

Data File : VU026528.D
Acq On : 05 Sep 2018 07:47
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

Quant Time: Sep 06 04:35:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 05 01:11:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	181551	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	172362	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	86629	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	47135	41.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.80%
7) Chloroethane-d5	1.68	69	41253	40.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.22%
11) 1,1-Dichloroethene-d2	2.27	63	105763	41.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.50%
21) 2-Butanone-d5	4.18	46	66823	76.54	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.54%
24) Chloroform-d	4.65	84	85370	40.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.36%
26) 1,2-Dichloroethane-d4	5.31	65	56650	40.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.10%
32) Benzene-d6	5.34	84	170933	43.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.06%
36) 1,2-Dichloropropane-d6	6.33	67	58021	42.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.04%
41) Toluene-d8	7.57	98	163557	42.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.30%
43) trans-1,3-Dichloropropene-	7.85	79	26613	42.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.40%
47) 2-Hexanone-d5	8.31	63	52748	84.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.27%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	84310	41.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.86%
64) 1,2-Dichlorobenzene-d4	11.86	152	67508	42.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.90%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	67330	47.562 ug/L	99
3) Chloromethane	1.33	50	80022	45.781 ug/L	100
5) Vinyl chloride	1.40	62	86466	45.630 ug/L	99
6) Bromomethane	1.62	94	53288	47.434 ug/L	100
8) Chloroethane	1.70	64	52394	46.051 ug/L	100
9) Trichlorofluoromethane	1.89	101	111126	46.117 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	67789	50.418 ug/L	99
12) 1,1-Dichloroethene	2.28	96	61631	47.559 ug/L	88
13) Acetone	2.32	43	94658	125.214 ug/L	99
14) Carbon disulfide	2.48	76	171587	46.788 ug/L	99
15) Methyl Acetate	2.62	43	69275	46.669 ug/L	98
16) Methylene chloride	2.70	84	65150	48.898 ug/L	96
17) trans-1,2-Dichloroethene	2.98	96	57512	49.065 ug/L	97
18) Methyl tert-butyl Ether	3.00	73	179472	50.438 ug/L	100
19) 1,1-Dichloroethane	3.45	63	114124	49.550 ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	65367	49.781 ug/L	98
22) 2-Butanone	4.26	43	107876	106.163 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	34270	50.657	ug/L	98
25) Chloroform	4.67	83	120096	51.058	ug/L	97
27) 1,2-Dichloroethane	5.41	62	90959	47.948	ug/L	100
29) Cyclohexane	5.00	56	98706	52.559	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	96346	50.795	ug/L	99
31) Carbon tetrachloride	5.14	117	88456	51.326	ug/L	100
33) Benzene	5.39	78	254469	51.497	ug/L	100
34) Trichloroethene	6.19	95	62717	50.600	ug/L	98
35) Methylcyclohexane	6.42	83	106110	54.826	ug/L	100
37) 1,2-Dichloropropane	6.44	63	71650	52.377	ug/L	100
38) Bromodichloromethane	6.76	83	87691	50.268	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	101972	52.314	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	182230	98.776	ug/L	99
42) Toluene	7.64	91	265862	51.562	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	96209	51.785	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	62923	50.210	ug/L	99
46) Tetrachloroethene	8.23	164	53320	52.617	ug/L	98
48) 2-Hexanone	8.36	43	150882	103.842	ug/L	98
49) Dibromochloromethane	8.48	129	73505	52.055	ug/L	98
50) 1,2-Dibromoethane	8.59	107	66763	50.029	ug/L	97
51) Chlorobenzene	9.12	112	171279	49.675	ug/L	98
52) Ethylbenzene	9.25	91	287758	51.313	ug/L	100
53) m,p-Xylene	9.38	106	109302	52.200	ug/L	98
54) o-xylene	9.78	106	108409	53.090	ug/L	96
55) Styrene	9.79	104	188095	52.730	ug/L	99
56) Isopropylbenzene	10.17	105	281023	52.575	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	108789	49.282	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	82520	48.344	ug/L	99
61) Bromoform	9.96	173	55026	51.465	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	130194	51.359	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	136283	50.829	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	140624	52.594	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	22000	48.933	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	108396	52.986	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	90612	50.711	ug/L	98
69) Naphthalene	13.74	128	286148	51.291	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	101403	51.684	ug/L	100

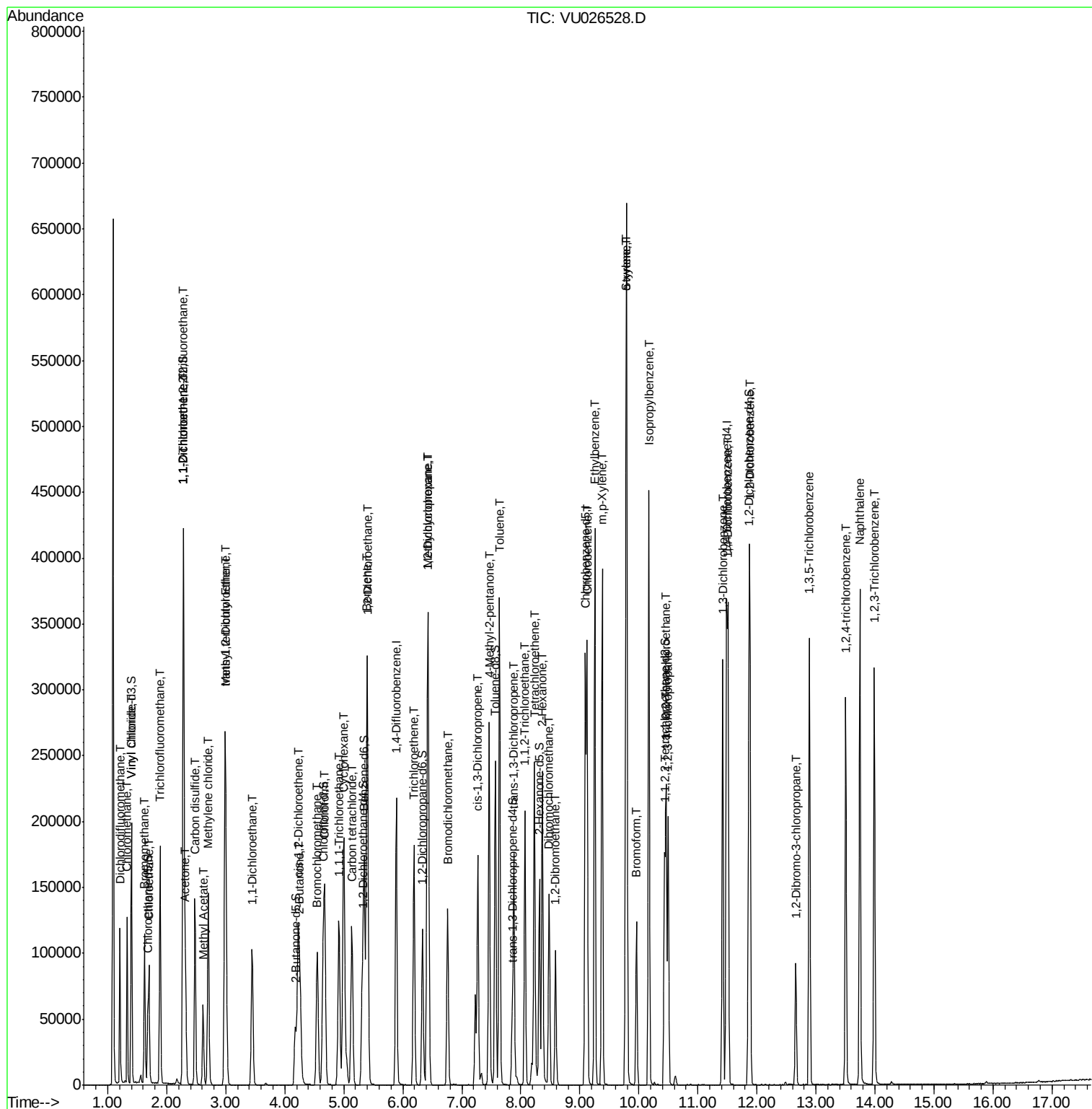
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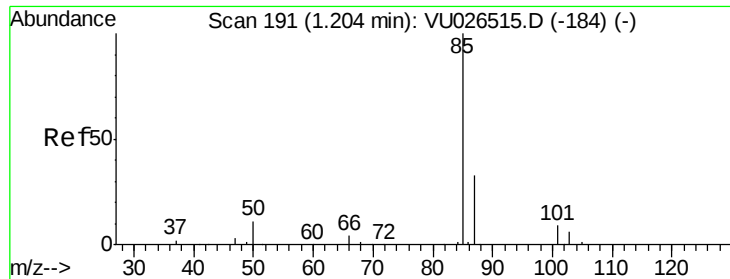
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#2

Dichlorodifluoromethane

Concen: 47.562 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU026528.D

Acq: 05 Sep 2018 07:47

Instrument :

MSVOA_U

ClientSampleId :

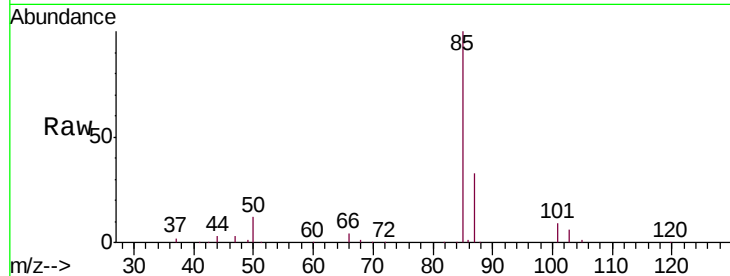
VSTD05057

Tgt Ion: 85 Resp: 67330

Ion Ratio Lower Upper

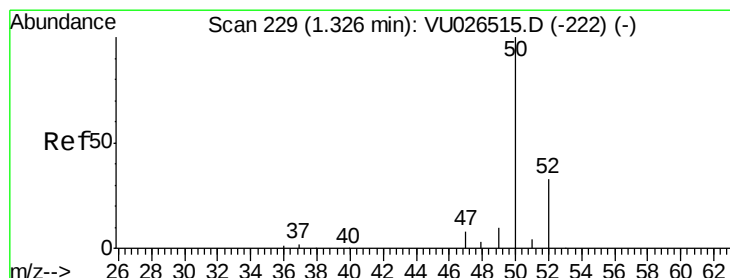
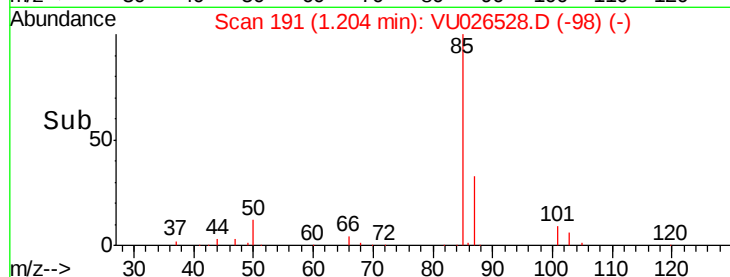
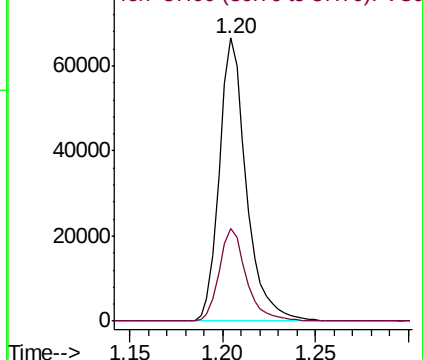
85 100

87 32.7 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: 45.781 ug/L

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU026528.D

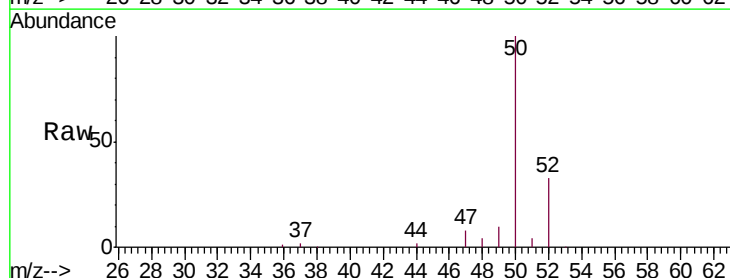
Acq: 05 Sep 2018 07:47

Tgt Ion: 50 Resp: 80022

Ion Ratio Lower Upper

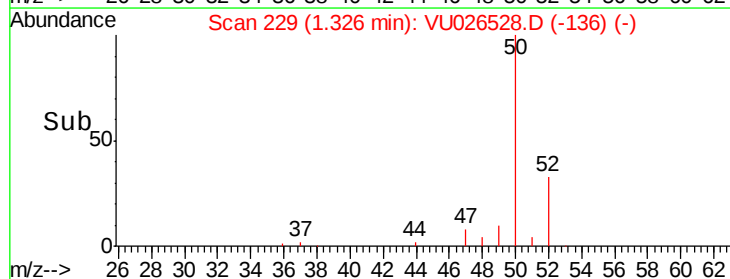
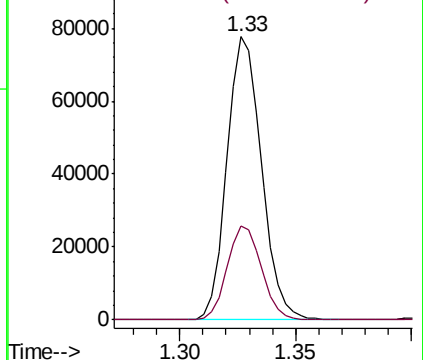
50 100

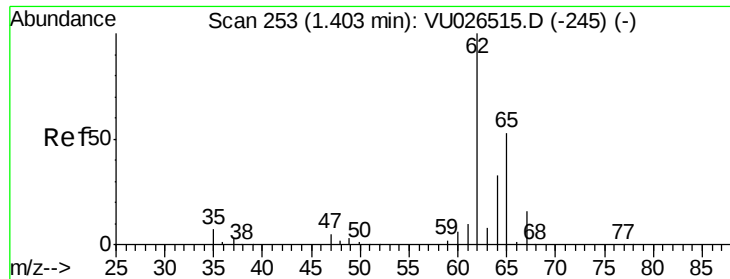
52 33.1 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 45.630 ug/L

RT: 1.40 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU026528.D

Acq: 05 Sep 2018 07:47

Instrument :

MSVOA_U

ClientSampleId :

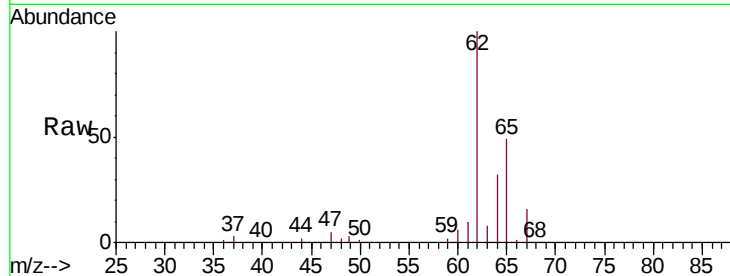
VSTD05057

Tgt Ion: 62 Resp: 86466

Ion Ratio Lower Upper

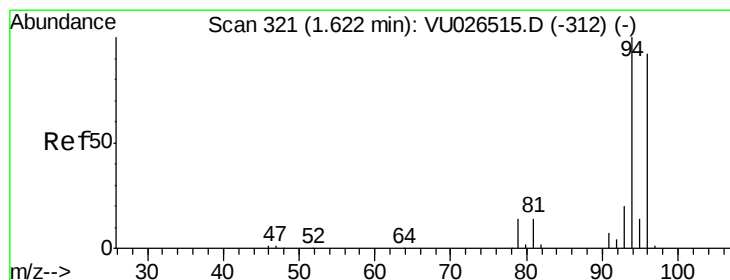
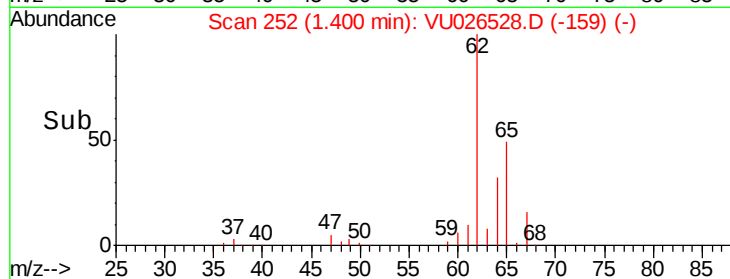
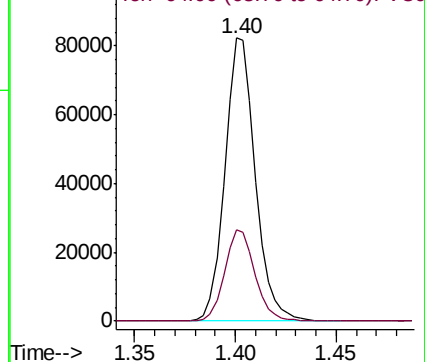
62 100

64 32.5 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 47.434 ug/L

RT: 1.62 min Scan# 321

Delta R.T. 0.00 min

Lab File: VU026528.D

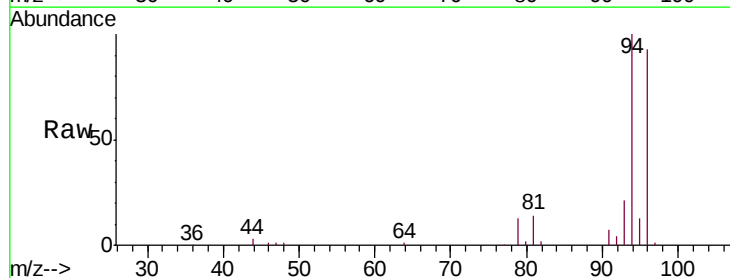
Acq: 05 Sep 2018 07:47

Tgt Ion: 94 Resp: 53288

Ion Ratio Lower Upper

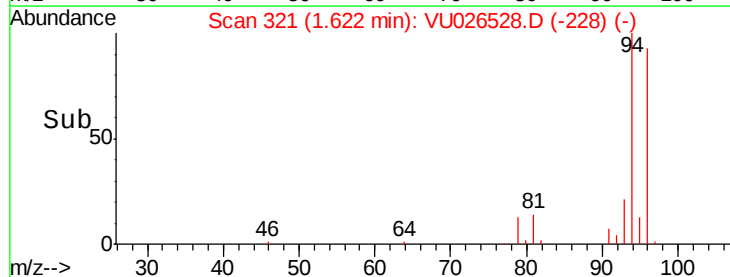
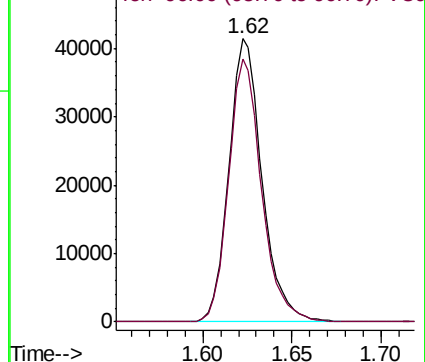
94 100

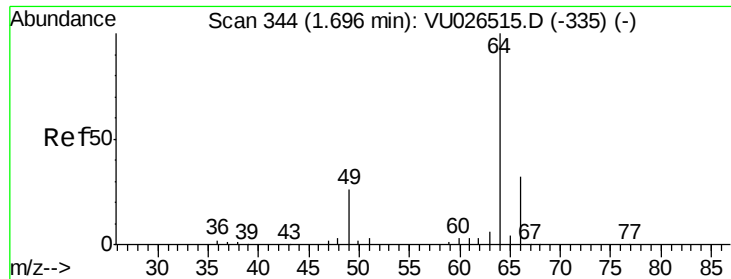
96 92.9 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 46.051 ug/L

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU026528.D

Acq: 05 Sep 2018 07:47

Instrument :

MSVOA_U

ClientSampleId :

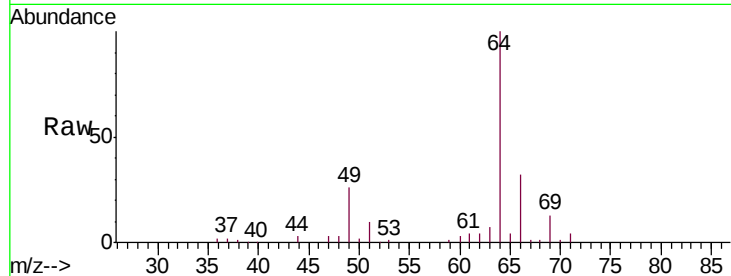
VSTD05057

Tgt Ion: 64 Resp: 52394

Ion Ratio Lower Upper

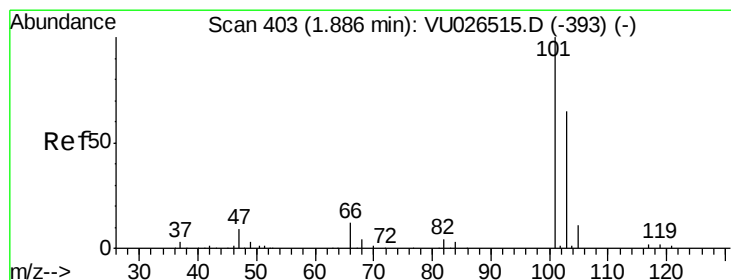
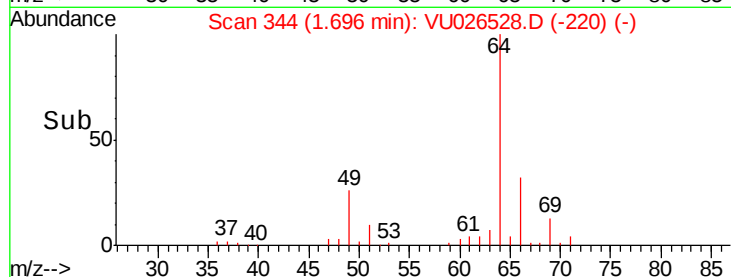
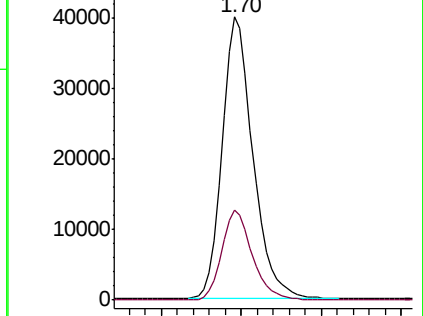
64 100

66 31.6 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VU026515.D

Ion 66.00 (65.70 to 66.70): VU026515.D



#9

Trichlorofluoromethane

Concen: 46.117 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU026528.D

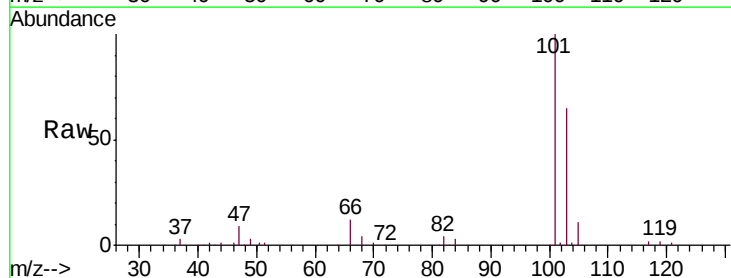
Acq: 05 Sep 2018 07:47

Tgt Ion: 101 Resp: 111126

Ion Ratio Lower Upper

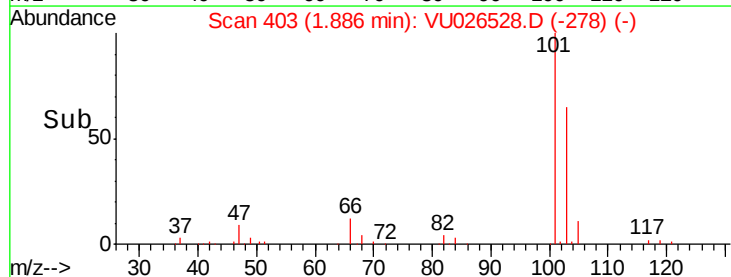
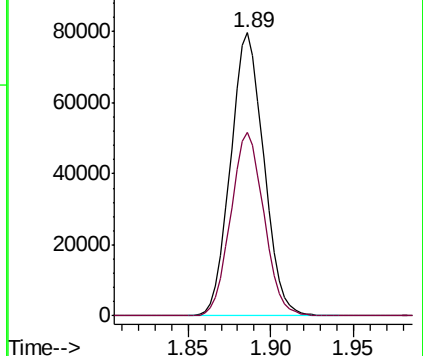
101 100

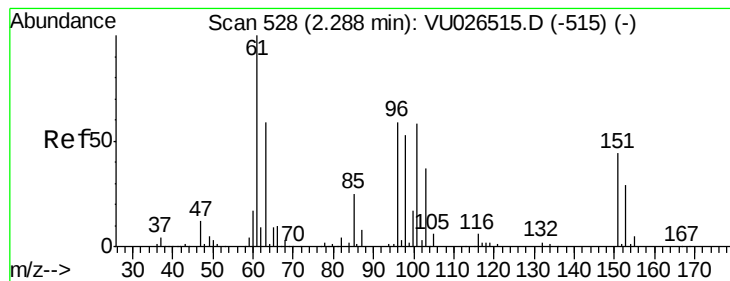
103 64.7 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VU026515.D

Ion 103.00 (102.70 to 103.70): VU026515.D





#10

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

Concen: 50.418 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026528.D

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Instrument :

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ClientSampleId :

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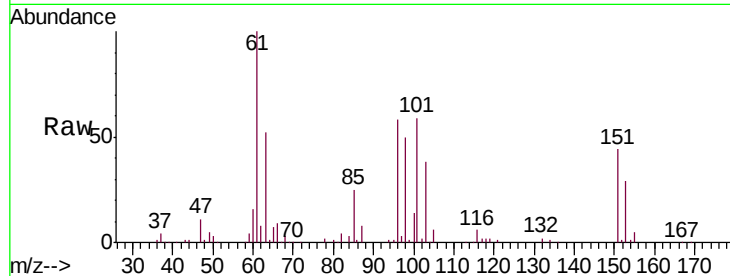
Tgt Ion:101 Resp: 67789

Ion Ratio Lower Upper

101 100

85 43.1 35.3 52.9

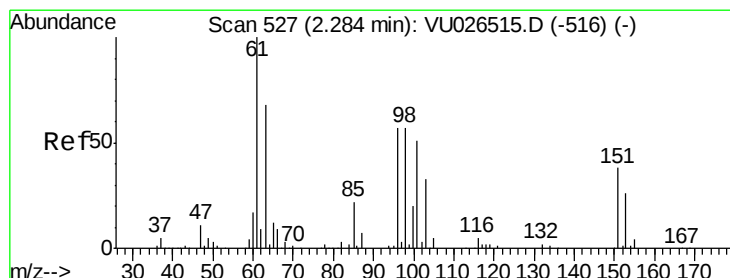
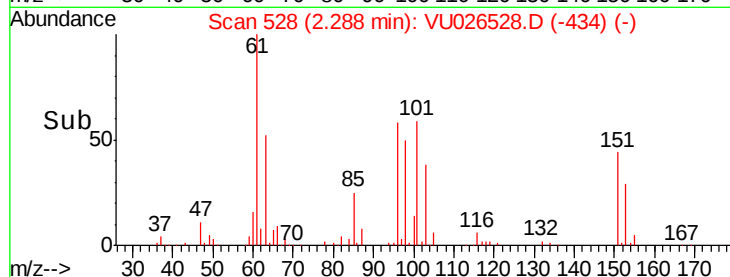
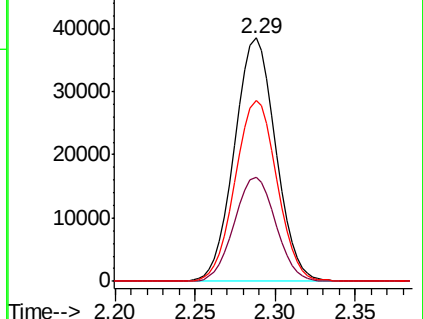
151 75.4 60.7 91.1



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: 47.559 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026528.D

Acq: 05 Sep 2018 07:47

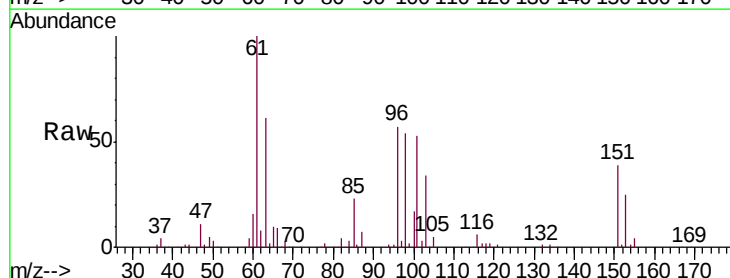
Tgt Ion: 96 Resp: 61631

Ion Ratio Lower Upper

96 100

61 176.4 129.3 240.1

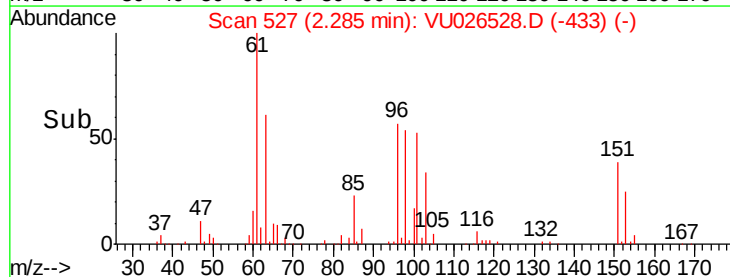
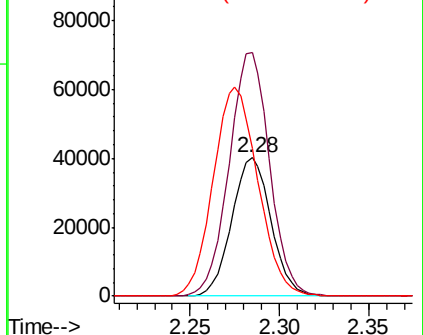
63 107.0 91.7 170.3

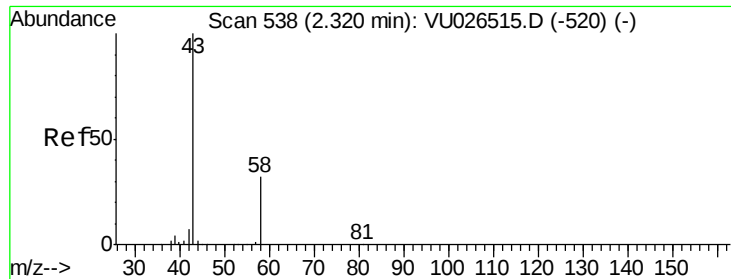


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 125.214 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026528.D

Acq: 05 Sep 2018 07:47

Instrument :

MSVOA_U

ClientSampleId :

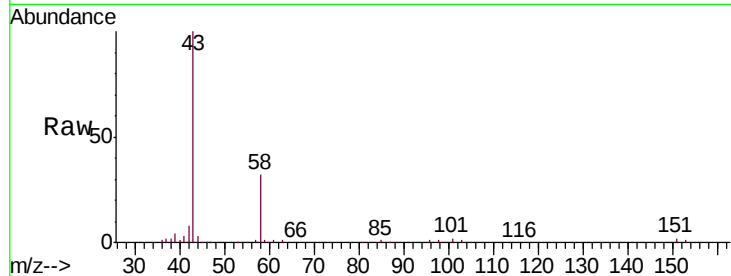
VSTD05057

Tgt Ion: 43 Resp: 94658

Ion Ratio Lower Upper

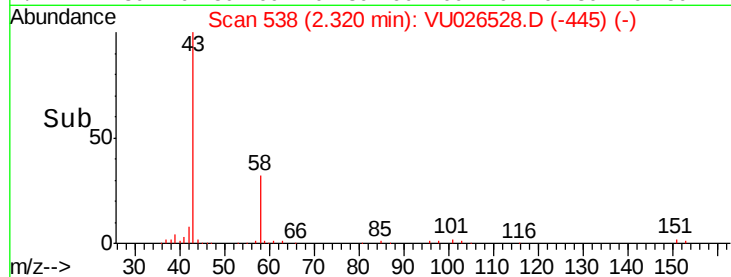
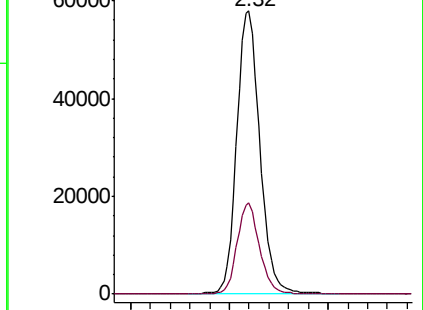
43 100

58 31.0 0.0 61.2

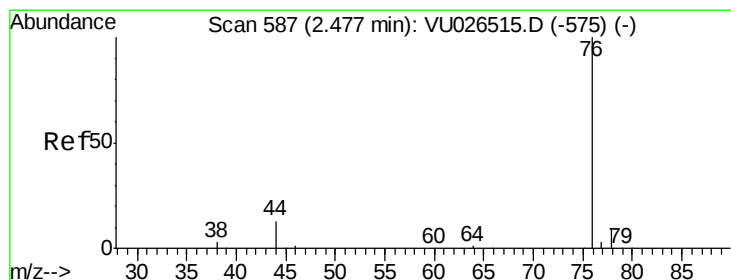


Abundance Ion 43.00 (42.70 to 43.70): VU026528.D (-445) (-)

Ion 58.00 (57.70 to 58.70): VU026528.D (-445) (-)



Time-->



#14

Carbon disulfide

Concen: 46.788 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU026528.D

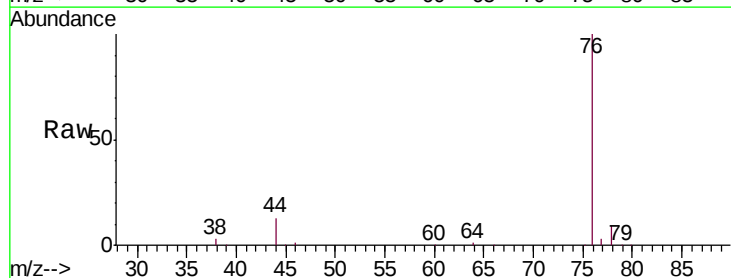
Acq: 05 Sep 2018 07:47

Tgt Ion: 76 Resp: 171587

Ion Ratio Lower Upper

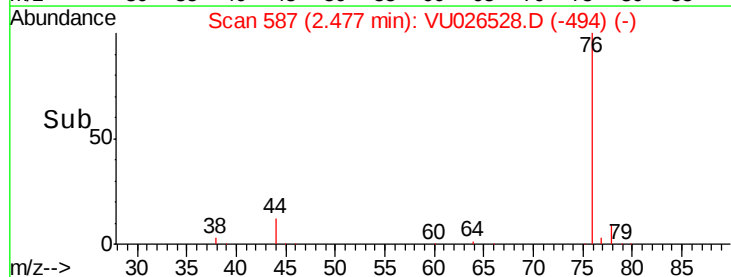
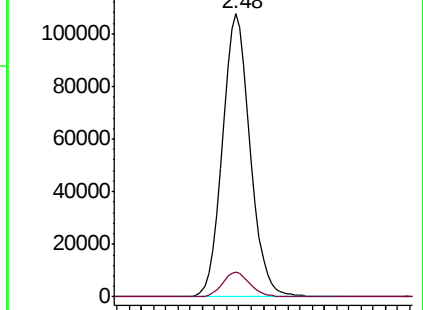
76 100

78 8.9 7.3 10.9

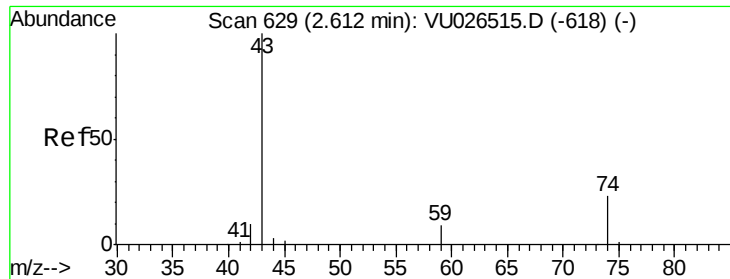


Abundance Ion 76.00 (75.70 to 76.70): VU026528.D (-494) (-)

Ion 78.00 (77.70 to 78.70): VU026528.D (-494) (-)



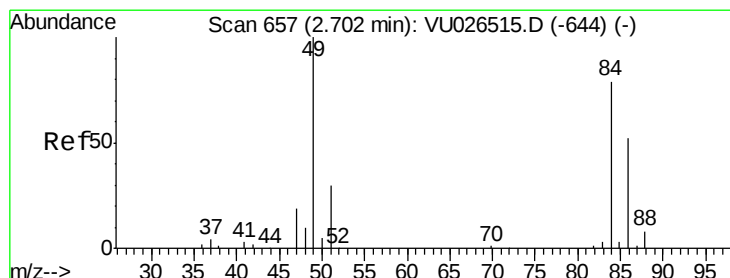
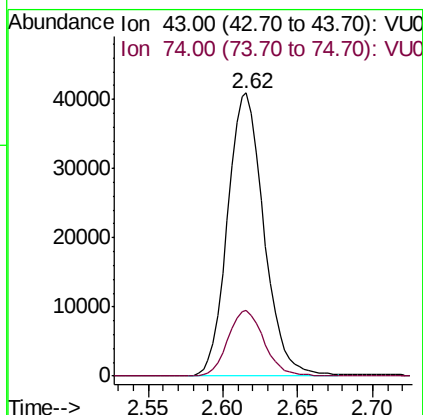
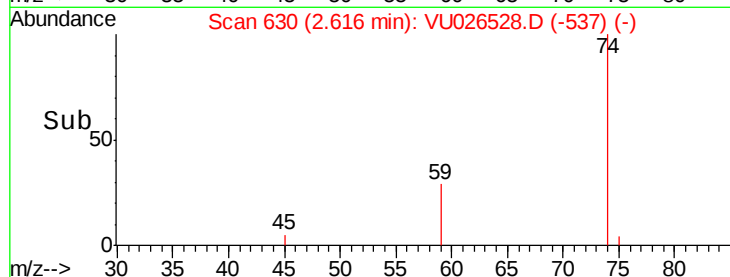
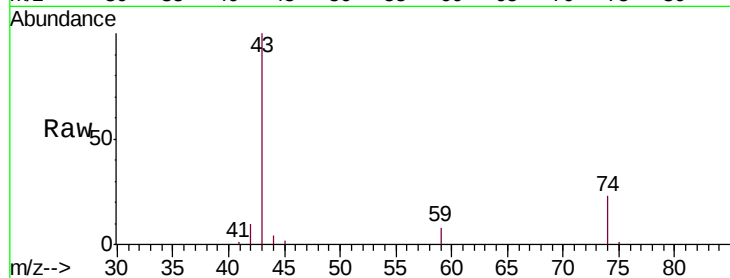
Time-->



#15
Methyl Acetate
Concen: 46.669 ug/L
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU026528.D
Acq: 05 Sep 2018 07:47

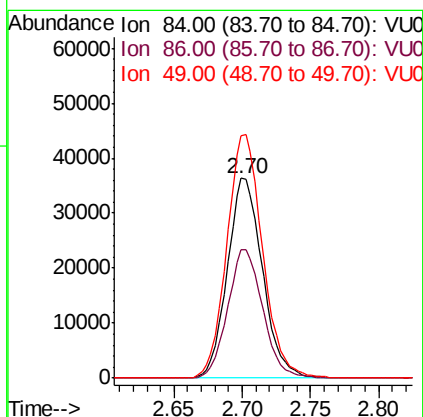
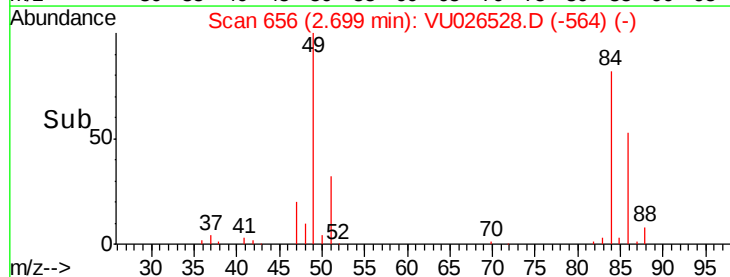
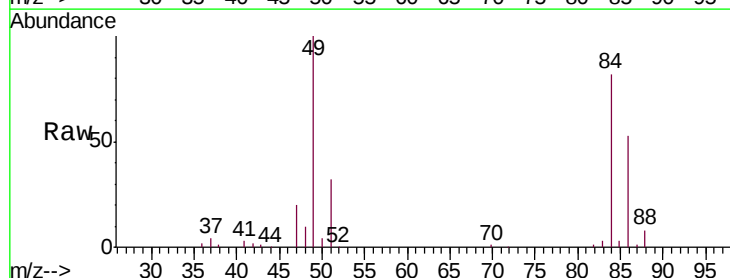
Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

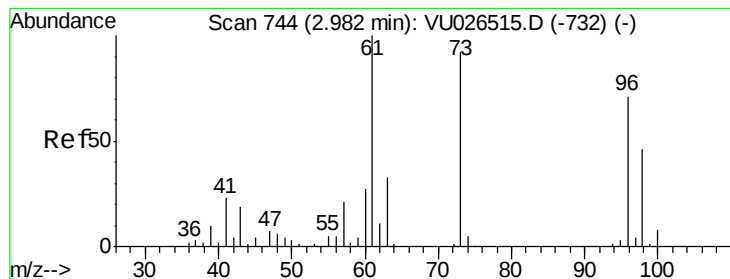
Tgt Ion: 43 Resp: 69275
Ion Ratio Lower Upper
43 100
74 23.1 17.8 26.6



#16
Methylene chloride
Concen: 48.898 ug/L
RT: 2.70 min Scan# 656
Delta R.T. -0.00 min
Lab File: VU026528.D
Acq: 05 Sep 2018 07:47

Tgt Ion: 84 Resp: 65150
Ion Ratio Lower Upper
84 100
86 64.1 46.2 85.8
49 121.3 88.2 163.8





#17

trans-1,2-Dichloroethene

Concen: 49.065 ug/L

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU026528.D

Acq: 05 Sep 2018 07:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

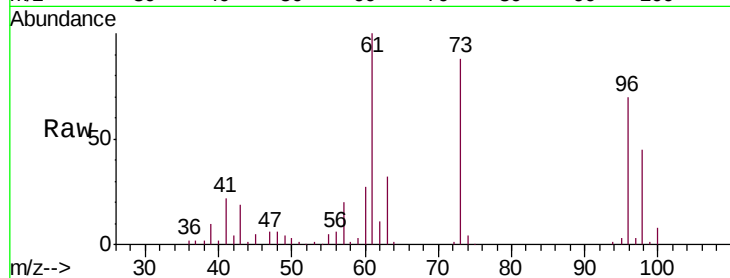
Tgt Ion: 96 Resp: 57512

Ion Ratio Lower Upper

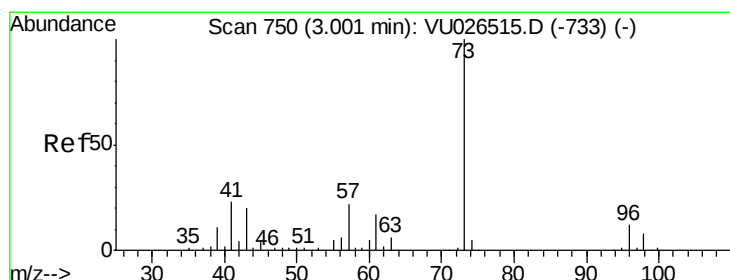
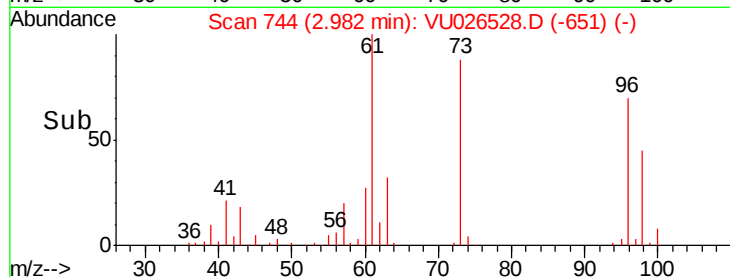
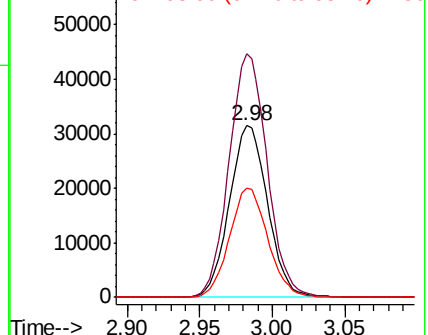
96 100

61 142.0 103.2 191.6

98 64.0 44.9 83.3



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



#18

Methyl tert-butyl Ether

Concen: 50.438 ug/L

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU026528.D

Acq: 05 Sep 2018 07:47

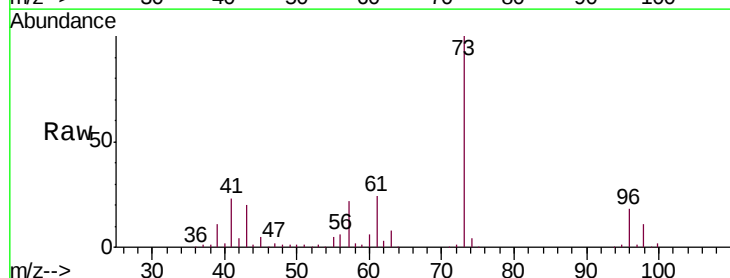
Tgt Ion: 73 Resp: 179472

Ion Ratio Lower Upper

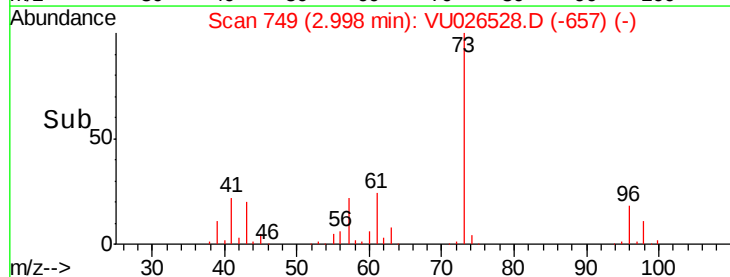
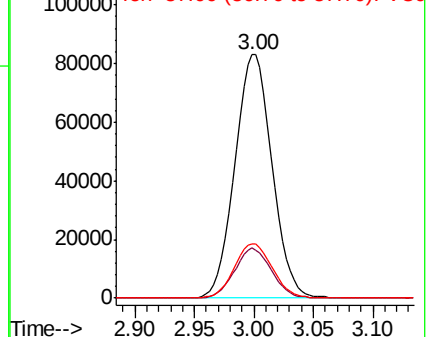
73 100

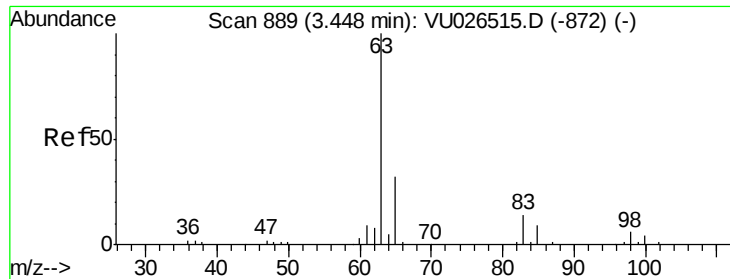
43 20.4 16.6 25.0

57 22.7 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 49.550 ug/L

RT: 3.45 min Scan# 888

Delta R.T. -0.00 min

Lab File: VU026528.D

Acq: 05 Sep 2018 07:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

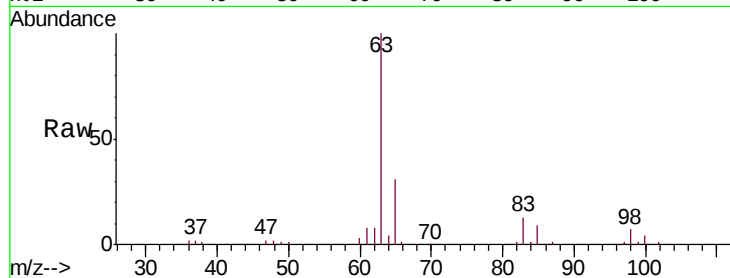
Tgt Ion: 63 Resp: 114124

Ion Ratio Lower Upper

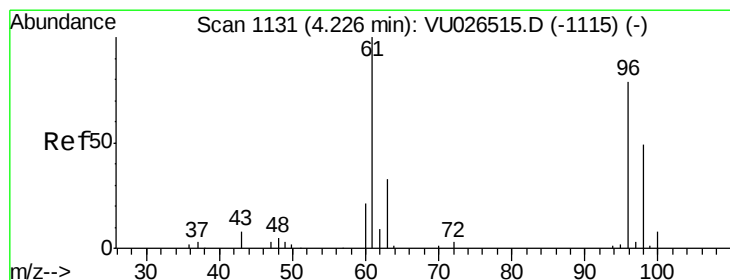
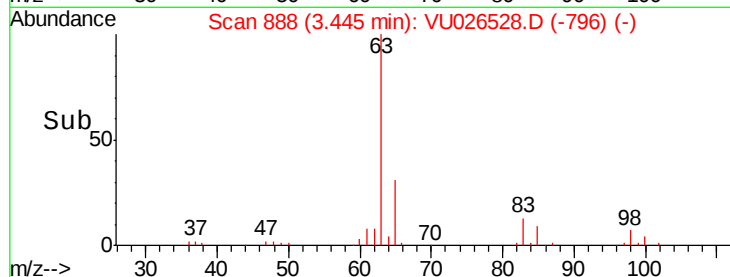
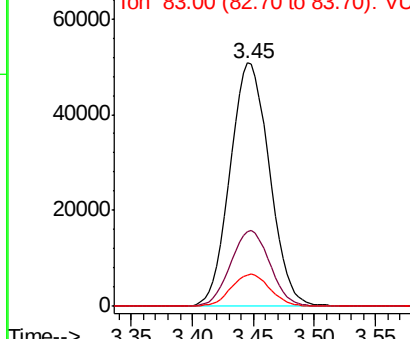
63 100

65 30.8 21.6 40.2

83 12.9 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: 49.781 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VU026528.D

Acq: 05 Sep 2018 07:47

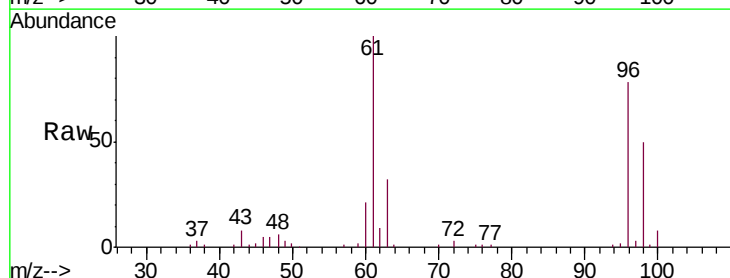
Tgt Ion: 96 Resp: 65367

Ion Ratio Lower Upper

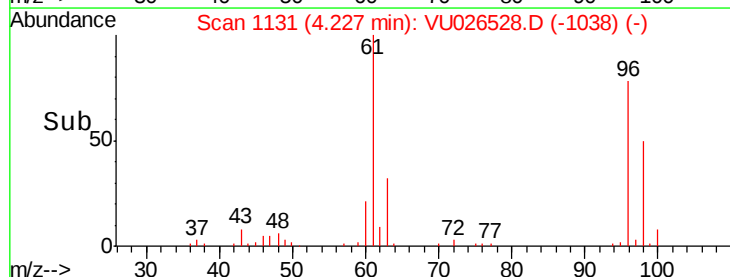
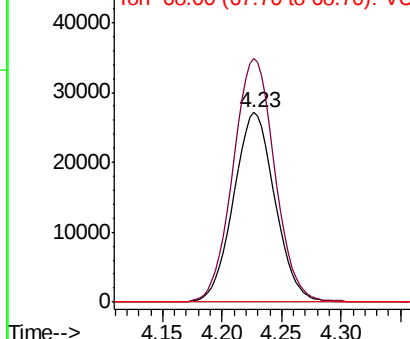
96 100

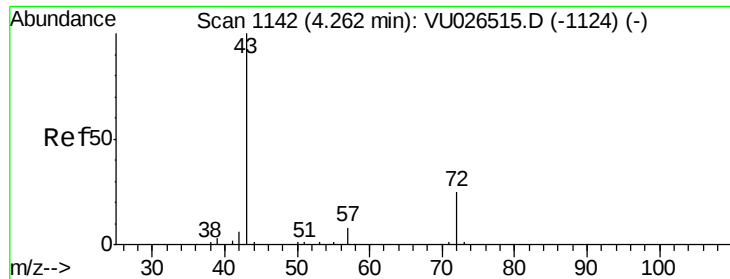
61 128.3 91.6 170.2

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: 106.163 ug/L

RT: 4.26 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VU026528.D

Acq: 05 Sep 2018 07:47

Instrument :

MSVOA_U

ClientSampleId :

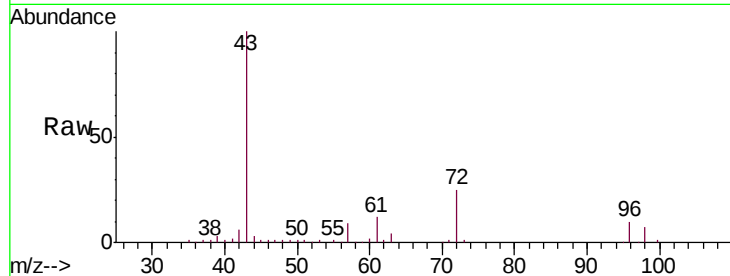
VSTD05057

Tgt Ion: 43 Resp: 107876

Ion Ratio Lower Upper

43 100

72 26.4 13.0 38.9

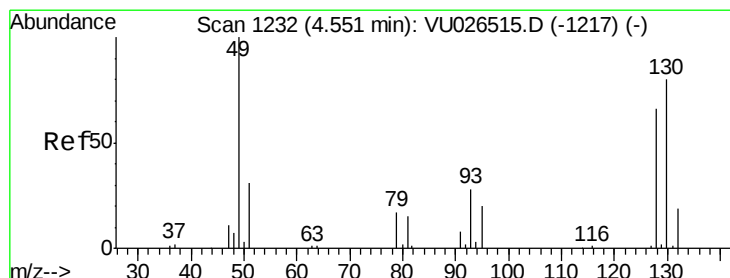
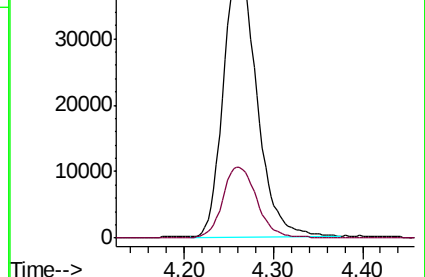
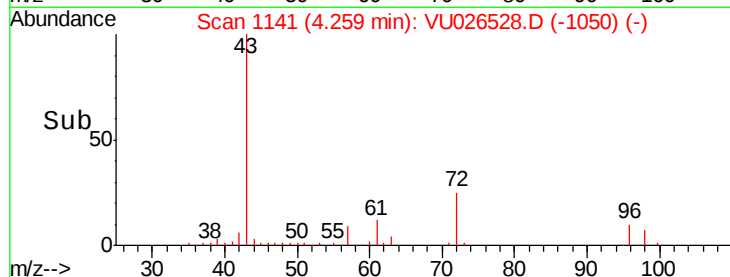


Abundance Ion 43.00 (42.70 to 43.70): VU026515.D (-1124) (-)

Ion 72.00 (71.70 to 72.70): VU026515.D (-1124) (-)

4.26

Time-->



#23

Bromochloromethane

Concen: 50.657 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU026528.D

Acq: 05 Sep 2018 07:47

Tgt Ion: 128 Resp: 34270

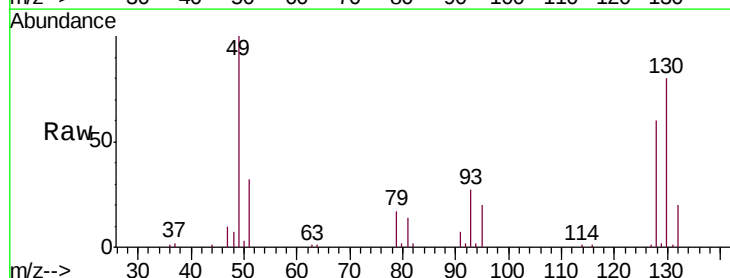
Ion Ratio Lower Upper

128 100

49 167.9 121.2 225.0

130 134.4 94.1 174.7

51 53.2 45.1 67.7



Abundance Ion 128.00 (127.70 to 128.70): VU026515.D (-1217) (-)

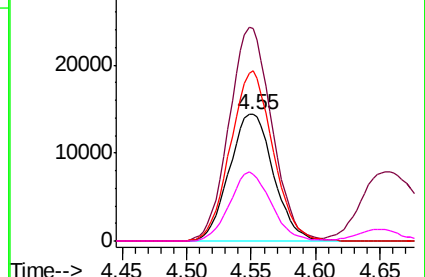
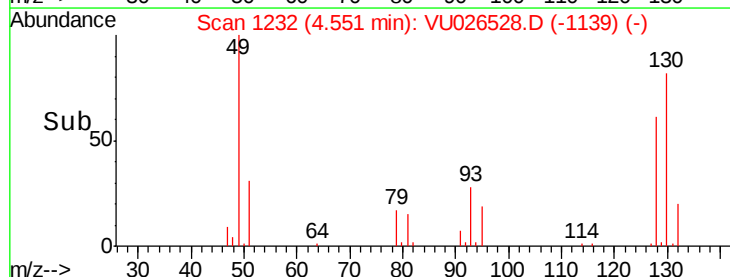
Ion 49.00 (48.70 to 49.70): VU026515.D (-1217) (-)

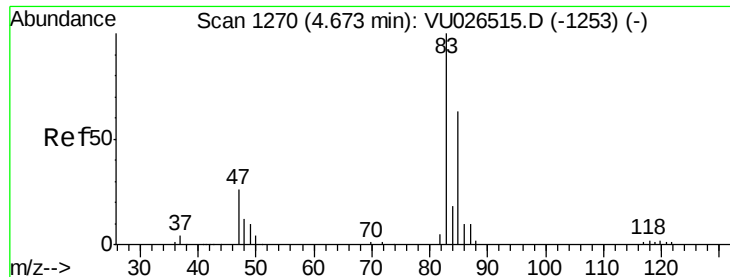
Ion 130.00 (129.70 to 130.70): VU026515.D (-1217) (-)

Ion 51.00 (50.70 to 51.70): VU026515.D (-1217) (-)

4.55

Time-->

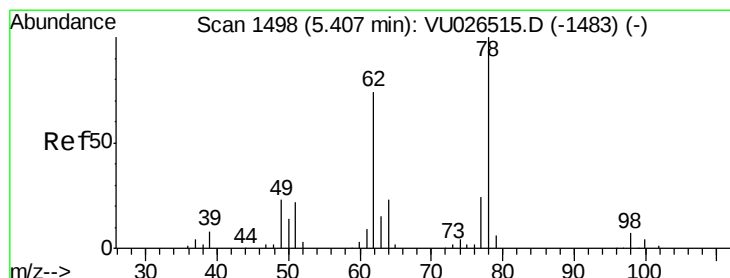
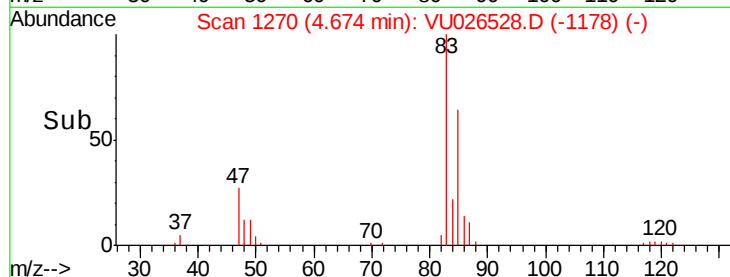
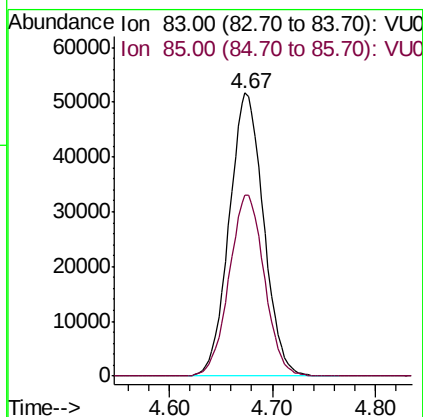
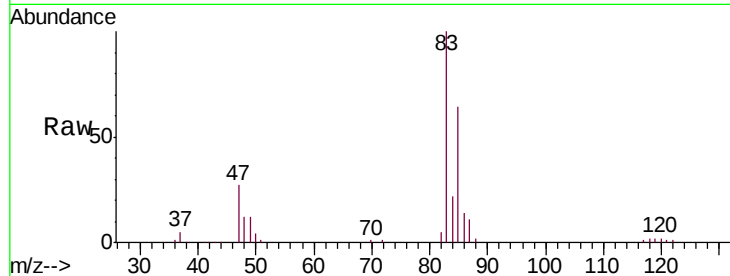




#25
Chloroform
Concen: 51.058 ug/L
RT: 4.67 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU026528.D
Acq: 05 Sep 2018 07:47

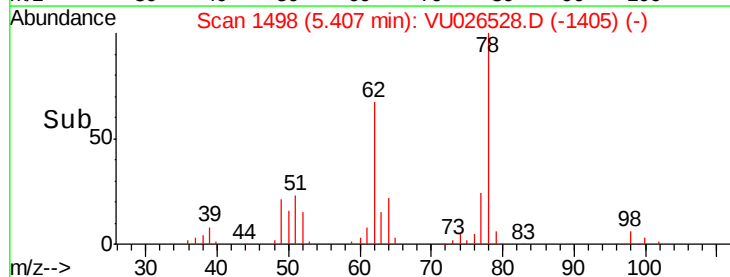
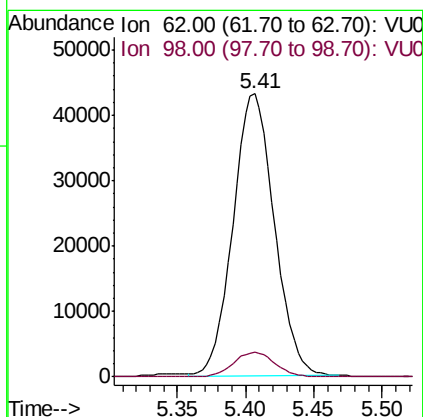
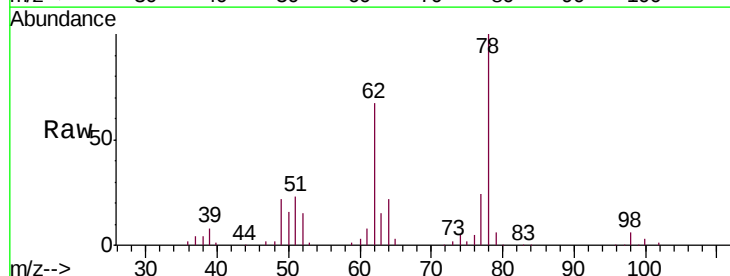
Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

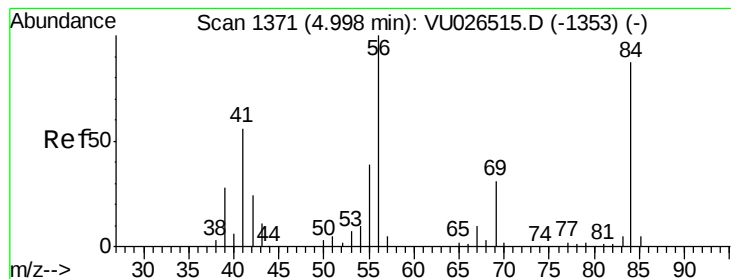
Tgt Ion: 83 Resp: 120096
Ion Ratio Lower Upper
83 100
85 64.0 46.5 86.5



#27
1,2-Dichloroethane
Concen: 47.948 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU026528.D
Acq: 05 Sep 2018 07:47

Tgt Ion: 62 Resp: 90959
Ion Ratio Lower Upper
62 100
98 8.6 6.8 10.2





#29

Cyclohexane

Concen: 52.559 ug/L

RT: 5.00 min Scan# 1371

Delta R.T. 0.00 min

Lab File: VU026528.D

Acq: 05 Sep 2018 07:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

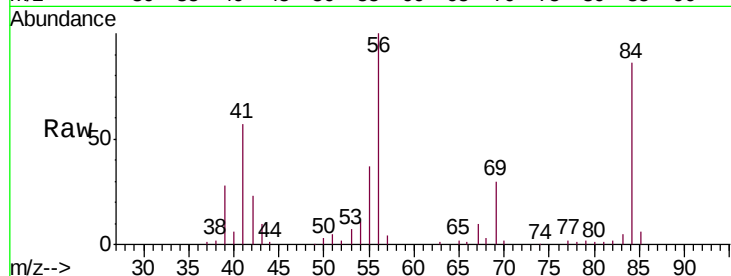
Tgt Ion: 56 Resp: 98706

Ion Ratio Lower Upper

56 100

69 29.7 24.0 36.0

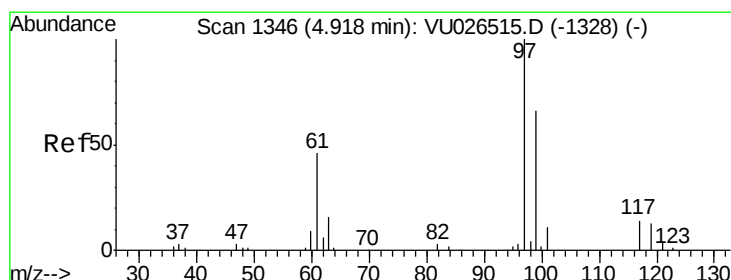
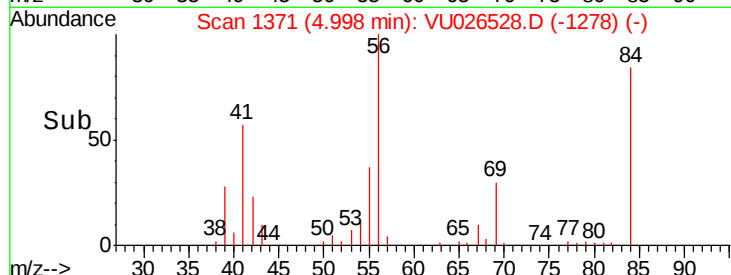
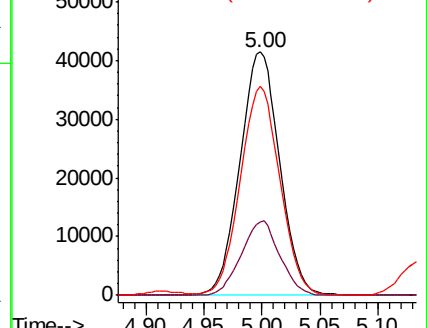
84 85.7 67.2 100.8



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#30

1,1,1-Trichloroethane

Concen: 50.795 ug/L

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU026528.D

Acq: 05 Sep 2018 07:47

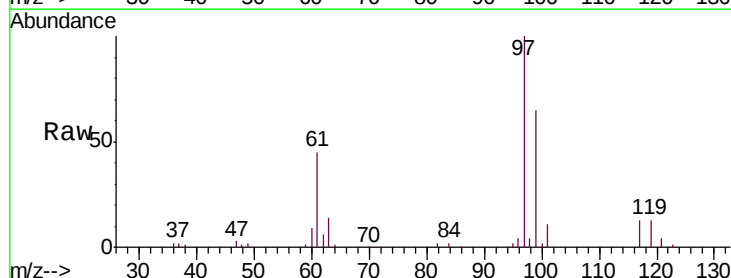
Tgt Ion: 97 Resp: 96346

Ion Ratio Lower Upper

97 100

99 64.2 51.6 77.4

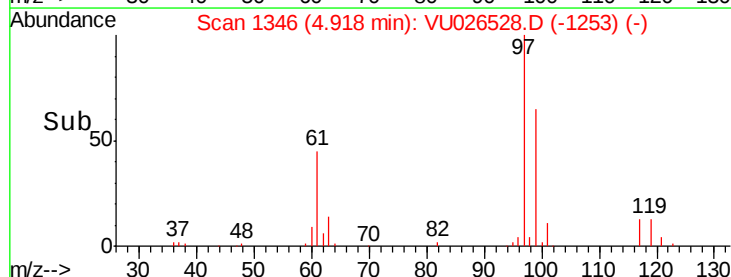
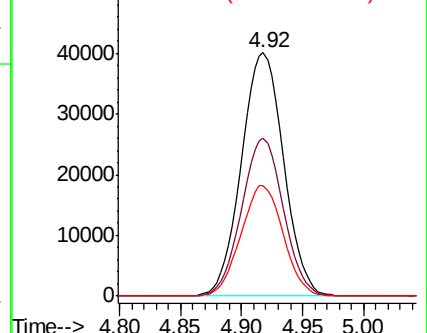
61 45.5 37.9 56.9

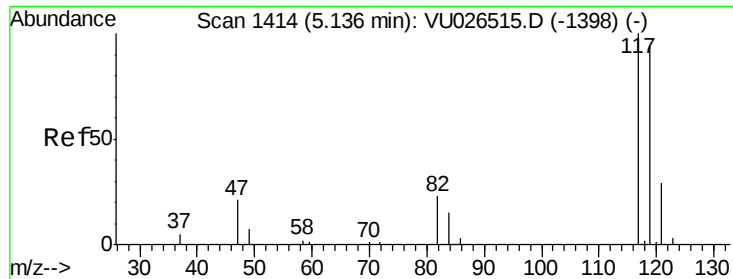


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 51.326 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU026528.D

Acq: 05 Sep 2018 07:47

Instrument :

MSVOA_U

ClientSampleId :

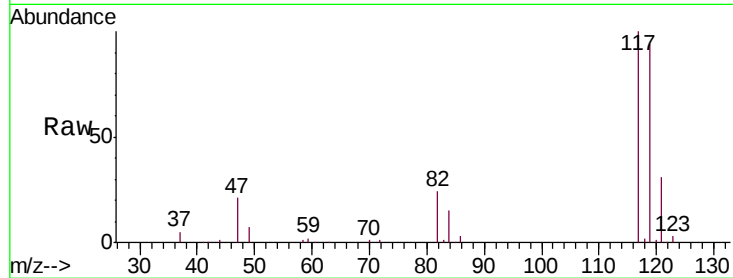
VSTD05057

Tgt Ion:117 Resp: 88456

Ion Ratio Lower Upper

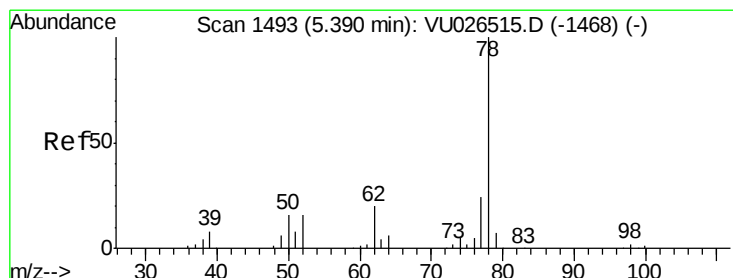
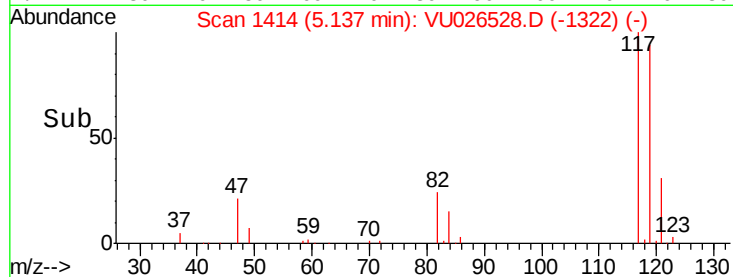
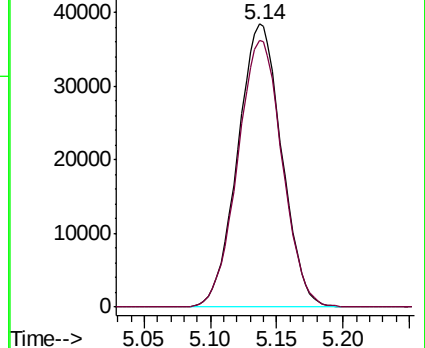
117 100

119 95.6 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: 51.497 ug/L

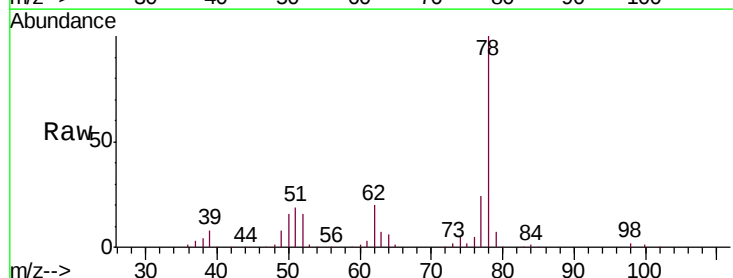
RT: 5.39 min Scan# 1493

Delta R.T. 0.00 min

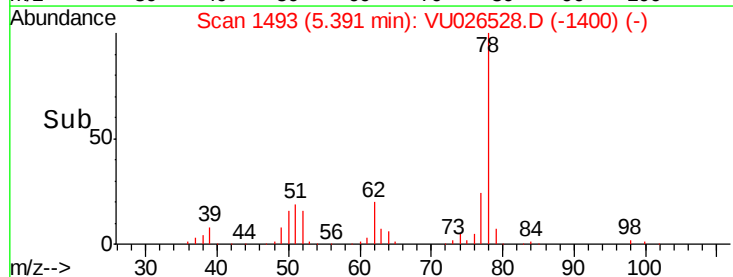
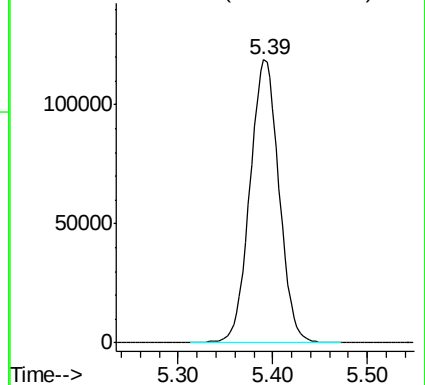
Lab File: VU026528.D

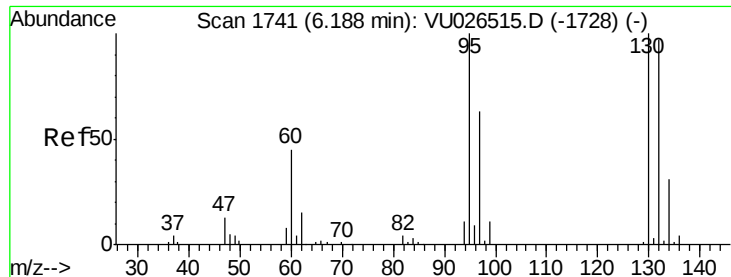
Acq: 05 Sep 2018 07:47

Tgt Ion: 78 Resp: 254469



Abundance Ion 78.00 (77.70 to 78.70): VU0

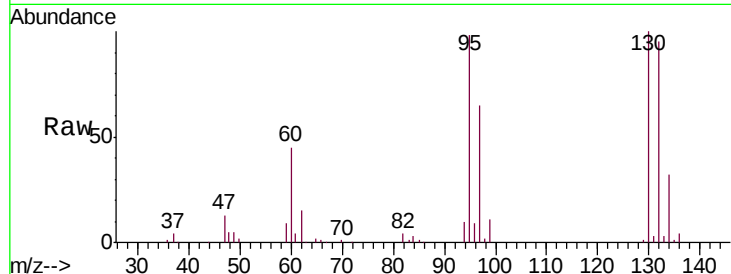




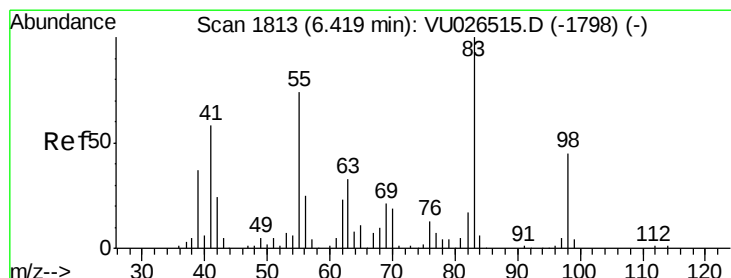
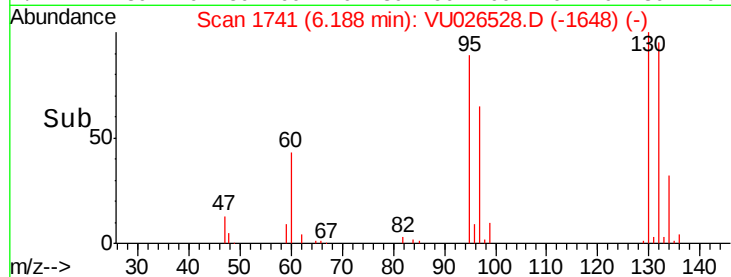
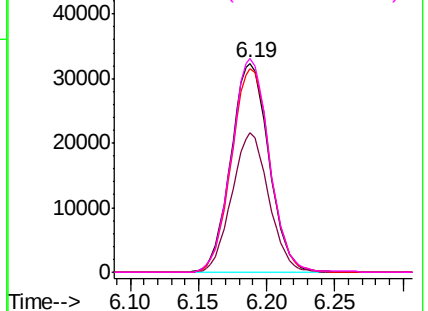
#34
 Trichloroethene
 Concen: 50.600 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU026528.D
 Acq: 05 Sep 2018 07:47

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD05057

Tgt Ion: 95 Resp: 62717
 Ion Ratio Lower Upper
 95 100
 97 66.6 45.1 83.7
 132 97.4 67.5 125.3
 130 102.3 69.3 128.7

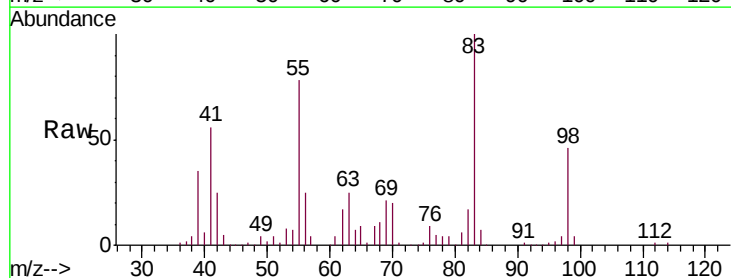


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

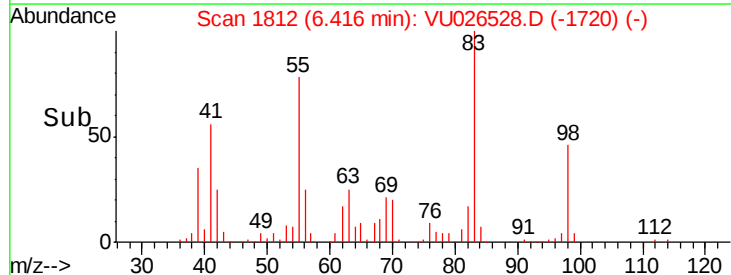
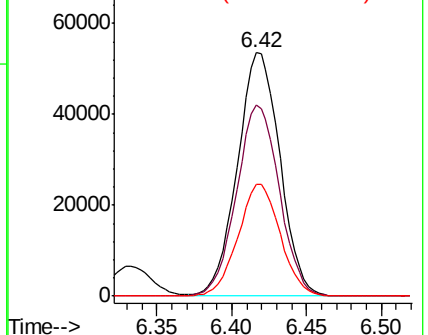


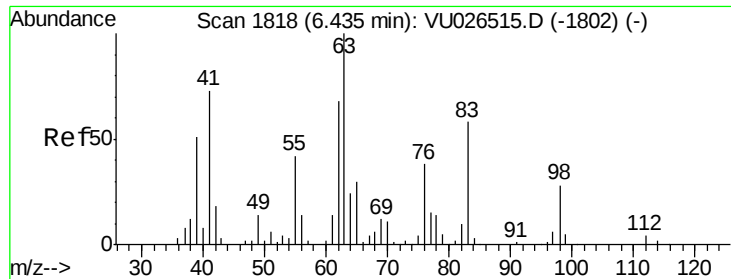
#35
 Methylcyclohexane
 Concen: 54.826 ug/L
 RT: 6.42 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VU026528.D
 Acq: 05 Sep 2018 07:47

Tgt Ion: 83 Resp: 106110
 Ion Ratio Lower Upper
 83 100
 55 79.0 63.3 94.9
 98 45.6 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

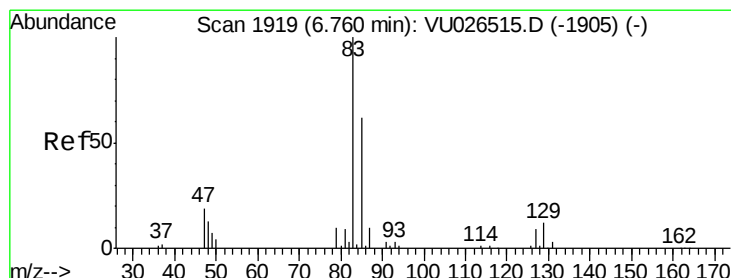
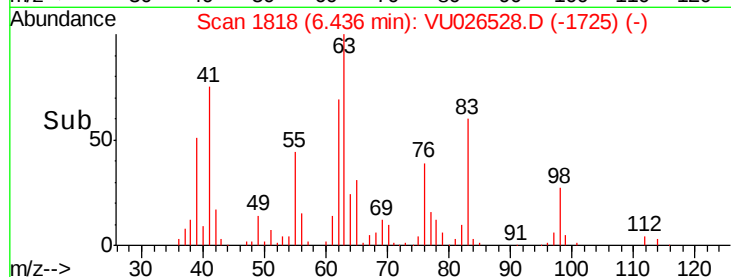
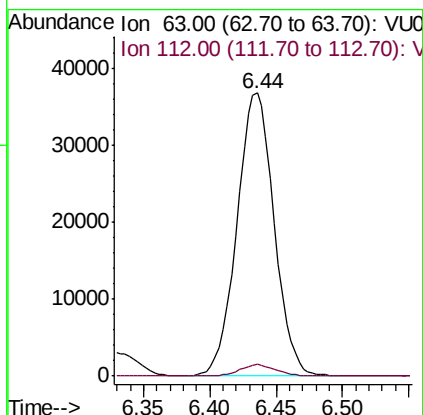
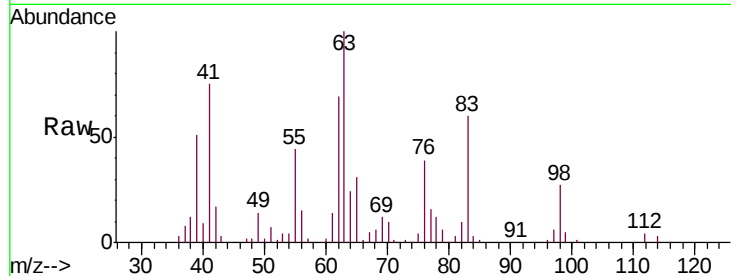




#37
 1,2-Dichloropropane
 Concen: 52.377 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU026528.D
 Acq: 05 Sep 2018 07:47

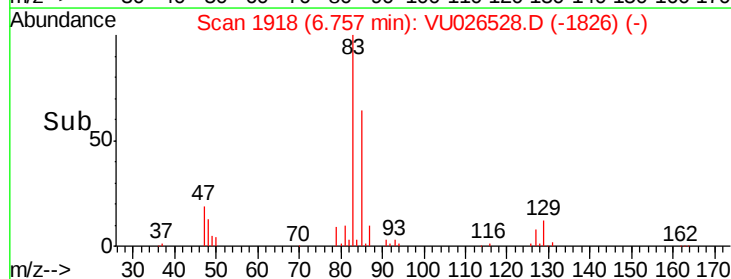
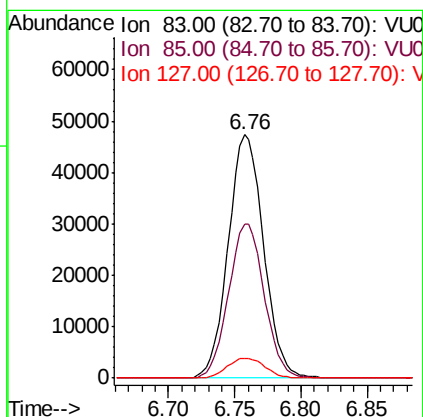
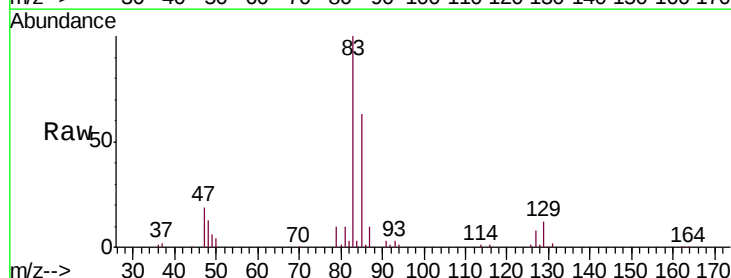
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

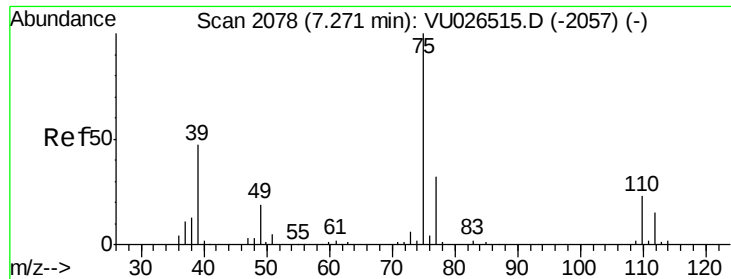
Tgt Ion: 63 Resp: 71650
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.6



#38
 Bromodichloromethane
 Concen: 50.268 ug/L
 RT: 6.76 min Scan# 1918
 Delta R.T. -0.00 min
 Lab File: VU026528.D
 Acq: 05 Sep 2018 07:47

Tgt Ion: 83 Resp: 87691
 Ion Ratio Lower Upper
 83 100
 85 63.4 43.9 81.5
 127 8.2 7.0 10.6

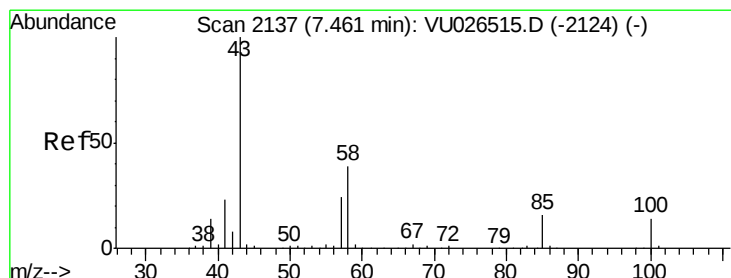
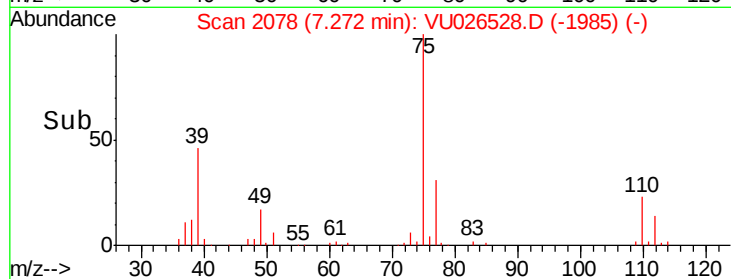
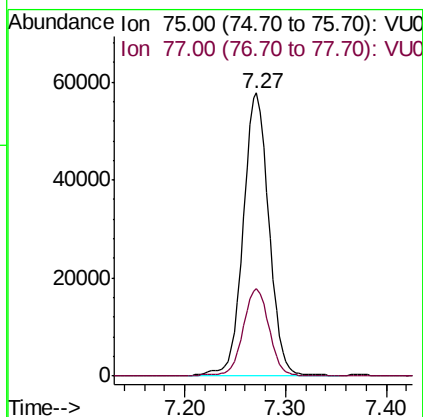
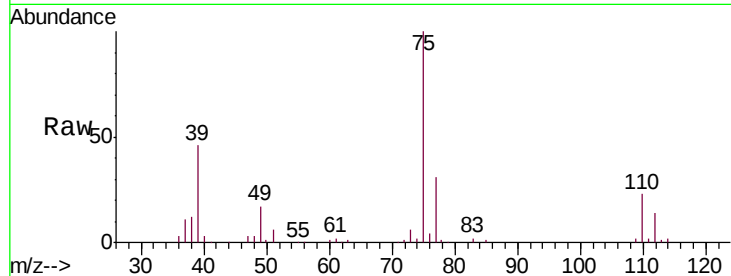




#39
 cis-1,3-Dichloropropene
 Concen: 52.314 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026528.D
 Acq: 05 Sep 2018 07:47

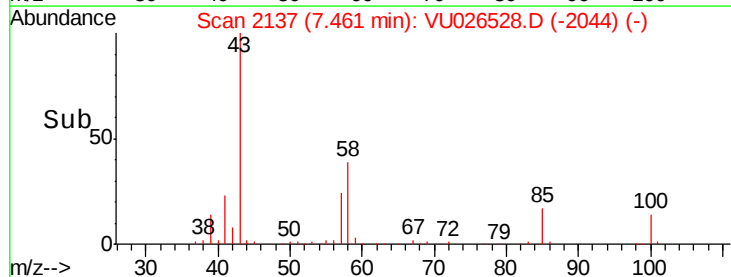
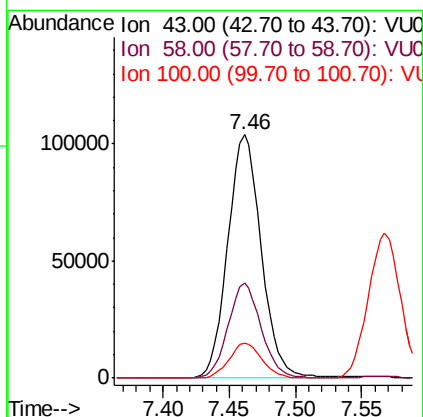
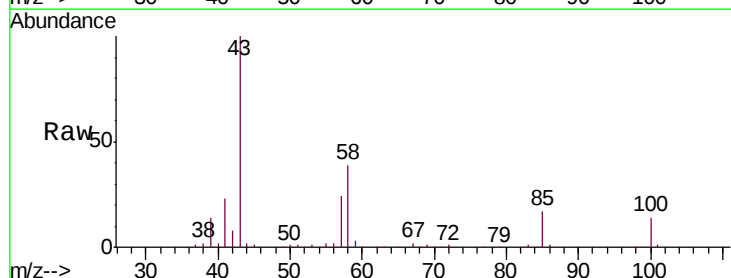
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

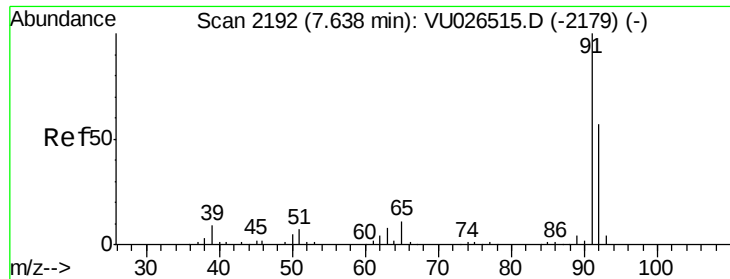
Tgt Ion: 75 Resp: 101972
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 98.776 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU026528.D
 Acq: 05 Sep 2018 07:47

Tgt Ion: 43 Resp: 182230
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.4 45.6
 100 14.2 11.0 16.4





#42

Toluene

Concen: 51.562 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026528.D

Acq: 05 Sep 2018 07:47

Instrument :

MSVOA_U

ClientSampleId :

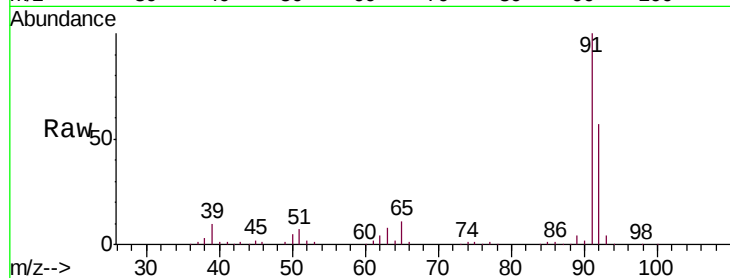
VSTD05057

Tgt Ion: 91 Resp: 265862

Ion Ratio Lower Upper

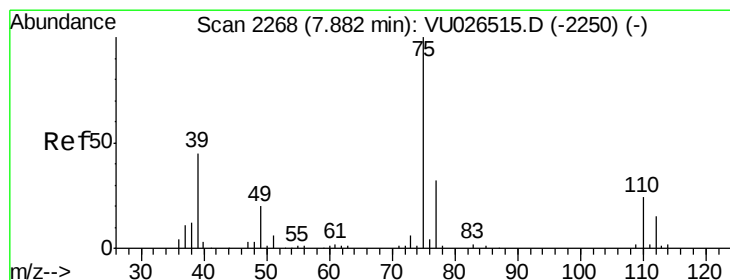
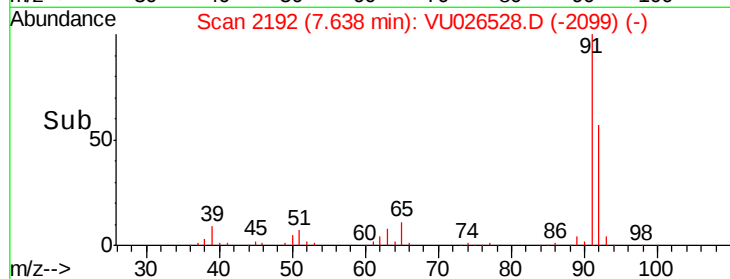
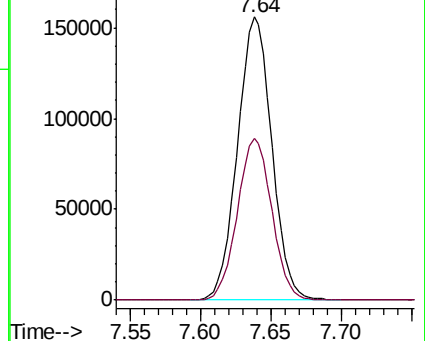
91 100

92 57.2 38.7 71.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 51.785 ug/L

RT: 7.88 min Scan# 2267

Delta R.T. -0.00 min

Lab File: VU026528.D

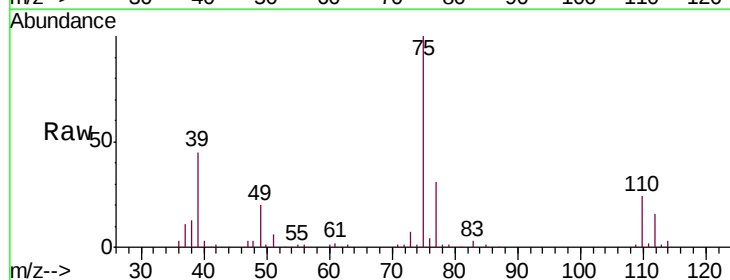
Acq: 05 Sep 2018 07:47

Tgt Ion: 75 Resp: 96209

Ion Ratio Lower Upper

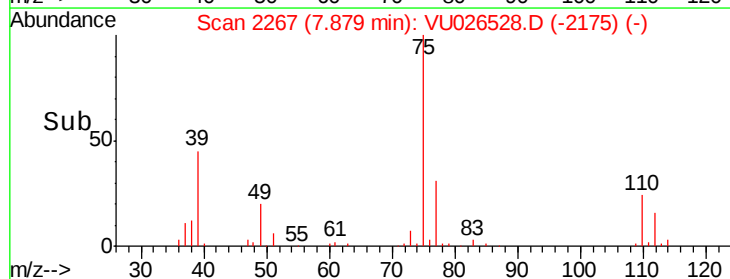
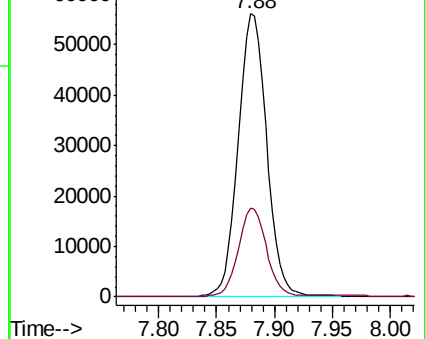
75 100

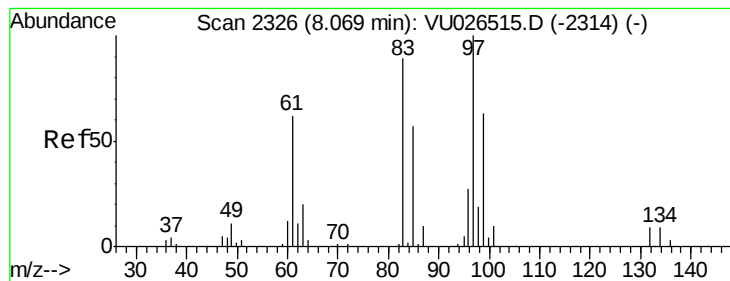
77 31.3 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#45

1,1,2-Trichloroethane

Concen: 50.210 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU026528.D

Acq: 05 Sep 2018 07:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

Tgt Ion: 97 Resp: 62923

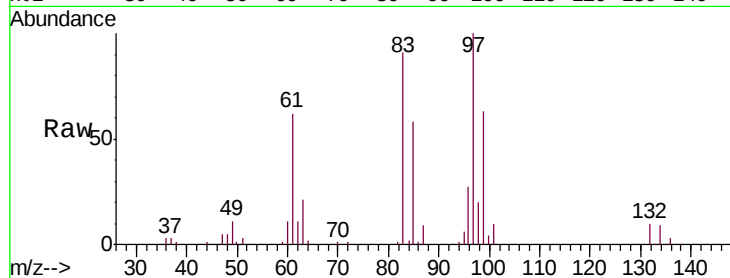
Ion Ratio Lower Upper

97 100

99 63.1 43.9 81.5

83 91.1 62.7 116.5

85 57.7 39.4 73.2

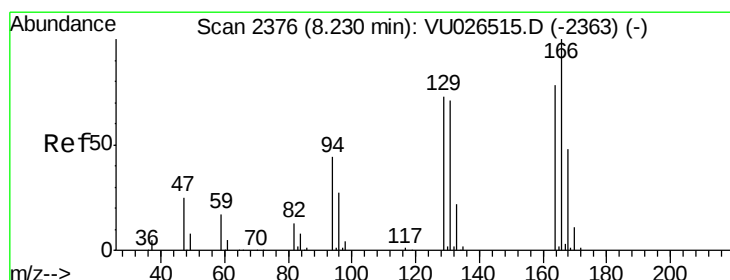
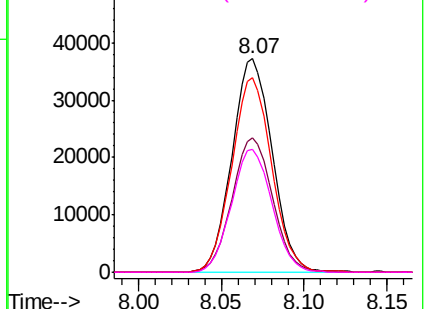
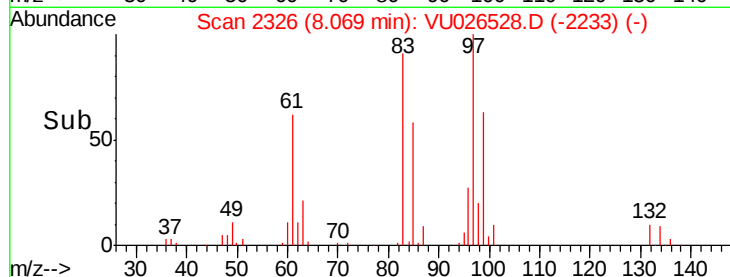


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 52.617 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU026528.D

Acq: 05 Sep 2018 07:47

Tgt Ion: 164 Resp: 53320

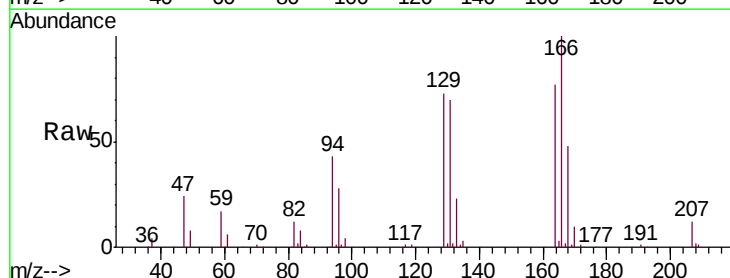
Ion Ratio Lower Upper

164 100

129 94.2 67.3 125.1

131 90.2 65.3 121.3

166 129.5 90.9 168.7

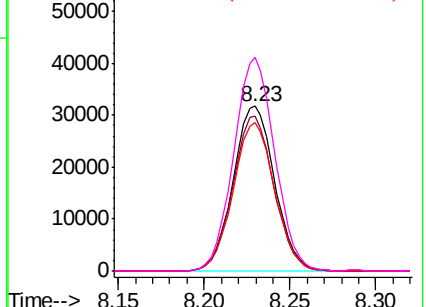
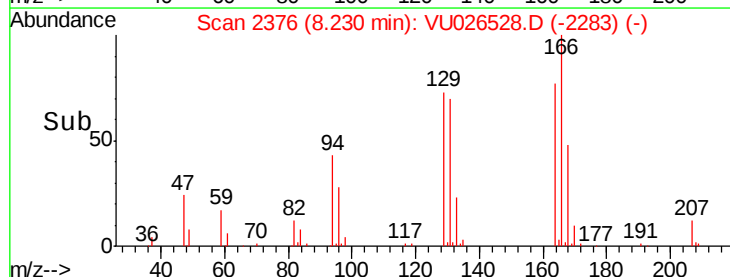


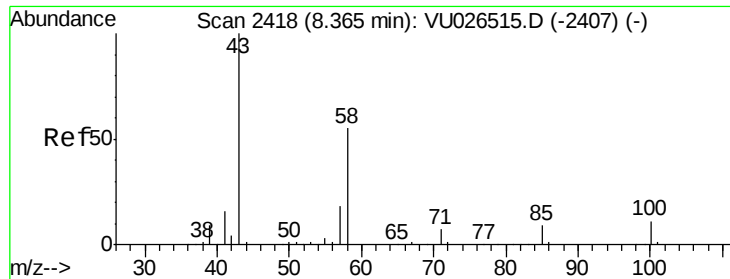
Abundance Ion 164.00 (163.70 to 164.70): V

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

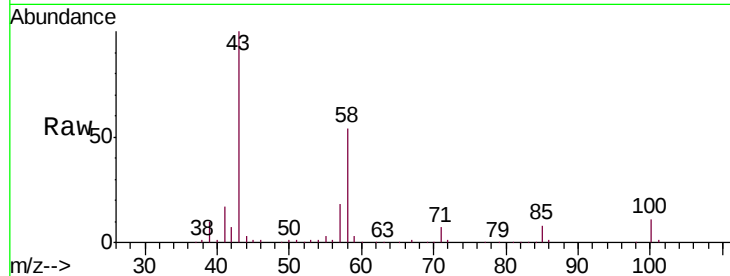




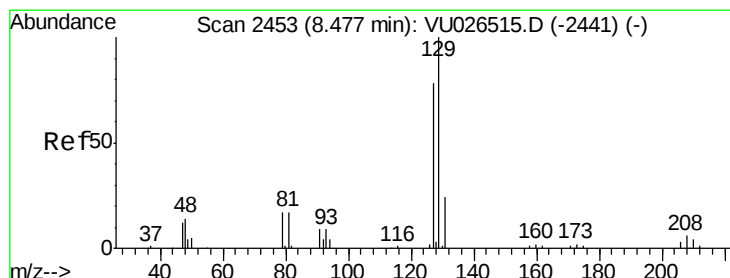
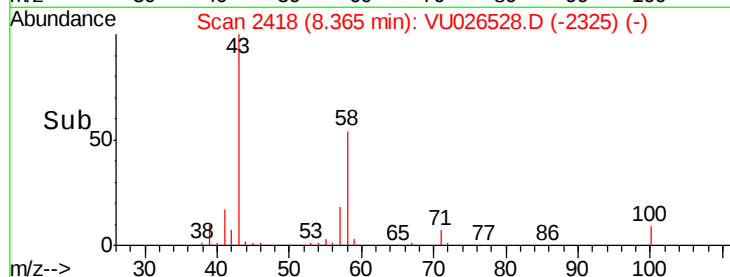
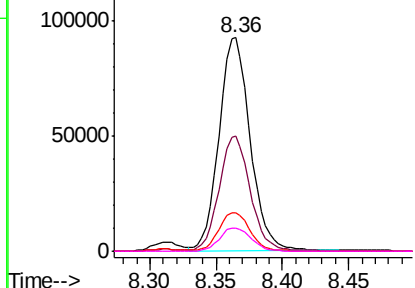
#48
2-Hexanone
Concen: 103.842 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU026528.D
Acq: 05 Sep 2018 07:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

Tgt Ion: 43 Resp: 150882
Ion Ratio Lower Upper
43 100
58 54.5 42.2 63.4
57 18.0 14.6 21.8
100 11.2 8.3 12.5

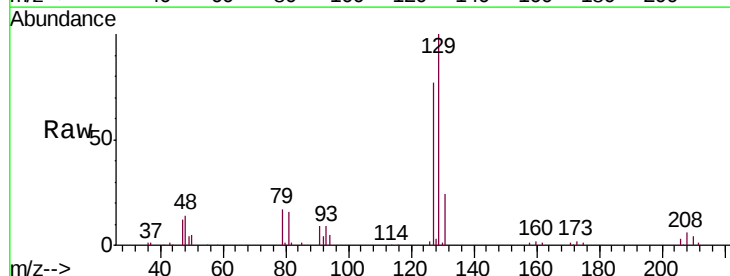


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

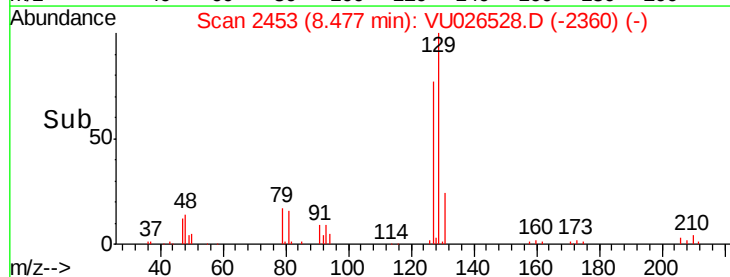
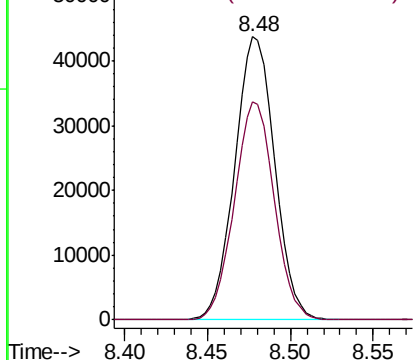


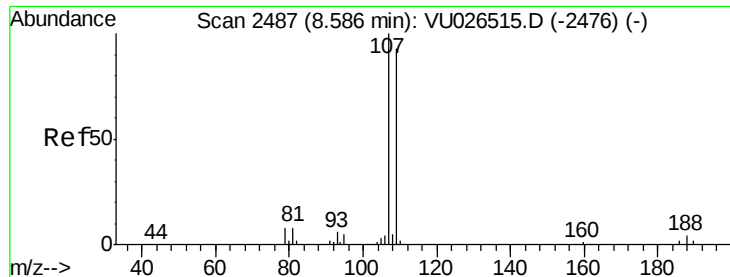
#49
Dibromochloromethane
Concen: 52.055 ug/L
RT: 8.48 min Scan# 2453
Delta R.T. 0.00 min
Lab File: VU026528.D
Acq: 05 Sep 2018 07:47

Tgt Ion: 129 Resp: 73505
Ion Ratio Lower Upper
129 100
127 77.1 55.0 102.2



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

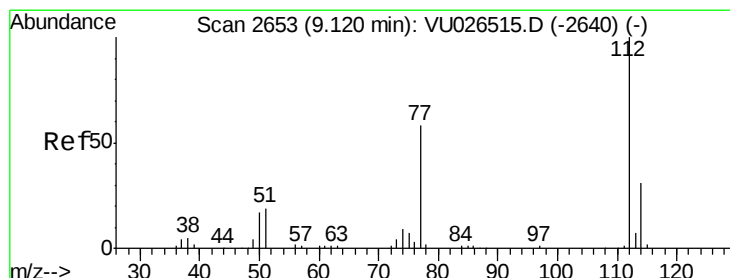
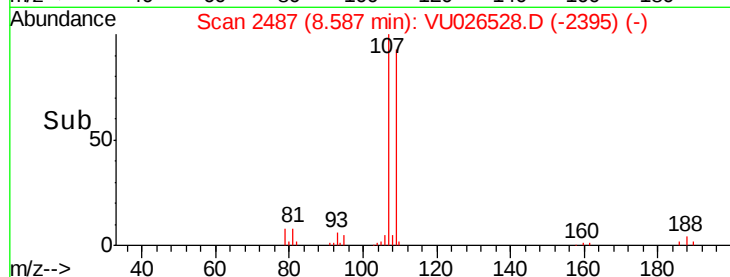
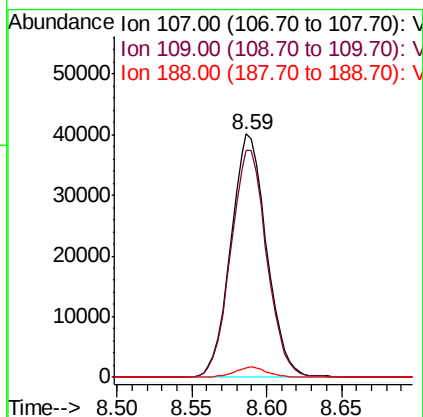
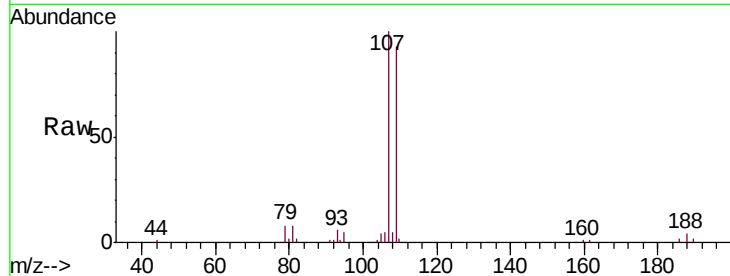




#50
1,2-Dibromoethane
Concen: 50.029 ug/L
RT: 8.59 min Scan# 2487
Delta R.T. -0.00 min
Lab File: VU026528.D
Acq: 05 Sep 2018 07:47

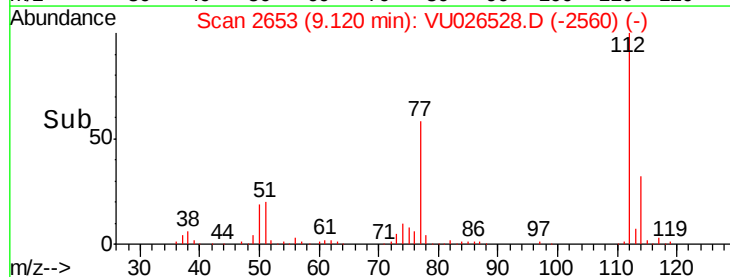
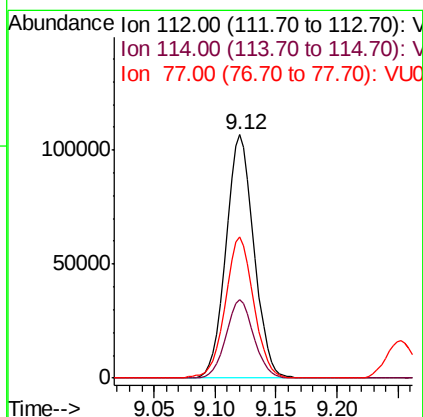
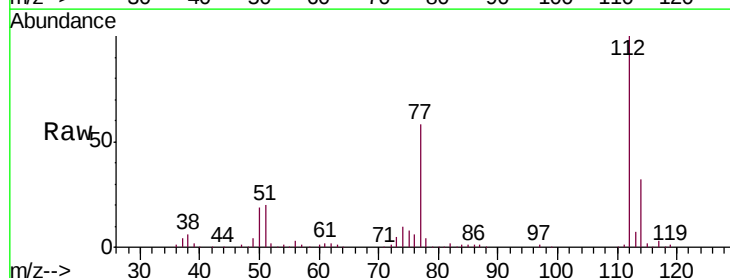
Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

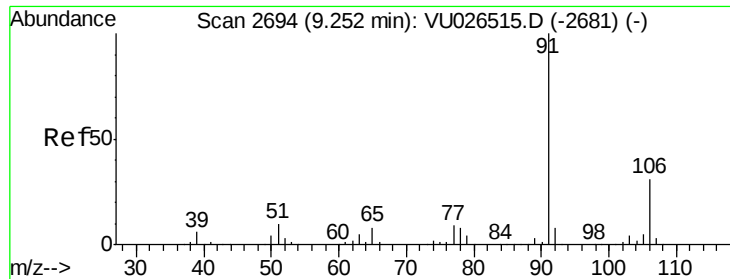
Tgt Ion:107 Resp: 66763
Ion Ratio Lower Upper
107 100
109 93.4 63.4 117.8
188 3.9 3.2 4.8



#51
Chlorobenzene
Concen: 49.675 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU026528.D
Acq: 05 Sep 2018 07:47

Tgt Ion:112 Resp: 171279
Ion Ratio Lower Upper
112 100
114 32.2 23.2 43.2
77 57.8 47.3 70.9





#52

Ethylbenzene

Concen: 51.313 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026528.D

Acq: 05 Sep 2018 07:47

Instrument :

MSVOA_U

ClientSampleId :

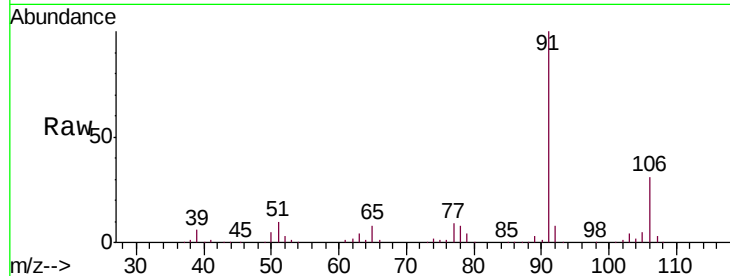
VSTD05057

Tgt Ion: 91 Resp: 287758

Ion Ratio Lower Upper

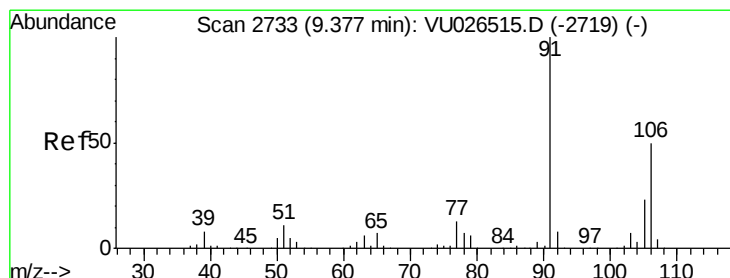
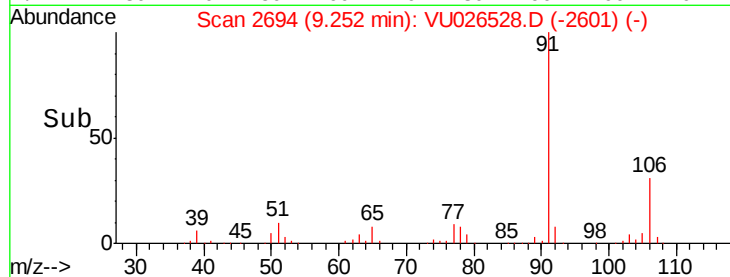
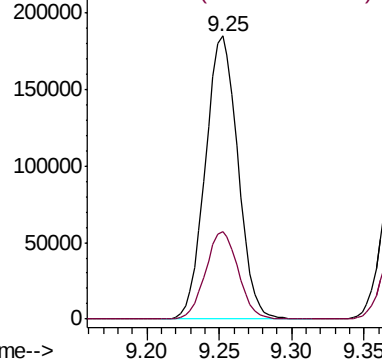
91 100

106 30.9 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 52.200 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026528.D

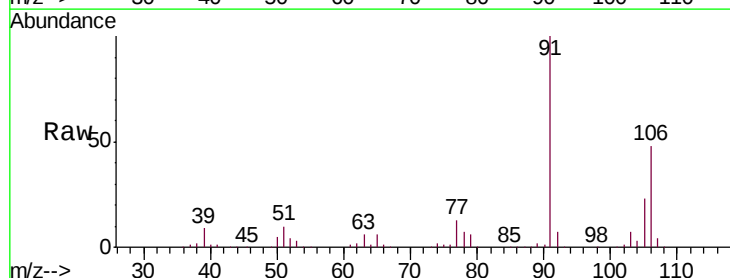
Acq: 05 Sep 2018 07:47

Tgt Ion: 106 Resp: 109302

Ion Ratio Lower Upper

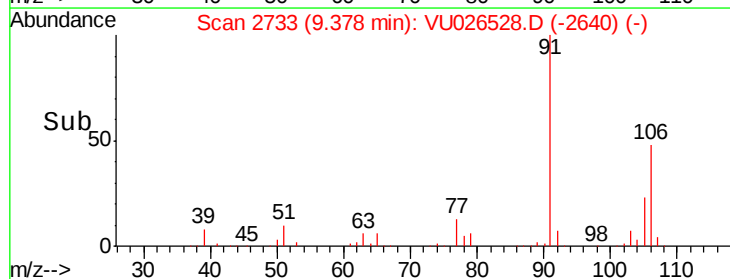
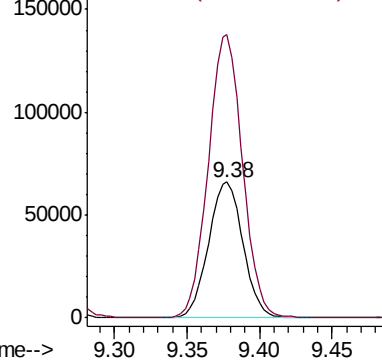
106 100

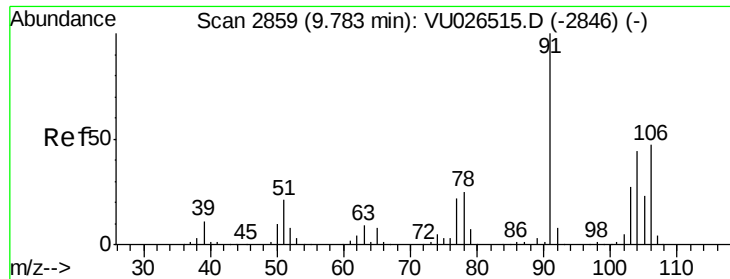
91 208.0 143.0 265.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

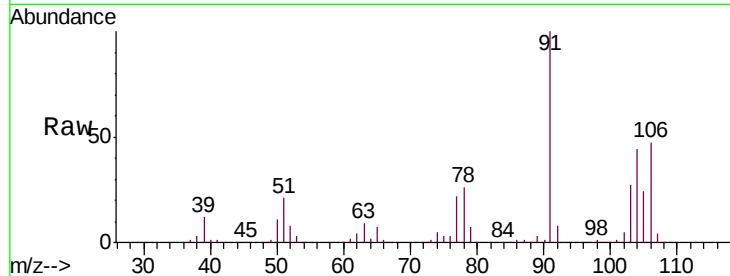




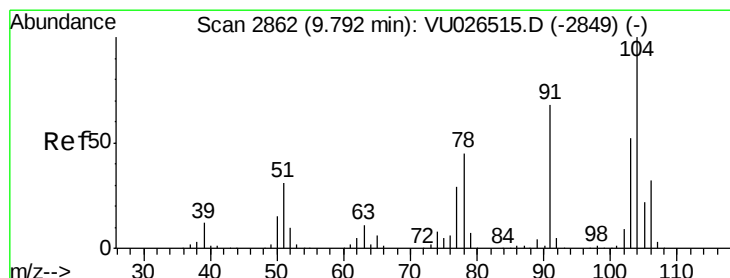
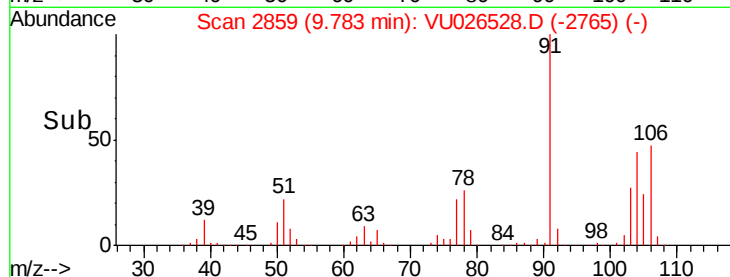
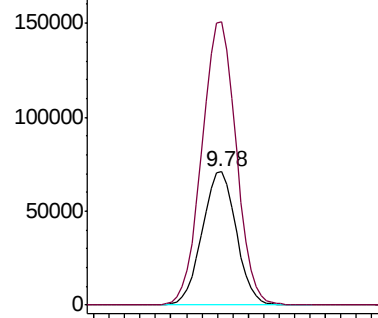
#54
o-xylene
Concen: 53.090 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU026528.D
Acq: 05 Sep 2018 07:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

Tgt Ion:106 Resp: 108409
Ion Ratio Lower Upper
106 100
91 212.7 153.3 284.7

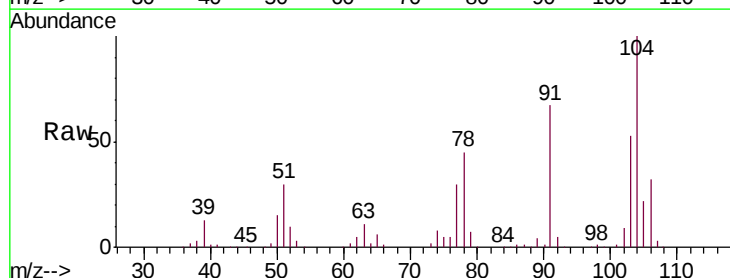


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

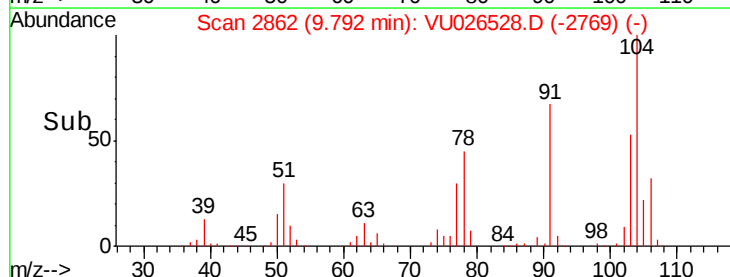
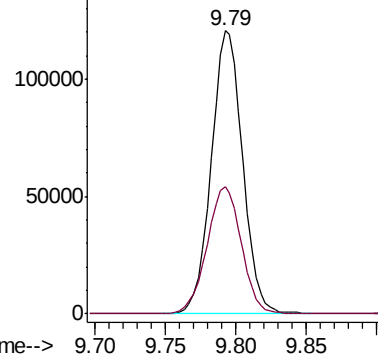


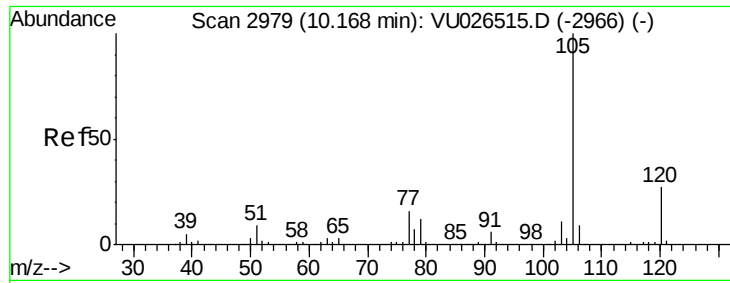
#55
Styrene
Concen: 52.730 ug/L
RT: 9.79 min Scan# 2862
Delta R.T. 0.00 min
Lab File: VU026528.D
Acq: 05 Sep 2018 07:47

Tgt Ion:104 Resp: 188095
Ion Ratio Lower Upper
104 100
78 45.0 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: 52.575 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026528.D

Acq: 05 Sep 2018 07:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

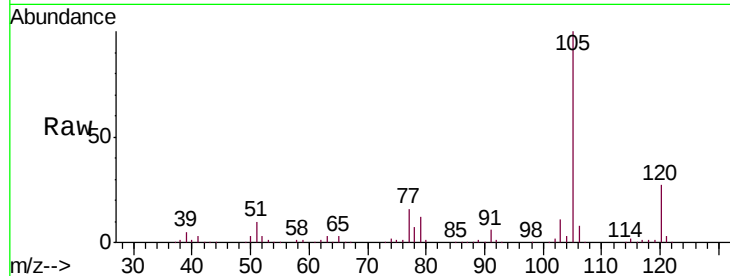
Tgt Ion: 105 Resp: 281023

Ion Ratio Lower Upper

105 100

120 27.0 21.5 32.3

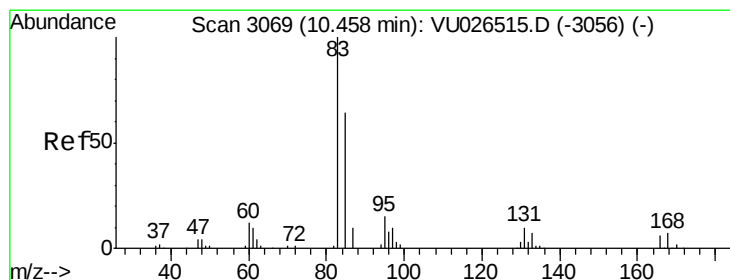
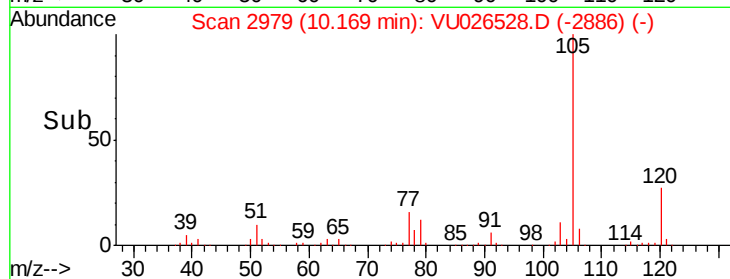
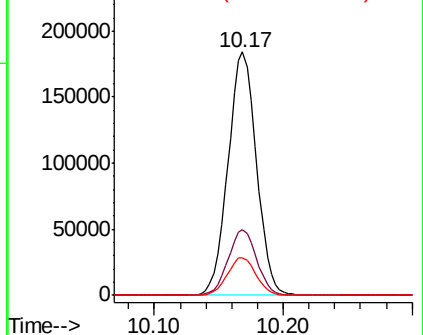
77 15.8 12.9 19.3



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: 49.282 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU026528.D

Acq: 05 Sep 2018 07:47

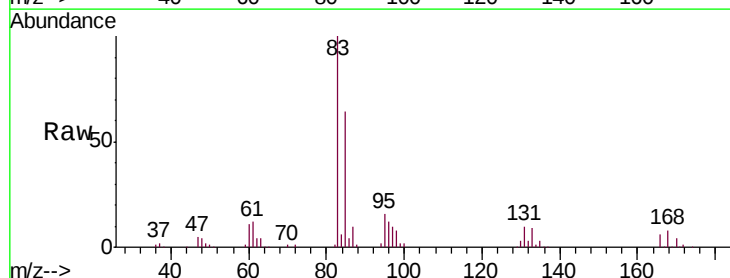
Tgt Ion: 83 Resp: 108789

Ion Ratio Lower Upper

83 100

85 64.0 44.3 82.3

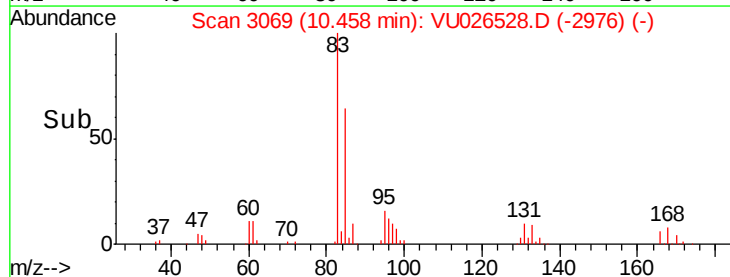
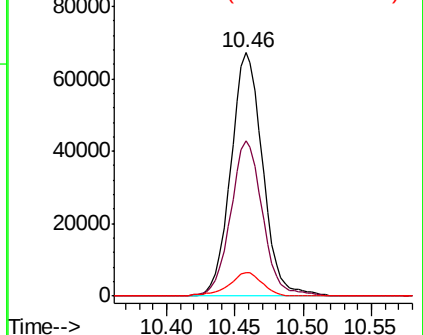
131 9.8 7.8 11.8

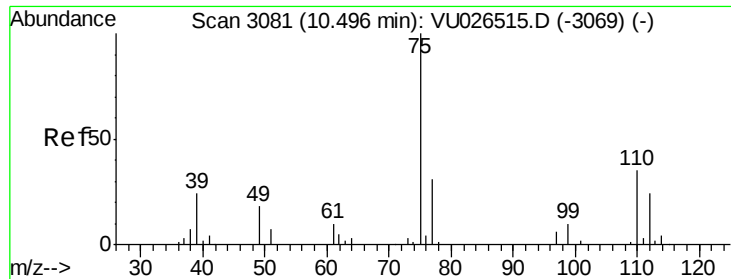


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

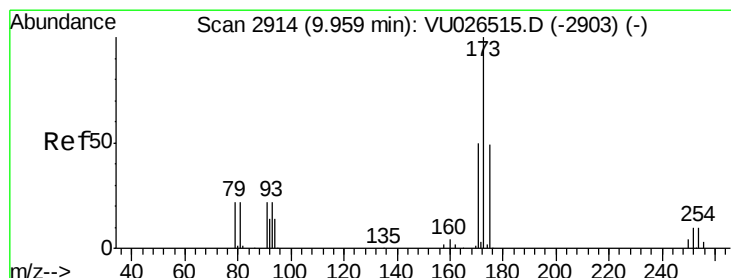
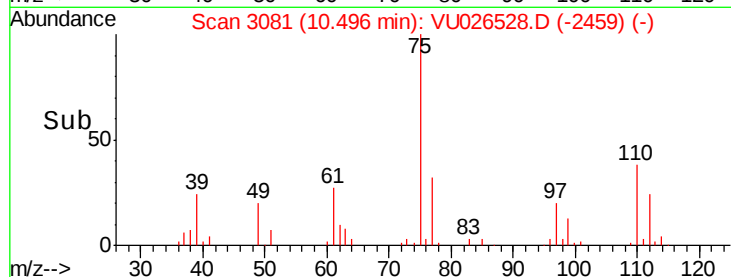
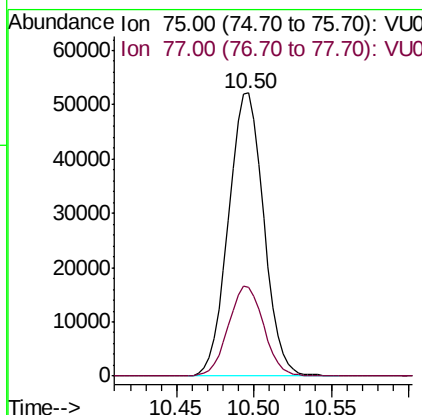
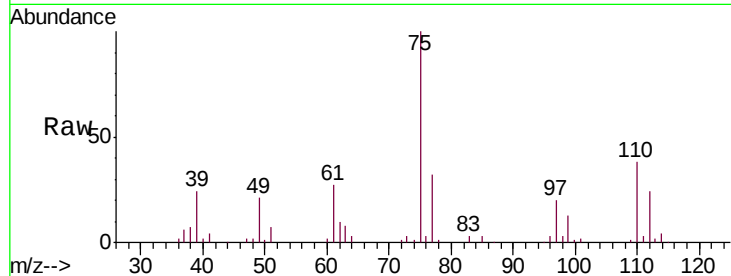




#59
 1,2,3-Trichloropropane
 Concen: 48.344 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026528.D
 Acq: 05 Sep 2018 07:47

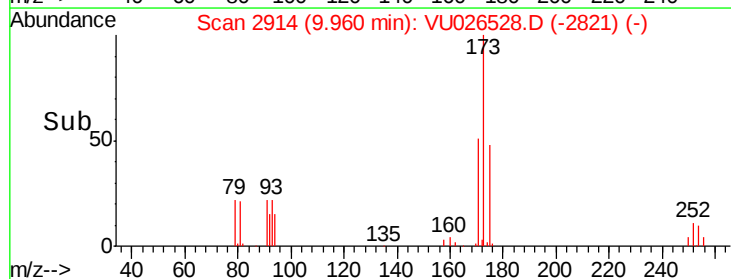
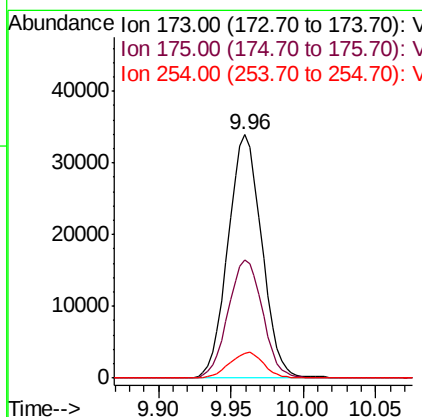
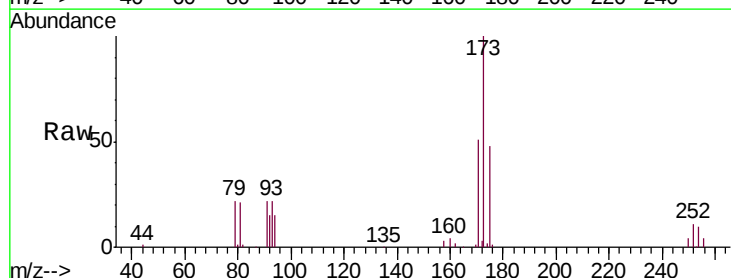
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

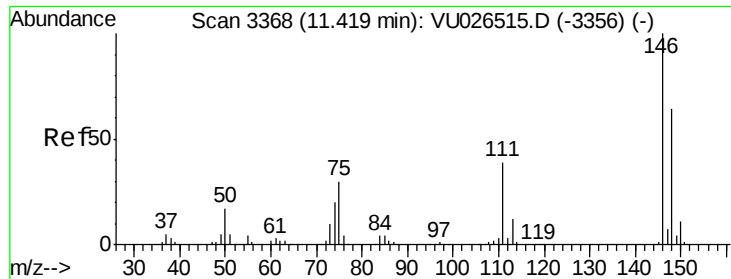
Tgt Ion: 75 Resp: 82520
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.0 37.6



#61
 Bromoform
 Concen: 51.465 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. 0.00 min
 Lab File: VU026528.D
 Acq: 05 Sep 2018 07:47

Tgt Ion: 173 Resp: 55026
 Ion Ratio Lower Upper
 173 100
 175 49.4 38.5 57.7
 254 10.6 8.1 12.1

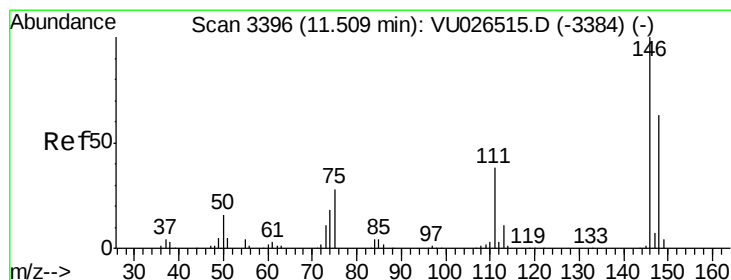
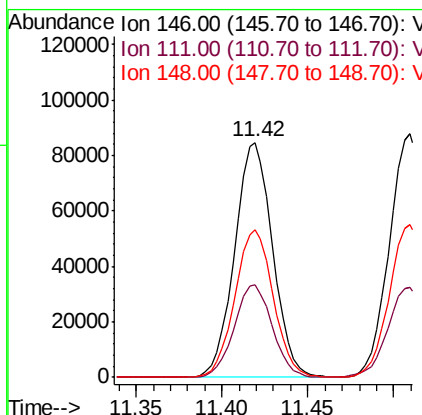
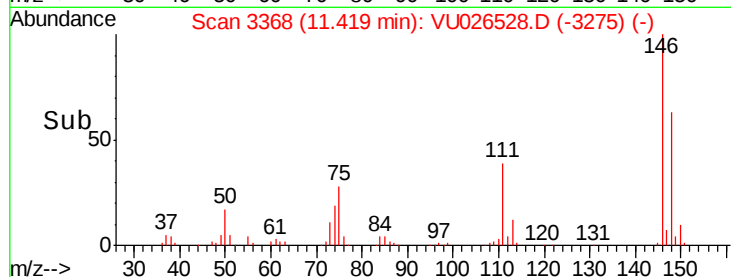
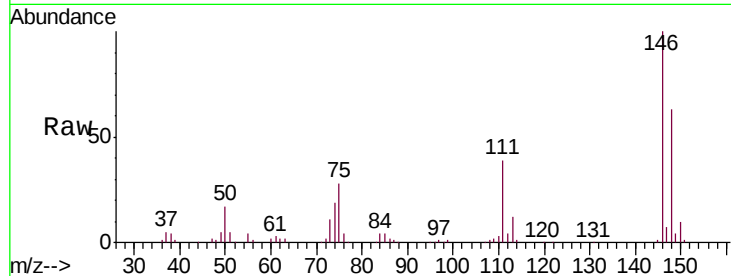




#62
 1,3-Dichlorobenzene
 Concen: 51.359 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU026528.D
 Acq: 05 Sep 2018 07:47

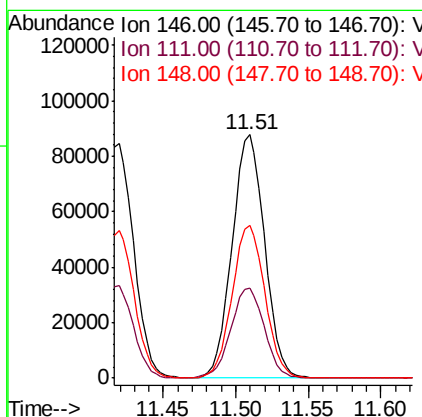
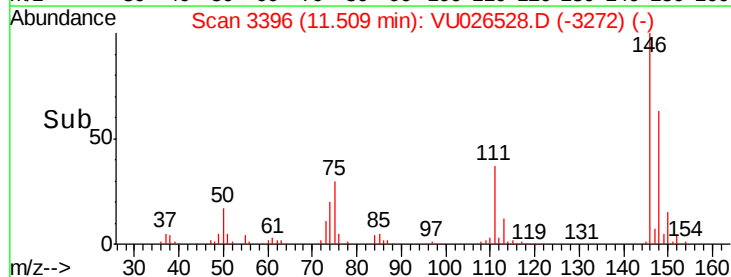
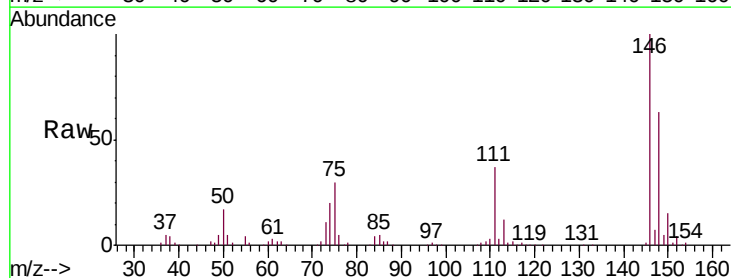
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

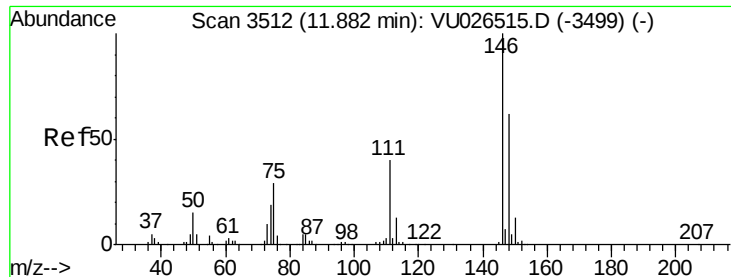
Tgt Ion:146 Resp: 130194
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.5 51.1
 148 62.9 44.9 83.3



#63
 1,4-Dichlorobenzene
 Concen: 50.829 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU026528.D
 Acq: 05 Sep 2018 07:47

Tgt Ion:146 Resp: 136283
 Ion Ratio Lower Upper
 146 100
 111 36.8 26.2 48.6
 148 62.8 44.9 83.5





#65

1,2-Dichlorobenzene

Concen: 52.594 ug/L

RT: 11.88 min Scan# 3511

Delta R.T. 0.00 min

Lab File: VU026528.D

Acq: 05 Sep 2018 07:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

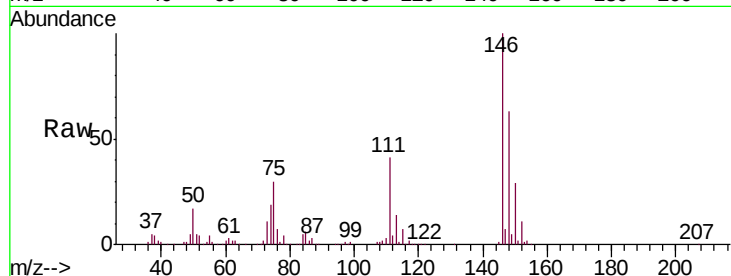
Tgt Ion:146 Resp: 140624

Ion Ratio Lower Upper

146 100

111 40.9 32.0 48.0

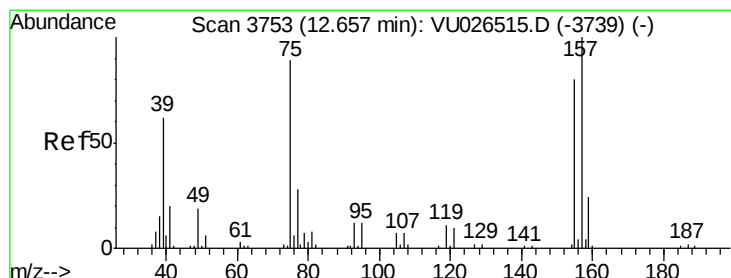
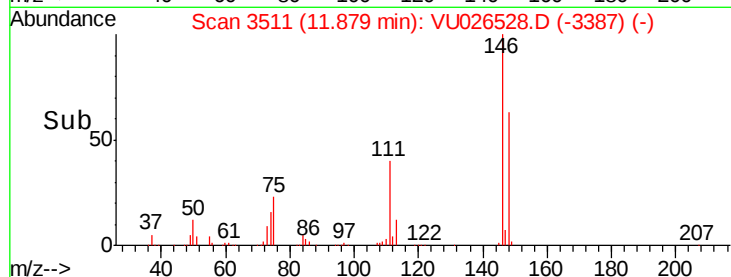
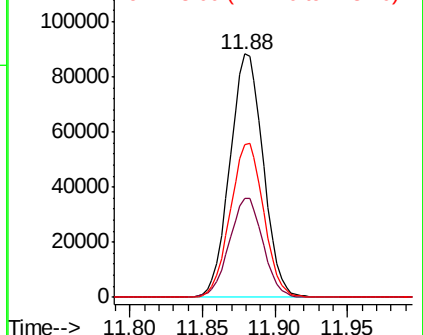
148 62.9 50.2 75.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 48.933 ug/L

RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VU026528.D

Acq: 05 Sep 2018 07:47

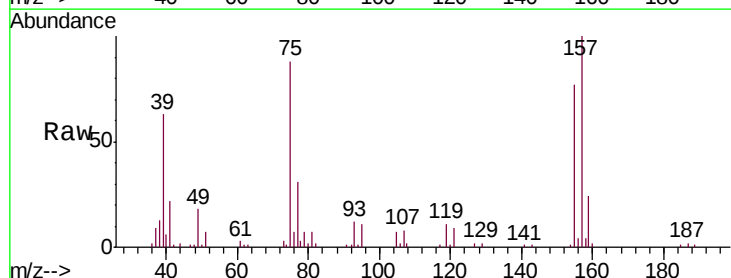
Tgt Ion: 75 Resp: 22000

Ion Ratio Lower Upper

75 100

155 87.0 69.8 104.8

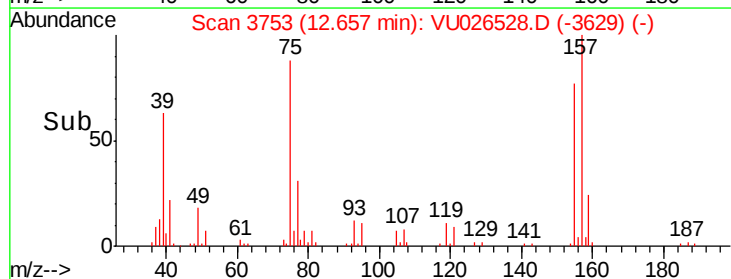
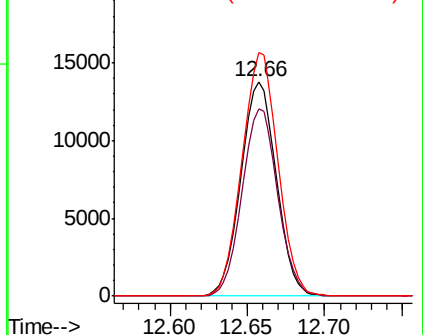
157 113.5 89.8 134.8

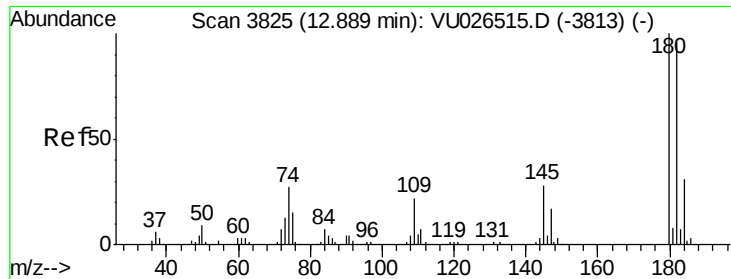


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

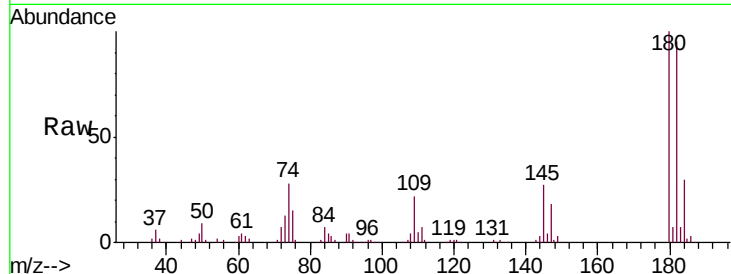




#67
 1,3,5-Trichlorobenzene
 Concen: 52.986 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU026528.D
 Acq: 05 Sep 2018 07:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.5	114.7
184	30.3	25.0	37.4
145	27.2	22.3	33.5



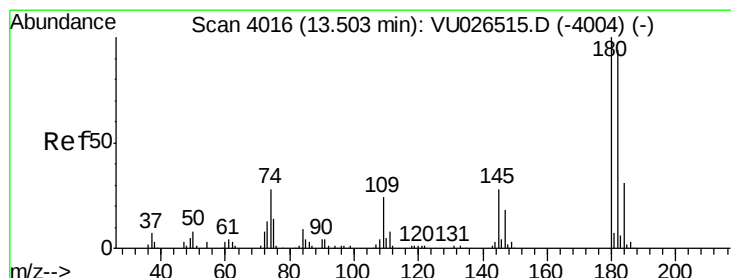
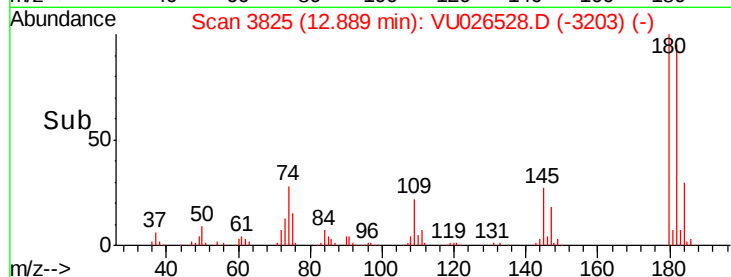
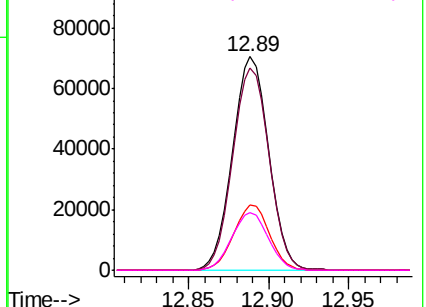
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

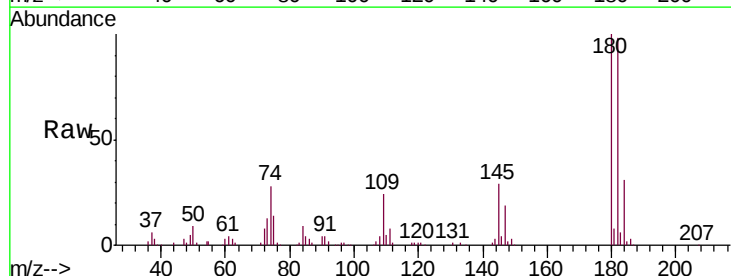
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 50.711 ug/L
 RT: 13.50 min Scan# 4016
 Delta R.T. -0.00 min
 Lab File: VU026528.D
 Acq: 05 Sep 2018 07:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	76.6	114.8
145	28.6	22.4	33.6

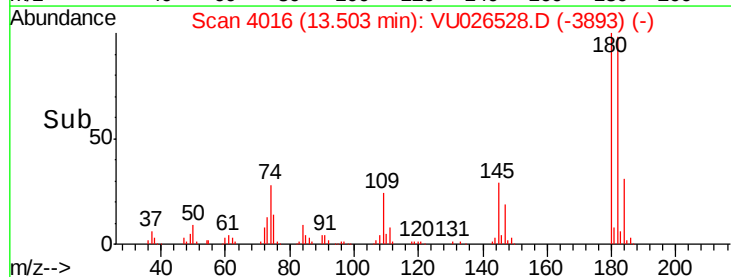
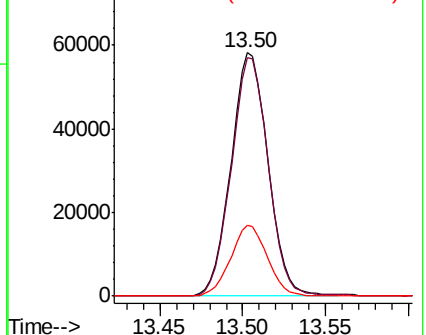


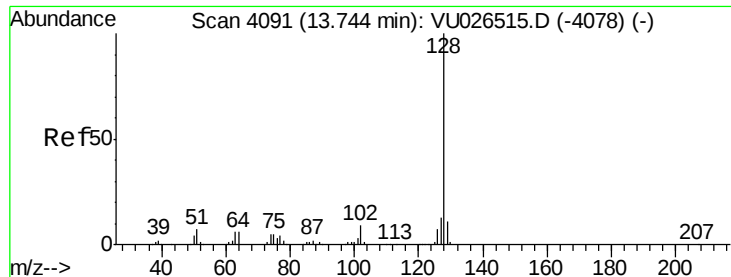
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 51.291 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU026528.D

Acq: 05 Sep 2018 07:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

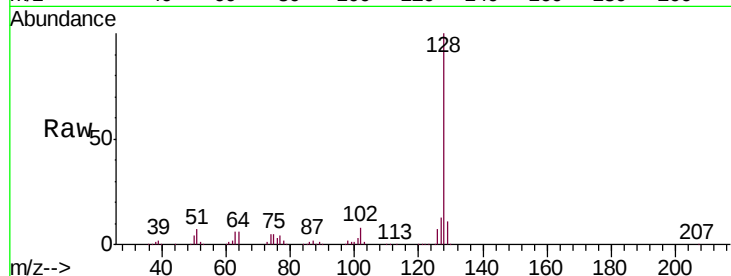
Tgt Ion:128 Resp: 286148

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

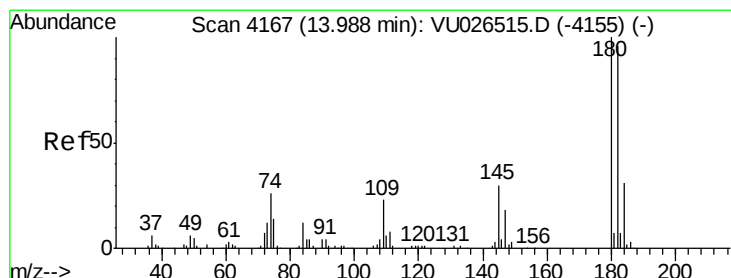
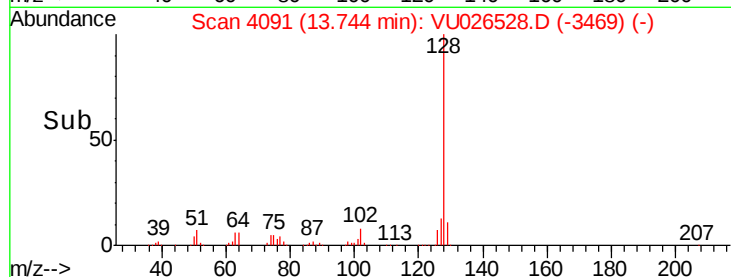
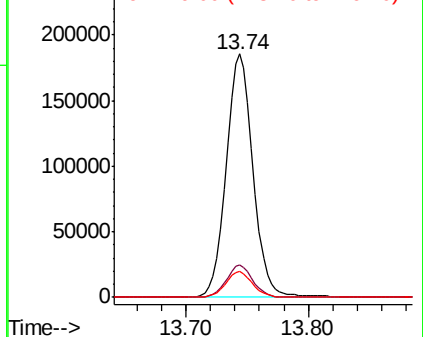
129 10.7 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 51.684 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU026528.D

Acq: 05 Sep 2018 07:47

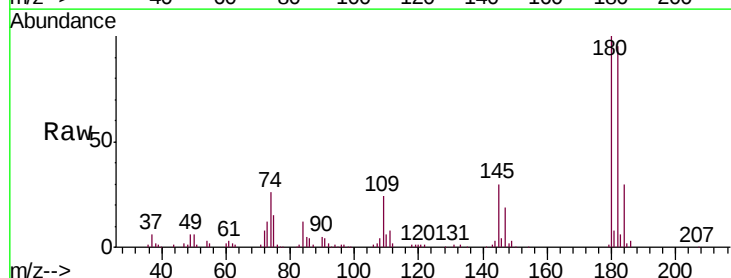
Tgt Ion:180 Resp: 101403

Ion Ratio Lower Upper

180 100

182 95.3 76.5 114.7

145 30.0 23.9 35.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

