

Data File : VU026548.D
Acq On : 05 Sep 2018 16:29
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

Quant Time: Sep 06 04:40:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 06 04:37:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	179394	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	171076	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	85514	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	47661	42.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.76%
7) Chloroethane-d5	1.68	69	43289	43.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.24%
11) 1,1-Dichloroethene-d2	2.27	63	94881	37.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.82%
21) 2-Butanone-d5	4.18	46	75228	87.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.20%
24) Chloroform-d	4.65	84	92252	43.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.88%
26) 1,2-Dichloroethane-d4	5.31	65	59911	42.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.74%
32) Benzene-d6	5.34	84	176083	44.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.32%
36) 1,2-Dichloropropane-d6	6.33	67	61377	45.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.62%
41) Toluene-d8	7.57	98	167812	44.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.18%
43) trans-1,3-Dichloropropene-	7.85	79	26718	43.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.38%
47) 2-Hexanone-d5	8.31	63	56957	91.68	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.68%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	87232	43.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.42%
64) 1,2-Dichlorobenzene-d4	11.86	152	70840	45.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.32%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	66890	47.820 ug/L	98
3) Chloromethane	1.33	50	79544	46.055 ug/L	99
5) Vinyl chloride	1.40	62	87271	46.608 ug/L	97
6) Bromomethane	1.62	94	47220	42.538 ug/L	100
8) Chloroethane	1.70	64	53760	47.820 ug/L	99
9) Trichlorofluoromethane	1.88	101	113760	47.778 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	61723	46.459 ug/L	98
12) 1,1-Dichloroethene	2.28	96	55587	43.411 ug/L	91
13) Acetone	2.32	43	65219	87.309 ug/L	100
14) Carbon disulfide	2.48	76	176280	48.646 ug/L	100
15) Methyl Acetate	2.62	43	72842	49.663 ug/L	100
16) Methylene chloride	2.70	84	67102	50.969 ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	58203	50.252 ug/L	99
18) Methyl tert-butyl Ether	3.00	73	186357	53.002 ug/L	99
19) 1,1-Dichloroethane	3.45	63	116707	51.281 ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	68190	52.555 ug/L	99
22) 2-Butanone	4.26	43	100475	100.068 ug/L	100

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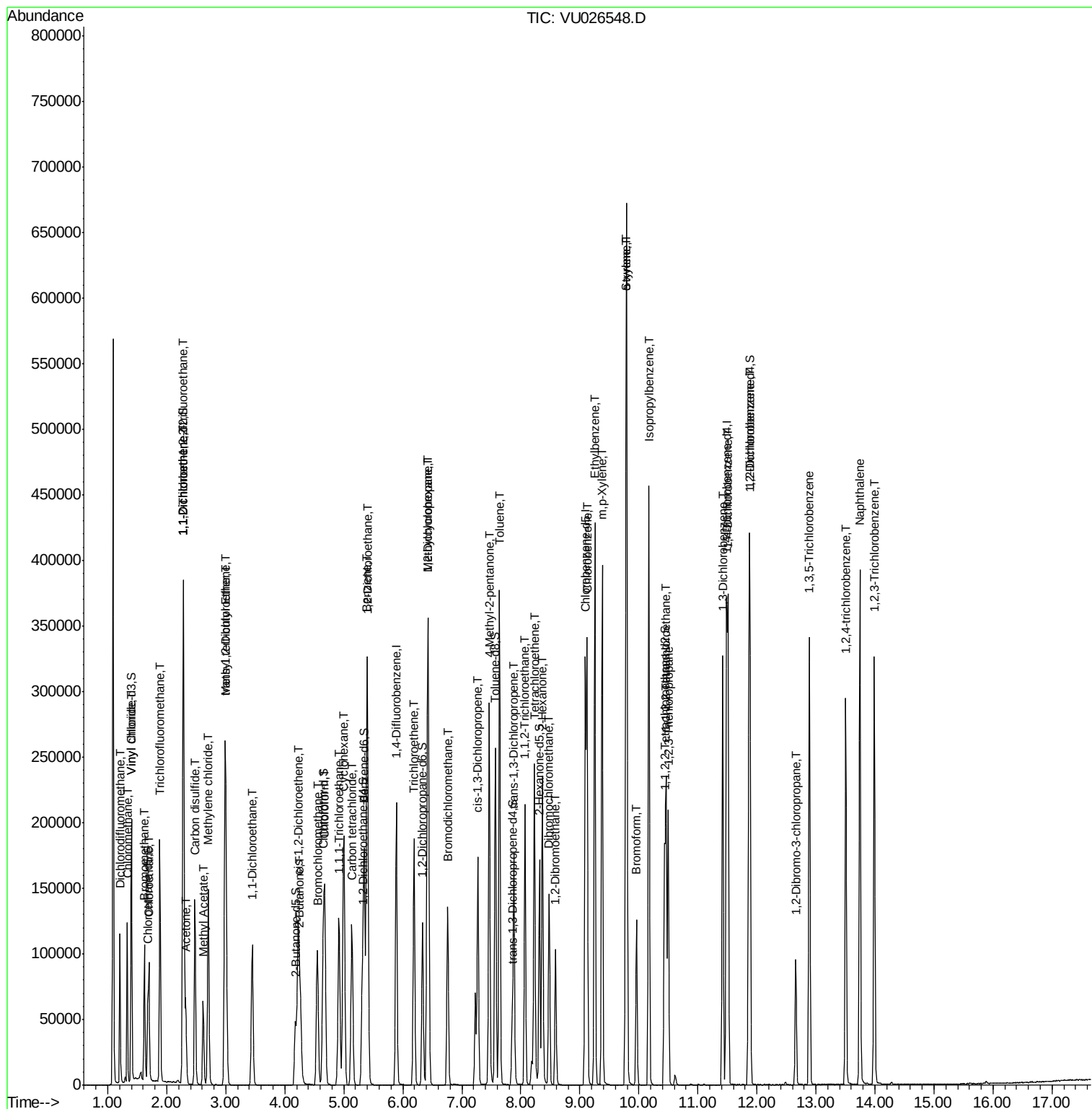
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	34915	52.231	ug/L	97
25) Chloroform	4.68	83	118962	51.184	ug/L	97
27) 1,2-Dichloroethane	5.41	62	94714	50.528	ug/L	99
29) Cyclohexane	5.00	56	101213	54.300	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	97852	51.977	ug/L	99
31) Carbon tetrachloride	5.14	117	87747	51.298	ug/L	98
33) Benzene	5.39	78	255948	52.186	ug/L	100
34) Trichloroethene	6.19	95	63427	51.558	ug/L	97
35) Methylcyclohexane	6.42	83	105619	54.983	ug/L	99
37) 1,2-Dichloropropane	6.44	63	73239	53.941	ug/L	99
38) Bromodichloromethane	6.76	83	89444	51.658	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	100533	51.964	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	193006	105.403	ug/L	99
42) Toluene	7.64	91	269447	52.650	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	94972	51.504	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	64653	51.978	ug/L	98
46) Tetrachloroethene	8.23	164	53078	52.772	ug/L	99
48) 2-Hexanone	8.36	43	149444	103.625	ug/L	99
49) Dibromochloromethane	8.48	129	73518	52.456	ug/L	100
50) 1,2-Dibromoethane	8.59	107	68320	51.581	ug/L	97
51) Chlorobenzene	9.12	112	174487	50.986	ug/L	98
52) Ethylbenzene	9.25	91	292479	52.547	ug/L	99
53) m,p-Xylene	9.38	106	112245	54.008	ug/L	96
54) o-xylene	9.78	106	109949	54.249	ug/L	99
55) Styrene	9.79	104	192094	54.256	ug/L	97
56) Isopropylbenzene	10.17	105	284805	53.683	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	111627	50.948	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	85210	50.295	ug/L	99
61) Bromoform	9.96	173	57213	54.208	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	132121	52.799	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	137656	52.010	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	141365	53.561	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	22811	51.399	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	106741	52.857	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	92899	52.669	ug/L	100
69) Naphthalene	13.74	128	301164	54.686	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	103947	53.671	ug/L	98

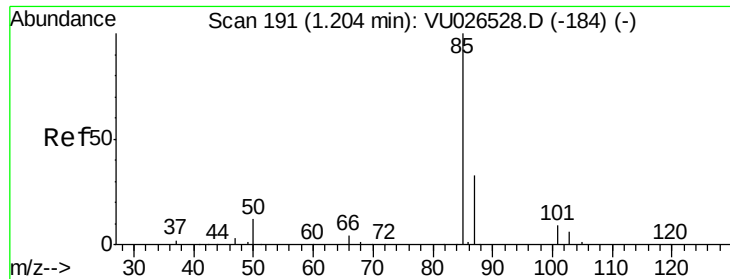
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 47.820 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU026548.D

Acq: 05 Sep 2018 16:29

Instrument :

MSVOA_U

ClientSampleId :

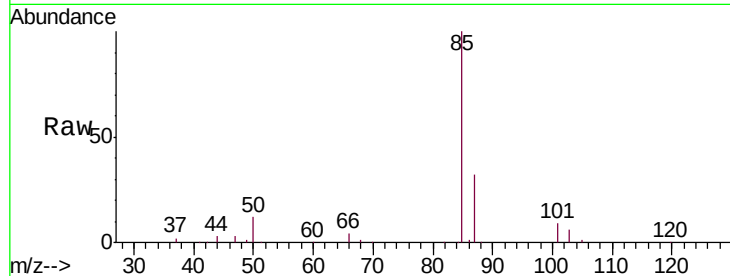
VSTD05058

Tgt Ion: 85 Resp: 66890

Ion Ratio Lower Upper

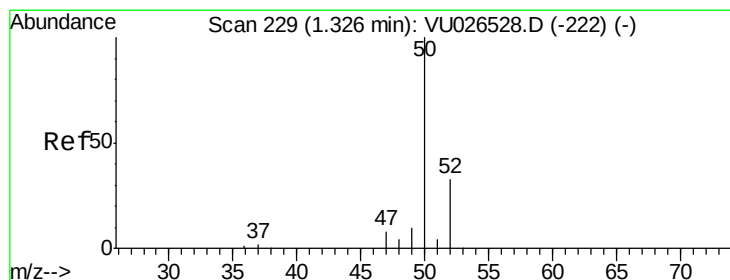
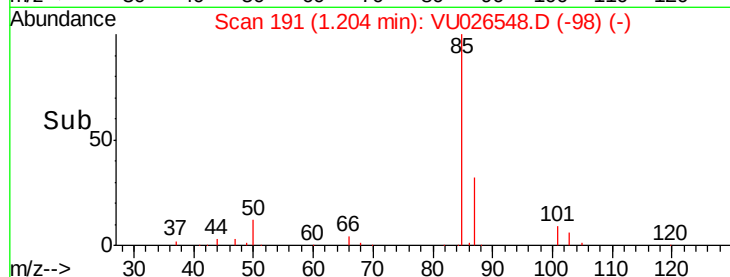
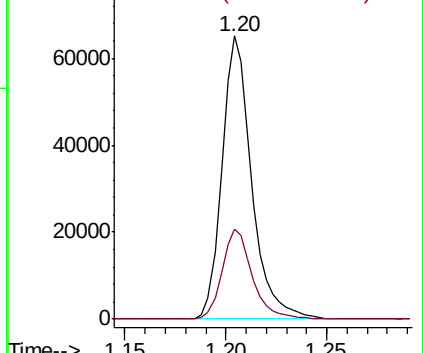
85 100

87 32.2 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 46.055 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU026548.D

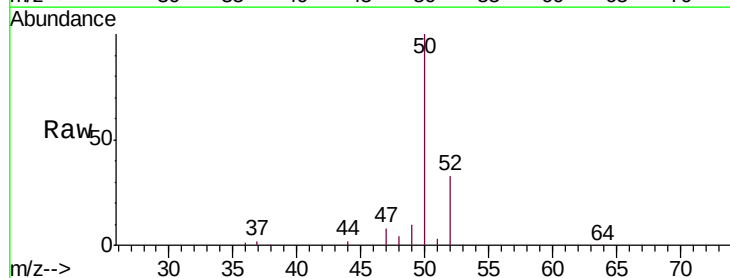
Acq: 05 Sep 2018 16:29

Tgt Ion: 50 Resp: 79544

Ion Ratio Lower Upper

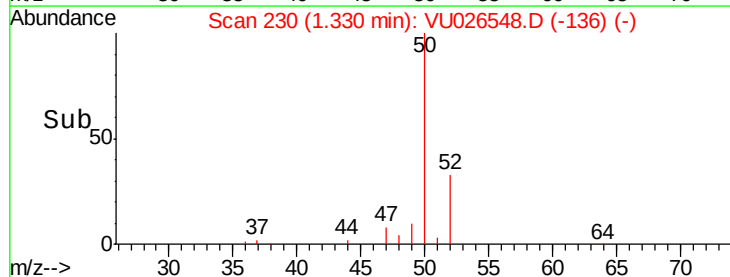
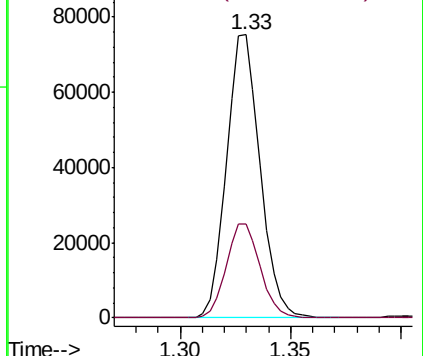
50 100

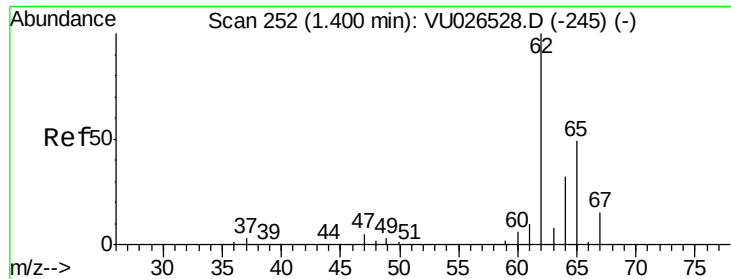
52 33.4 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 46.608 ug/L

RT: 1.40 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU026548.D

Acq: 05 Sep 2018 16:29

Instrument :

MSVOA_U

ClientSampleId :

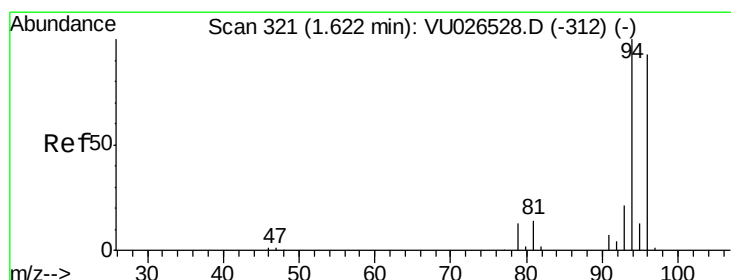
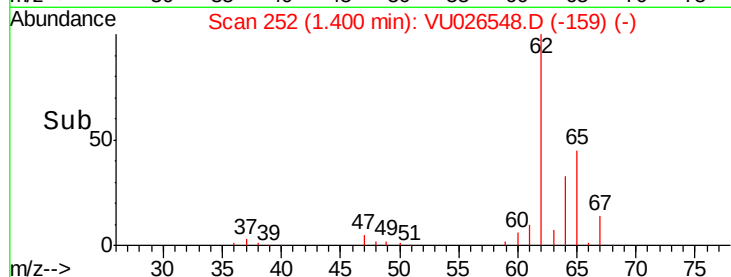
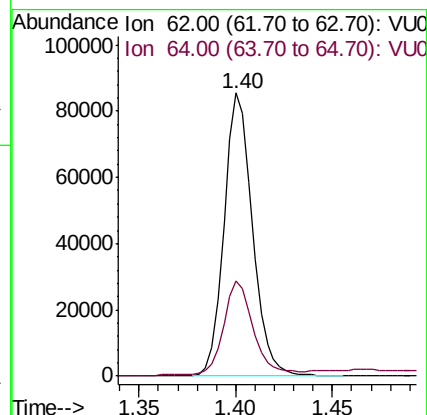
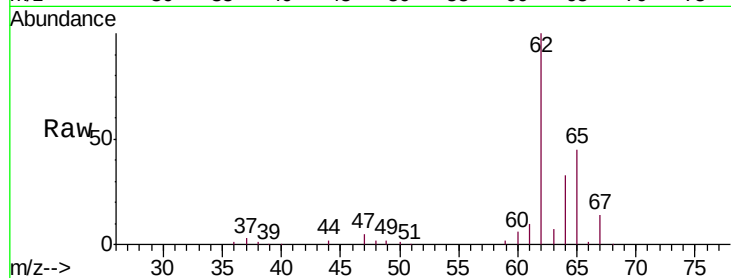
VSTD05058

Tgt Ion: 62 Resp: 87271

Ion Ratio Lower Upper

62 100

64 33.5 22.4 41.6



#6

Bromomethane

Concen: 42.538 ug/L

RT: 1.62 min Scan# 321

Delta R.T. -0.00 min

Lab File: VU026548.D

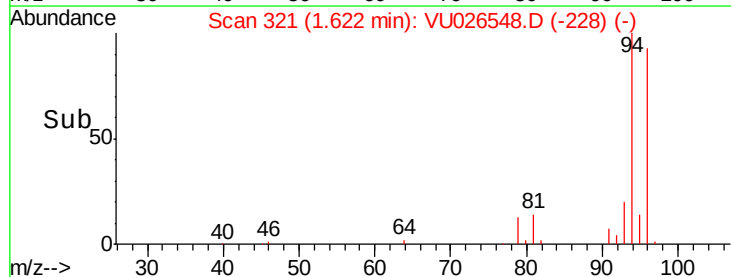
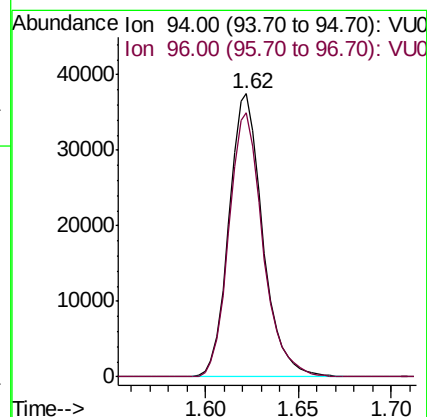
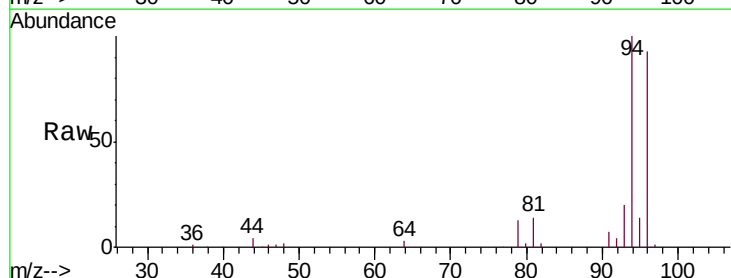
Acq: 05 Sep 2018 16:29

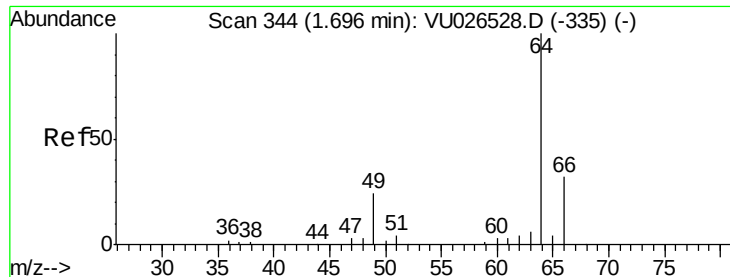
Tgt Ion: 94 Resp: 47220

Ion Ratio Lower Upper

94 100

96 93.3 65.3 121.3





#8

Chloroethane

Concen: 47.820 ug/L

RT: 1.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VU026548.D

Acq: 05 Sep 2018 16:29

Instrument :

MSVOA_U

ClientSampleId :

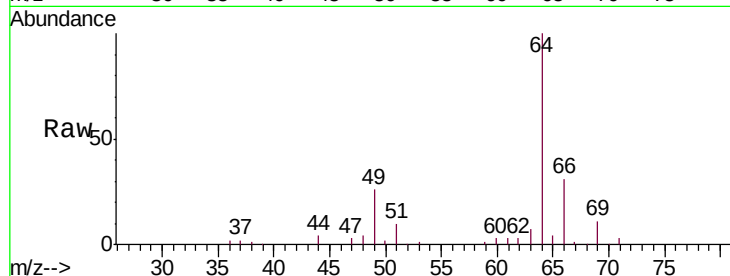
VSTD05058

Tgt Ion: 64 Resp: 53760

Ion Ratio Lower Upper

64 100

66 31.1 22.2 41.2

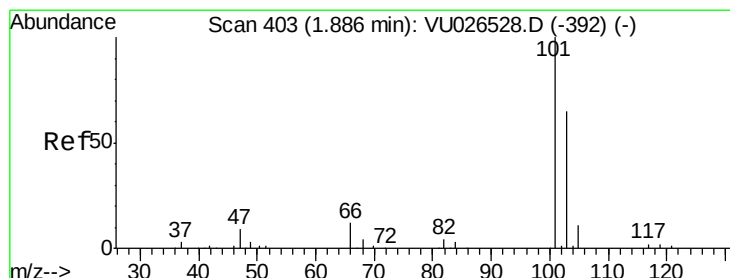
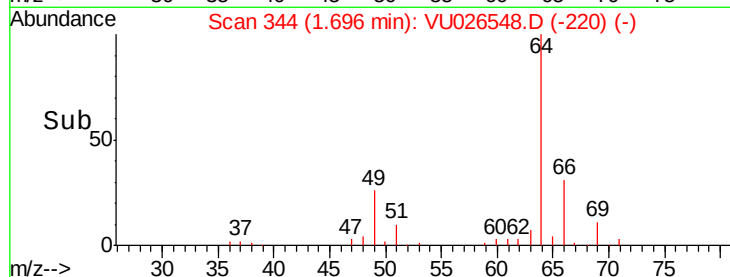


Abundance Ion 64.00 (63.70 to 64.70): VU026548.D (-335) (-)

Ion 66.00 (65.70 to 66.70): VU026548.D (-335) (-)

1.70

Time-->



#9

Trichlorofluoromethane

Concen: 47.778 ug/L

RT: 1.88 min Scan# 402

Delta R.T. 0.00 min

Lab File: VU026548.D

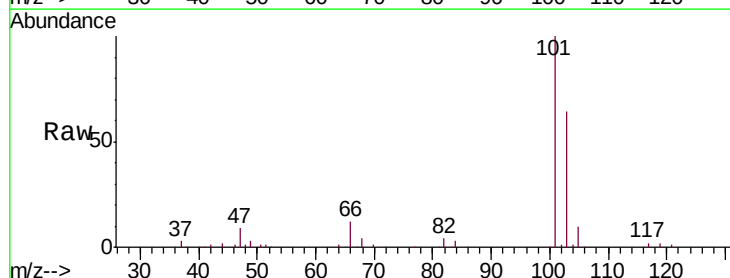
Acq: 05 Sep 2018 16:29

Tgt Ion: 101 Resp: 113760

Ion Ratio Lower Upper

101 100

103 64.1 52.7 79.1

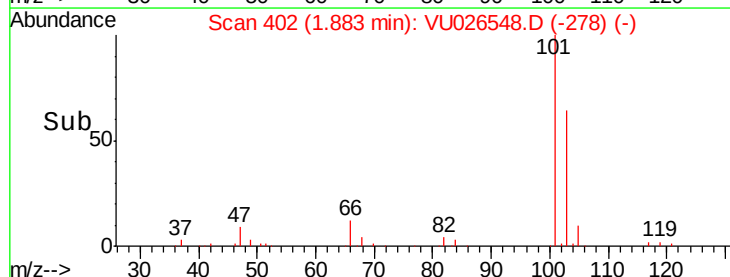


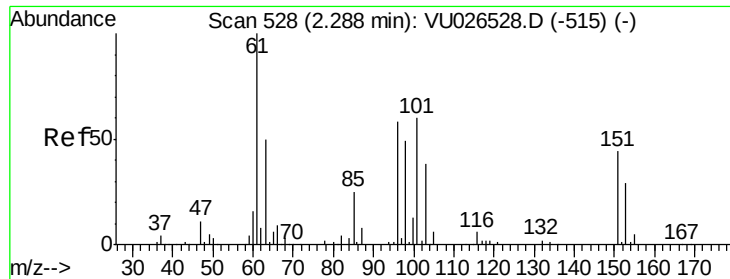
Abundance Ion 101.00 (100.70 to 101.70): VU026548.D (-392) (-)

Ion 103.00 (102.70 to 103.70): VU026548.D (-392) (-)

1.88

Time-->





#10

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

Concen: 46.459 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU026548.D

Acq: 05 Sep 2018 16:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

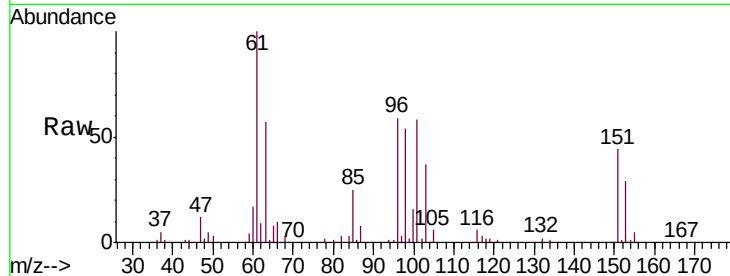
Tgt Ion:101 Resp: 61723

Ion Ratio Lower Upper

101 100

85 42.4 35.3 52.9

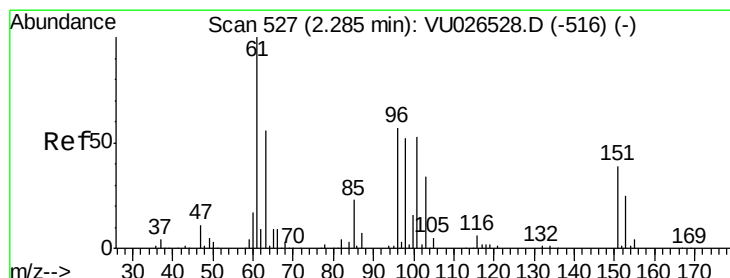
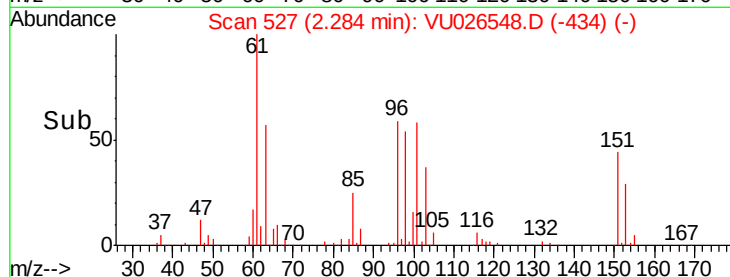
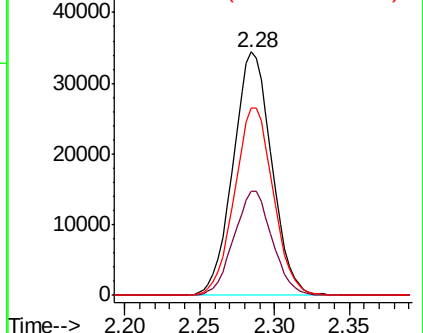
151 77.4 60.7 91.1



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: 43.411 ug/L

RT: 2.28 min Scan# 526

Delta R.T. -0.00 min

Lab File: VU026548.D

Acq: 05 Sep 2018 16:29

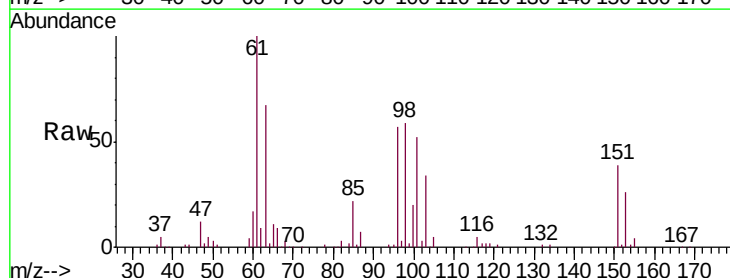
Tgt Ion: 96 Resp: 55587

Ion Ratio Lower Upper

96 100

61 174.7 129.3 240.1

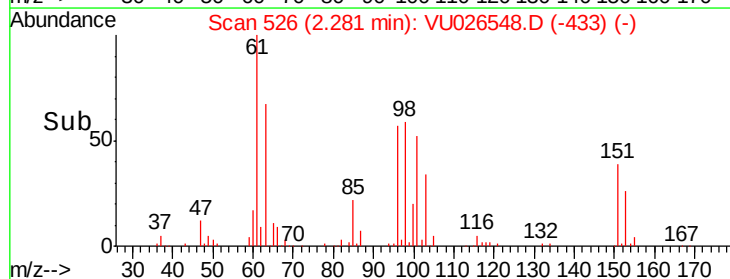
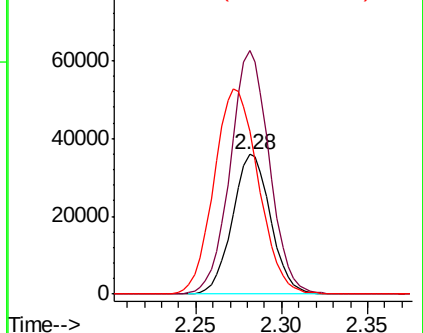
63 116.8 91.7 170.3

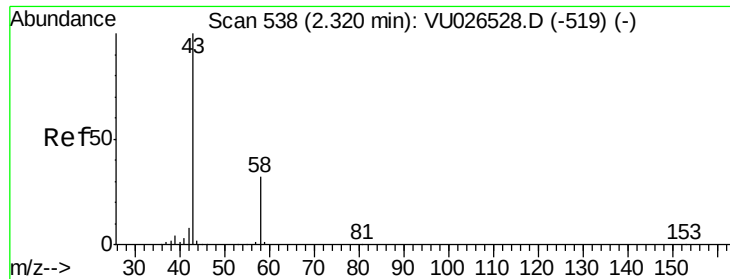


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 87.309 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

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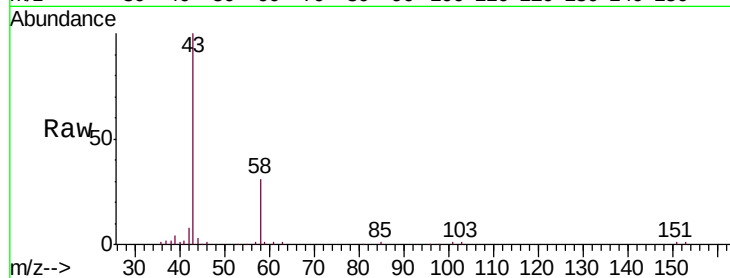
VSTD05058

Tgt Ion: 43 Resp: 65219

Ion Ratio Lower Upper

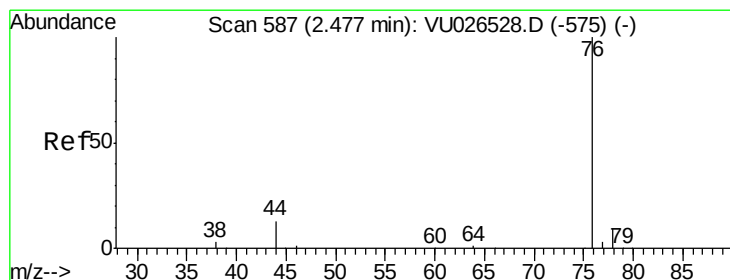
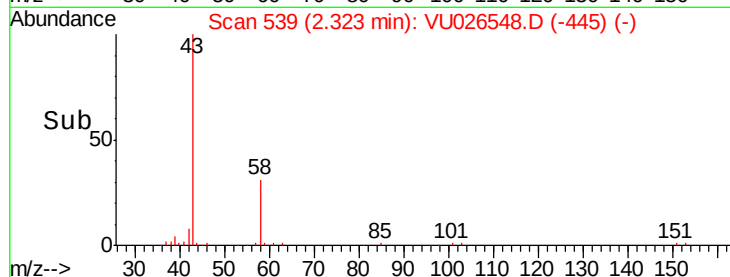
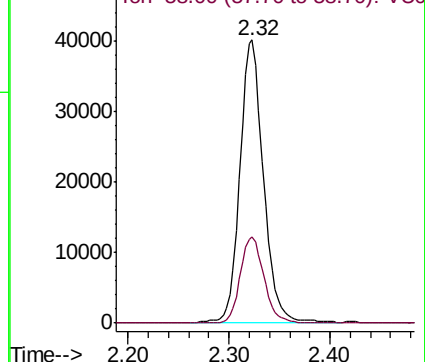
43 100

58 30.6 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 48.646 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026548.D

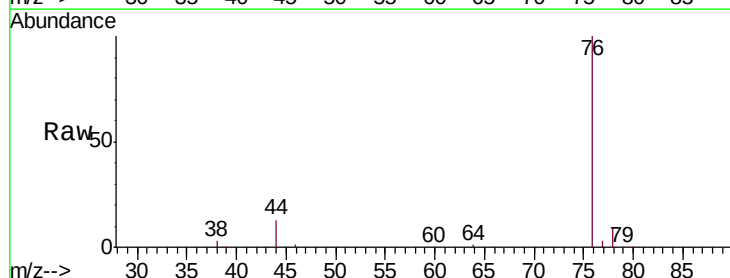
Acq: 05 Sep 2018 16:29

Tgt Ion: 76 Resp: 176280

Ion Ratio Lower Upper

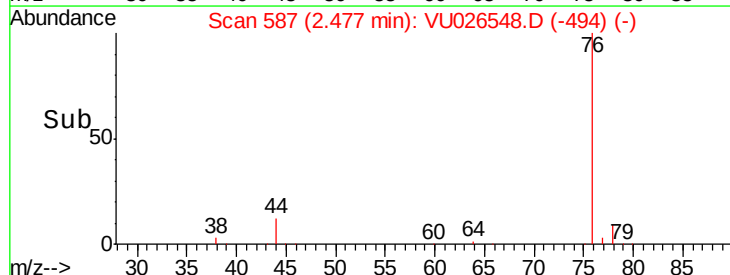
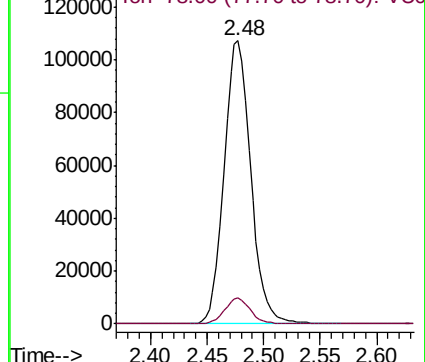
76 100

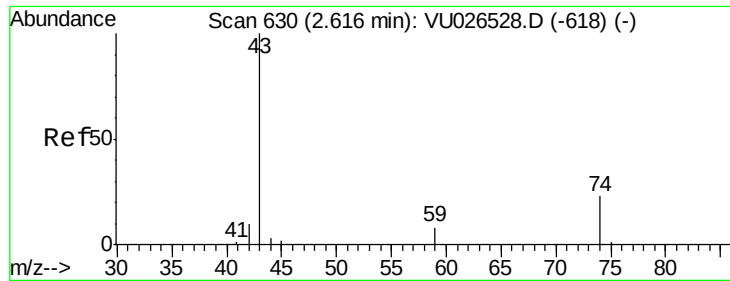
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

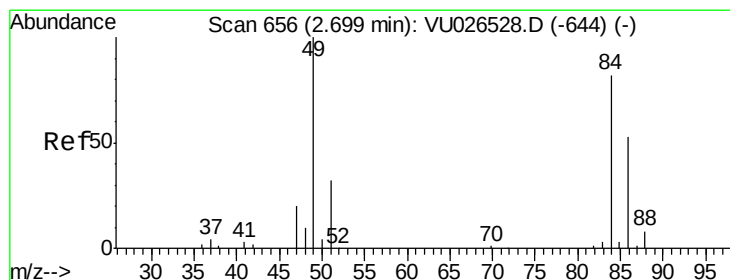
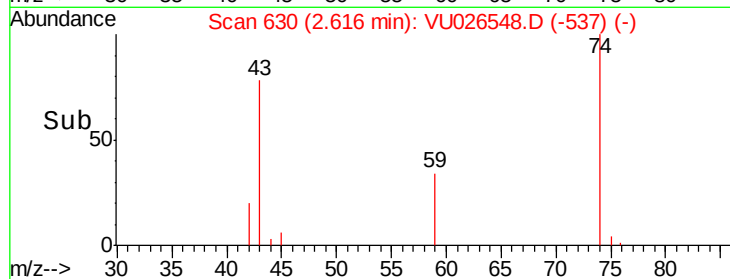
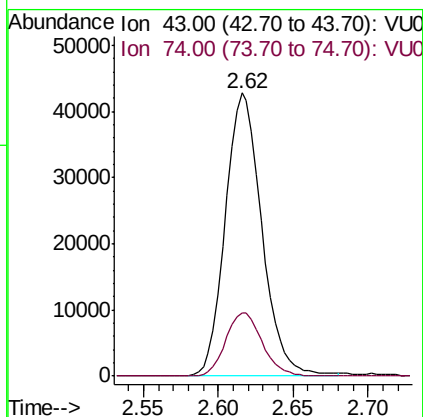
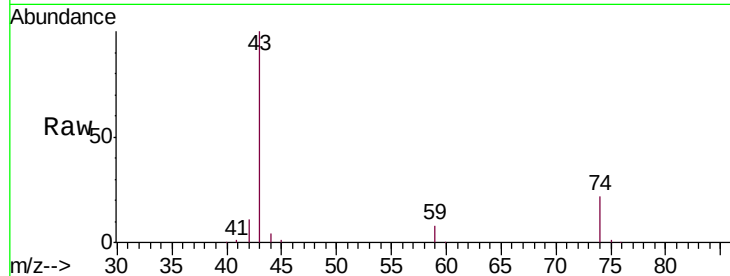




#15
Methyl Acetate
Concen: 49.663 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU026548.D
Acq: 05 Sep 2018 16:29

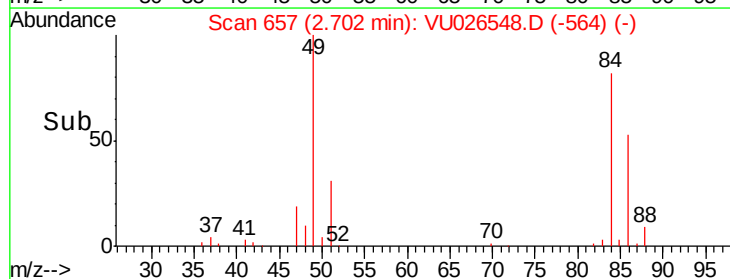
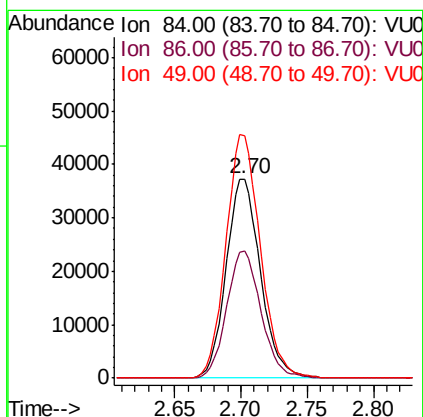
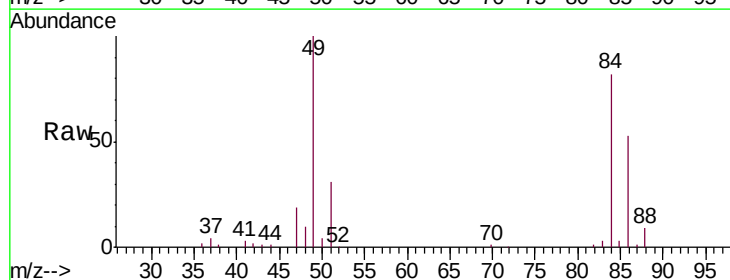
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

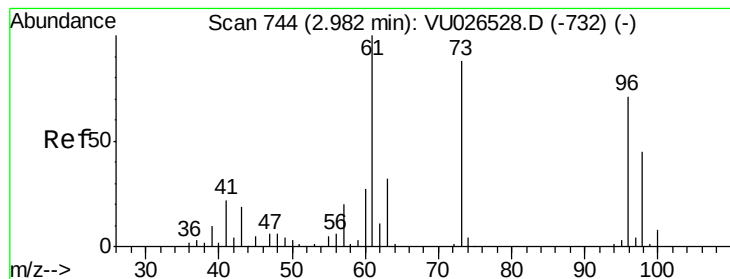
Tgt Ion: 43 Resp: 72842
Ion Ratio Lower Upper
43 100
74 22.4 17.8 26.6



#16
Methylene chloride
Concen: 50.969 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU026548.D
Acq: 05 Sep 2018 16:29

Tgt Ion: 84 Resp: 67102
Ion Ratio Lower Upper
84 100
86 64.1 46.2 85.8
49 121.8 88.2 163.8





#17

trans-1,2-Dichloroethene

Concen: 50.252 ug/L

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU026548.D

Acq: 05 Sep 2018 16:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

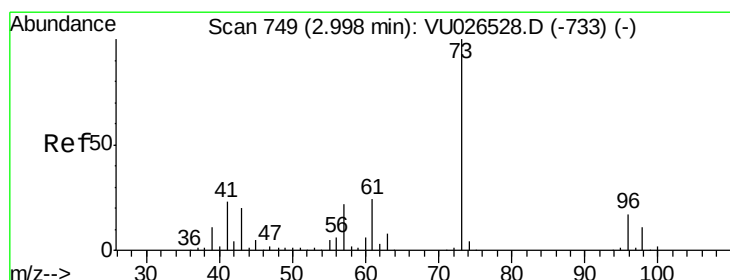
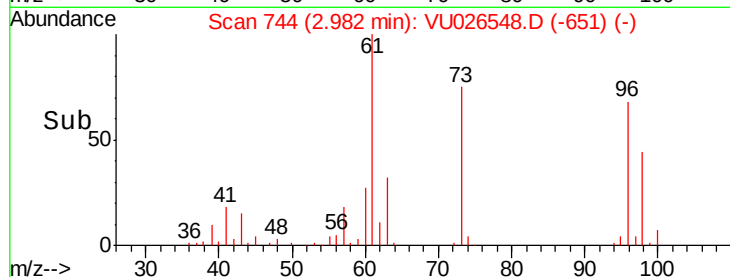
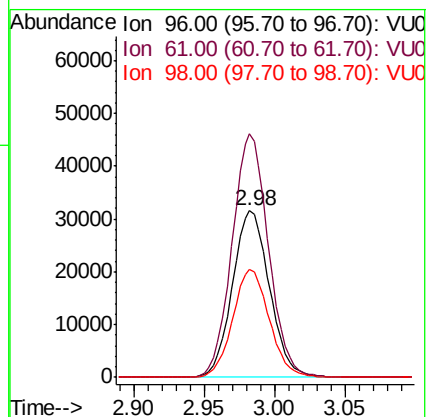
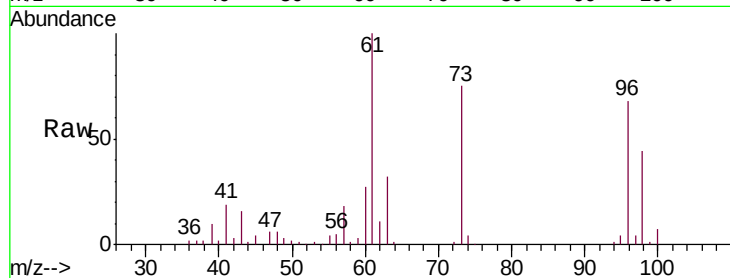
Tgt Ion: 96 Resp: 58203

Ion Ratio Lower Upper

96 100

61 146.0 103.2 191.6

98 64.9 44.9 83.3



#18

Methyl tert-butyl Ether

Concen: 53.002 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU026548.D

Acq: 05 Sep 2018 16:29

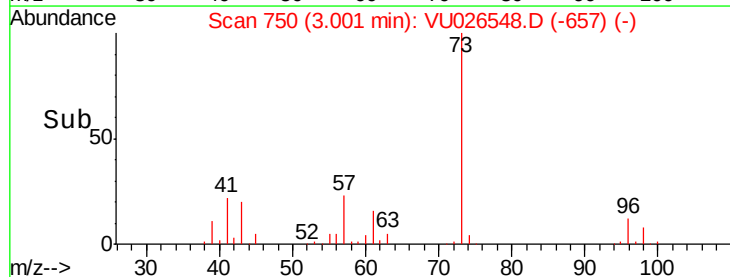
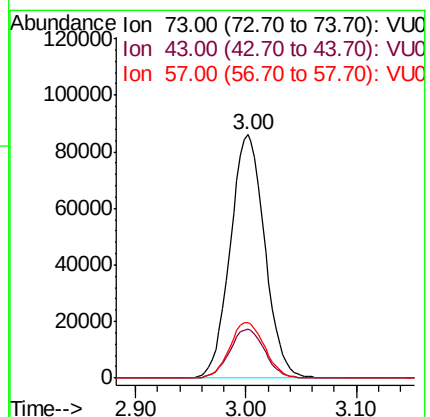
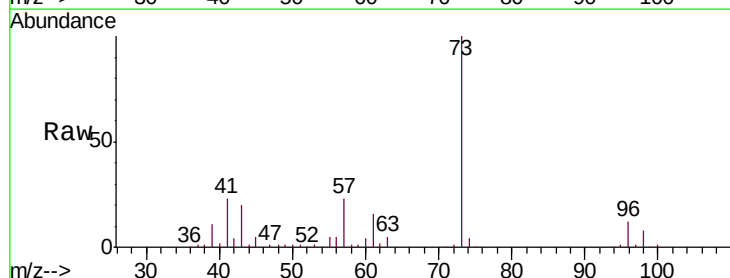
Tgt Ion: 73 Resp: 186357

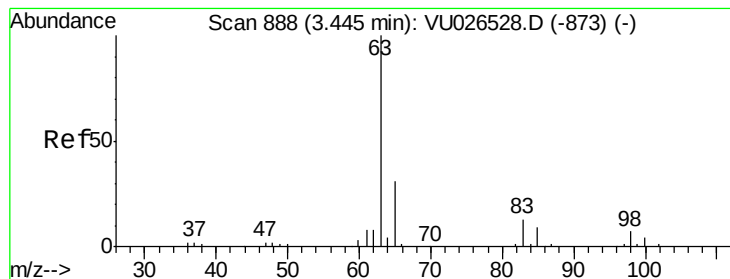
Ion Ratio Lower Upper

73 100

43 20.4 16.6 25.0

57 23.2 18.2 27.2





#19

1,1-Dichloroethane

Concen: 51.281 ug/L

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU026548.D

Acq: 05 Sep 2018 16:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

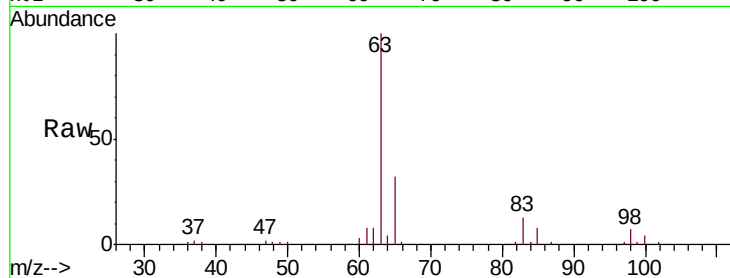
Tgt Ion: 63 Resp: 116707

Ion Ratio Lower Upper

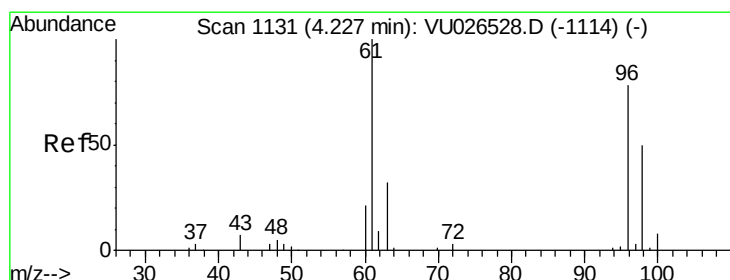
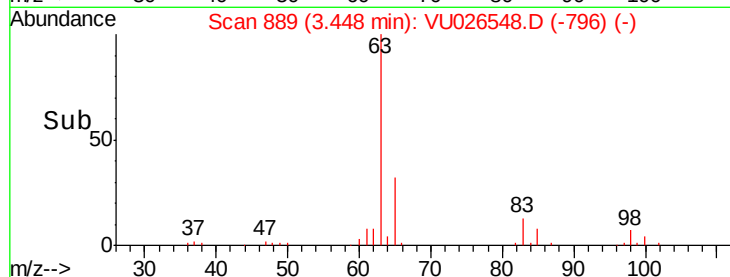
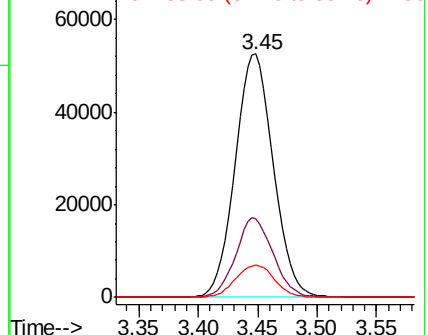
63 100

65 32.3 21.6 40.2

83 13.1 8.8 16.4



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



#20

cis-1,2-Dichloroethene

Concen: 52.555 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU026548.D

Acq: 05 Sep 2018 16:29

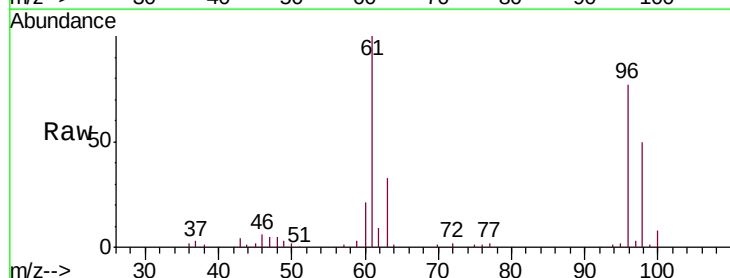
Tgt Ion: 96 Resp: 68190

Ion Ratio Lower Upper

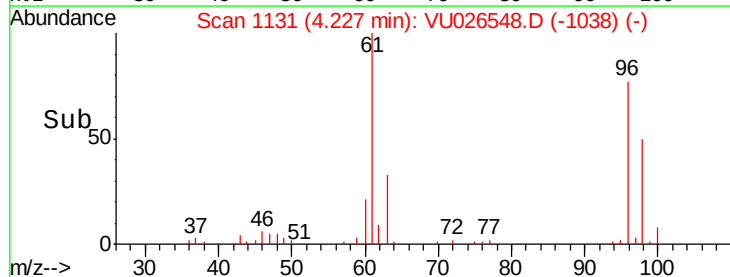
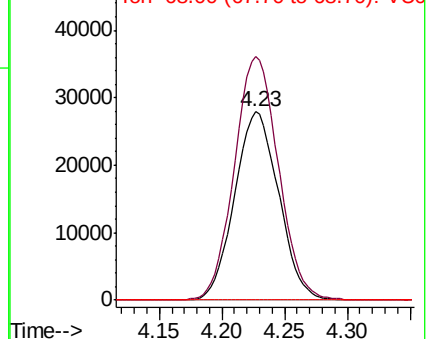
96 100

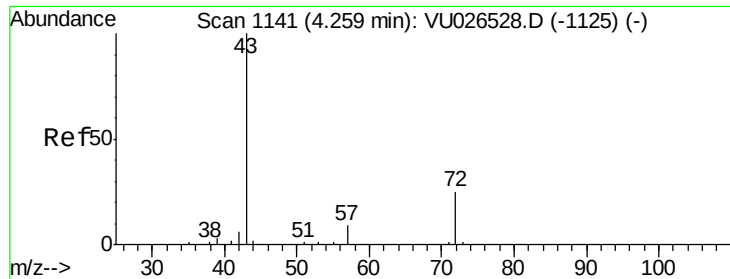
61 129.2 91.6 170.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0

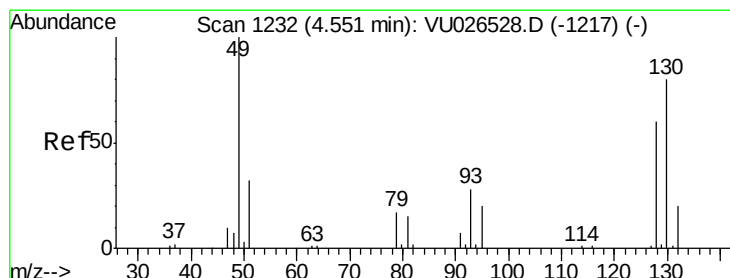
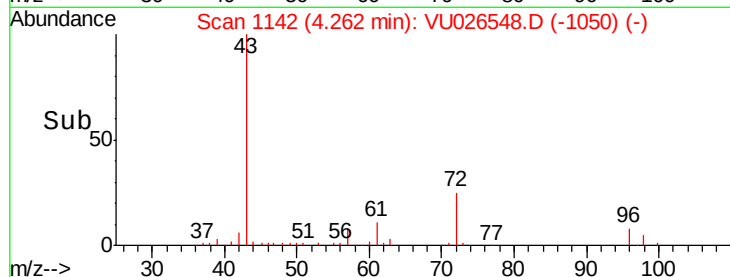
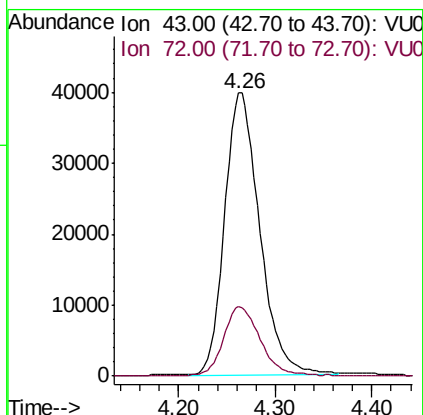
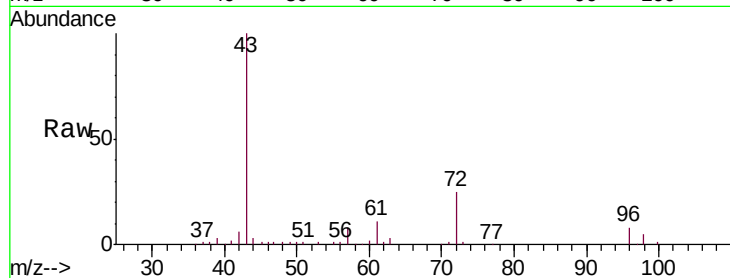




#22
2-Butanone
Concen: 100.068 ug/L
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU026548.D
Acq: 05 Sep 2018 16:29

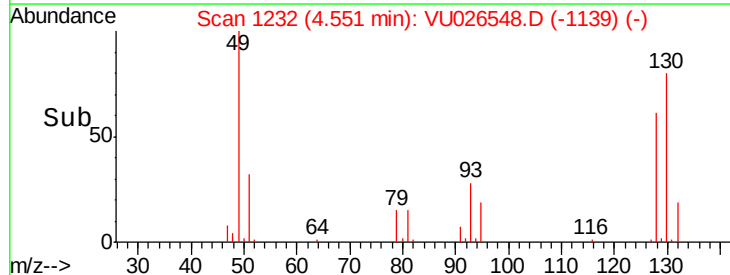
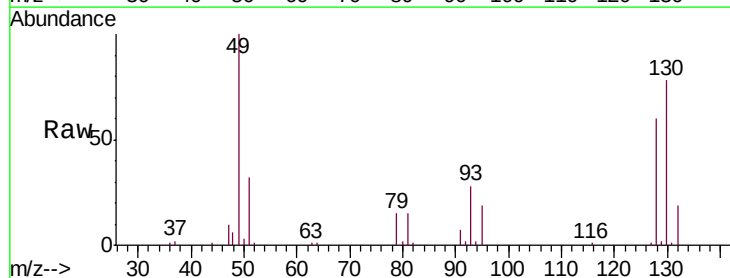
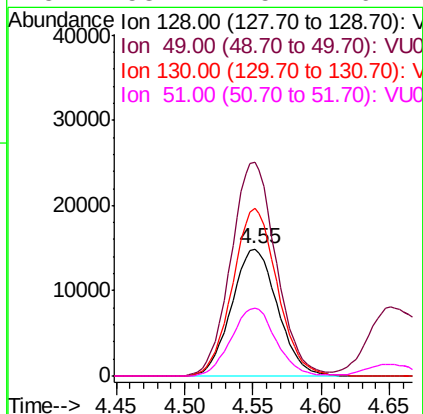
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

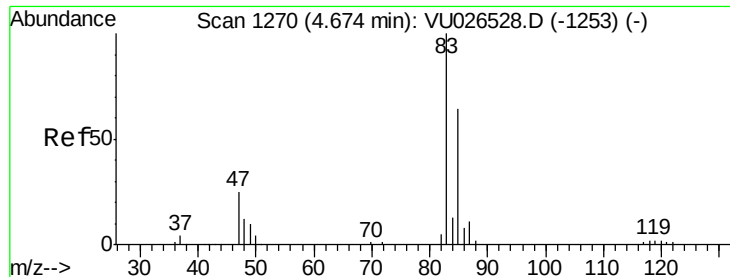
Tgt Ion: 43 Resp: 100475
Ion Ratio Lower Upper
43 100
72 25.9 13.0 38.9



#23
Bromochloromethane
Concen: 52.231 ug/L
RT: 4.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU026548.D
Acq: 05 Sep 2018 16:29

Tgt Ion: 128 Resp: 34915
Ion Ratio Lower Upper
128 100
49 168.1 121.2 225.0
130 131.8 94.1 174.7
51 53.7 45.1 67.7

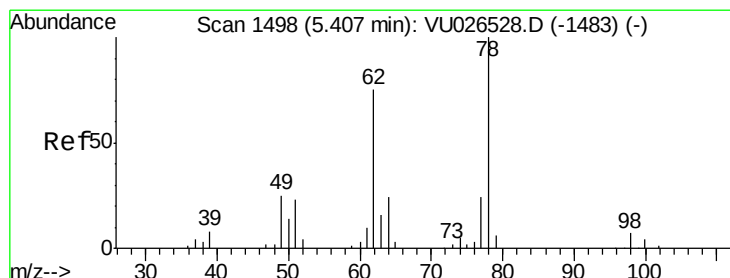
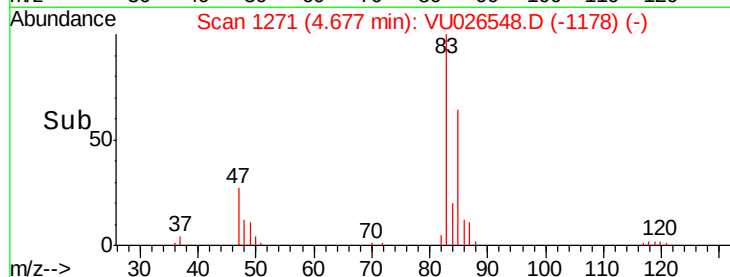
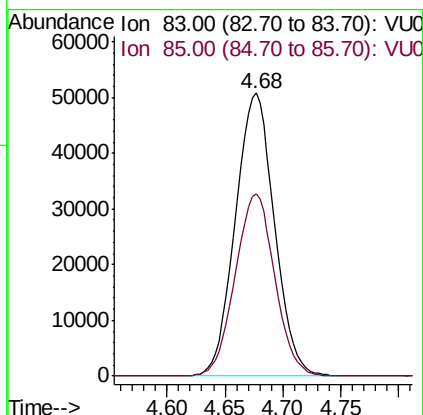
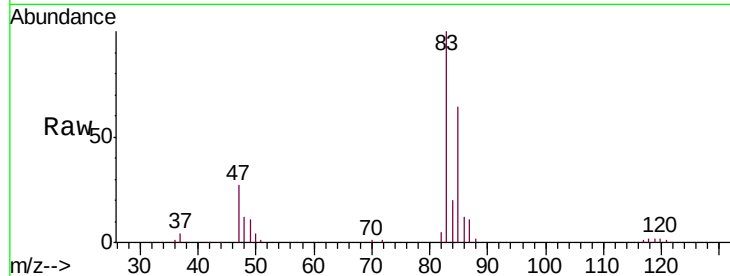




#25
Chloroform
Concen: 51.184 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU026548.D
Acq: 05 Sep 2018 16:29

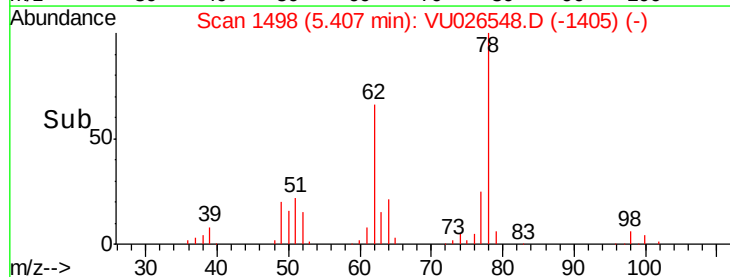
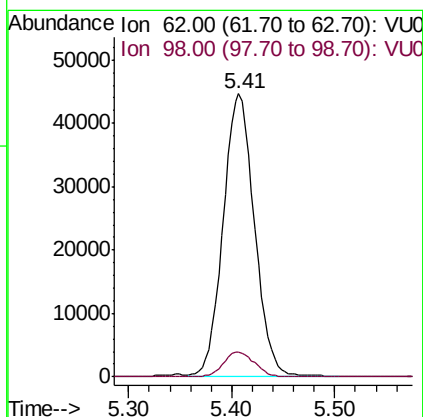
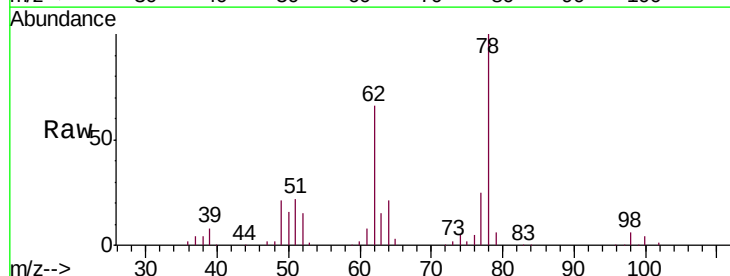
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

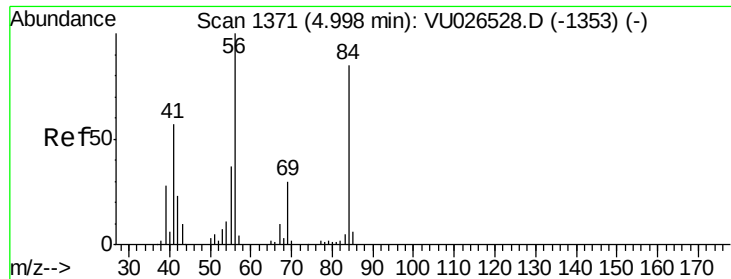
Tgt Ion: 83 Resp: 118962
Ion Ratio Lower Upper
83 100
85 64.3 46.5 86.5



#27
1,2-Dichloroethane
Concen: 50.528 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU026548.D
Acq: 05 Sep 2018 16:29

Tgt Ion: 62 Resp: 94714
Ion Ratio Lower Upper
62 100
98 8.8 6.8 10.2

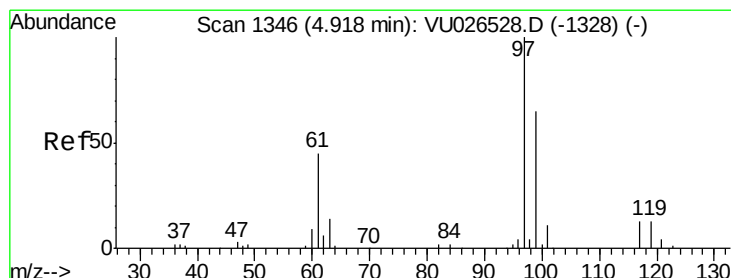
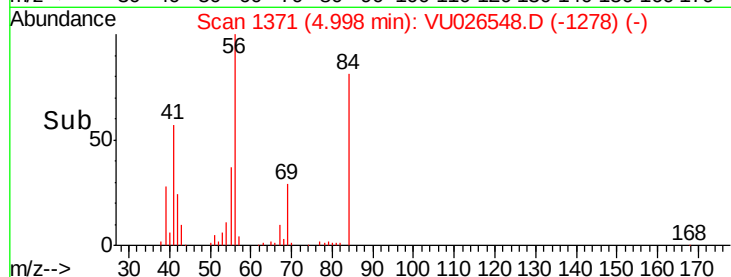
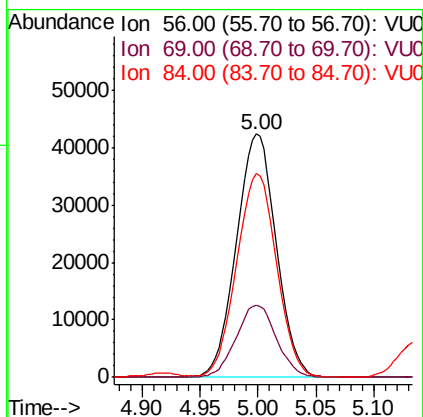
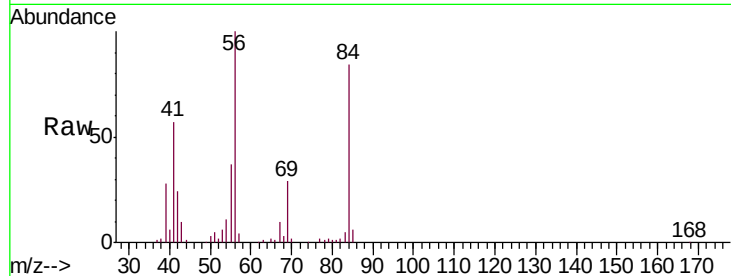




#29
Cyclohexane
Concen: 54.300 ug/L
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU026548.D
Acq: 05 Sep 2018 16:29

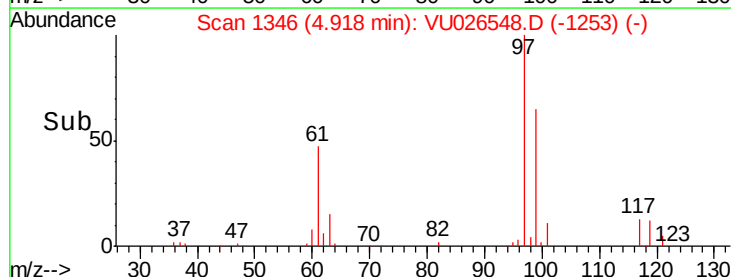
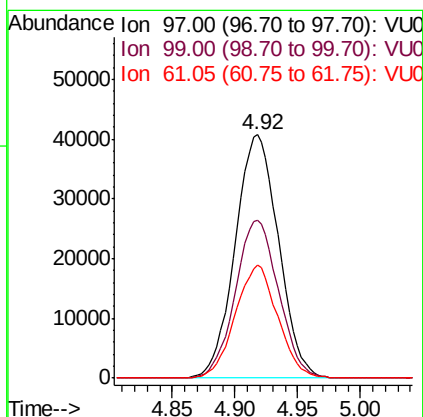
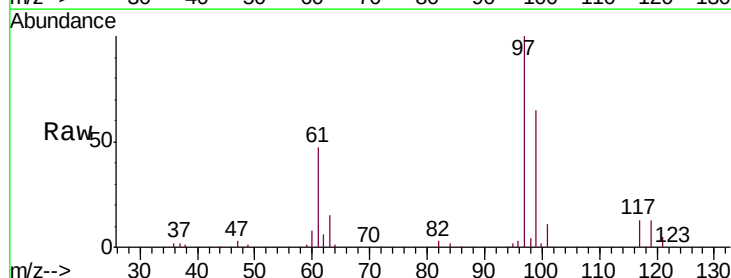
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

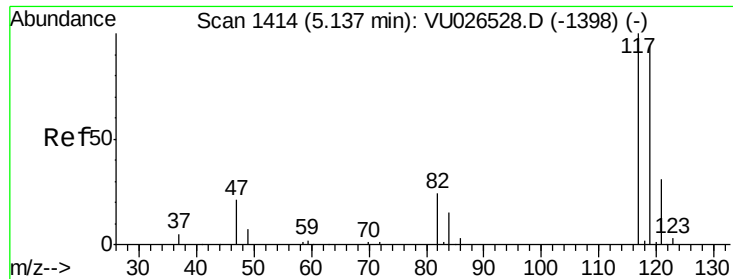
Tgt Ion: 56 Resp: 101213
Ion Ratio Lower Upper
56 100
69 30.1 24.0 36.0
84 84.4 67.2 100.8



#30
1,1,1-Trichloroethane
Concen: 51.977 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU026548.D
Acq: 05 Sep 2018 16:29

Tgt Ion: 97 Resp: 97852
Ion Ratio Lower Upper
97 100
99 64.8 51.6 77.4
61 45.6 37.9 56.9





#31

Carbon tetrachloride

Concen: 51.298 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU026548.D

Acq: 05 Sep 2018 16:29

Instrument :

MSVOA_U

ClientSampleId :

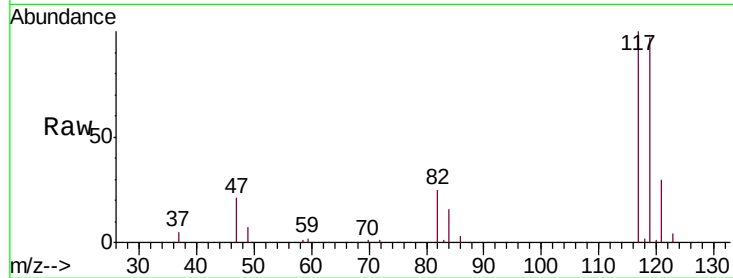
VSTD05058

Tgt Ion:117 Resp: 87747

Ion Ratio Lower Upper

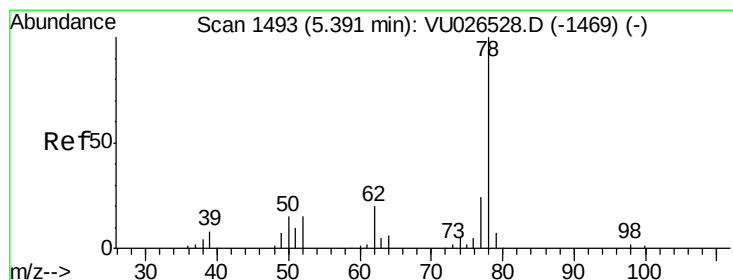
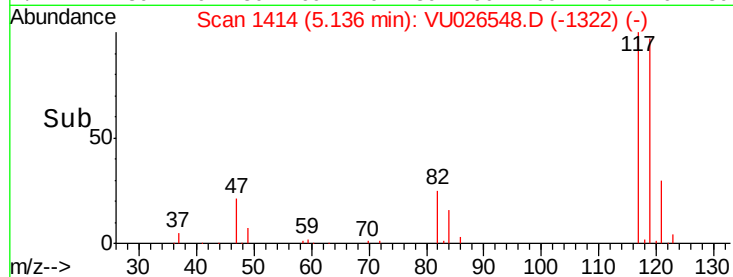
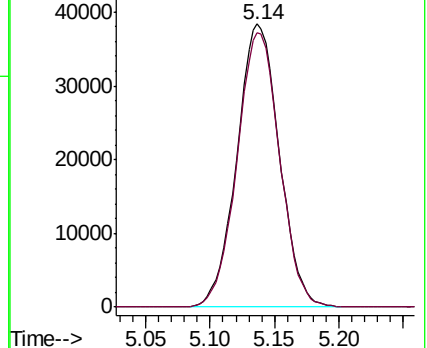
117 100

119 97.1 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 52.186 ug/L

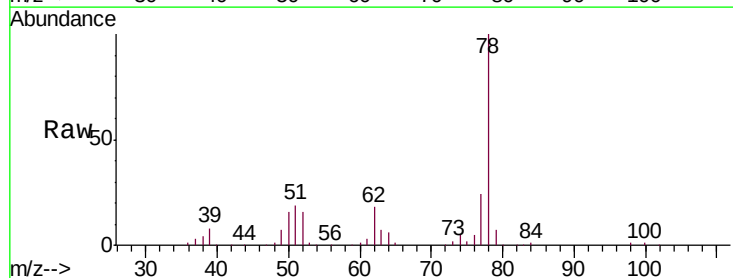
RT: 5.39 min Scan# 1493

Delta R.T. -0.00 min

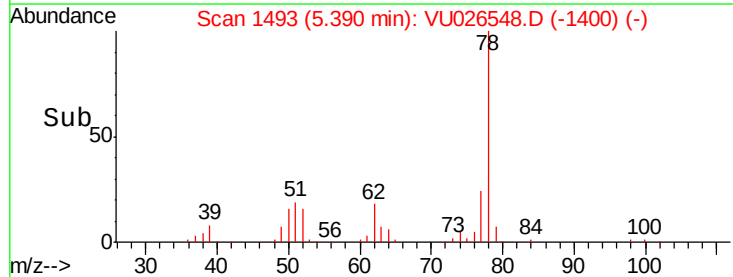
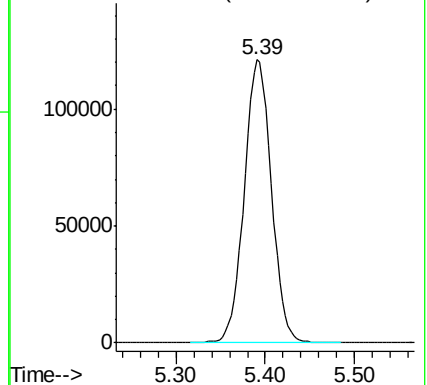
Lab File: VU026548.D

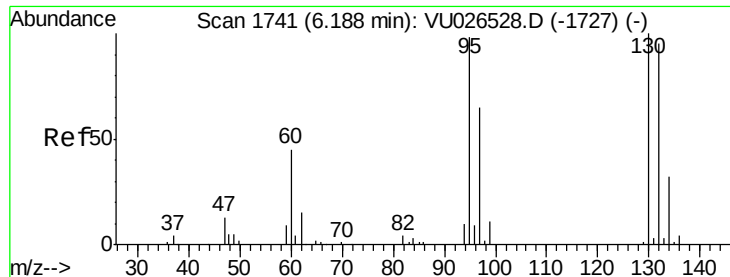
Acq: 05 Sep 2018 16:29

Tgt Ion: 78 Resp: 255948



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 51.558 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU026548.D

Acq: 05 Sep 2018 16:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

Tgt Ion: 95 Resp: 63427

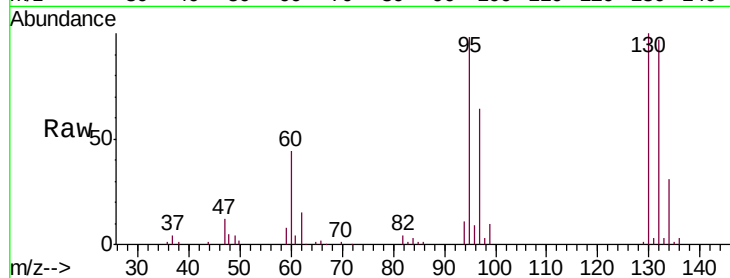
Ion Ratio Lower Upper

95 100

97 65.8 45.1 83.7

132 99.3 67.5 125.3

130 102.5 69.3 128.7

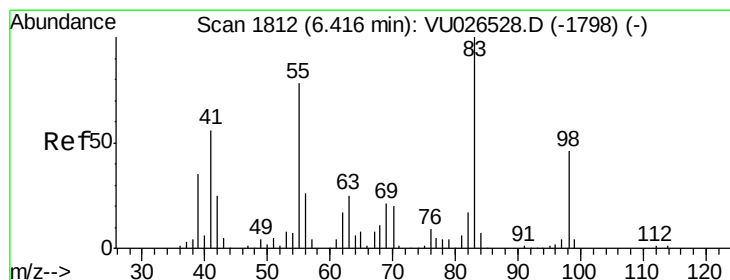
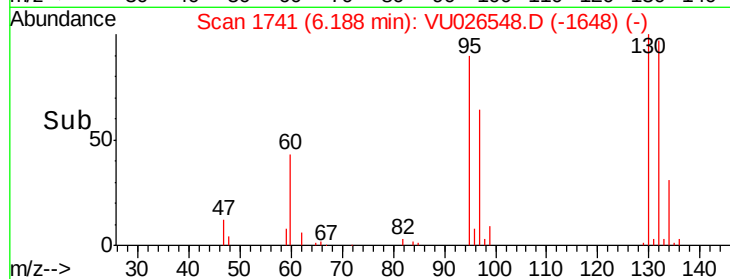
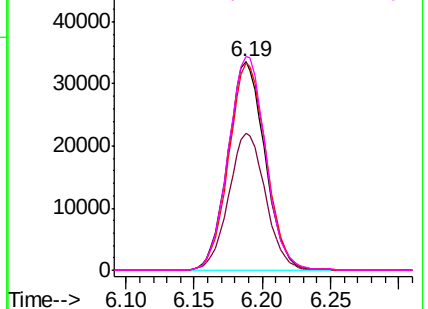


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 54.983 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU026548.D

Acq: 05 Sep 2018 16:29

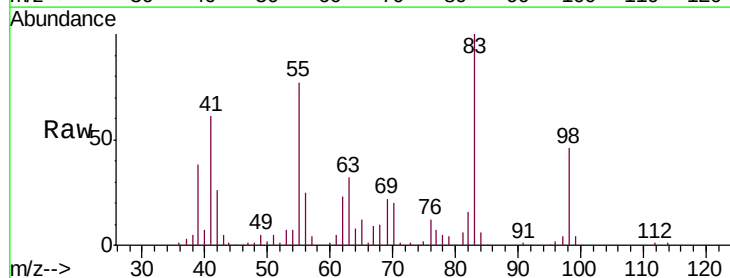
Tgt Ion: 83 Resp: 105619

Ion Ratio Lower Upper

83 100

55 78.2 63.3 94.9

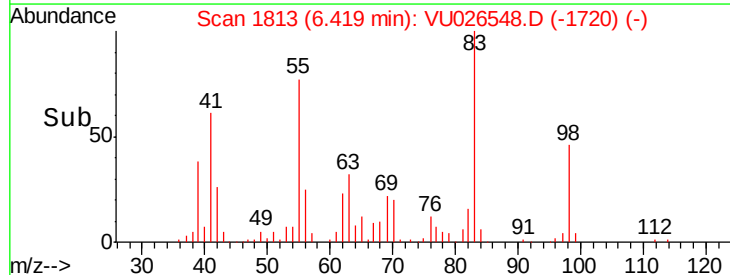
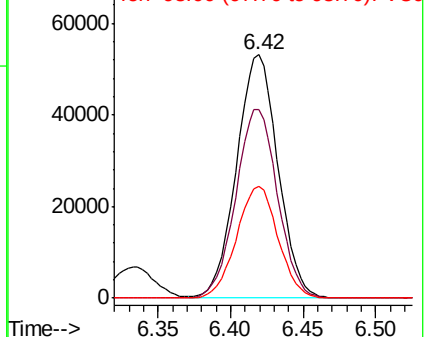
98 45.9 36.7 55.1

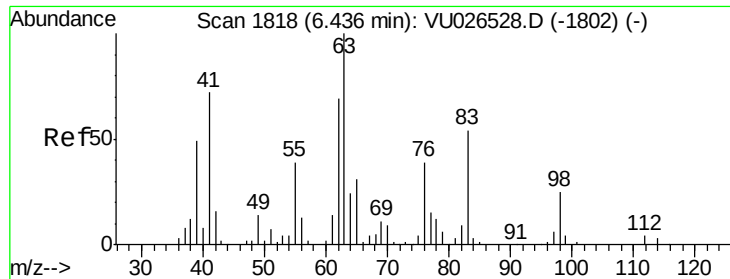


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

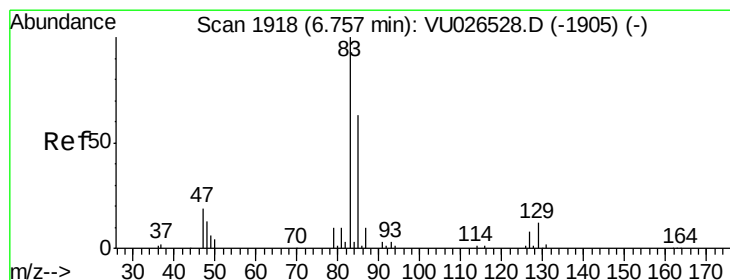
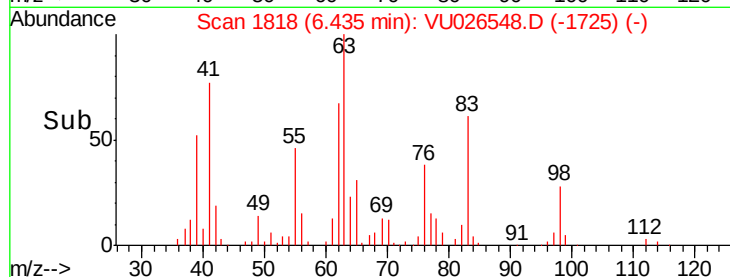
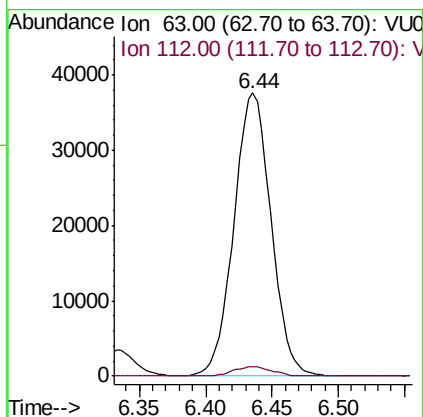
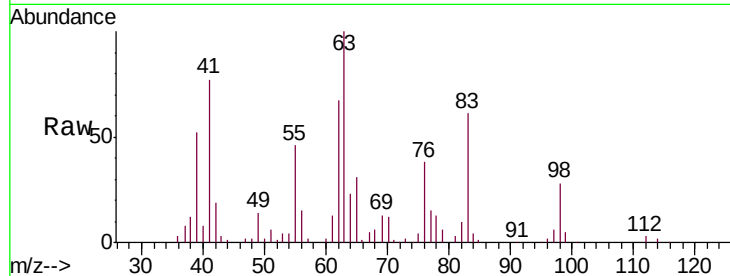




#37
 1,2-Dichloropropane
 Concen: 53.941 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU026548.D
 Acq: 05 Sep 2018 16:29

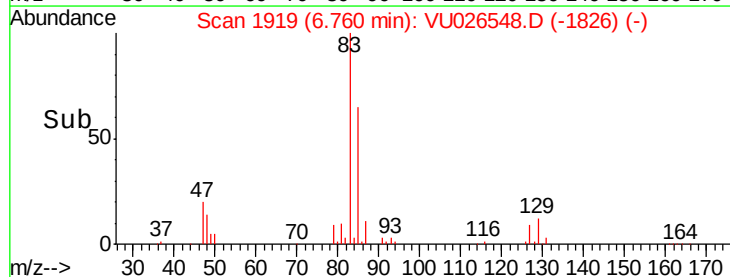
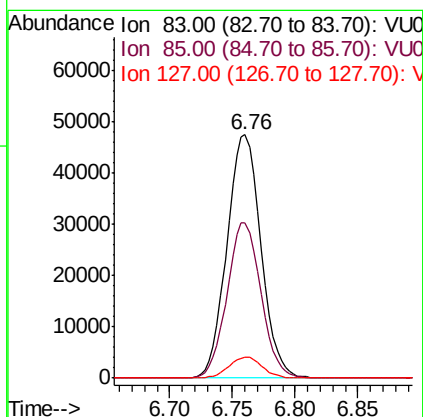
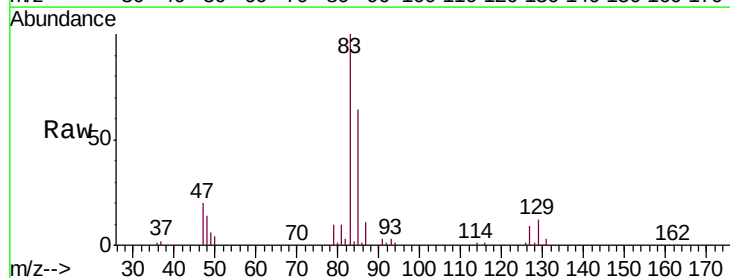
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

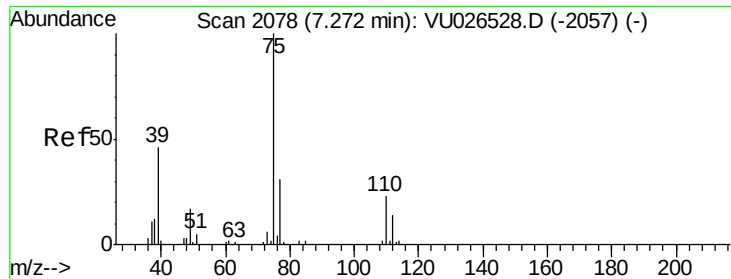
Tgt Ion: 63 Resp: 73239
 Ion Ratio Lower Upper
 63 100
 112 3.4 3.0 4.6



#38
 Bromodichloromethane
 Concen: 51.658 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU026548.D
 Acq: 05 Sep 2018 16:29

Tgt Ion: 83 Resp: 89444
 Ion Ratio Lower Upper
 83 100
 85 64.0 43.9 81.5
 127 8.5 7.0 10.6

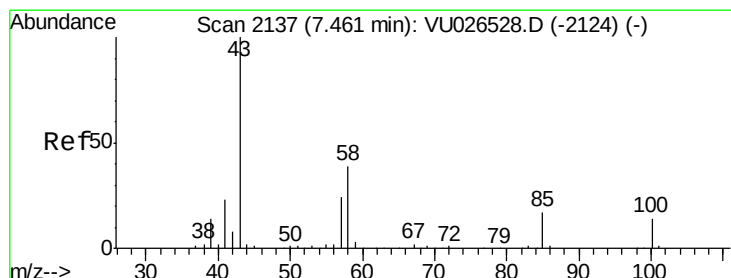
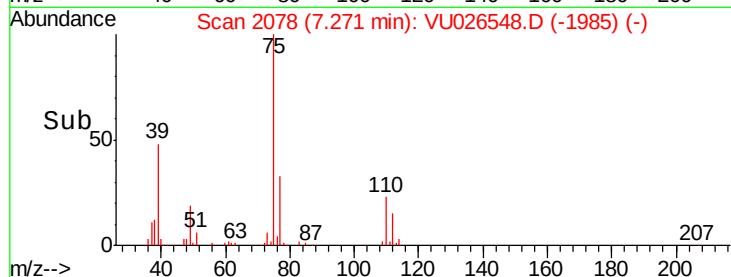
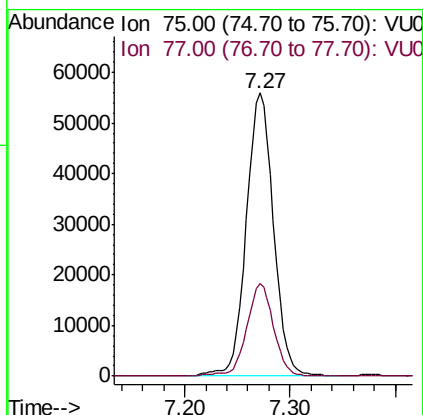
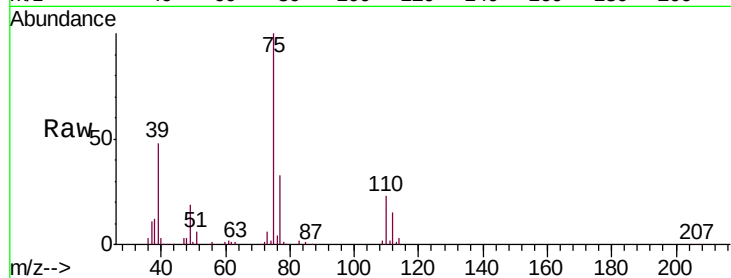




#39
 cis-1,3-Dichloropropene
 Concen: 51.964 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026548.D
 Acq: 05 Sep 2018 16:29

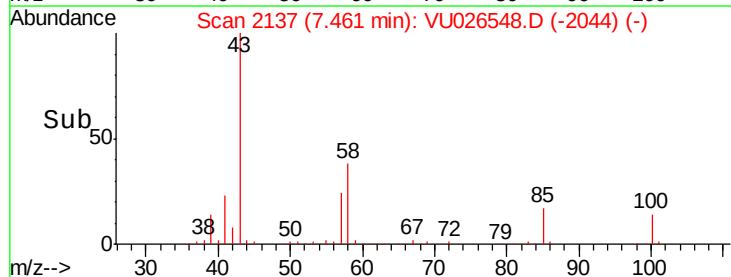
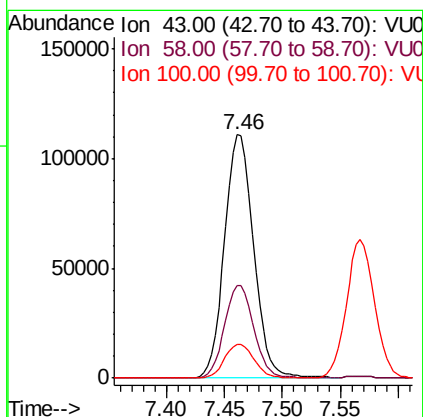
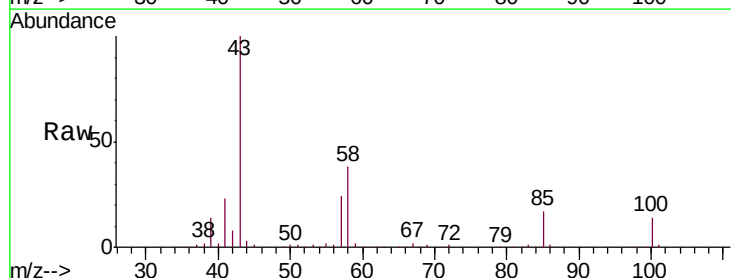
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

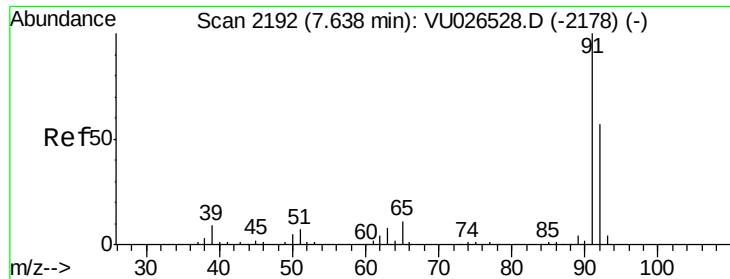
Tgt Ion: 75 Resp: 100533
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 105.403 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU026548.D
 Acq: 05 Sep 2018 16:29

Tgt Ion: 43 Resp: 193006
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.4 45.6
 100 14.0 11.0 16.4





#42

Toluene

Concen: 52.650 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU026548.D

Acq: 05 Sep 2018 16:29

Instrument :

MSVOA_U

ClientSampleId :

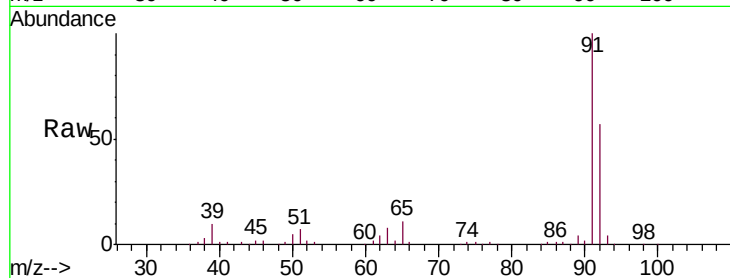
VSTD05058

Tgt Ion: 91 Resp: 269447

Ion Ratio Lower Upper

91 100

92 57.1 38.7 71.9



Abundance Ion 91.00 (90.70 to 91.70): VU026528.D (-2178) (-)

Ion 92.00 (91.70 to 92.70): VU026528.D (-2178) (-)

7.64

150000

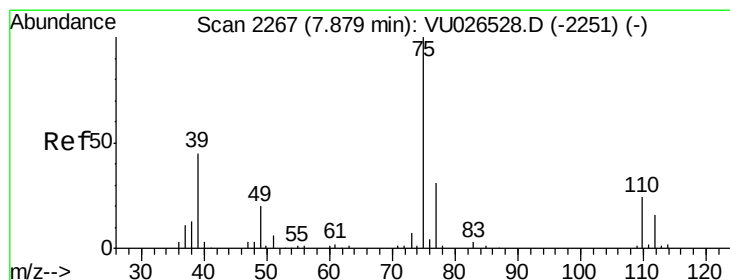
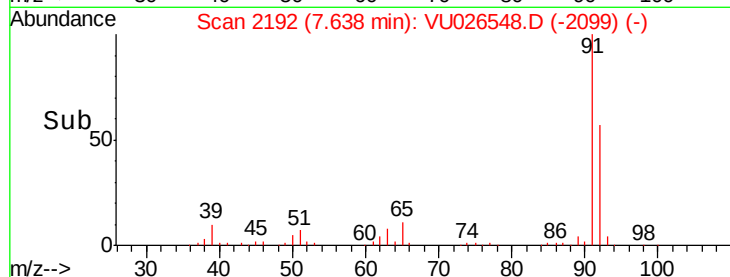
100000

50000

0

7.55 7.60 7.65 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.504 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU026548.D

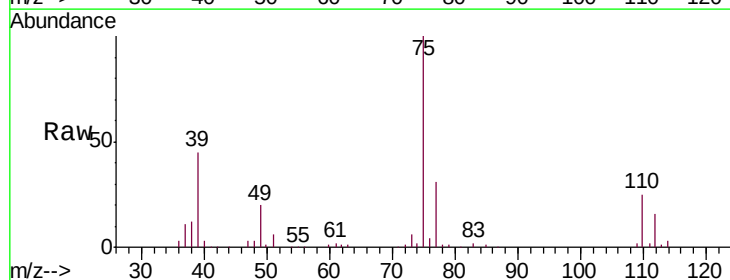
Acq: 05 Sep 2018 16:29

Tgt Ion: 75 Resp: 94972

Ion Ratio Lower Upper

75 100

77 31.0 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU026528.D (-2251) (-)

Ion 77.00 (76.70 to 77.70): VU026528.D (-2251) (-)

7.88

60000

50000

40000

30000

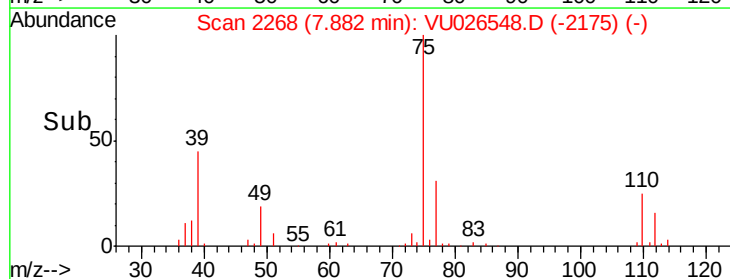
20000

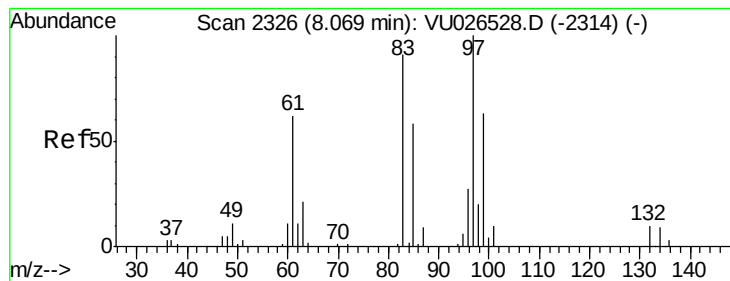
10000

0

7.80 7.85 7.90 7.95

Time-->





#45

1,1,2-Trichloroethane

Concen: 51.978 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU026548.D

Acq: 05 Sep 2018 16:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

Tgt Ion: 97 Resp: 64653

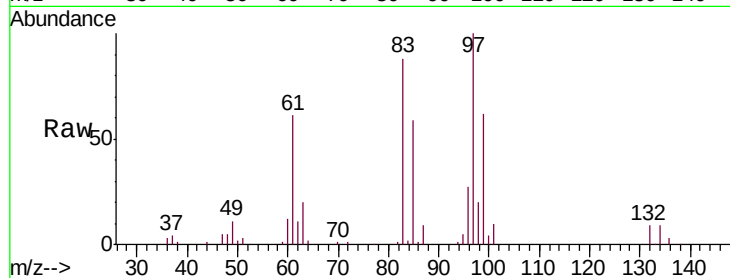
Ion Ratio Lower Upper

97 100

99 62.4 43.9 81.5

83 88.3 62.7 116.5

85 59.1 39.4 73.2

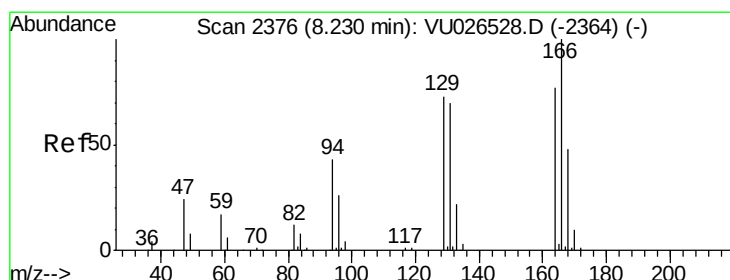
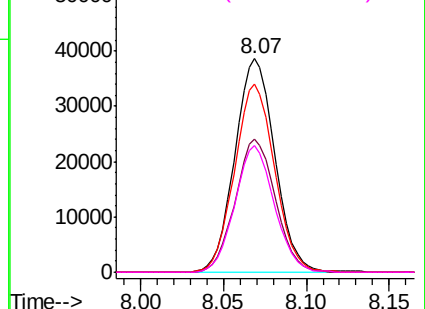
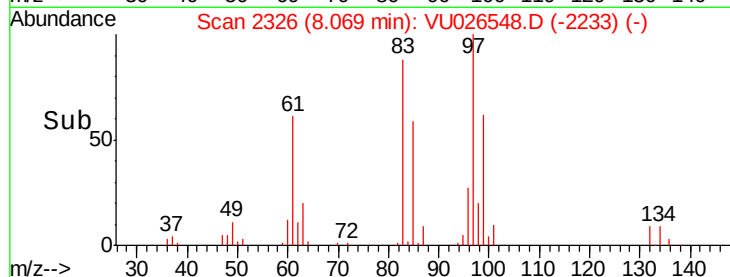


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 52.772 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU026548.D

Acq: 05 Sep 2018 16:29

Tgt Ion: 164 Resp: 53078

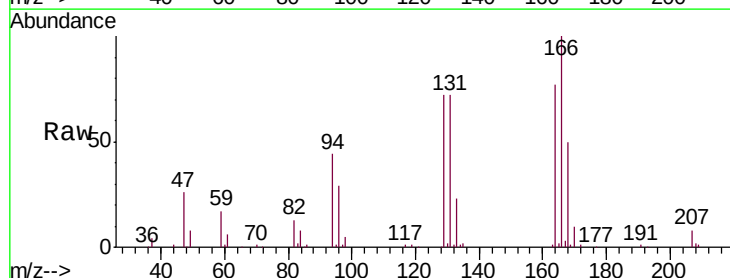
Ion Ratio Lower Upper

164 100

129 92.7 67.3 125.1

131 93.2 65.3 121.3

166 129.3 90.9 168.7

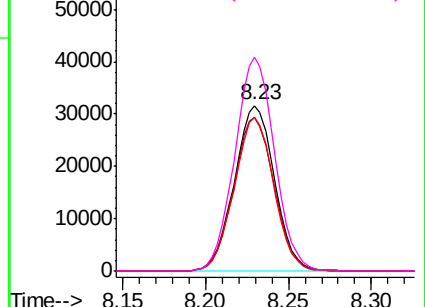
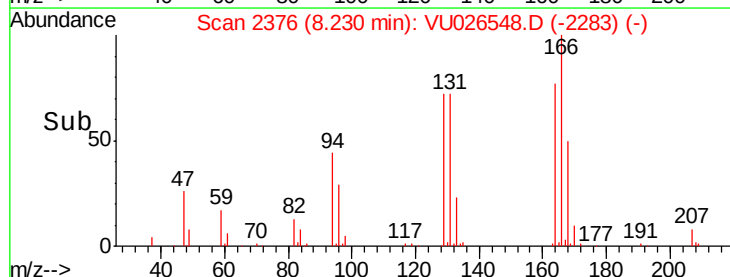


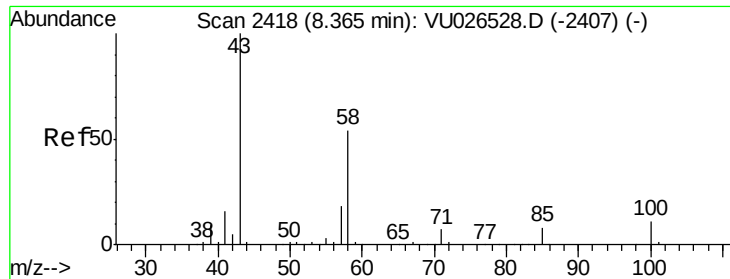
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

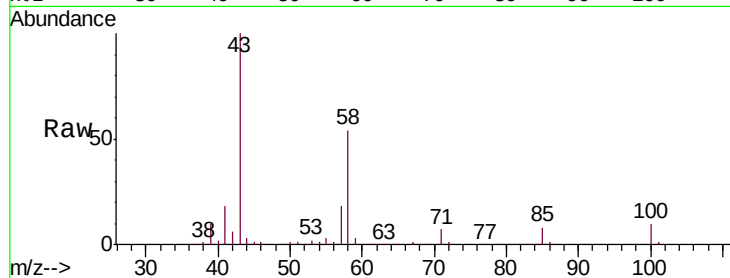




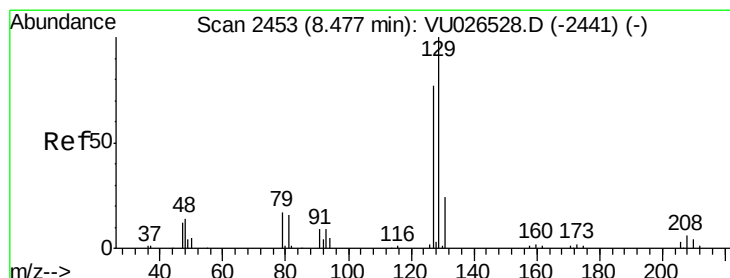
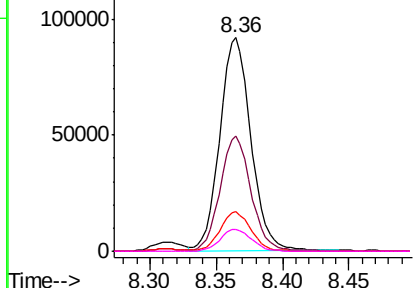
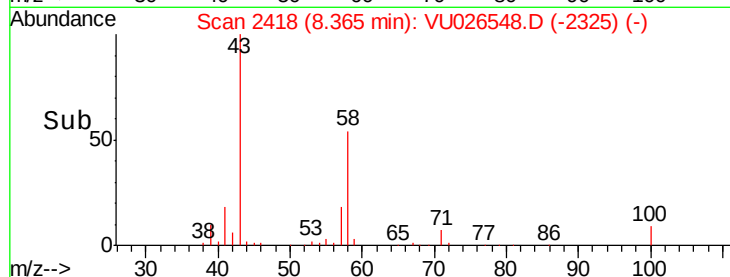
#48
2-Hexanone
Concen: 103.625 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU026548.D
Acq: 05 Sep 2018 16:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

Tgt Ion: 43 Resp: 149444
Ion Ratio Lower Upper
43 100
58 53.6 42.2 63.4
57 18.4 14.6 21.8
100 10.5 8.3 12.5

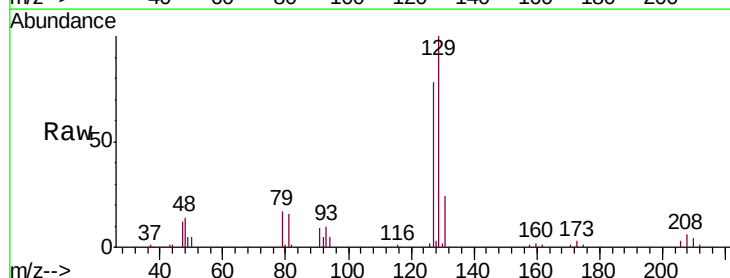


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

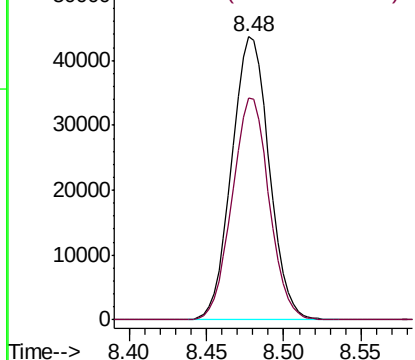
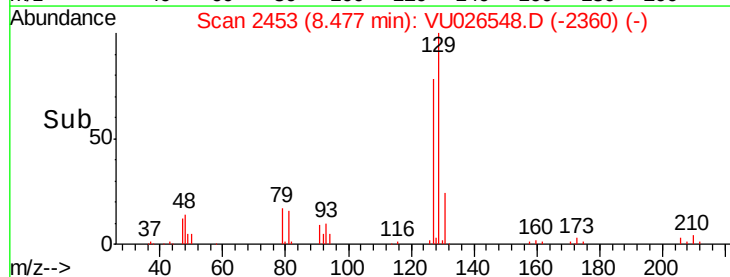


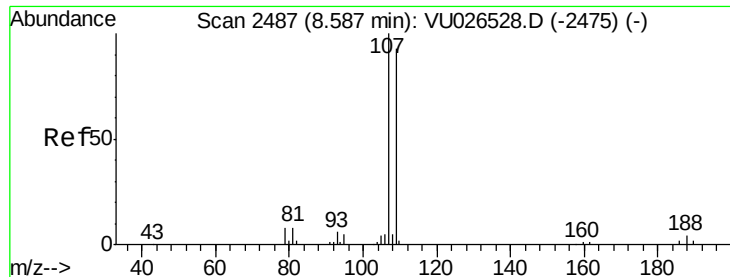
#49
Dibromochloromethane
Concen: 52.456 ug/L
RT: 8.48 min Scan# 2453
Delta R.T. -0.00 min
Lab File: VU026548.D
Acq: 05 Sep 2018 16:29

Tgt Ion: 129 Resp: 73518
Ion Ratio Lower Upper
129 100
127 78.3 55.0 102.2



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

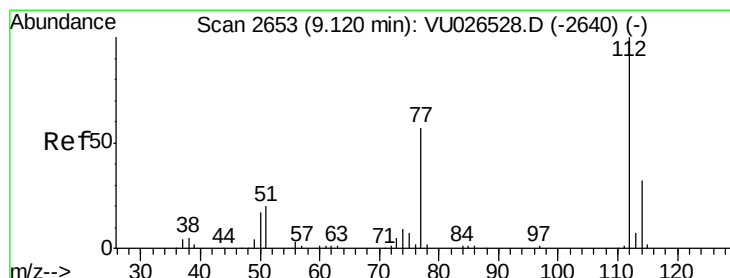
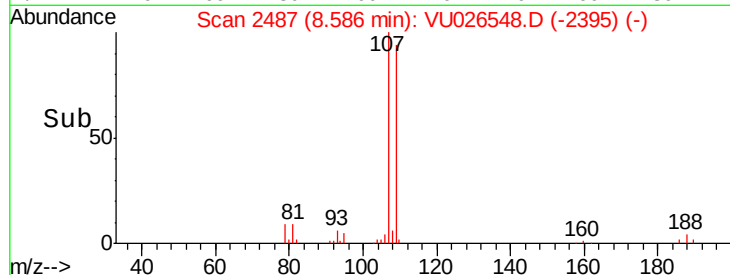
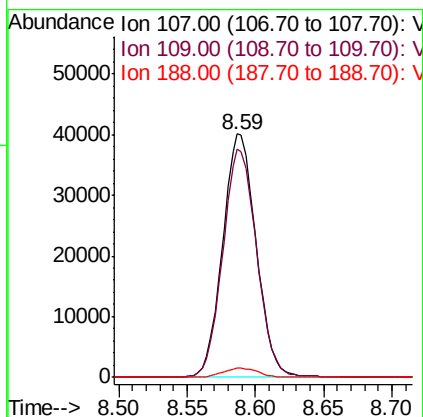
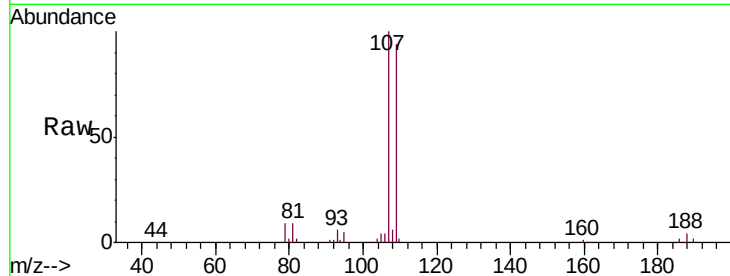




#50
 1,2-Dibromoethane
 Concen: 51.581 ug/L
 RT: 8.59 min Scan# 2487
 Delta R.T. -0.00 min
 Lab File: VU026548.D
 Acq: 05 Sep 2018 16:29

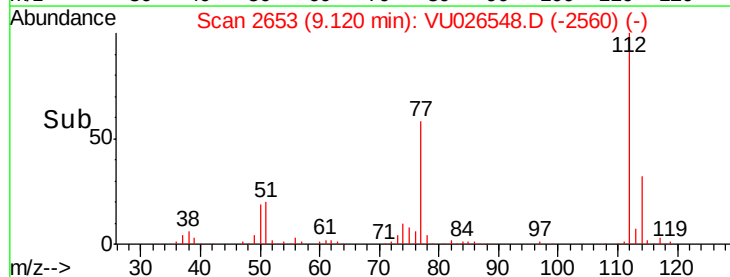
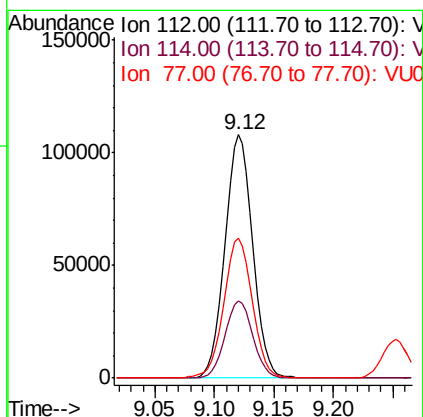
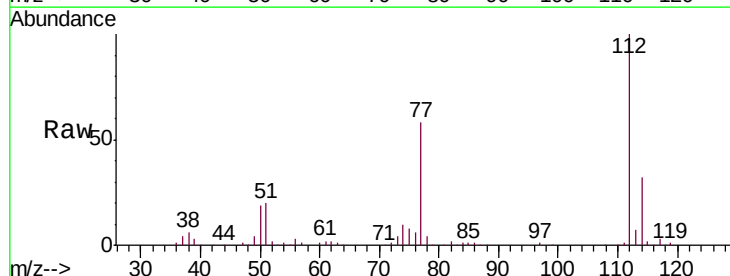
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

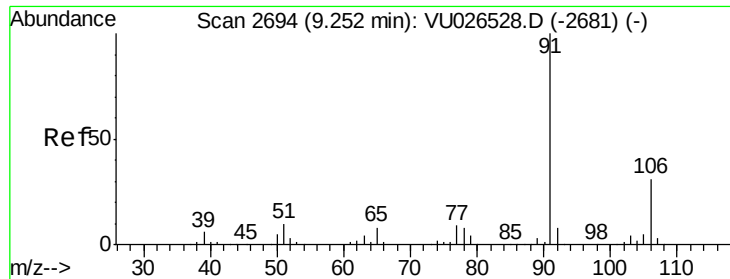
Tgt Ion:107 Resp: 68320
 Ion Ratio Lower Upper
 107 100
 109 93.6 63.4 117.8
 188 3.6 3.2 4.8



#51
 Chlorobenzene
 Concen: 50.986 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. 0.00 min
 Lab File: VU026548.D
 Acq: 05 Sep 2018 16:29

Tgt Ion:112 Resp: 174487
 Ion Ratio Lower Upper
 112 100
 114 31.8 23.2 43.2
 77 57.6 47.3 70.9

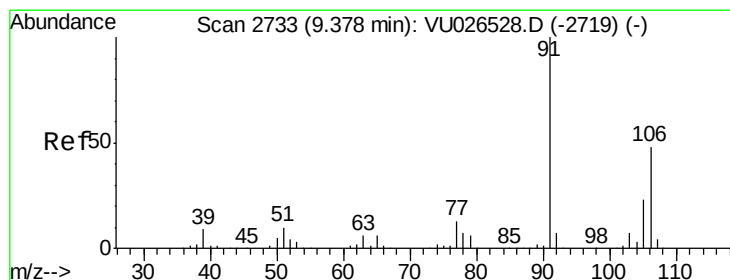
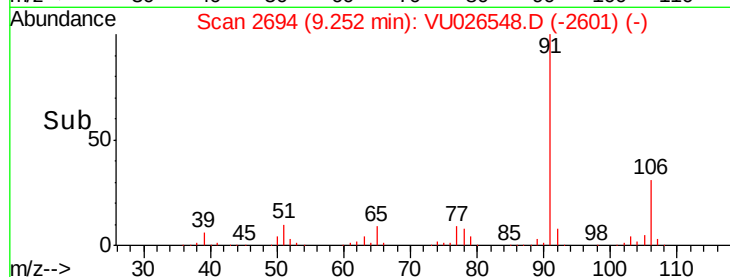
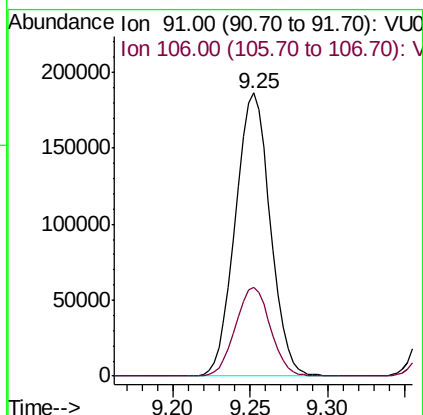
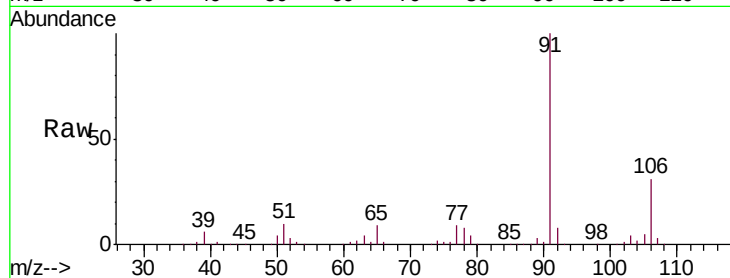




#52
Ethylbenzene
Concen: 52.547 ug/L
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU026548.D
Acq: 05 Sep 2018 16:29

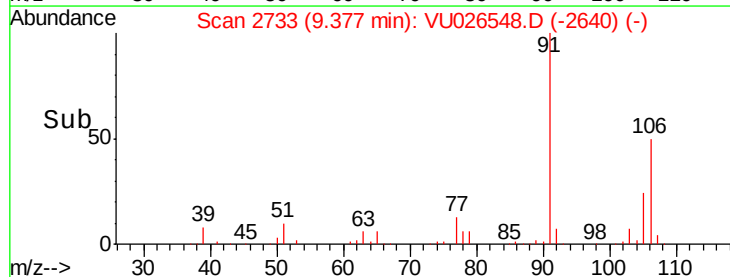
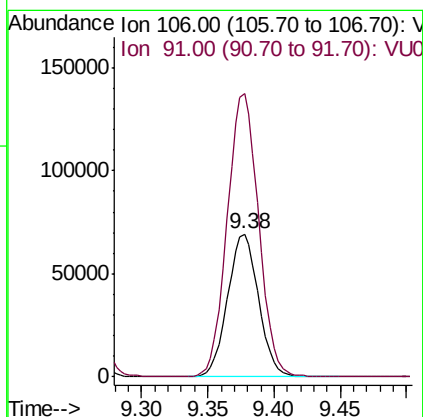
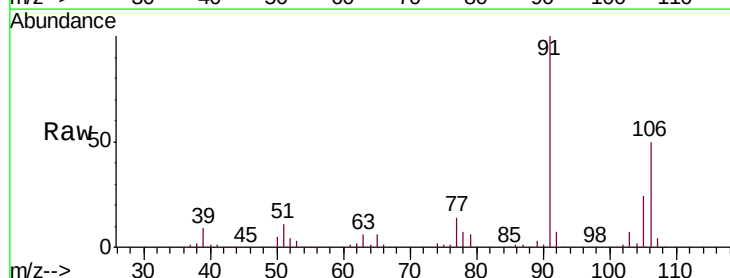
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

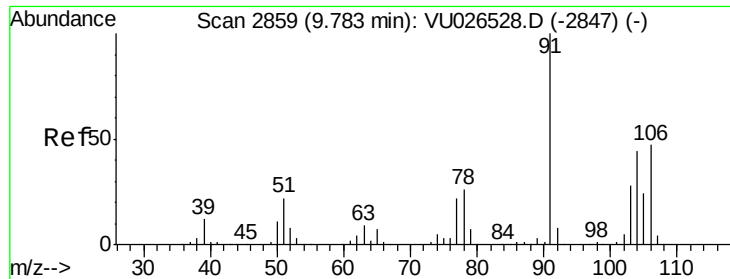
Tgt Ion: 91 Resp: 292479
Ion Ratio Lower Upper
91 100
106 31.5 21.6 40.2



#53
m,p-Xylene
Concen: 54.008 ug/L
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU026548.D
Acq: 05 Sep 2018 16:29

Tgt Ion: 106 Resp: 112245
Ion Ratio Lower Upper
106 100
91 198.4 143.0 265.6





#54

o-xylene

Concen: 54.249 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU026548.D

Acq: 05 Sep 2018 16:29

Instrument :

MSVOA_U

ClientSampleId :

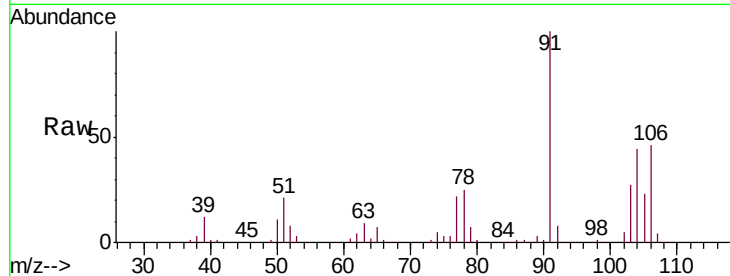
VSTD05058

Tgt Ion:106 Resp: 109949

Ion Ratio Lower Upper

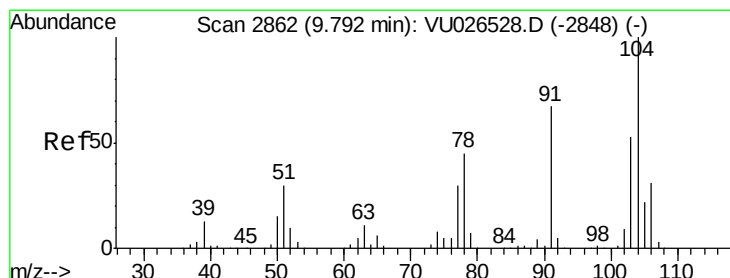
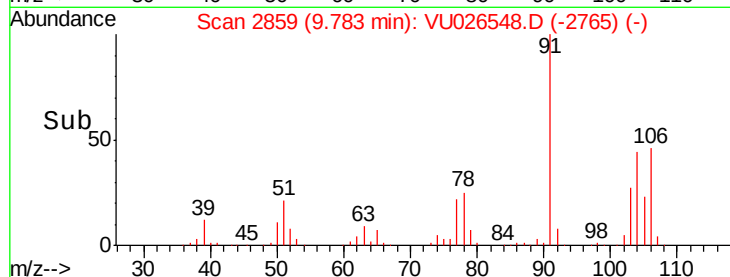
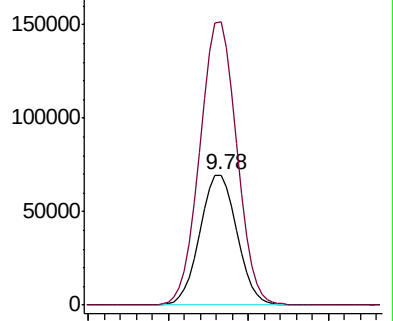
106 100

91 217.3 153.3 284.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 54.256 ug/L

RT: 9.79 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VU026548.D

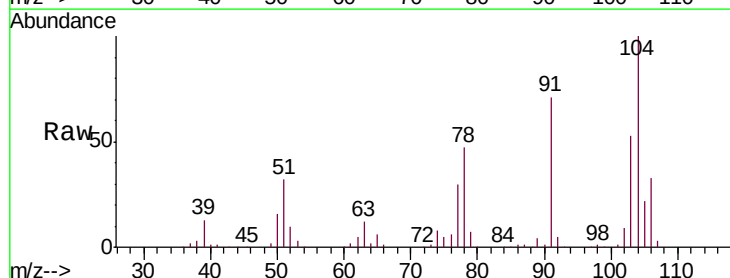
Acq: 05 Sep 2018 16:29

Tgt Ion:104 Resp: 192094

Ion Ratio Lower Upper

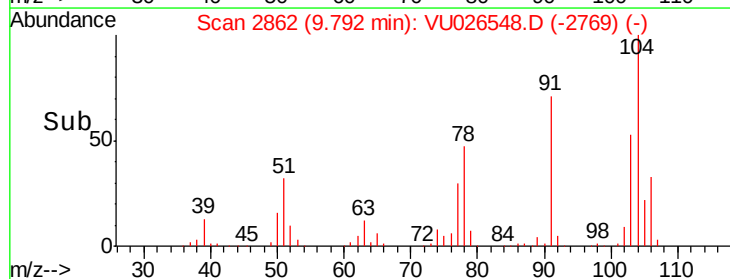
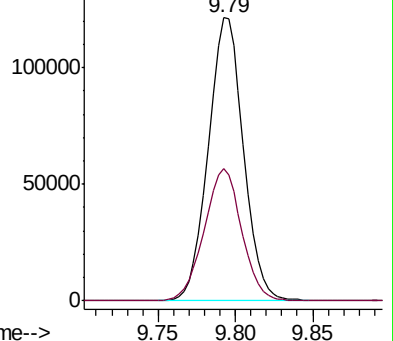
104 100

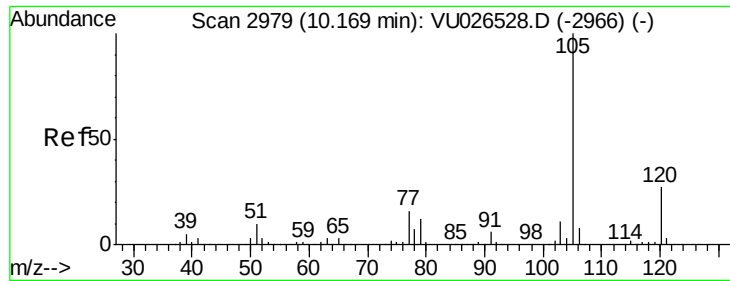
78 46.6 31.1 57.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 53.683 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026548.D

Acq: 05 Sep 2018 16:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

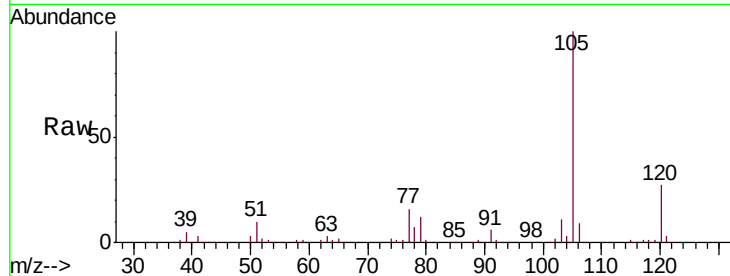
Tgt Ion: 105 Resp: 284805

Ion Ratio Lower Upper

105 100

120 26.8 21.5 32.3

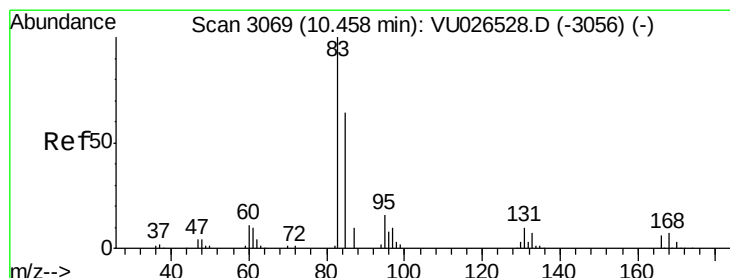
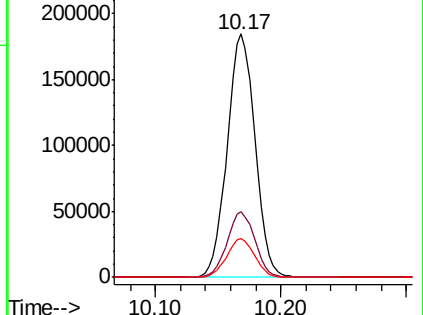
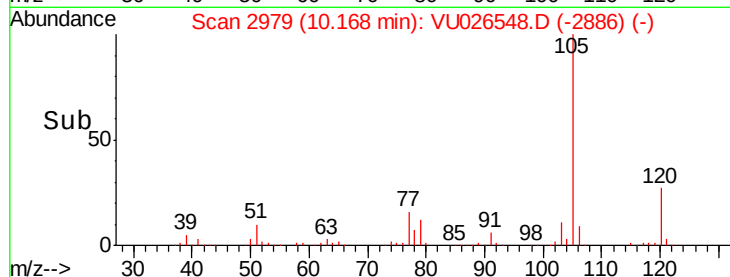
77 16.0 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 50.948 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU026548.D

Acq: 05 Sep 2018 16:29

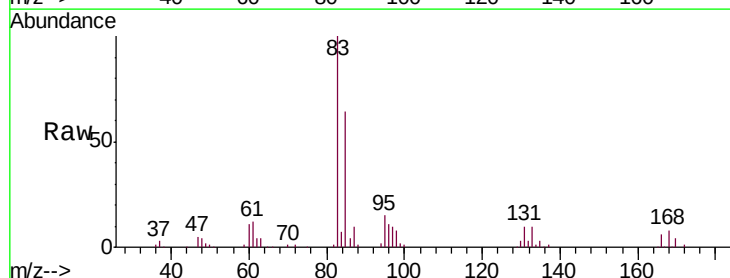
Tgt Ion: 83 Resp: 111627

Ion Ratio Lower Upper

83 100

85 63.5 44.3 82.3

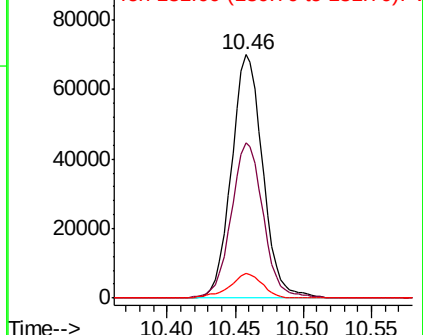
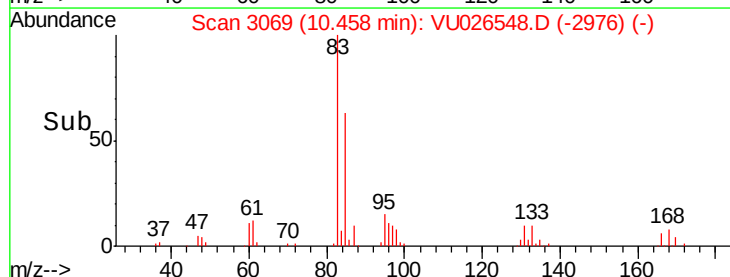
131 9.9 7.8 11.8

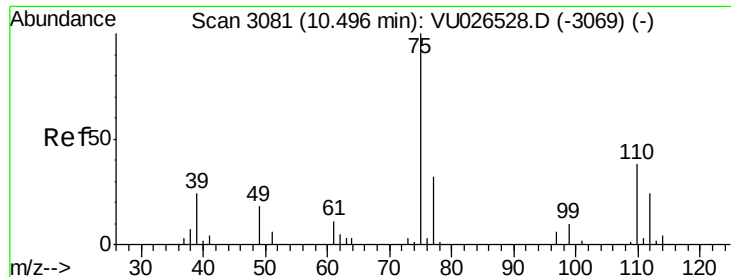


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

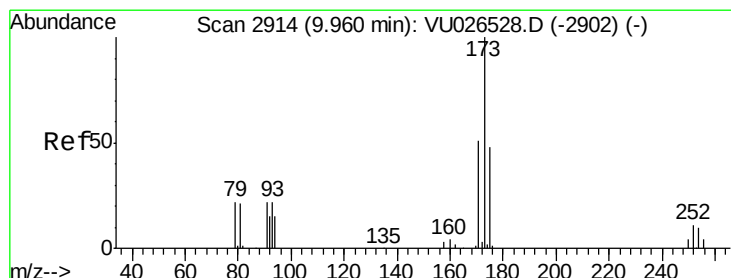
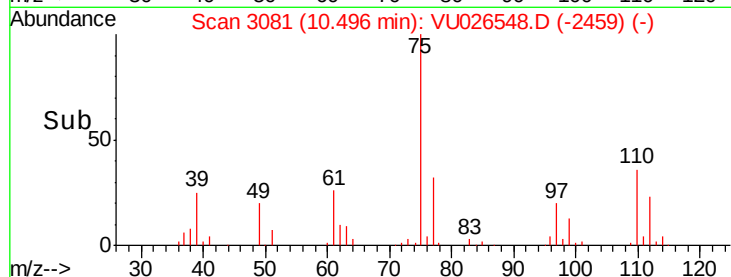
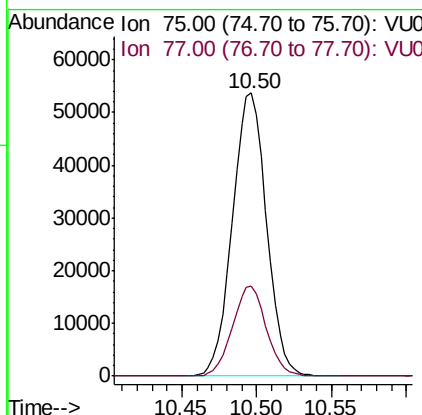
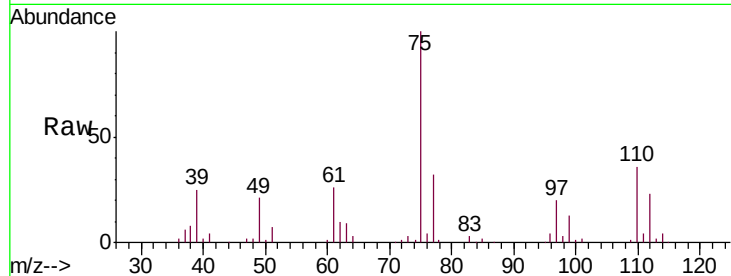




#59
 1,2,3-Trichloropropane
 Concen: 50.295 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026548.D
 Acq: 05 Sep 2018 16:29

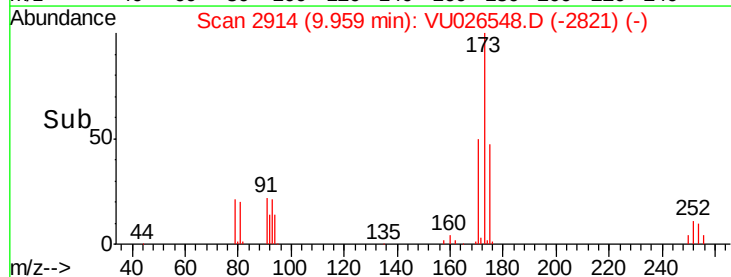
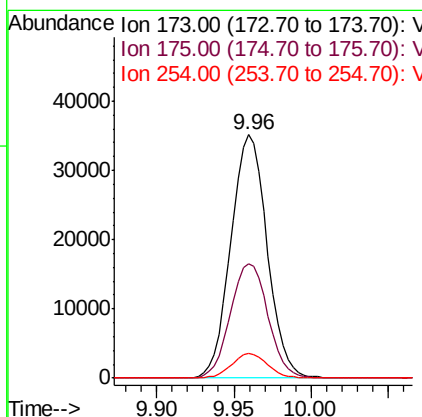
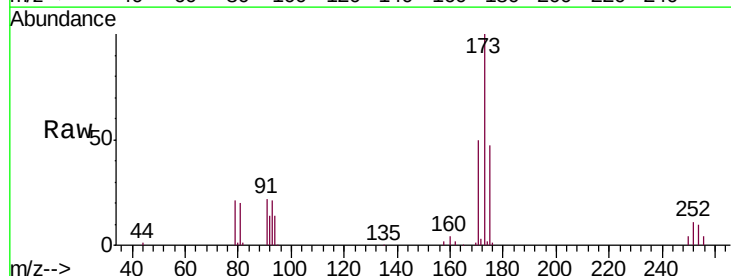
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

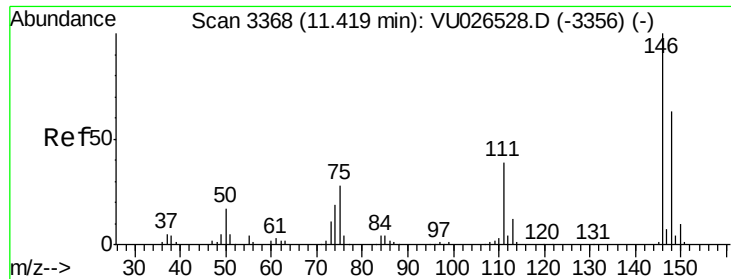
Tgt Ion: 75 Resp: 85210
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.0 37.6



#61
 Bromoform
 Concen: 54.208 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. -0.00 min
 Lab File: VU026548.D
 Acq: 05 Sep 2018 16:29

Tgt Ion: 173 Resp: 57213
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.5 57.7
 254 9.9 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 52.799 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026548.D

Acq: 05 Sep 2018 16:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

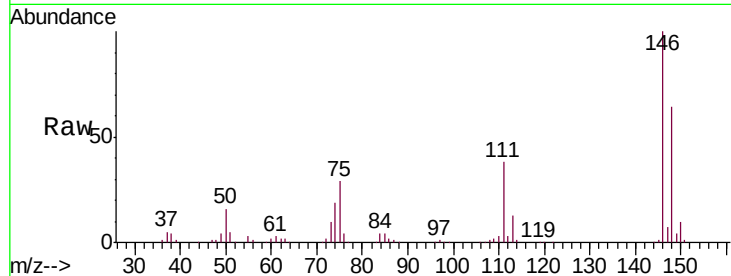
Tgt Ion:146 Resp: 132121

Ion Ratio Lower Upper

146 100

111 38.5 27.5 51.1

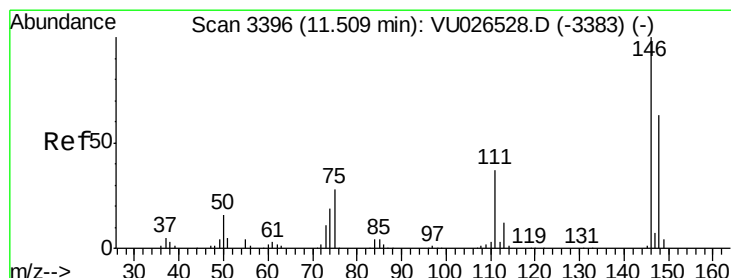
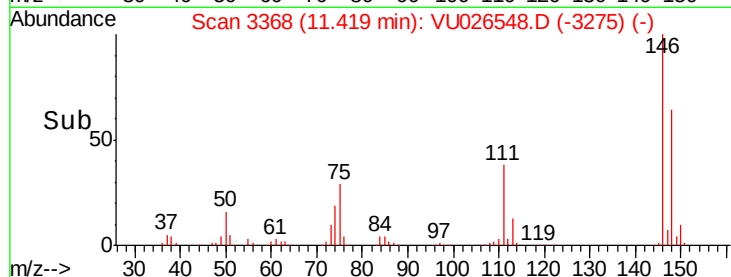
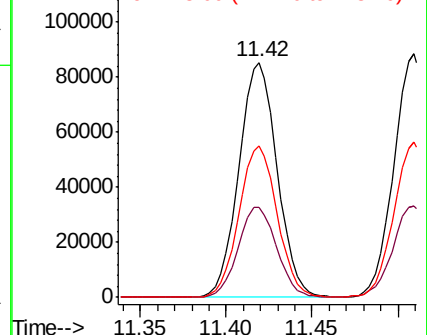
148 64.5 44.9 83.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 52.010 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU026548.D

Acq: 05 Sep 2018 16:29

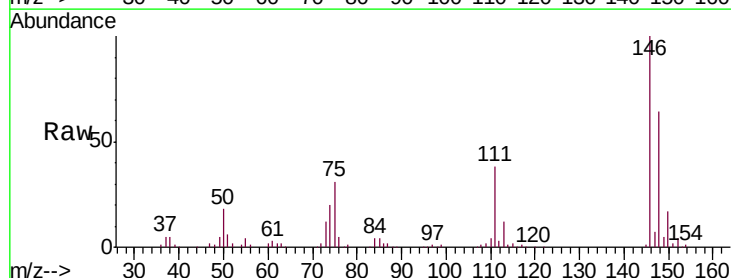
Tgt Ion:146 Resp: 137656

Ion Ratio Lower Upper

146 100

111 37.7 26.2 48.6

148 63.7 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

