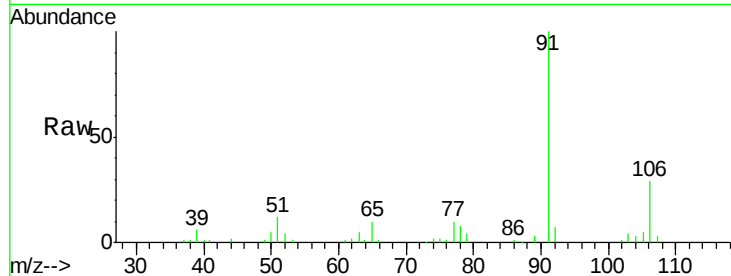
VSTD00101

Tgt Ion: 91 Resp: 40484

Ion Ratio Lower Upper

91 100

106 29.3 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU037289.D (-2552) (-)

Ion 106.15 (105.85 to 106.85): VU037289.D (-2473) (-)

9.59

25000

20000

15000

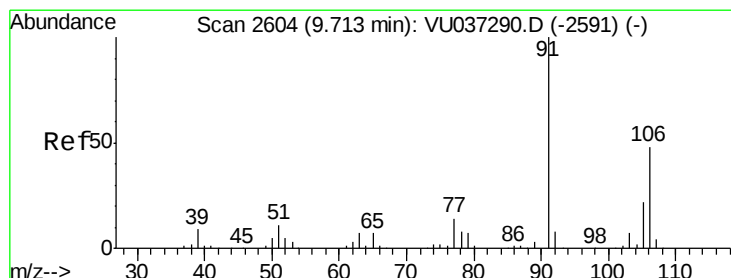
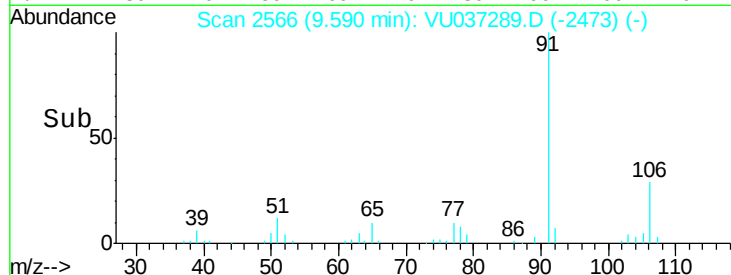
10000

5000

0

Time-->

9.50 9.55 9.60 9.65 9.70



#53

m,p-Xylene

Concen: 0.91 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037289.D

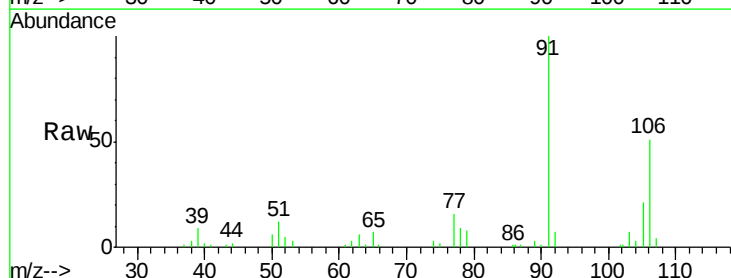
Acq: 16 Mar 2020 12:05

Tgt Ion: 106 Resp: 14689

Ion Ratio Lower Upper

106 100

91 195.0 147.2 273.4



Abundance Ion 106.15 (105.85 to 106.85): VU037289.D (-2591) (-)

Ion 91.15 (90.85 to 91.85): VU037289.D (-2511) (-)

9.71

20000

15000

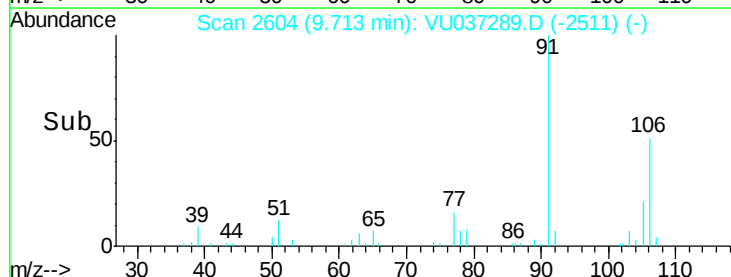
10000

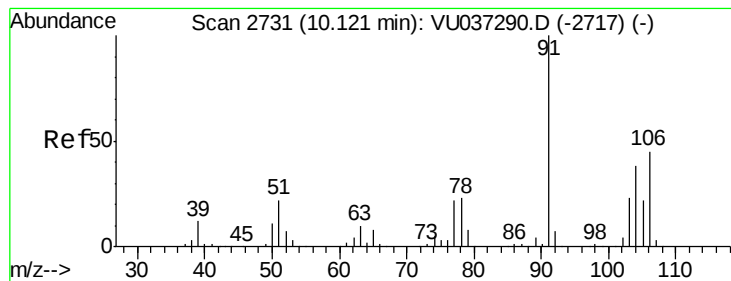
5000

0

Time-->

9.65 9.70 9.75 9.80





#54

o-Xylene

Concen: 0.91 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU037289.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

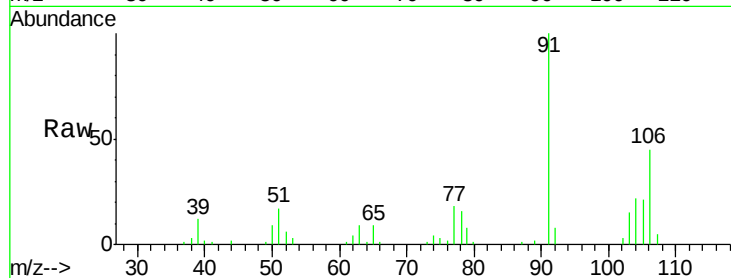
VSTD00101

Tgt Ion:106 Resp: 14330

Ion Ratio Lower Upper

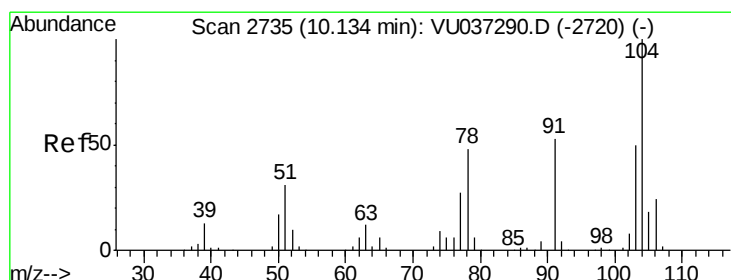
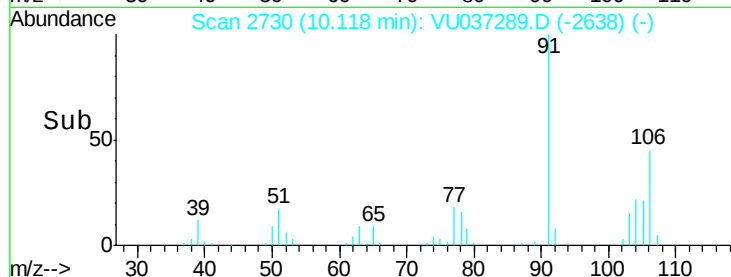
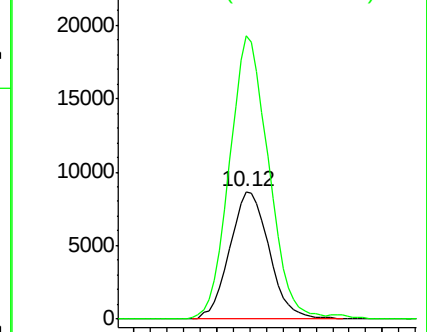
106 100

91 221.7 155.8 289.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 0.87 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VU037289.D

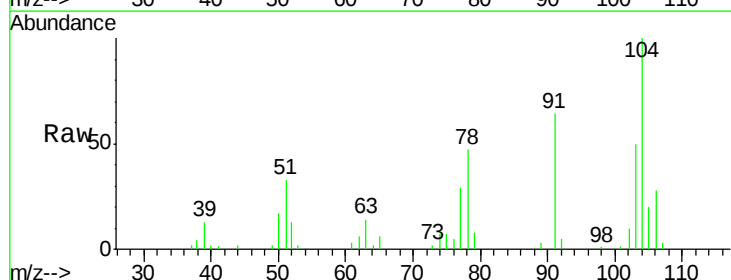
Acq: 16 Mar 2020 12:05

Tgt Ion:104 Resp: 22373

Ion Ratio Lower Upper

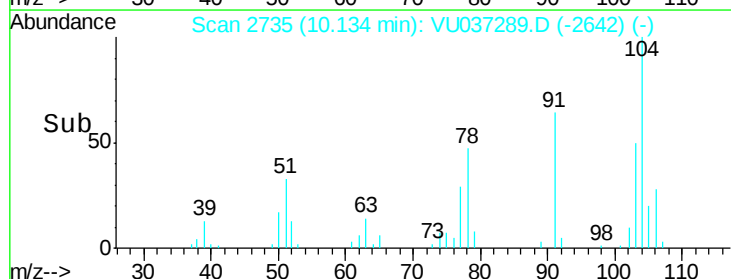
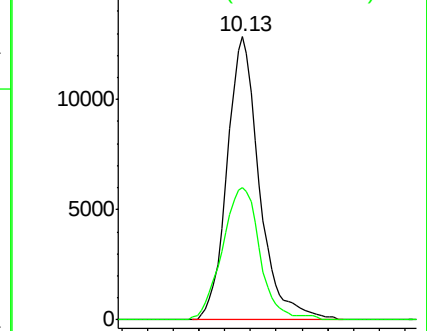
104 100

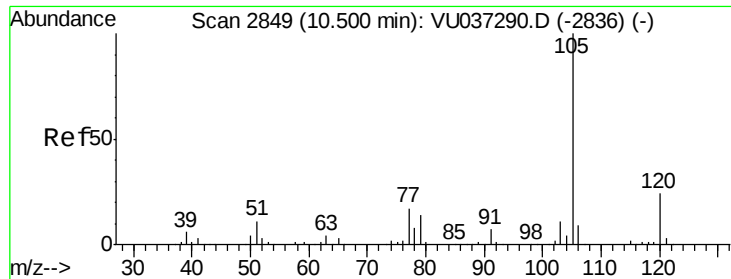
78 46.7 33.6 62.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.93 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037289.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

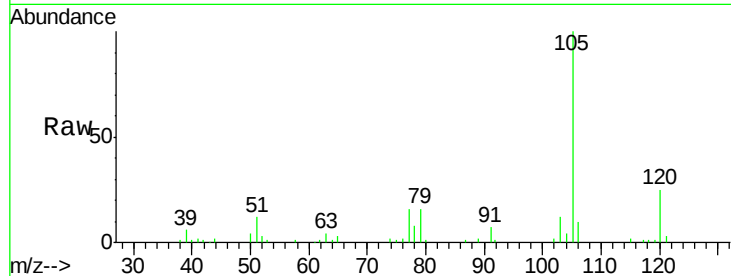
Tgt Ion: 105 Resp: 39403

Ion Ratio Lower Upper

105 100

120 25.7 20.2 30.2

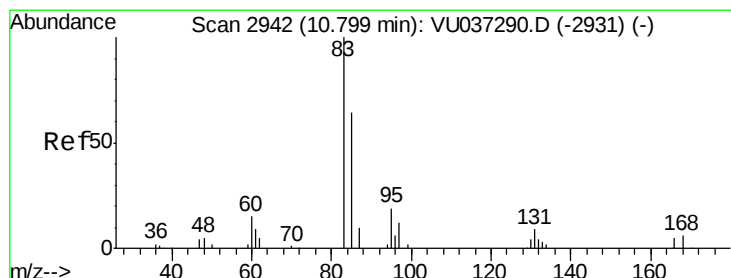
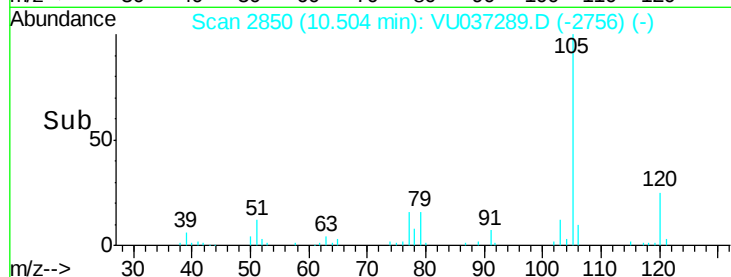
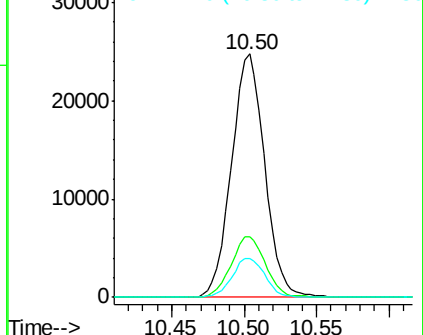
77 15.7 13.8 20.6



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: 0.99 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037289.D

Acq: 16 Mar 2020 12:05

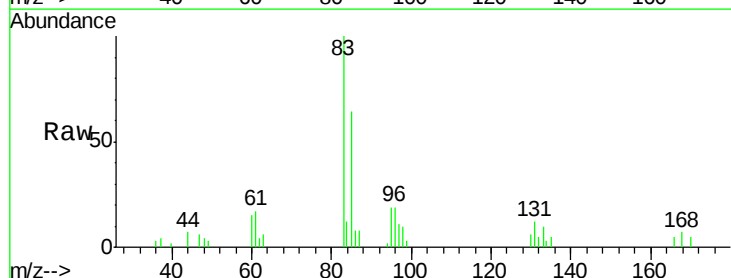
Tgt Ion: 83 Resp: 8764

Ion Ratio Lower Upper

83 100

85 64.1 45.9 85.3

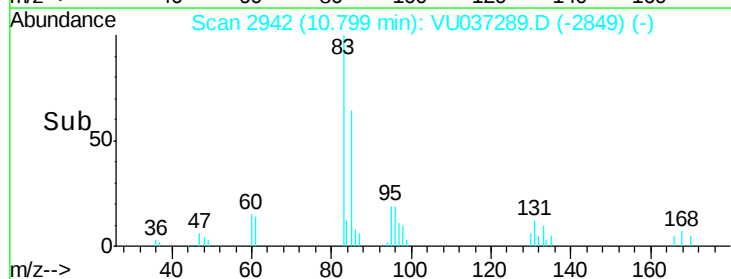
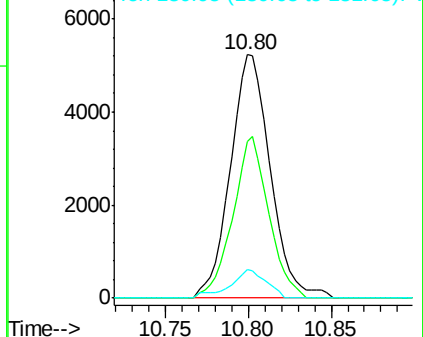
131 11.6 7.5 11.3#

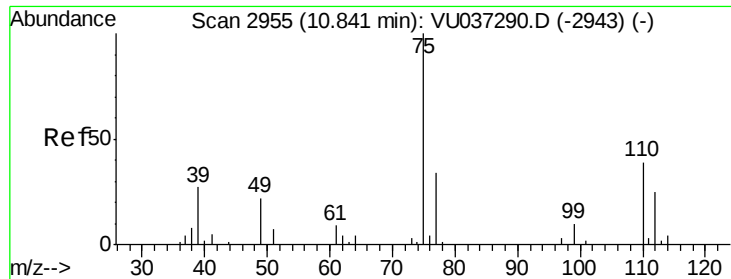


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.92 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037289.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

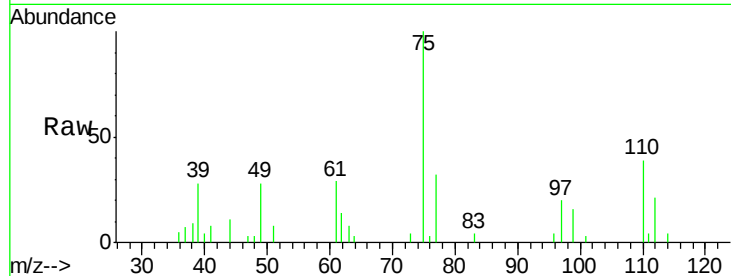
VSTD00101

Tgt Ion: 75 Resp: 6556

Ion Ratio Lower Upper

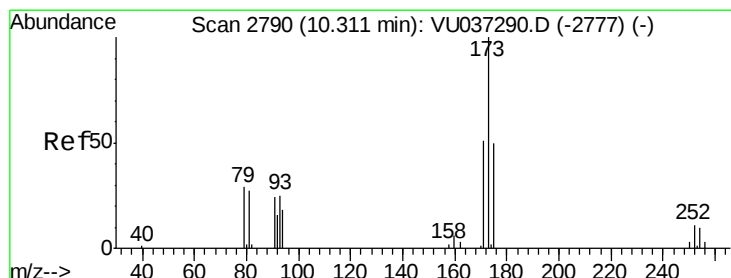
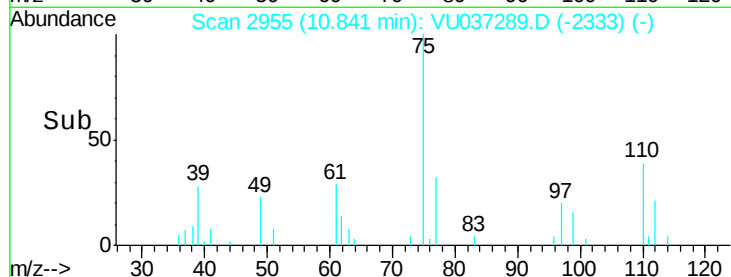
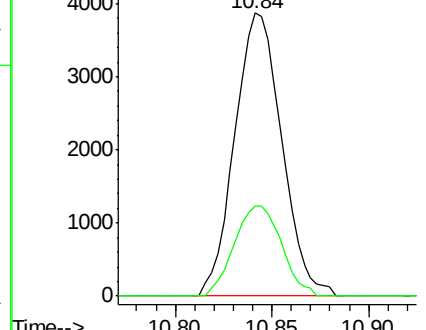
75 100

77 32.0 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU037290.D (-2943) (-)

Ion 77.00 (76.70 to 77.70): VU037290.D (-2943) (-)



#61

Bromoform

Concen: 1.14 ug/L

RT: 10.31 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VU037289.D

Acq: 16 Mar 2020 12:05

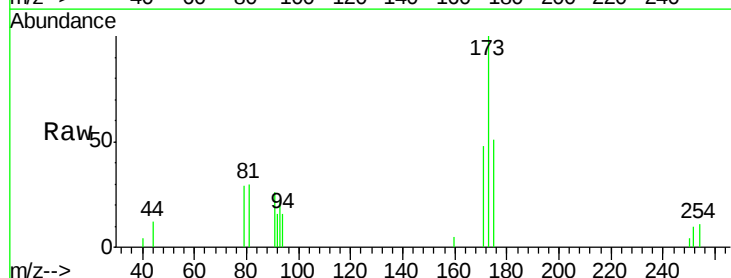
Tgt Ion: 173 Resp: 5009

Ion Ratio Lower Upper

173 100

175 45.5 38.2 57.2

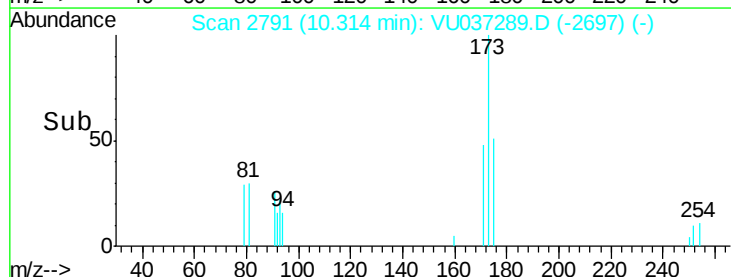
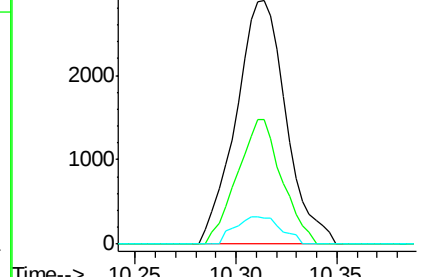
254 10.4 7.8 11.8

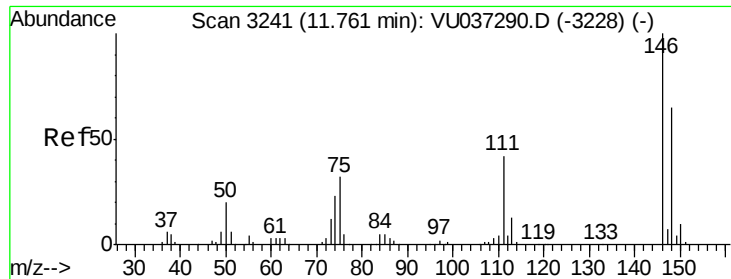


Abundance Ion 172.90 (172.60 to 173.60): VU037290.D (-2777) (-)

Ion 174.90 (174.60 to 175.60): VU037290.D (-2777) (-)

Ion 253.75 (253.45 to 254.45): VU037290.D (-2777) (-)





#62

1,3-Dichlorobenzene

Concen: 1.02 ug/L

RT: 11.76 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VU037289.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampled :

VSTD00101

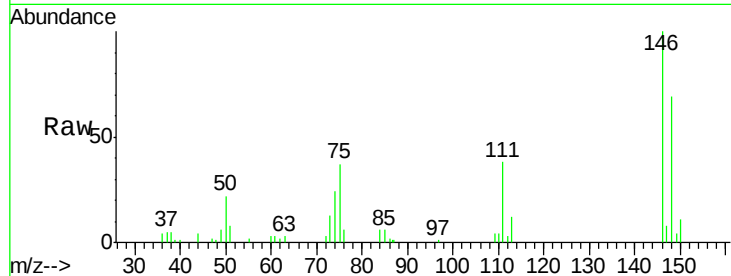
Tgt Ion:146 Resp: 18841

Ion Ratio Lower Upper

146 100

111 38.1 29.6 55.0

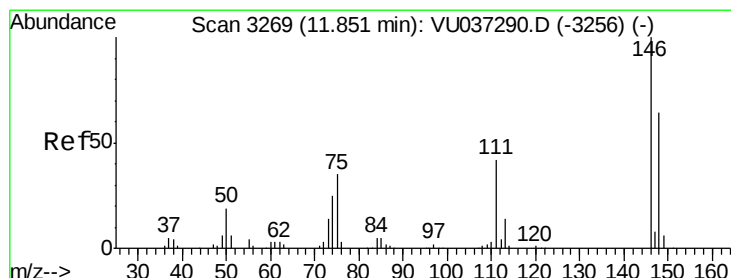
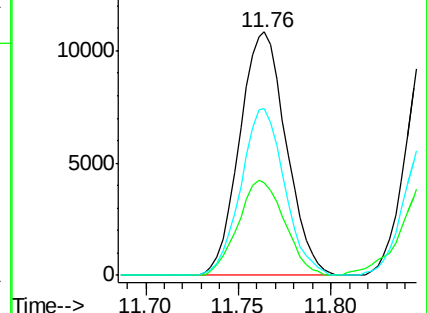
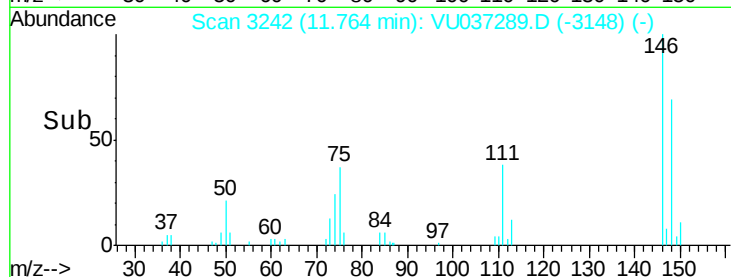
148 68.8 45.6 84.8



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



#63

1,4-Dichlorobenzene

Concen: 1.00 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU037289.D

Acq: 16 Mar 2020 12:05

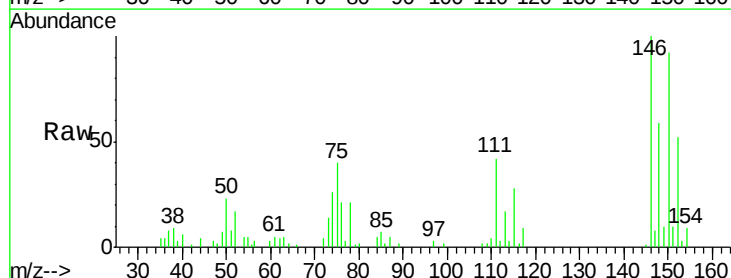
Tgt Ion:146 Resp: 18349

Ion Ratio Lower Upper

146 100

111 42.1 29.0 53.9

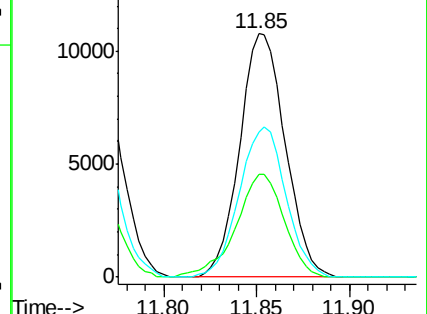
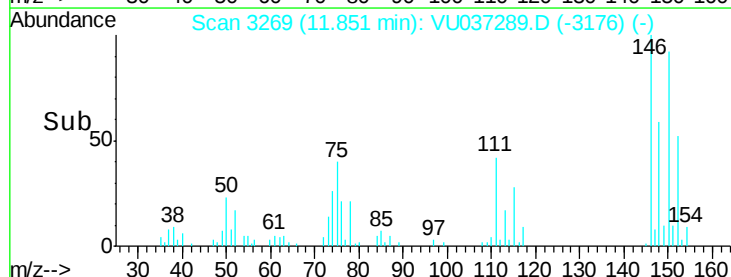
148 59.3 45.1 83.9

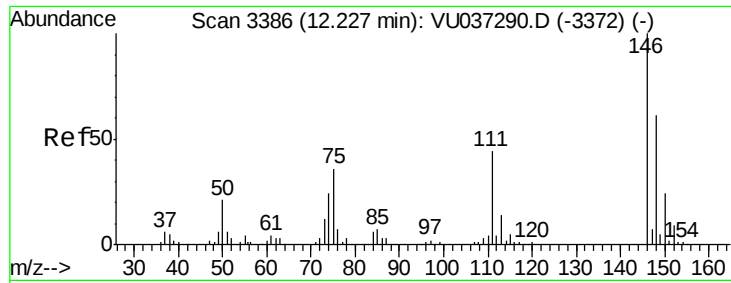


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.01 ug/L

RT: 12.23 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU037289.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

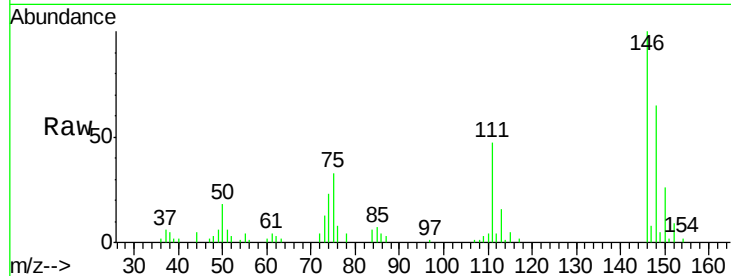
Tgt Ion:146 Resp: 17807

Ion Ratio Lower Upper

146 100

111 47.2 35.4 53.2

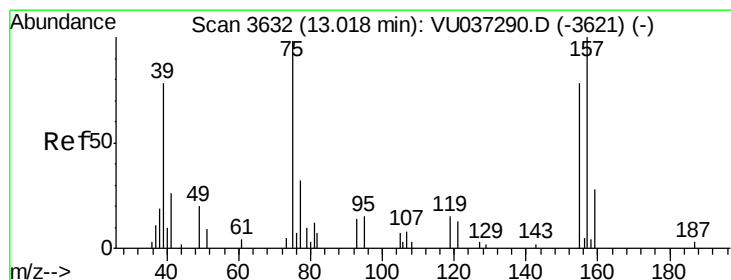
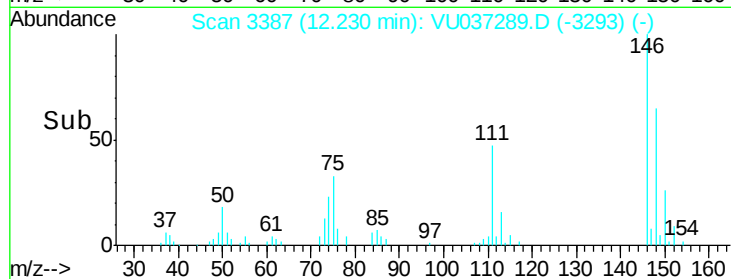
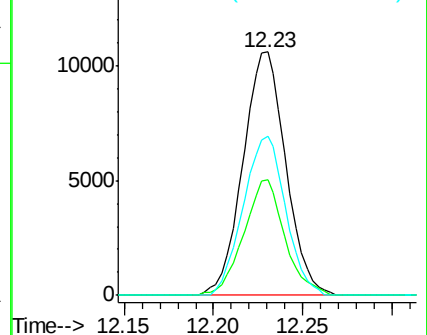
148 65.4 48.8 73.2



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: 1.00 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. 0.01 min

Lab File: VU037289.D

Acq: 16 Mar 2020 12:05

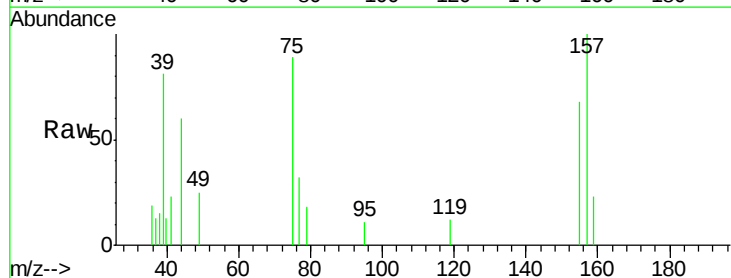
Tgt Ion: 75 Resp: 1348

Ion Ratio Lower Upper

75 100

155 76.0 63.7 95.5

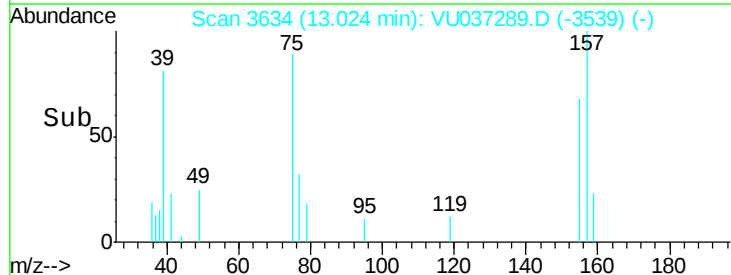
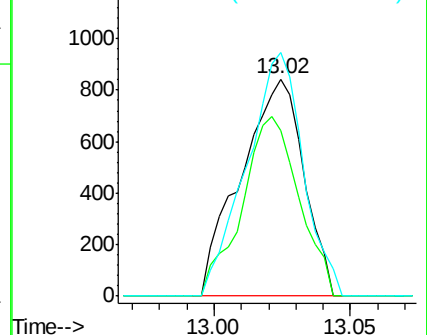
157 112.2 81.5 122.3

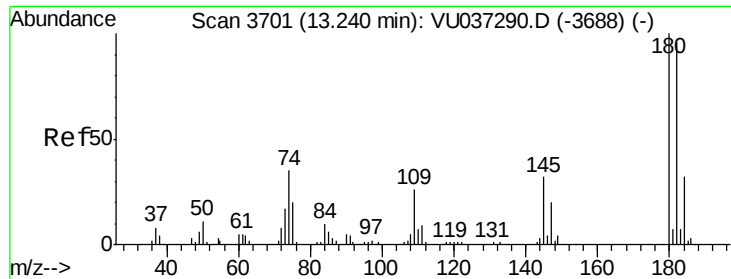


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

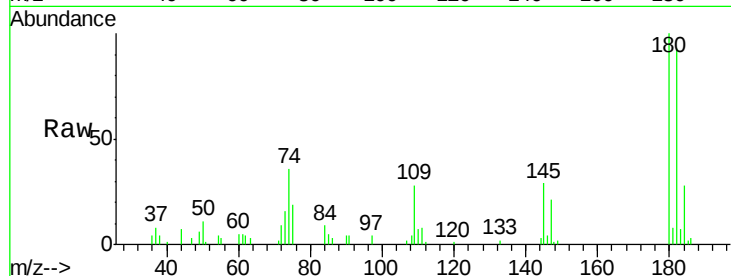




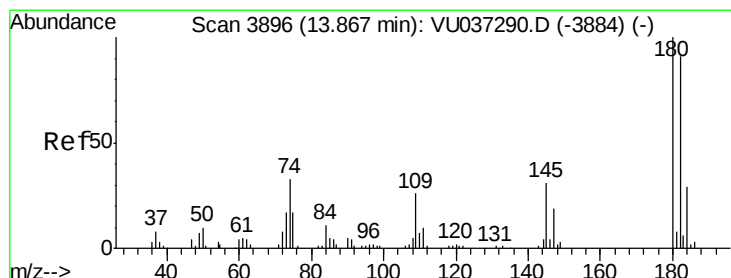
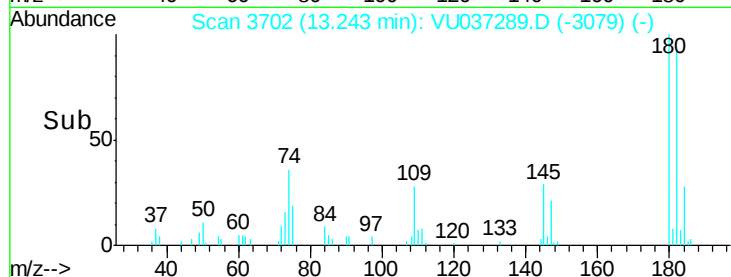
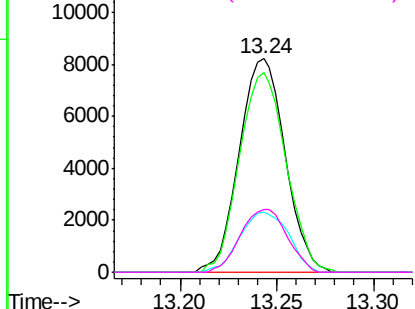
#67
 1,3,5-Trichlorobenzene
 Concen: 1.05 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU037289.D
 Acq: 16 Mar 2020 12:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

Tgt Ion:180 Resp: 13560
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.2 114.4
 184 30.1 24.4 36.6
 145 30.0 24.6 36.8

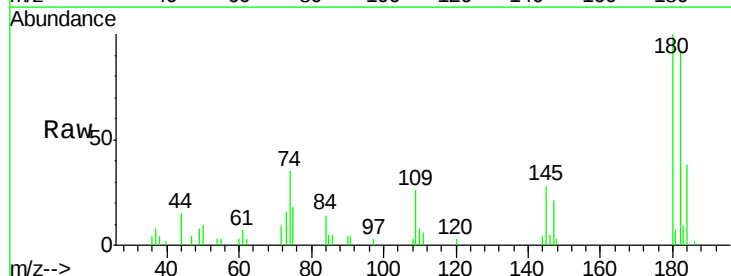


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

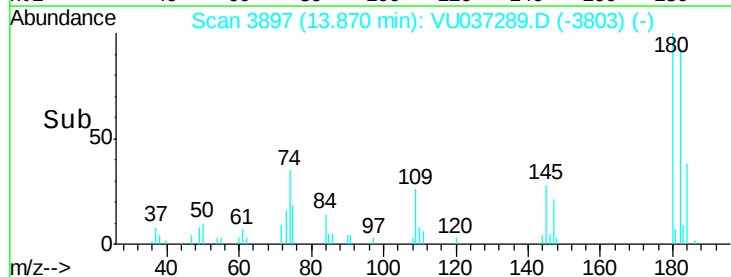
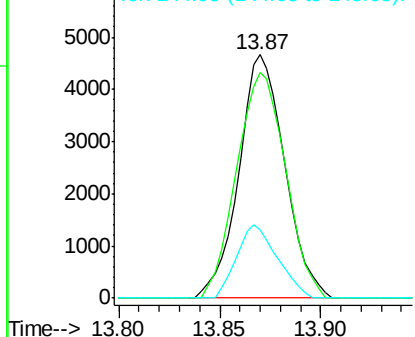


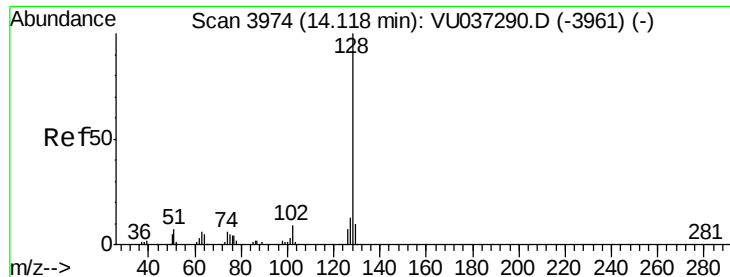
#68
 1,2,4-trichlorobenzene
 Concen: 0.84 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.00 min
 Lab File: VU037289.D
 Acq: 16 Mar 2020 12:05

Tgt Ion:180 Resp: 7431
 Ion Ratio Lower Upper
 180 100
 182 98.7 73.8 110.6
 145 26.7 24.6 36.8



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: 0.67 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VU037289.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

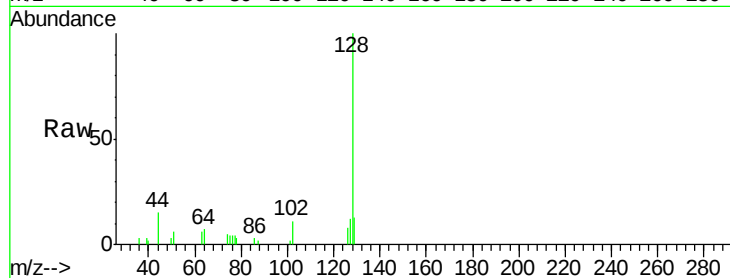
Tgt Ion:128 Resp: 8420

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

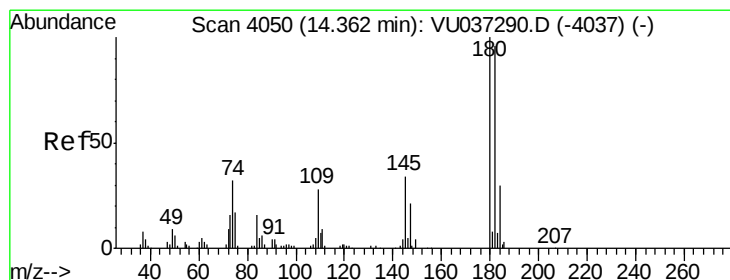
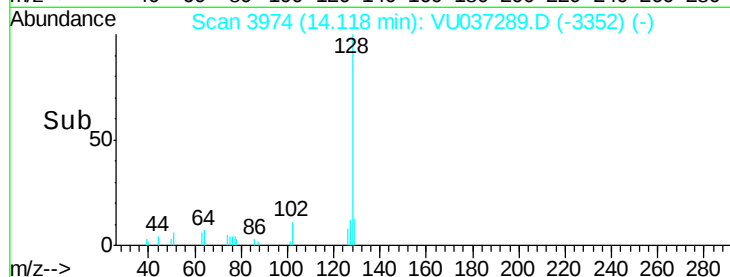
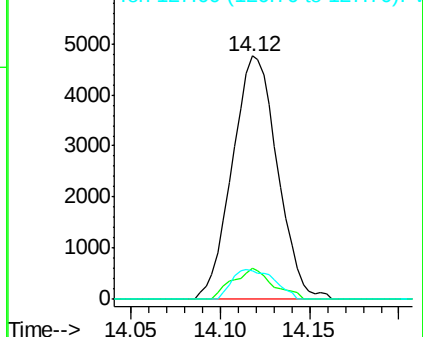
127 11.6 10.0 15.0



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: 0.90 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037289.D

Acq: 16 Mar 2020 12:05

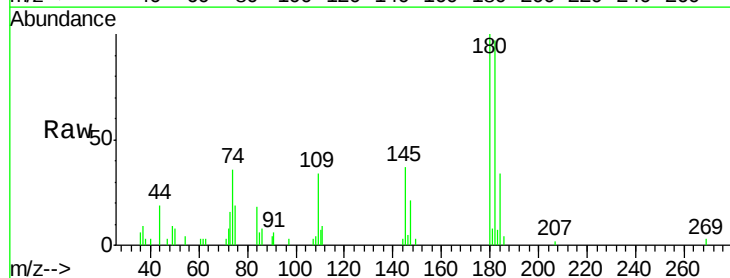
Tgt Ion:180 Resp: 7416

Ion Ratio Lower Upper

180 100

182 98.5 77.4 116.2

145 35.6 26.7 40.1



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

