

Data File : VU026964.D
Acq On : 21 Sep 2018 03:36
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

Quant Time: Sep 21 06:02:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 21 04:24:07 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	256932	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	246749	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	127955	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	87793	46.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.38%
7) Chloroethane-d5	1.67	69	74422	45.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.50%
11) 1,1-Dichloroethene-d2	2.27	63	168556	46.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.74%
21) 2-Butanone-d5	4.18	46	131287	104.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.09%
24) Chloroform-d	4.65	84	165202	46.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.72%
26) 1,2-Dichloroethane-d4	5.31	65	101697	45.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.62%
32) Benzene-d6	5.34	84	326712	47.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.50%
36) 1,2-Dichloropropane-d6	6.33	67	104841	47.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.10%
41) Toluene-d8	7.57	98	298969	47.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.70%
43) trans-1,3-Dichloropropene-	7.85	79	44865	45.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.20%
47) 2-Hexanone-d5	8.31	63	98586	112.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.58%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	153520	49.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.84%
64) 1,2-Dichlorobenzene-d4	11.86	152	128878	48.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.84%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	122744	50.549	ug/L 100
3) Chloromethane	1.32	50	138754	56.020	ug/L 99
5) Vinyl chloride	1.40	62	126580	52.513	ug/L 99
6) Bromomethane	1.61	94	65910	55.361	ug/L 100
8) Chloroethane	1.68	64	76894	50.905	ug/L 98
9) Trichlorofluoromethane	1.88	101	159324	53.198	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	94267	53.135	ug/L 98
12) 1,1-Dichloroethene	2.28	96	88044	52.842	ug/L 88
13) Acetone	2.32	43	97102	78.327	ug/L 97
14) Carbon disulfide	2.47	76	258793	45.009	ug/L 99
15) Methyl Acetate	2.61	43	105265	49.008	ug/L 100
16) Methylene chloride	2.70	84	102956	48.609	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	88699	48.336	ug/L 96
18) Methyl tert-butyl Ether	3.00	73	279071	52.005	ug/L 99
19) 1,1-Dichloroethane	3.44	63	172818	48.827	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	100777	49.933	ug/L 98
22) 2-Butanone	4.26	43	144233	94.344	ug/L 98

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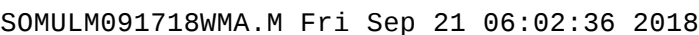
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

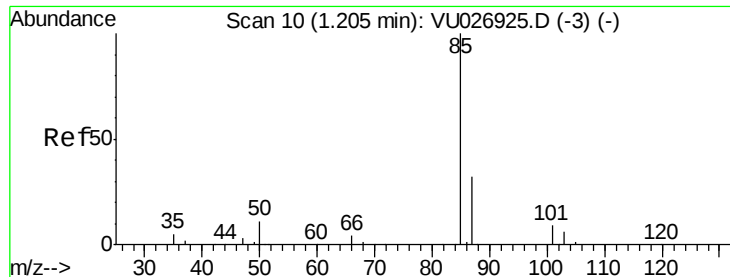
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	55202	50.657	ug/L	95
25) Chloroform	4.67	83	174569	48.696	ug/L	97
27) 1,2-Dichloroethane	5.40	62	135876	48.571	ug/L	98
29) Cyclohexane	5.00	56	145564	50.808	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	147025	50.085	ug/L	98
31) Carbon tetrachloride	5.13	117	132295	50.291	ug/L	100
33) Benzene	5.39	78	385522	50.394	ug/L	100
34) Trichloroethene	6.19	95	91017	49.580	ug/L	99
35) Methylcyclohexane	6.42	83	149824	50.067	ug/L	99
37) 1,2-Dichloropropane	6.43	63	104527	49.739	ug/L	100
38) Bromodichloromethane	6.76	83	128204	49.193	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	143955	48.493	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	264155	105.788	ug/L	98
42) Toluene	7.64	91	399990	51.667	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	135697	48.820	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	98485	51.403	ug/L	98
46) Tetrachloroethene	8.23	164	83212	51.133	ug/L	97
48) 2-Hexanone	8.36	43	207005	102.773	ug/L	98
49) Dibromochloromethane	8.48	129	110479	50.941	ug/L	97
50) 1,2-Dibromoethane	8.59	107	99710	49.919	ug/L #	100
51) Chlorobenzene	9.12	112	262737	50.016	ug/L	100
52) Ethylbenzene	9.25	91	423346	52.204	ug/L	99
53) m,p-Xylene	9.38	106	169229	54.284	ug/L	97
54) o-xylene	9.78	106	167411	55.114	ug/L	97
55) Styrene	9.79	104	286090	54.553	ug/L	100
56) Isopropylbenzene	10.17	105	421556	54.331	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	162833	50.529	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	126275	50.164	ug/L	100
61) Bromoform	9.96	173	84486	50.211	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	199093	51.041	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	210092	48.914	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	226332	52.403	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	31075	47.426	ug/L	88
67) 1,3,5-Trichlorobenzene	12.89	180	152217	50.428	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	127860	49.156	ug/L	99
69) Naphthalene	13.74	128	405373	52.900	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	147629	51.539	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 50.549 ug/L

RT: 1.20 min Scan# 9

Delta R.T. -0.00 min

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Acq: 21 Sep 2018 03:36

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MSVOA_U

ClientSampleId :

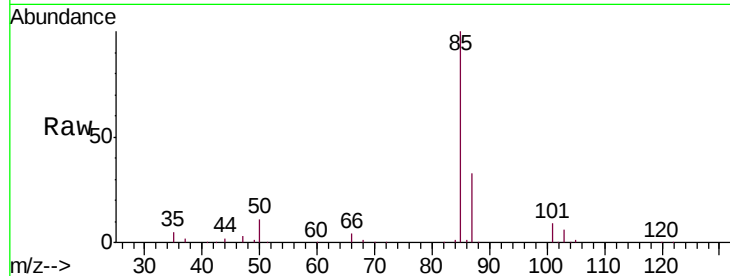
VSTD05053

Tgt Ion: 85 Resp: 122744

Ion Ratio Lower Upper

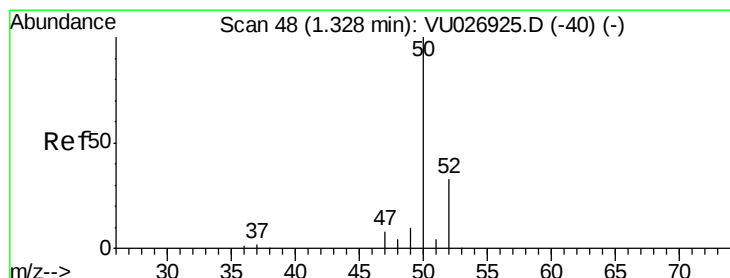
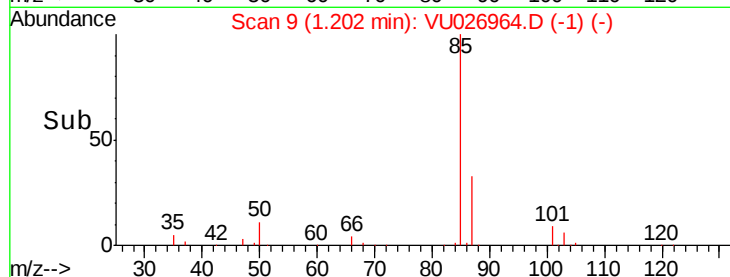
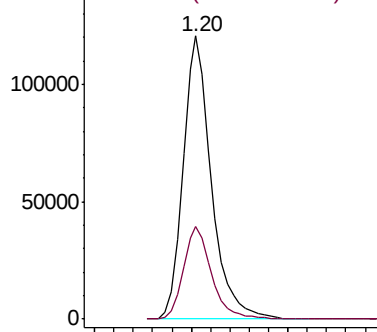
85 100

87 32.5 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 56.020 ug/L

RT: 1.32 min Scan# 47

Delta R.T. -0.00 min

Lab File: VU026964.D

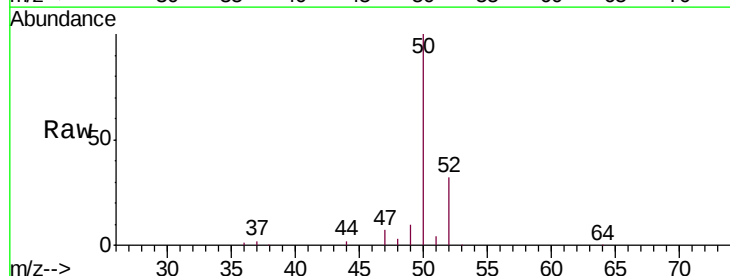
Acq: 21 Sep 2018 03:36

Tgt Ion: 50 Resp: 138754

Ion Ratio Lower Upper

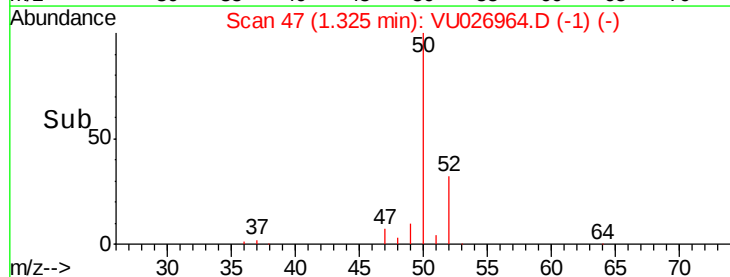
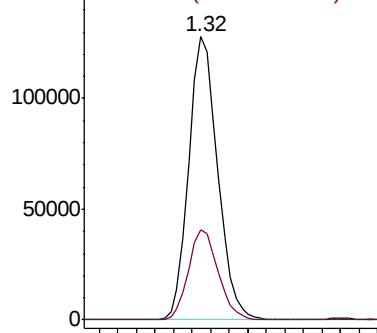
50 100

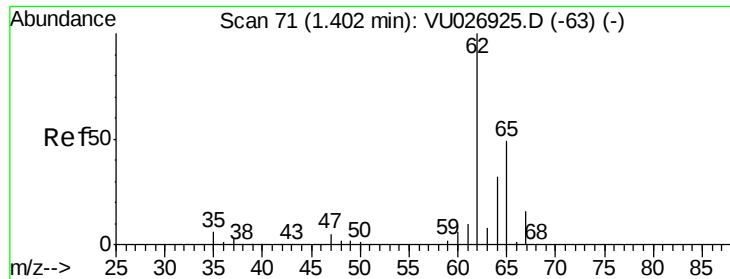
52 32.0 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 52.513 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.00 min

Lab File: VU026964.D

Acq: 21 Sep 2018 03:36

Instrument :

MSVOA_U

ClientSampleId :

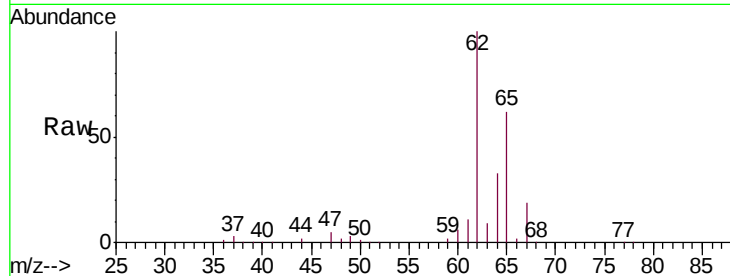
VSTD05053

Tgt Ion: 62 Resp: 126580

Ion Ratio Lower Upper

62 100

64 33.2 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

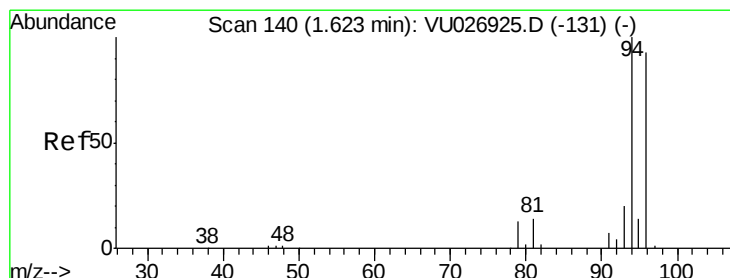
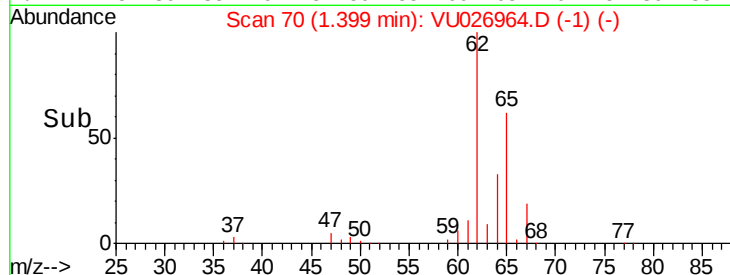
1.40

100000

50000

0

Time-->



#6

Bromomethane

Concen: 55.361 ug/L

RT: 1.61 min Scan# 135

Delta R.T. -0.02 min

Lab File: VU026964.D

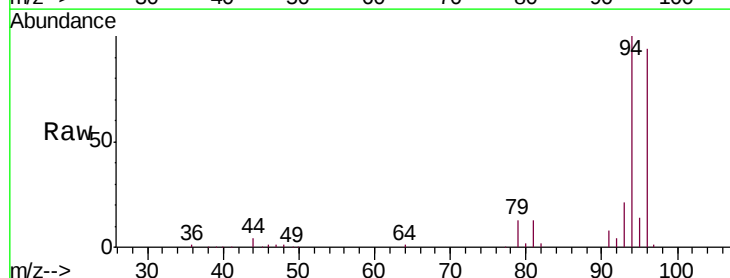
Acq: 21 Sep 2018 03:36

Tgt Ion: 94 Resp: 65910

Ion Ratio Lower Upper

94 100

96 93.9 66.0 122.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.61

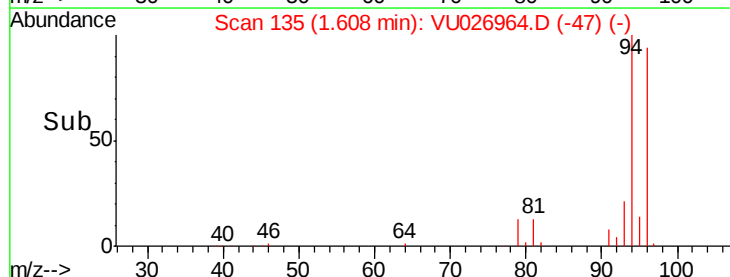
60000

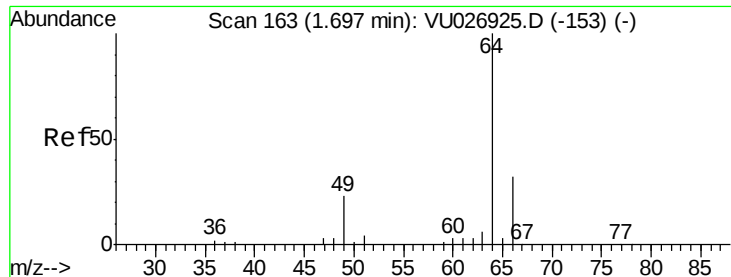
40000

20000

0

Time-->

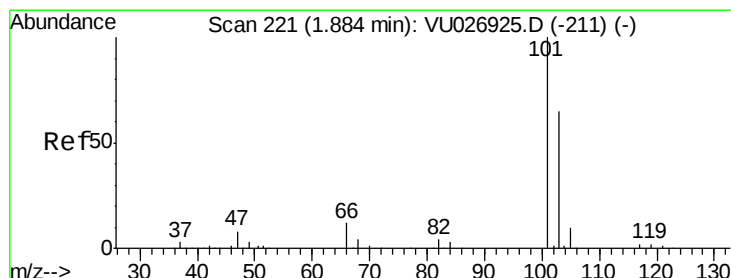
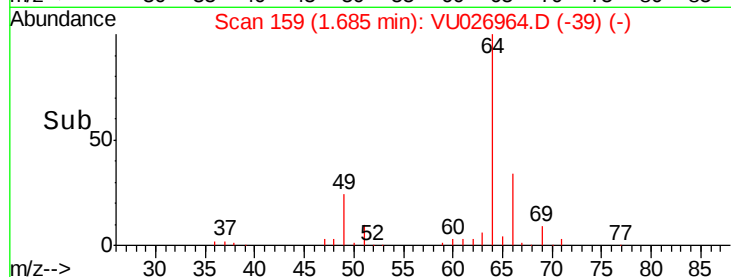
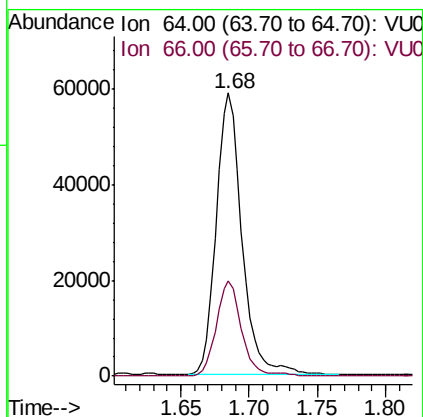
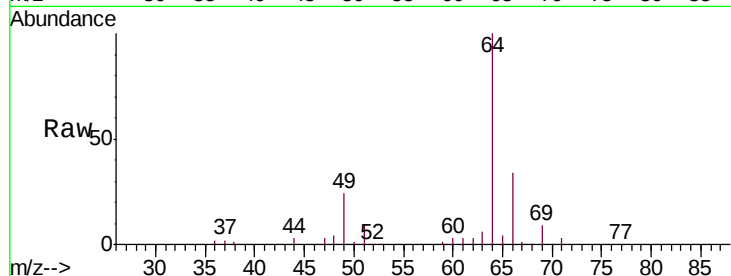




#8
Chloroethane
Concen: 50.905 ug/L
RT: 1.68 min Scan# 159
Delta R.T. -0.01 min
Lab File: VU026964.D
Acq: 21 Sep 2018 03:36

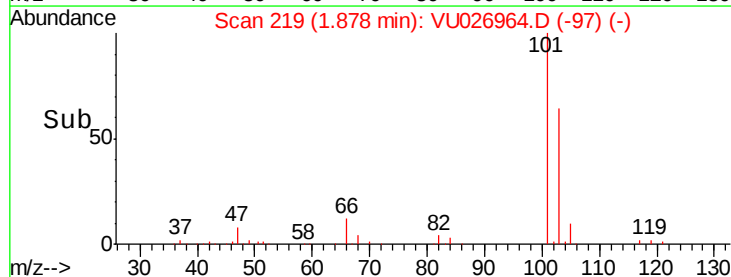
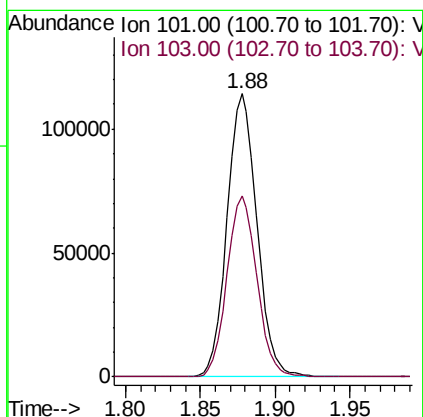
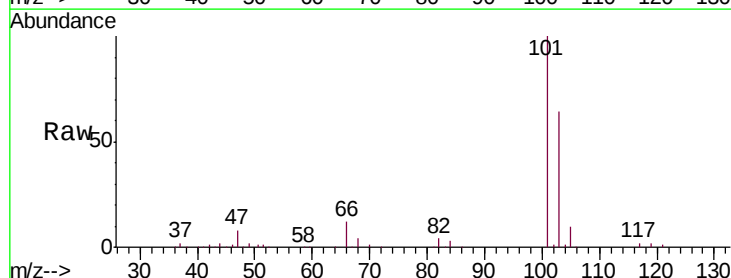
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

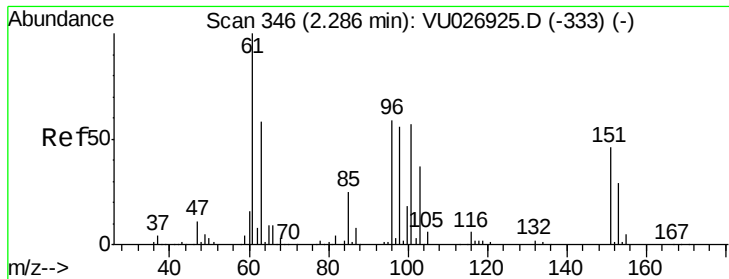
Tgt Ion: 64 Resp: 76894
Ion Ratio Lower Upper
64 100
66 33.8 23.0 42.8



#9
Trichlorofluoromethane
Concen: 53.198 ug/L
RT: 1.88 min Scan# 219
Delta R.T. -0.01 min
Lab File: VU026964.D
Acq: 21 Sep 2018 03:36

Tgt Ion: 101 Resp: 159324
Ion Ratio Lower Upper
101 100
103 64.2 51.9 77.9





#10

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

Concen: 53.135 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026964.D

Acq: 21 Sep 2018 03:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

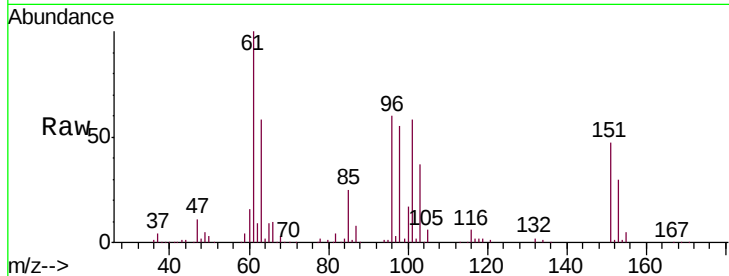
Tgt Ion: 101 Resp: 94267

Ion Ratio Lower Upper

101 100

85 42.1 34.6 52.0

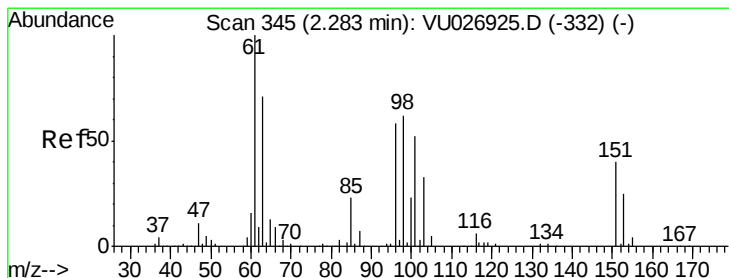
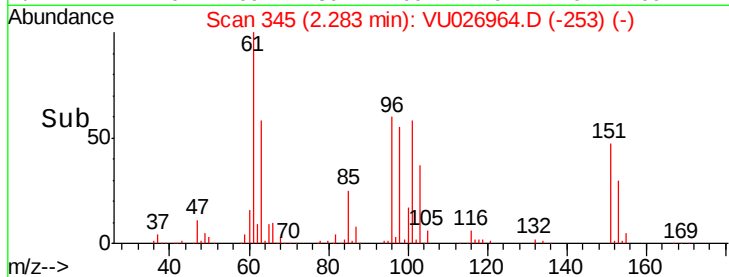
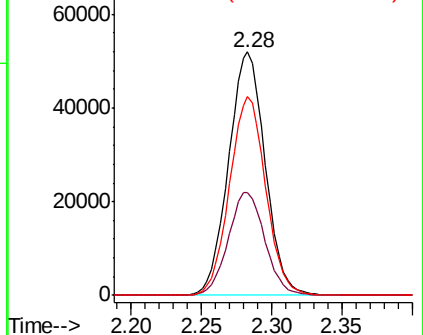
151 80.8 63.0 94.4



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: 52.842 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.00 min

Lab File: VU026964.D

Acq: 21 Sep 2018 03:36

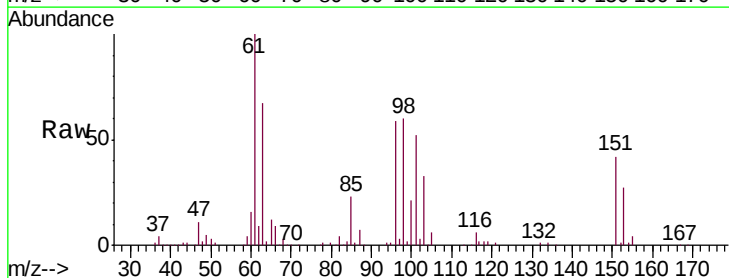
Tgt Ion: 96 Resp: 88044

Ion Ratio Lower Upper

96 100

61 170.4 124.0 230.4

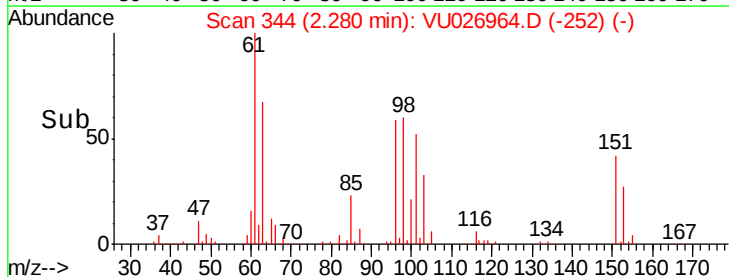
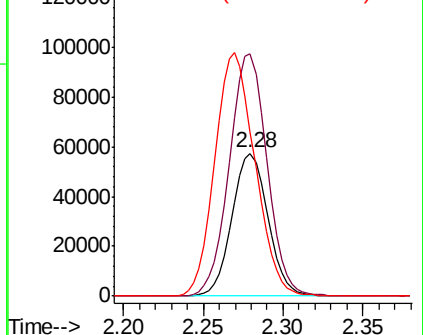
63 114.9 97.7 181.5

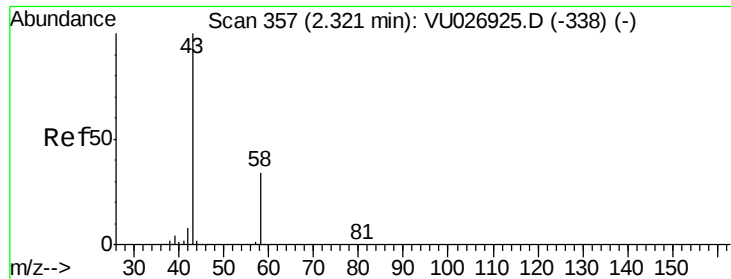


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 78.327 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

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Acq: 21 Sep 2018 03:36

Instrument :

MSVOA_U

ClientSampleId :

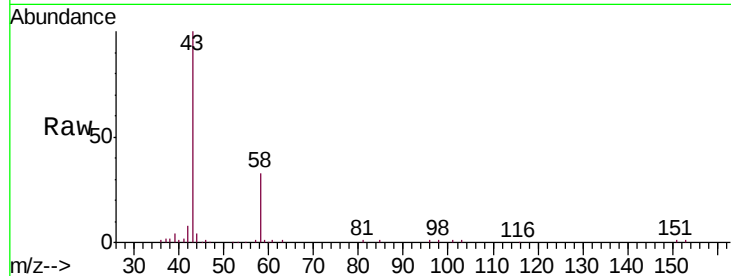
VSTD05053

Tgt Ion: 43 Resp: 97102

Ion Ratio Lower Upper

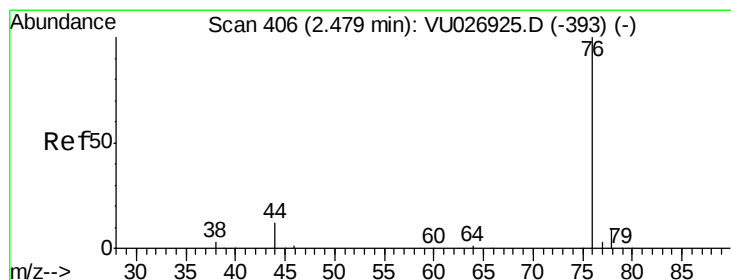
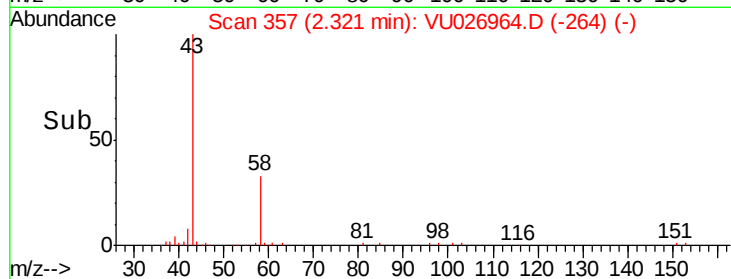
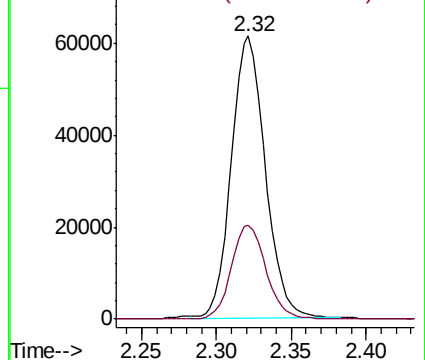
43 100

58 34.1 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 45.009 ug/L

RT: 2.47 min Scan# 404

Delta R.T. -0.01 min

Lab File: VU026964.D

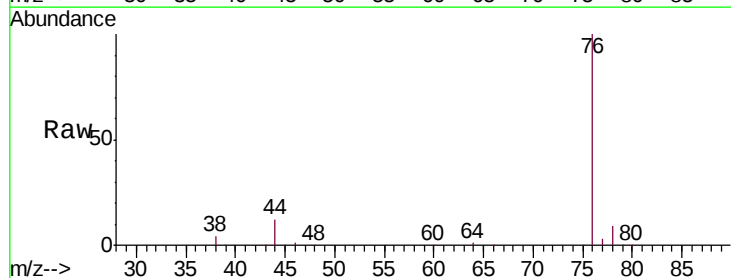
Acq: 21 Sep 2018 03:36

Tgt Ion: 76 Resp: 258793

Ion Ratio Lower Upper

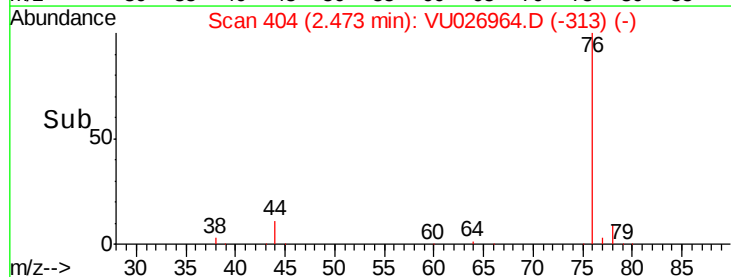
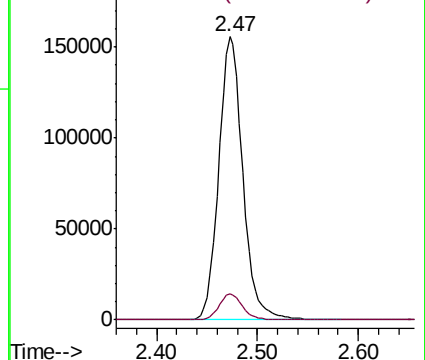
76 100

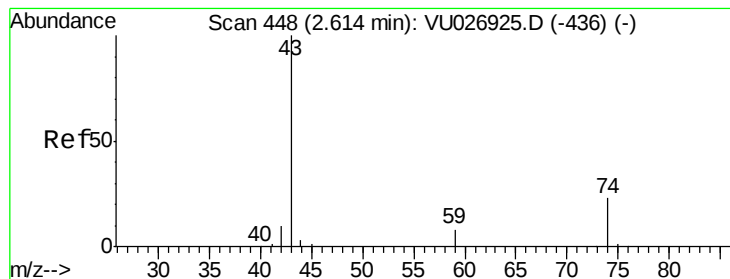
78 9.2 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 49.008 ug/L

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU026964.D

Acq: 21 Sep 2018 03:36

Instrument :

MSVOA_U

ClientSampleId :

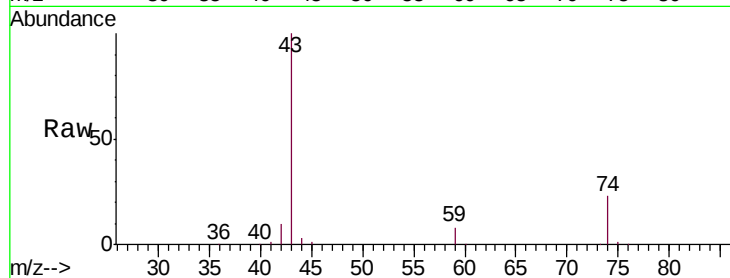
VSTD05053

Tgt Ion: 43 Resp: 105265

Ion Ratio Lower Upper

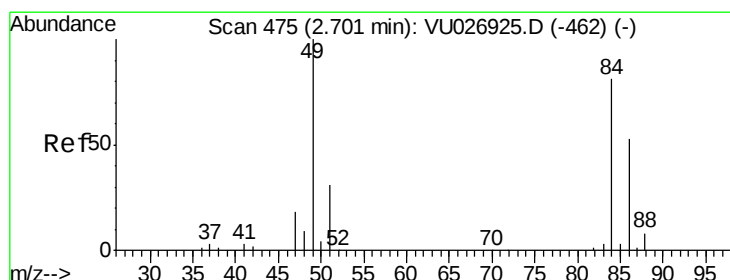
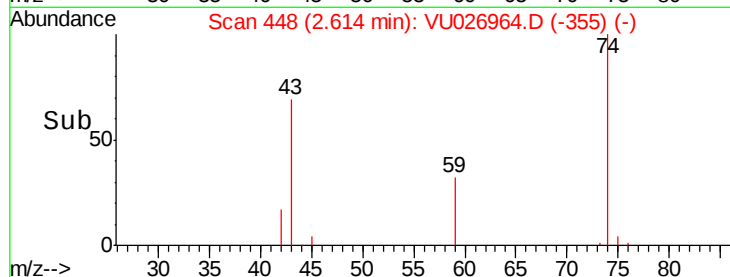
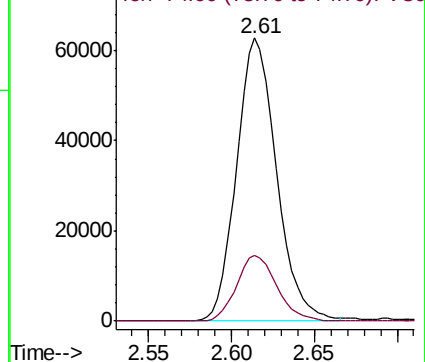
43 100

74 23.4 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 48.609 ug/L

RT: 2.70 min Scan# 474

Delta R.T. -0.00 min

Lab File: VU026964.D

Acq: 21 Sep 2018 03:36

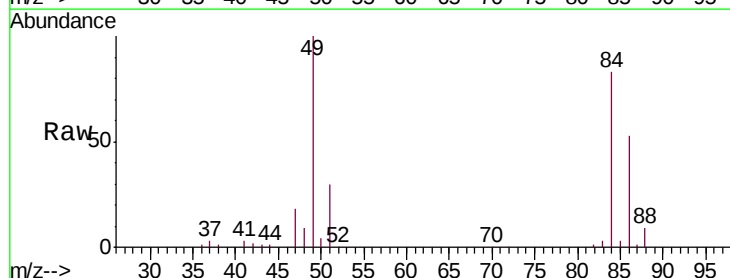
Tgt Ion: 84 Resp: 102956

Ion Ratio Lower Upper

84 100

86 63.5 45.3 84.1

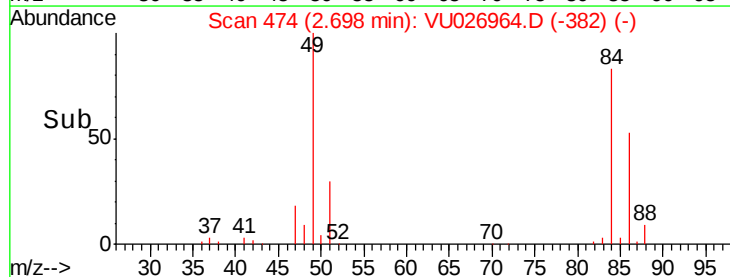
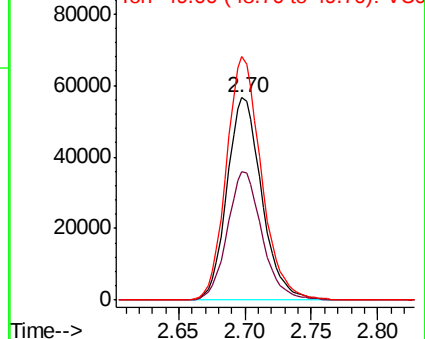
49 120.4 86.2 160.2

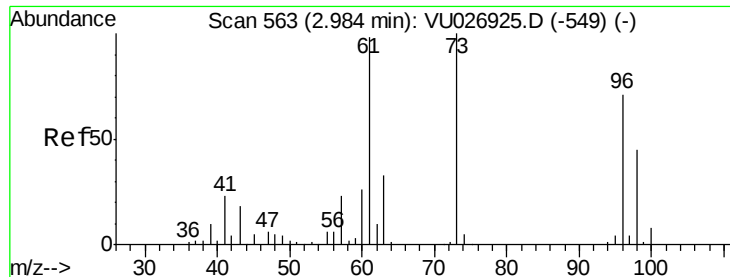


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

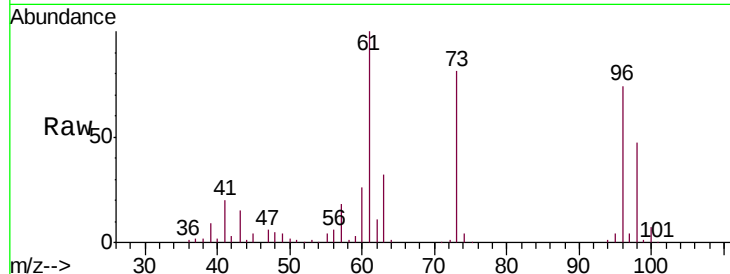




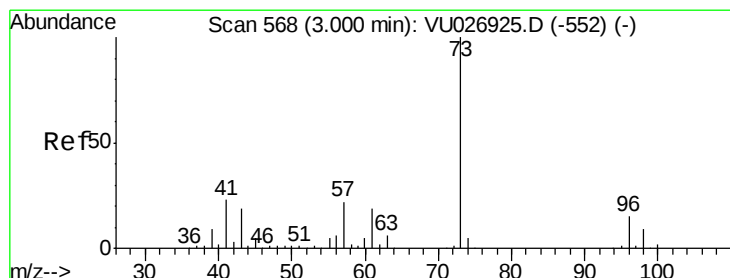
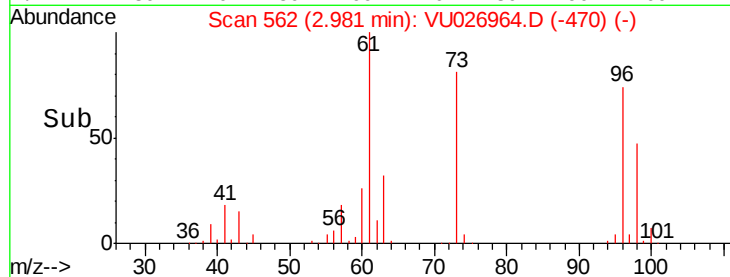
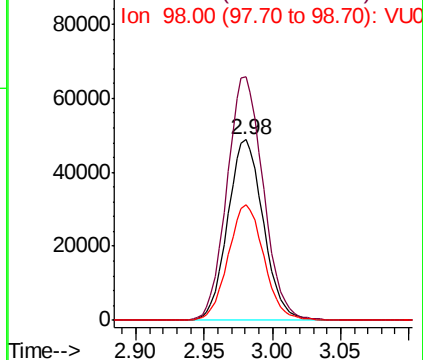
#17
trans-1,2-Dichloroethene
Concen: 48.336 ug/L
RT: 2.98 min Scan# 562
Delta R.T. -0.00 min
Lab File: VU026964.D
Acq: 21 Sep 2018 03:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

Tgt Ion: 96 Resp: 88699
Ion Ratio Lower Upper
96 100
61 135.1 98.7 183.3
98 63.9 45.2 84.0

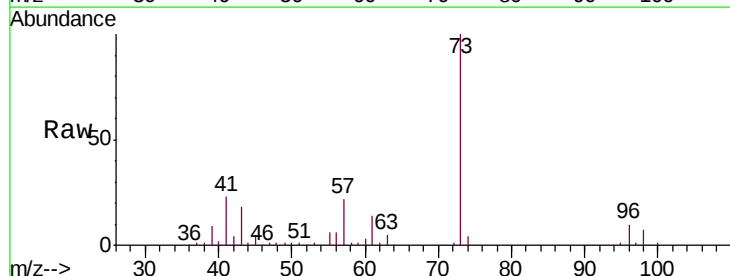


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

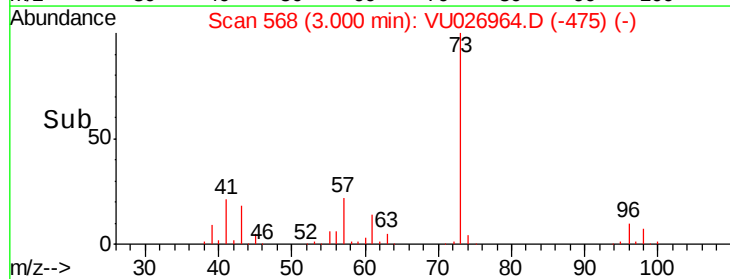
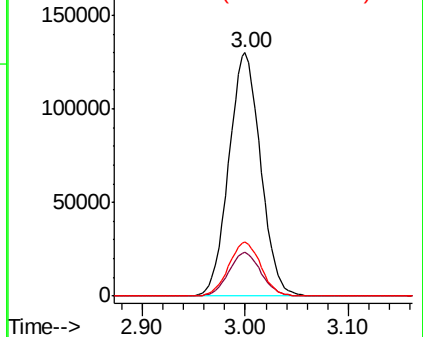


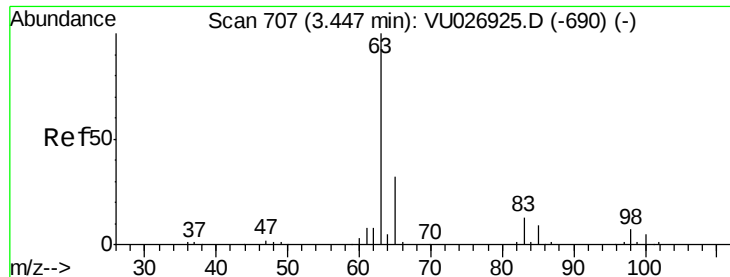
#18
Methyl tert-butyl Ether
Concen: 52.005 ug/L
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU026964.D
Acq: 21 Sep 2018 03:36

Tgt Ion: 73 Resp: 279071
Ion Ratio Lower Upper
73 100
43 18.3 15.3 22.9
57 22.4 18.1 27.1



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

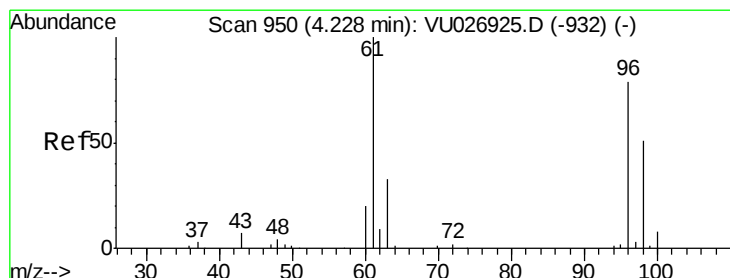
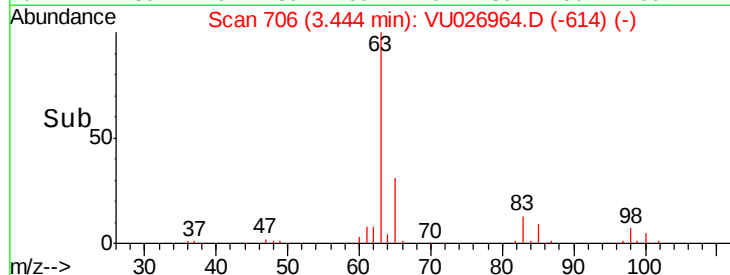
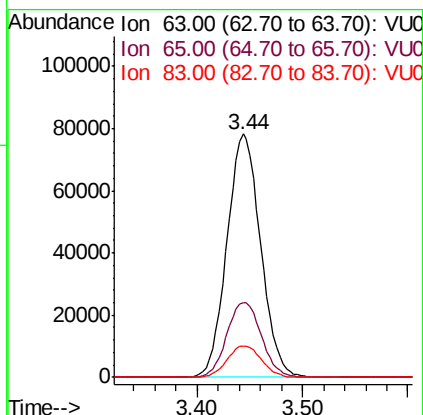
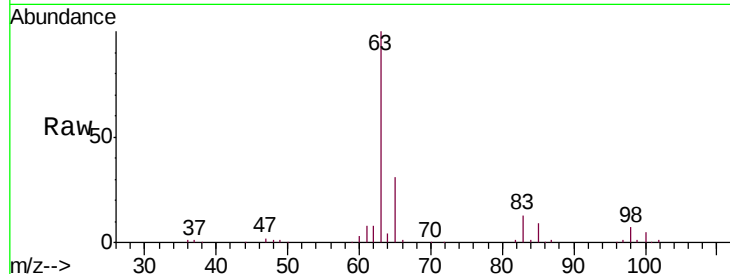




#19
 1,1-Dichloroethane
 Concen: 48.827 ug/L
 RT: 3.44 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VU026964.D
 Acq: 21 Sep 2018 03:36

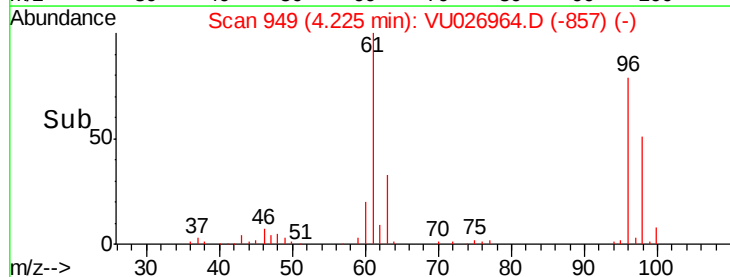
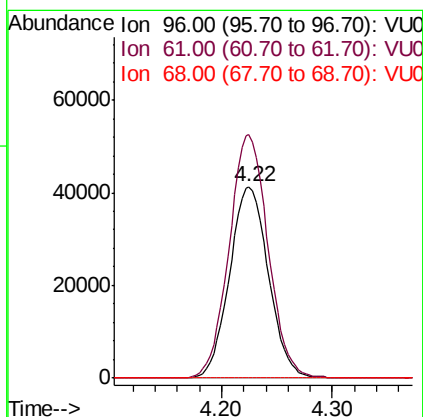
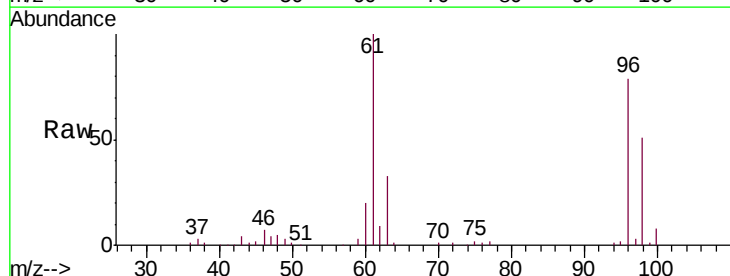
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05053

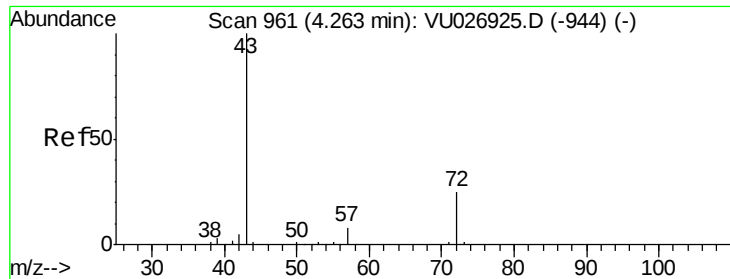
Tgt Ion: 63 Resp: 172818
 Ion Ratio Lower Upper
 63 100
 65 30.8 22.1 41.1
 83 13.0 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 49.933 ug/L
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU026964.D
 Acq: 21 Sep 2018 03:36

Tgt Ion: 96 Resp: 100777
 Ion Ratio Lower Upper
 96 100
 61 127.0 90.2 167.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 94.344 ug/L

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU026964.D

Acq: 21 Sep 2018 03:36

Instrument :

MSVOA_U

ClientSampleId :

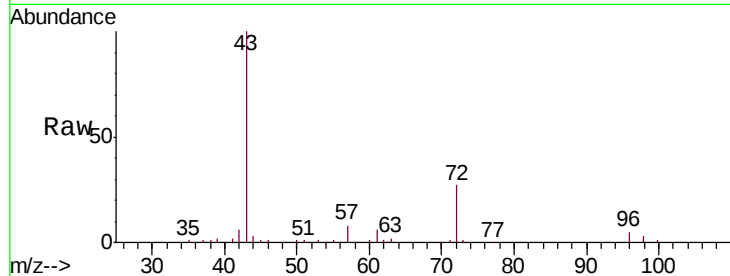
VSTD05053

Tgt Ion: 43 Resp: 144233

Ion Ratio Lower Upper

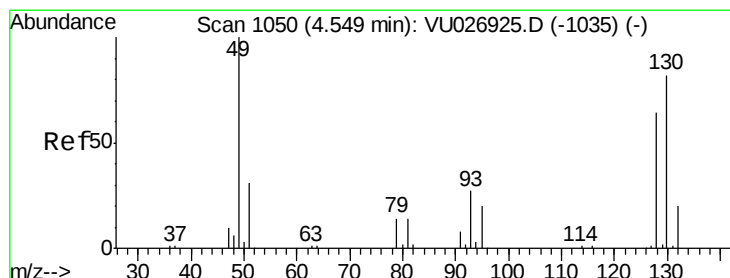
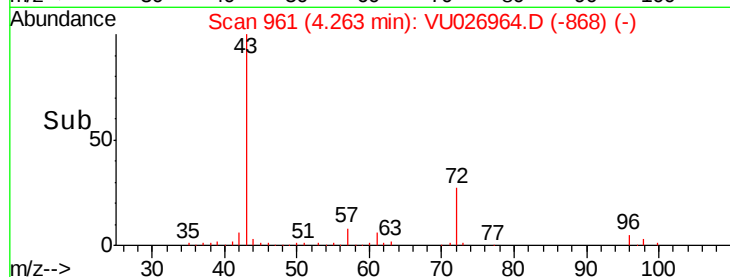
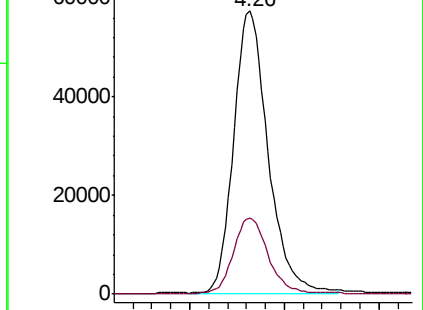
43 100

72 27.8 13.3 39.9



Abundance Ion 43.00 (42.70 to 43.70): VU026964.D (-868) (-)

Ion 72.00 (71.70 to 72.70): VU026964.D (-868) (-)



#23

Bromochloromethane

Concen: 50.657 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU026964.D

Acq: 21 Sep 2018 03:36

Tgt Ion: 128 Resp: 55202

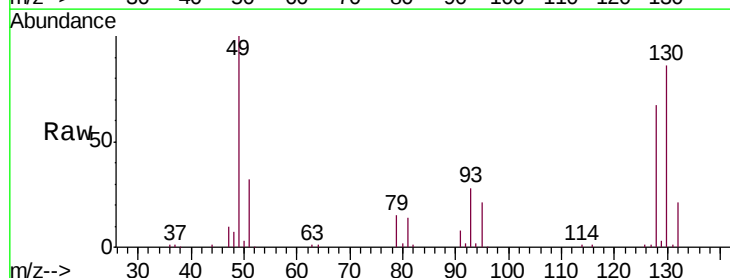
Ion Ratio Lower Upper

128 100

49 148.8 113.0 209.8

130 128.3 89.7 166.5

51 47.3 39.7 59.5

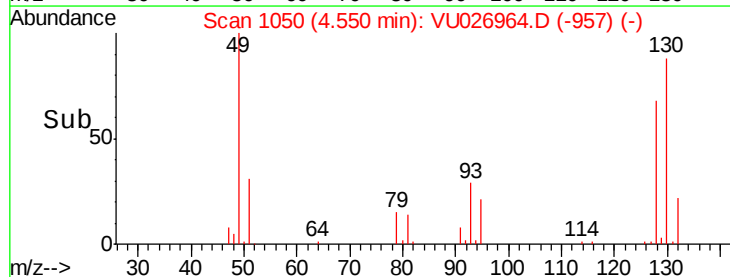
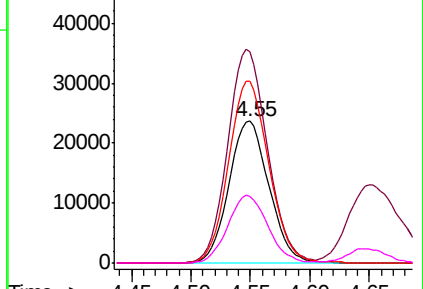


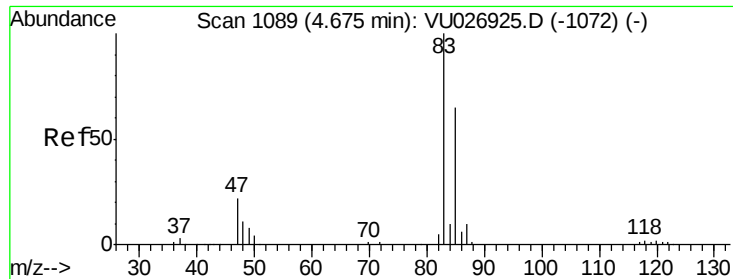
Abundance Ion 128.00 (127.70 to 128.70): VU026964.D (-957) (-)

Ion 49.00 (48.70 to 49.70): VU026964.D (-957) (-)

Ion 130.00 (129.70 to 130.70): VU026964.D (-957) (-)

Ion 51.00 (50.70 to 51.70): VU026964.D (-957) (-)

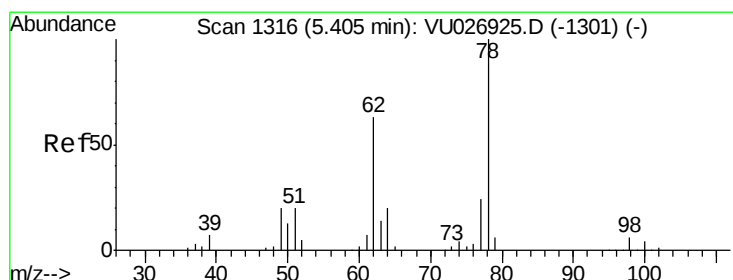
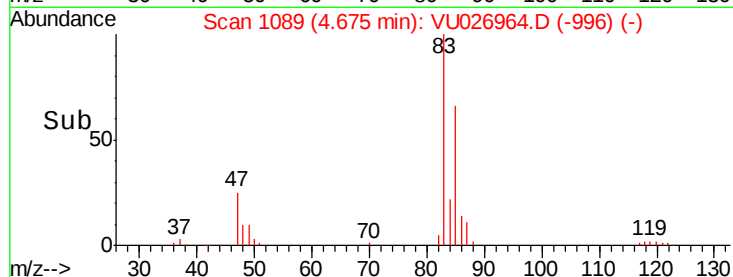
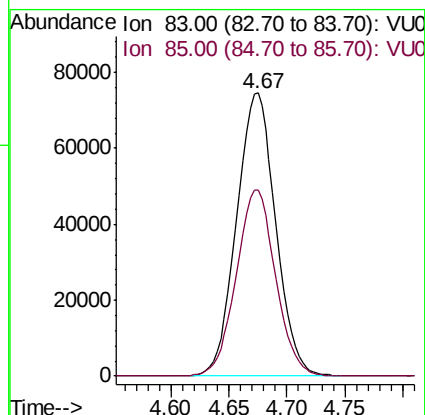
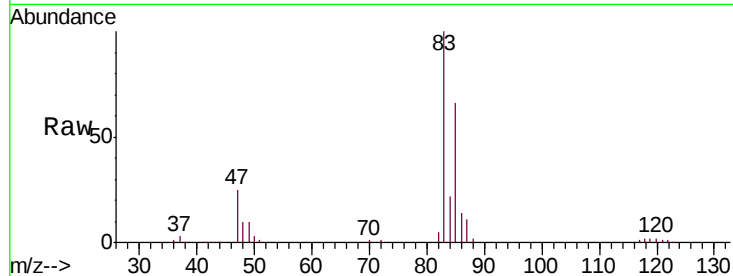




#25
Chloroform
Concen: 48.696 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU026964.D
Acq: 21 Sep 2018 03:36

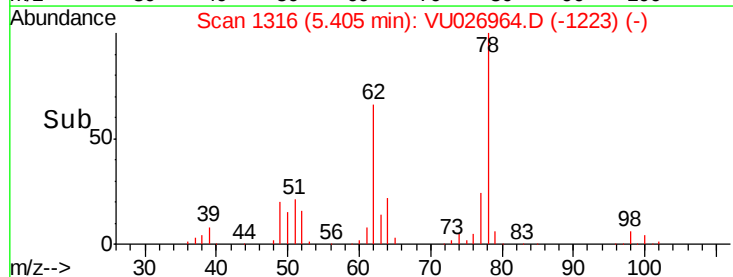
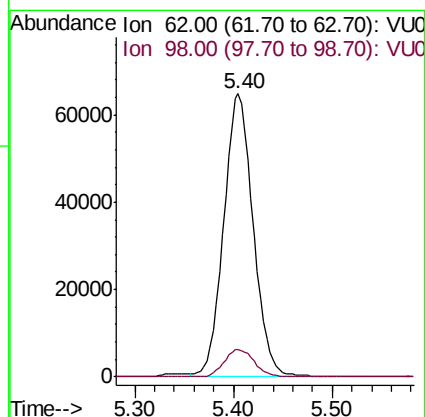
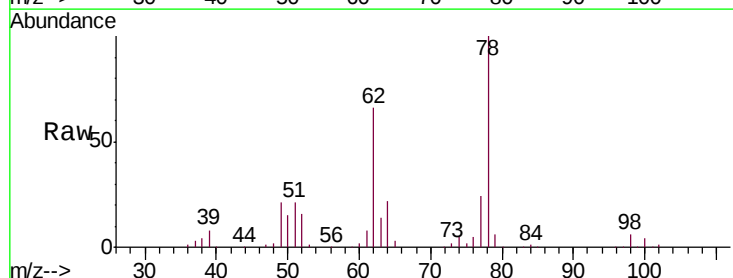
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

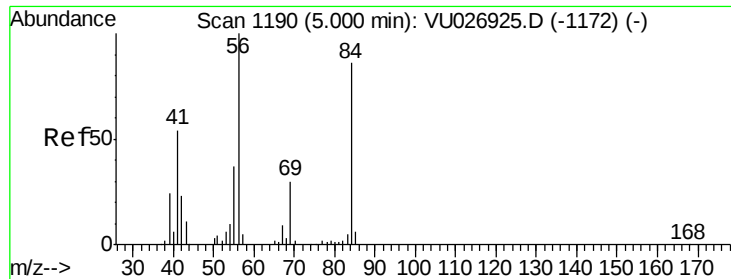
Tgt Ion: 83 Resp: 174569
Ion Ratio Lower Upper
83 100
85 65.7 44.4 82.5



#27
1,2-Dichloroethane
Concen: 48.571 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU026964.D
Acq: 21 Sep 2018 03:36

Tgt Ion: 62 Resp: 135876
Ion Ratio Lower Upper
62 100
98 9.5 8.2 12.4

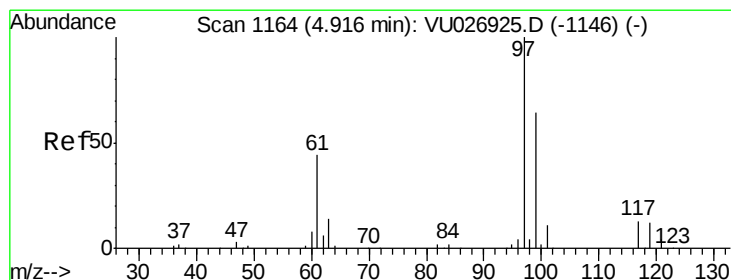
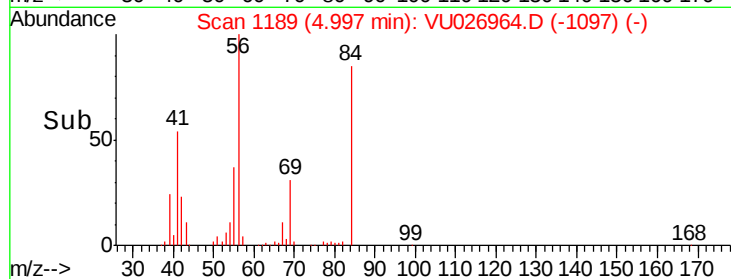
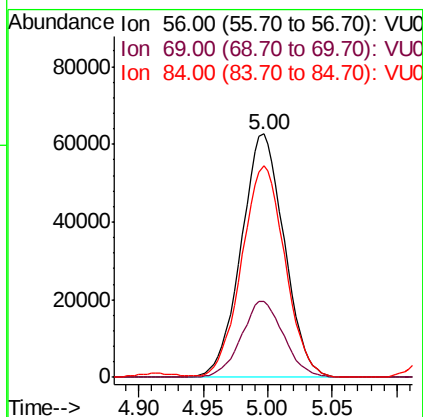
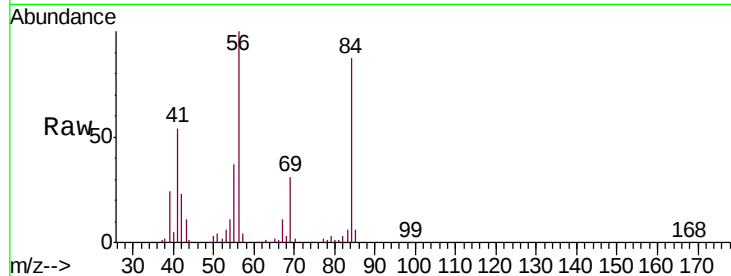




#29
Cyclohexane
Concen: 50.808 ug/L
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU026964.D
Acq: 21 Sep 2018 03:36

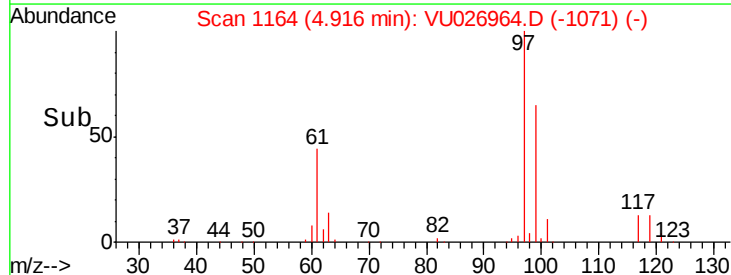
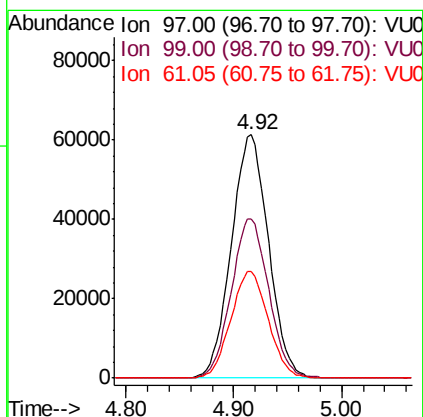
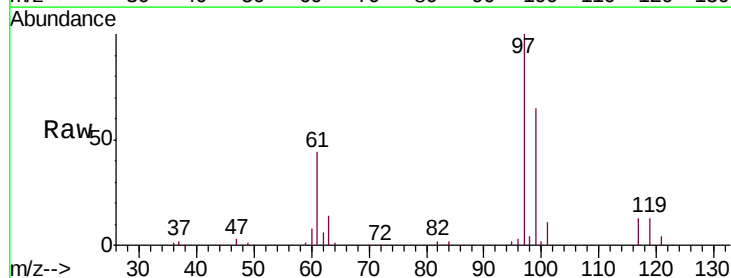
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

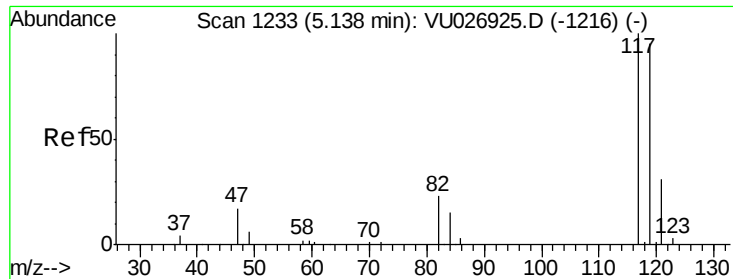
Tgt Ion: 56 Resp: 145564
Ion Ratio Lower Upper
56 100
69 30.8 23.7 35.5
84 87.7 69.0 103.4



#30
1,1,1-Trichloroethane
Concen: 50.085 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU026964.D
Acq: 21 Sep 2018 03:36

Tgt Ion: 97 Resp: 147025
Ion Ratio Lower Upper
97 100
99 66.1 51.8 77.8
61 44.1 36.6 54.8

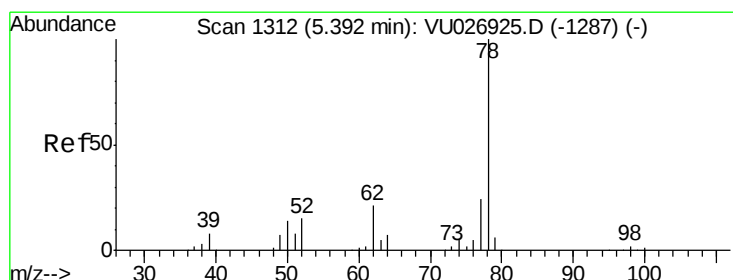
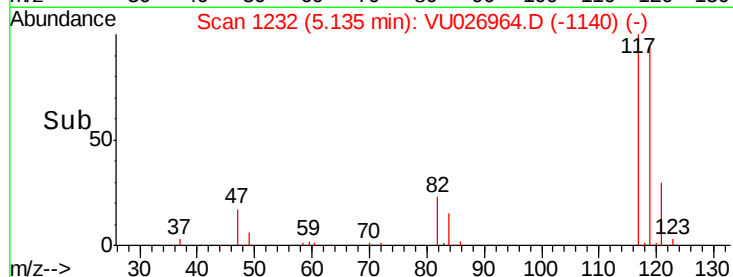
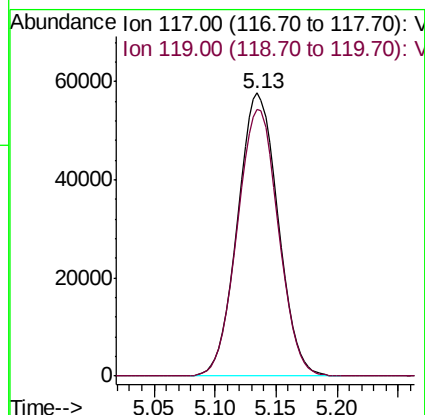
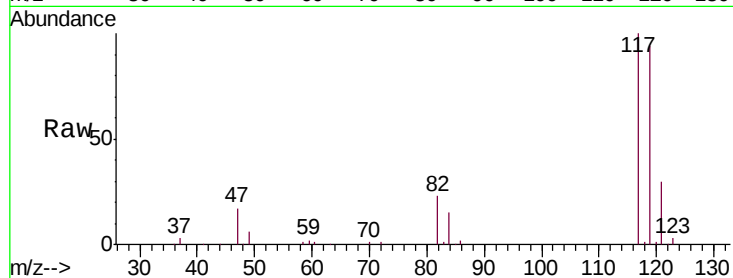




#31
Carbon tetrachloride
Concen: 50.291 ug/L
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU026964.D
Acq: 21 Sep 2018 03:36

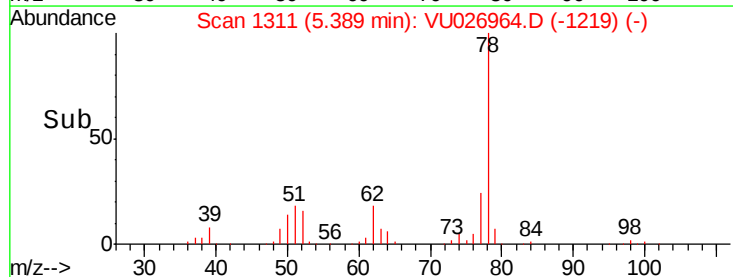
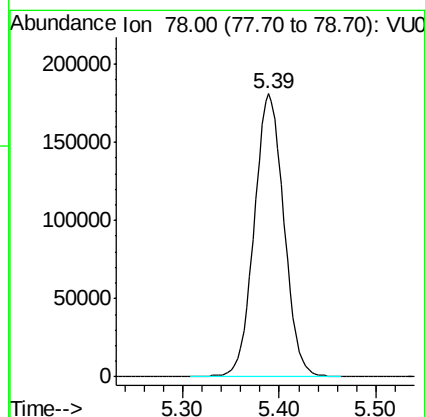
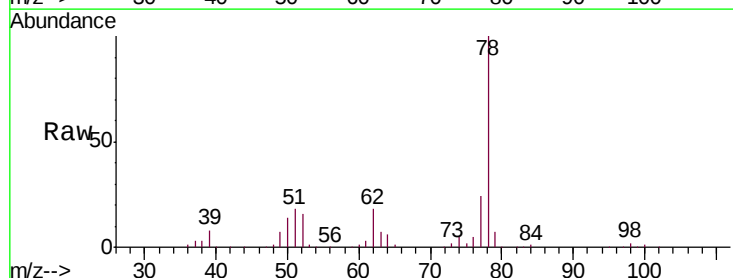
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

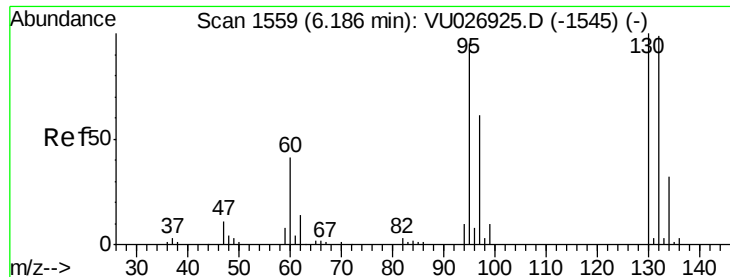
Tgt Ion:117 Resp: 132295
Ion Ratio Lower Upper
117 100
119 95.7 76.3 114.5



#33
Benzene
Concen: 50.394 ug/L
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU026964.D
Acq: 21 Sep 2018 03:36

Tgt Ion: 78 Resp: 385522

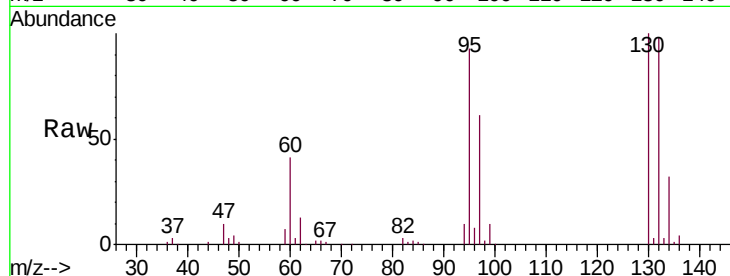




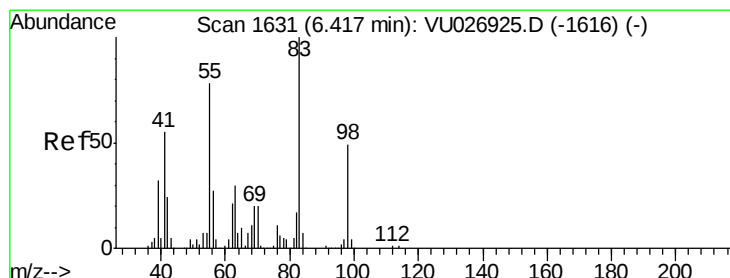
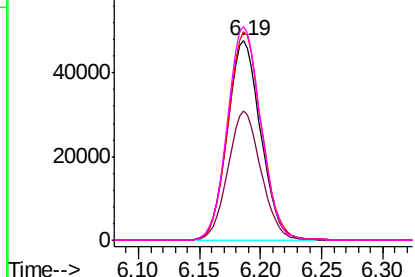
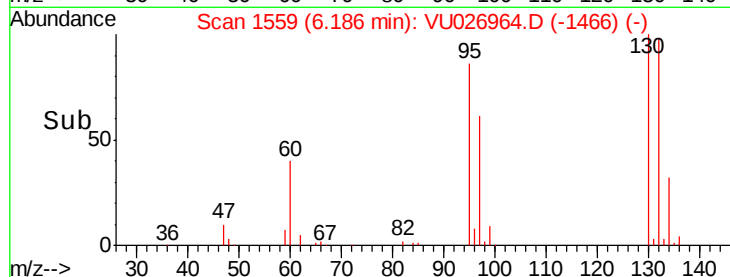
#34
 Trichloroethene
 Concen: 49.580 ug/L
 RT: 6.19 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: VU026964.D
 Acq: 21 Sep 2018 03:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Tgt Ion: 95 Resp: 91017
 Ion Ratio Lower Upper
 95 100
 97 65.2 46.3 85.9
 132 104.9 71.7 133.1
 130 107.2 75.3 139.8

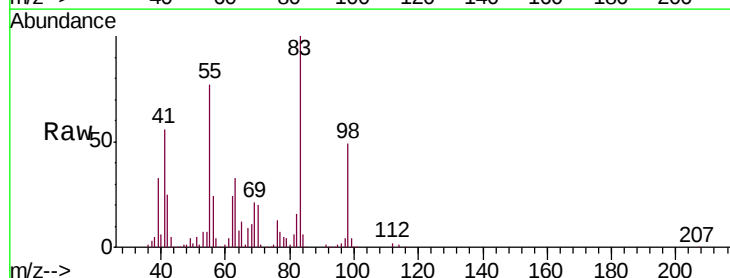


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

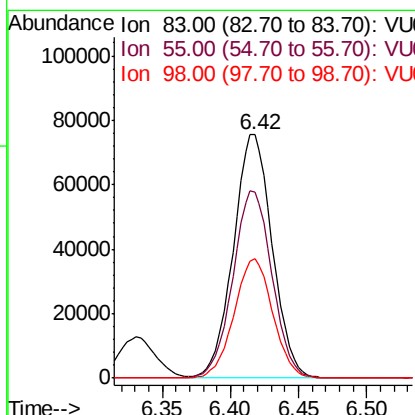
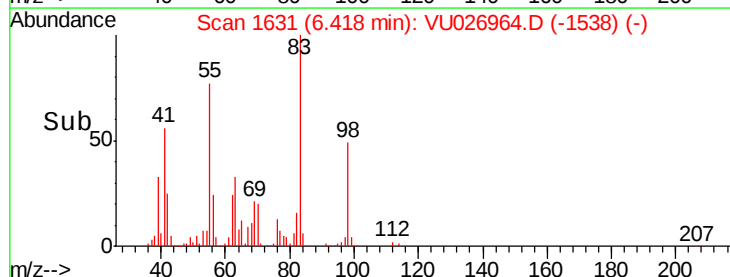


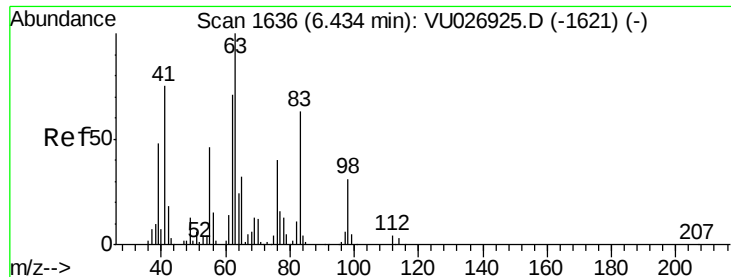
#35
 Methylcyclohexane
 Concen: 50.067 ug/L
 RT: 6.42 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU026964.D
 Acq: 21 Sep 2018 03:36

Tgt Ion: 83 Resp: 149824
 Ion Ratio Lower Upper
 83 100
 55 77.3 61.7 92.5
 98 48.6 38.3 57.5



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: 49.739 ug/L

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU026964.D

Acq: 21 Sep 2018 03:36

Instrument :

MSVOA_U

ClientSampleId :

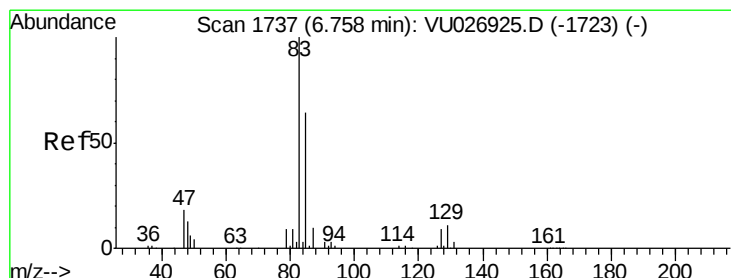
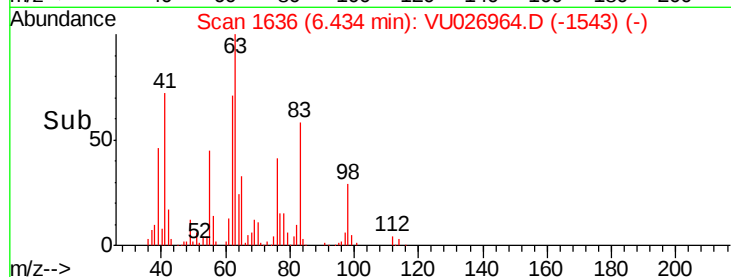
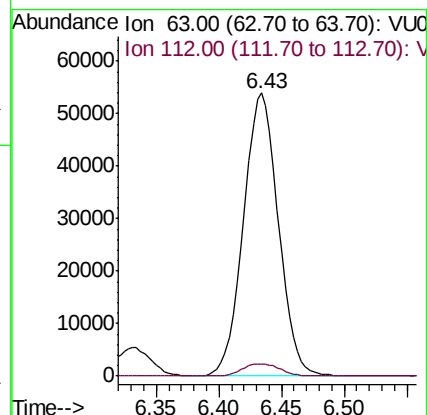
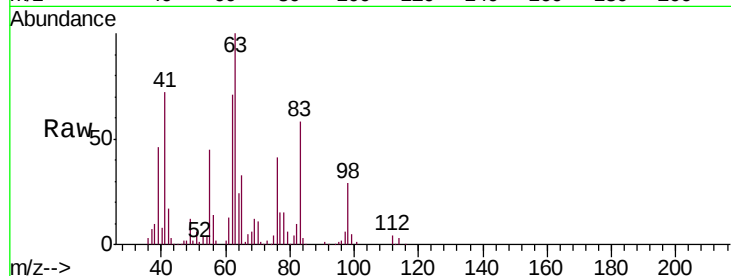
VSTD05053

Tgt Ion: 63 Resp: 104527

Ion Ratio Lower Upper

63 100

112 4.6 3.7 5.5



#38

Bromodichloromethane

Concen: 49.193 ug/L

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU026964.D

Acq: 21 Sep 2018 03:36

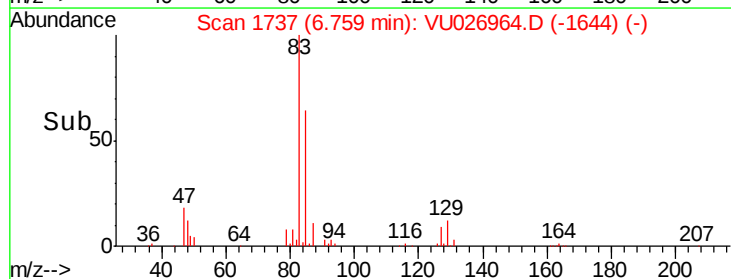
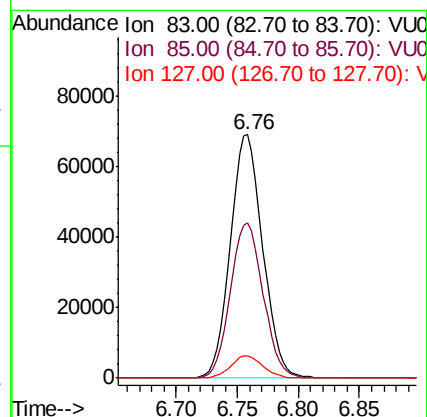
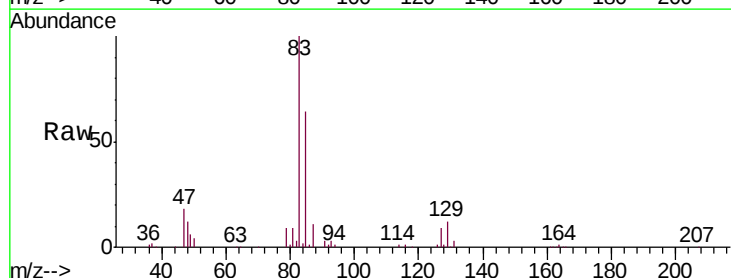
Tgt Ion: 83 Resp: 128204

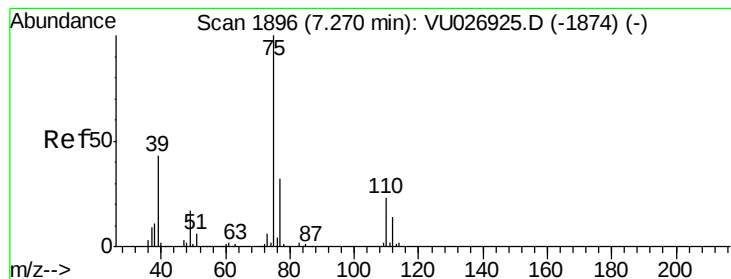
Ion Ratio Lower Upper

83 100

85 63.8 44.5 82.7

127 9.1 6.9 10.3



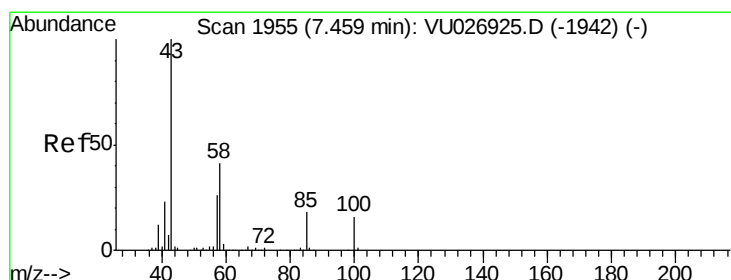
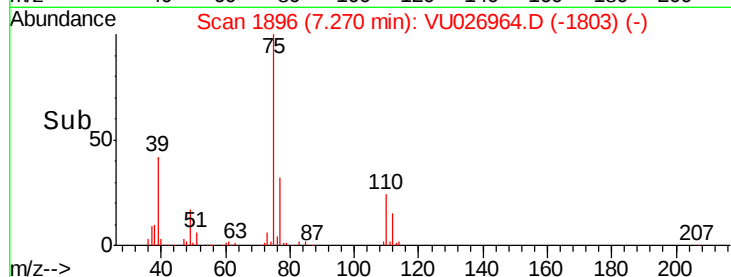
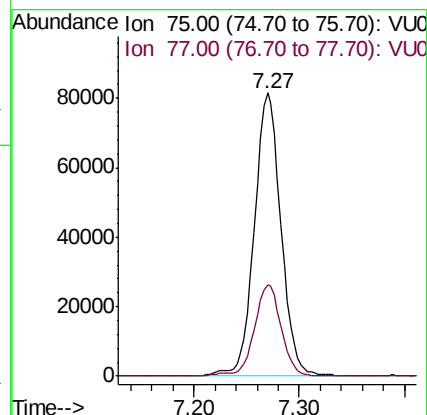
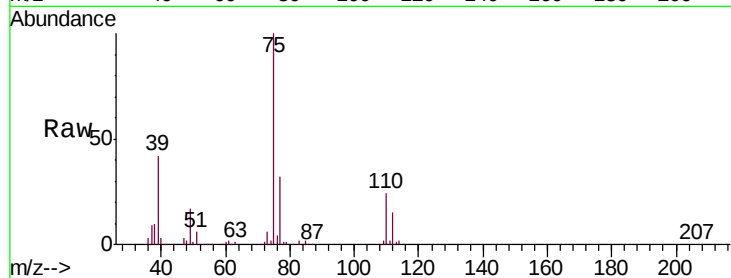


#39

cis-1,3-Dichloropropene
Concen: 48.493 ug/L
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU026964.D
Acq: 21 Sep 2018 03:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

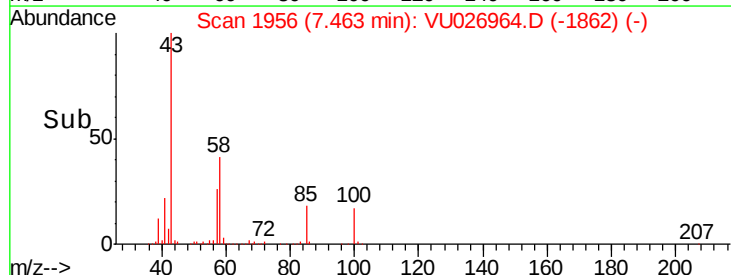
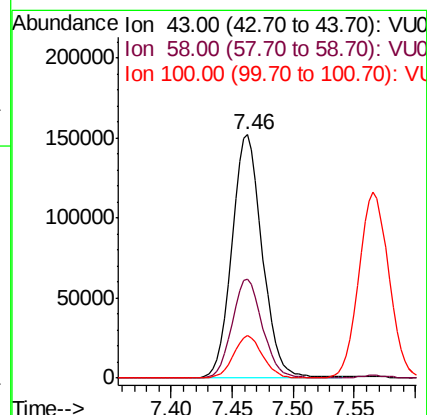
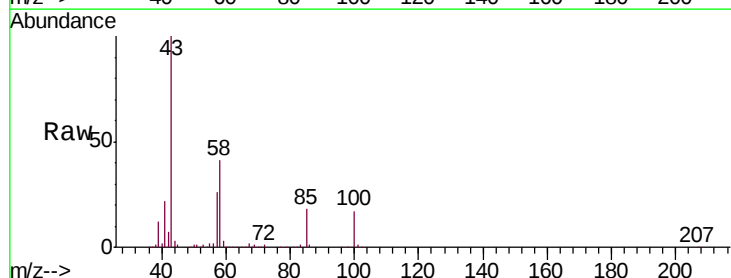
Tgt Ion: 75 Resp: 143955
Ion Ratio Lower Upper
75 100
77 32.3 22.1 41.1

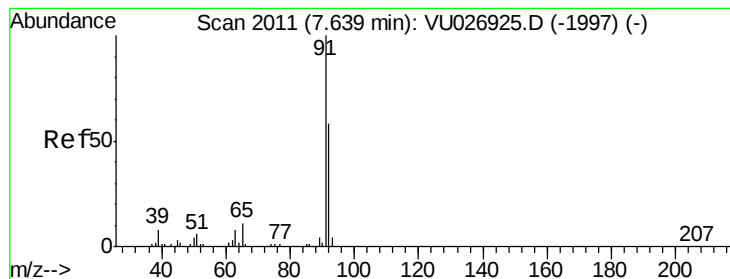


#40

4-Methyl-2-pentanone
Concen: 105.788 ug/L
RT: 7.46 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VU026964.D
Acq: 21 Sep 2018 03:36

Tgt Ion: 43 Resp: 264155
Ion Ratio Lower Upper
43 100
58 40.8 32.0 48.0
100 16.8 12.6 19.0





#42

Toluene

Concen: 51.667 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU026964.D

Acq: 21 Sep 2018 03:36

Instrument :

MSVOA_U

ClientSampleId :

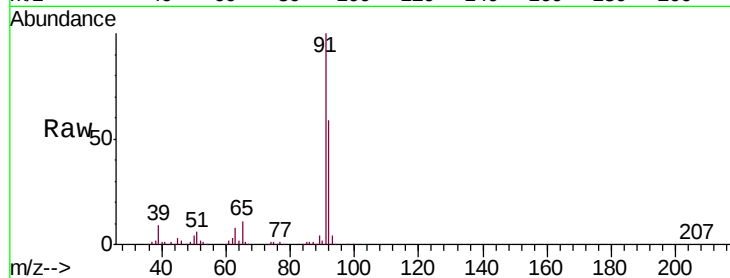
VSTD05053

Tgt Ion: 91 Resp: 399990

Ion Ratio Lower Upper

91 100

92 58.8 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VU026925.D (-1997) (-)

Ion 92.00 (91.70 to 92.70): VU026925.D (-1997) (-)

7.64

250000

200000

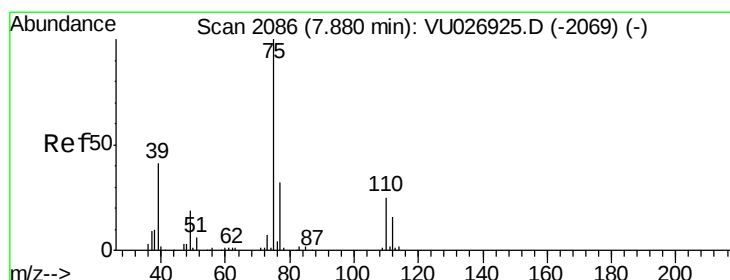
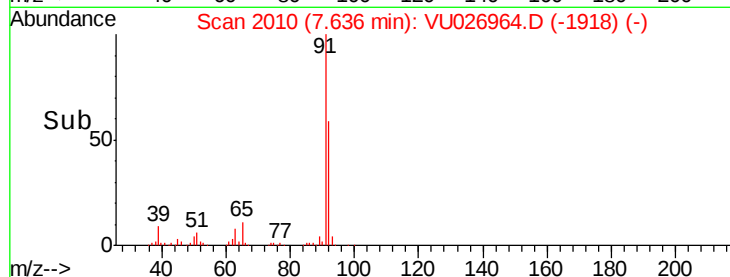
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70



#44

trans-1,3-Dichloropropene

Concen: 48.820 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU026964.D

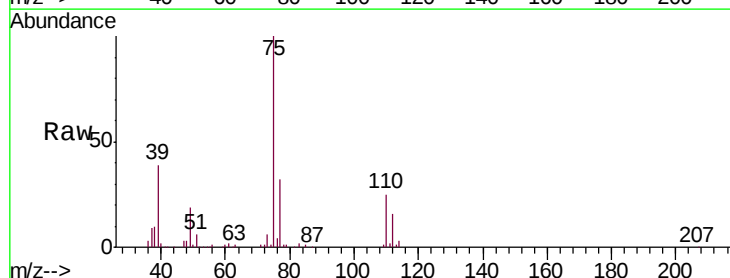
Acq: 21 Sep 2018 03:36

Tgt Ion: 75 Resp: 135697

Ion Ratio Lower Upper

75 100

77 31.6 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VU026925.D (-2069) (-)

Ion 77.00 (76.70 to 77.70): VU026925.D (-2069) (-)

7.88

80000

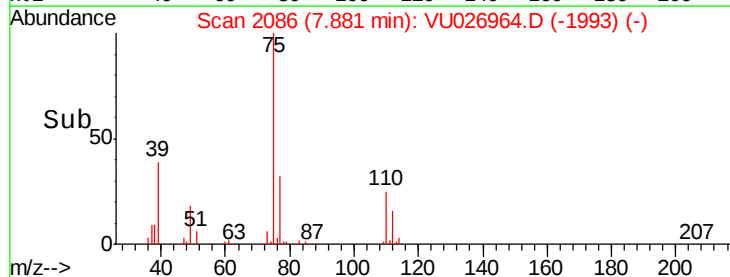
60000

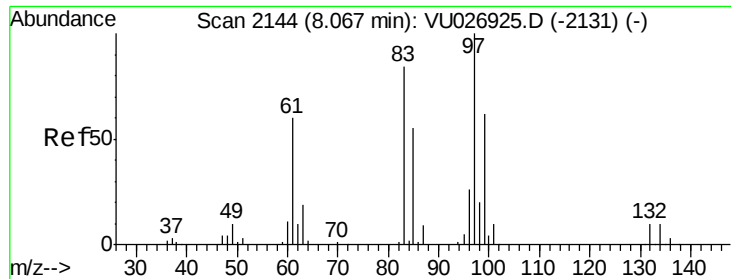
40000

20000

0

Time--> 7.80 7.90 8.00

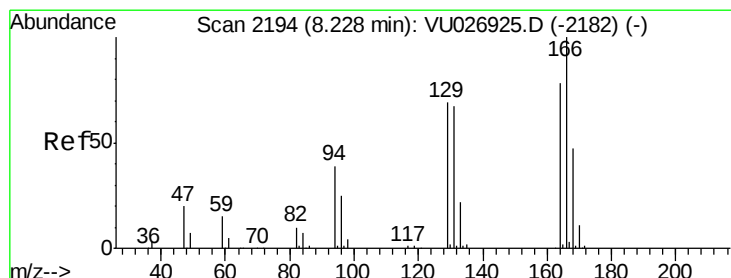
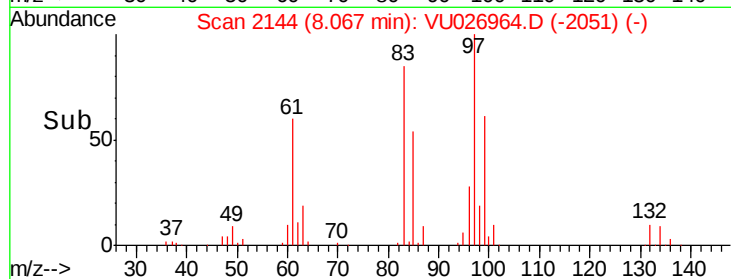
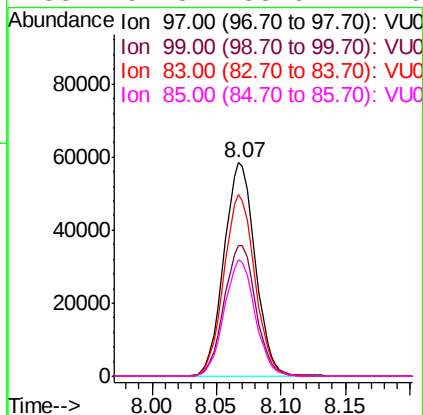
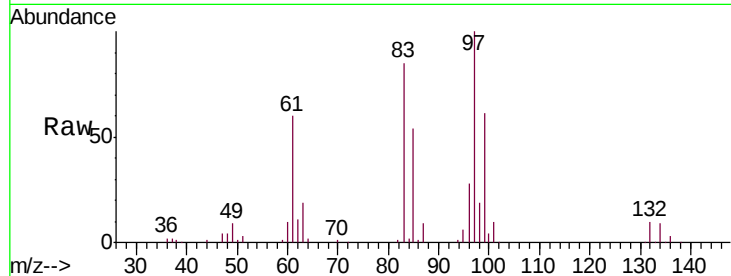




#45
 1,1,2-Trichloroethane
 Concen: 51.403 ug/L
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU026964.D
 Acq: 21 Sep 2018 03:36

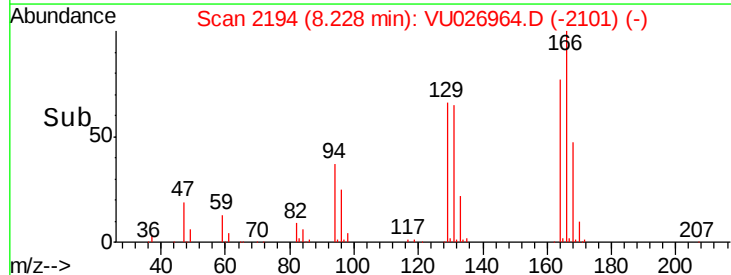
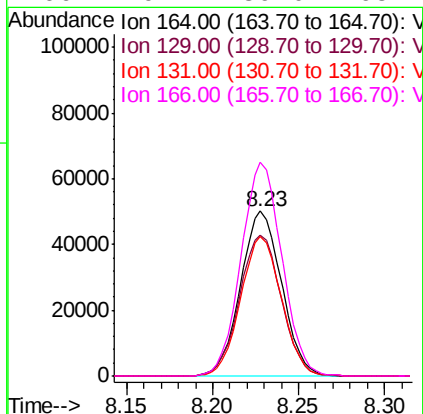
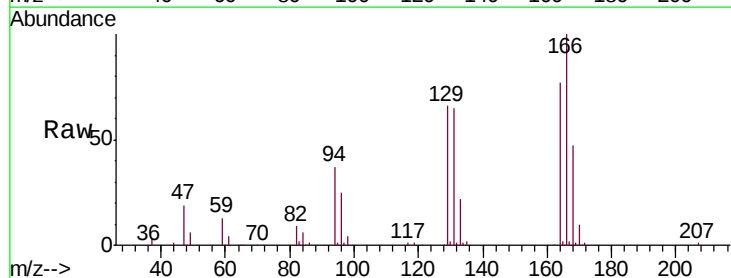
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

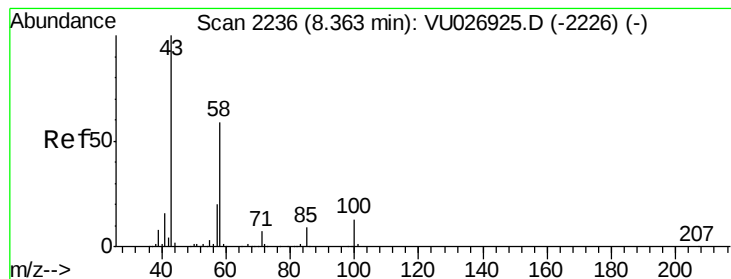
Tgt Ion:	97	Resp:	98485
Ion	Ratio	Lower	Upper
97	100		
99	61.3	44.3	82.3
83	85.1	61.5	114.1
85	54.3	38.6	71.6



#46
 Tetrachloroethene
 Concen: 51.133 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VU026964.D
 Acq: 21 Sep 2018 03:36

Tgt Ion:	164	Resp:	83212
Ion	Ratio	Lower	Upper
164	100		
129	85.3	62.2	115.4
131	84.6	60.5	112.5
166	129.7	89.0	165.2





#48

2-Hexanone

Concen: 102.773 ug/L

RT: 8.36 min Scan# 2236

Delta R.T. 0.00 min

Lab File: VU026964.D

Acq: 21 Sep 2018 03:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

Tgt Ion: 43 Resp: 207005

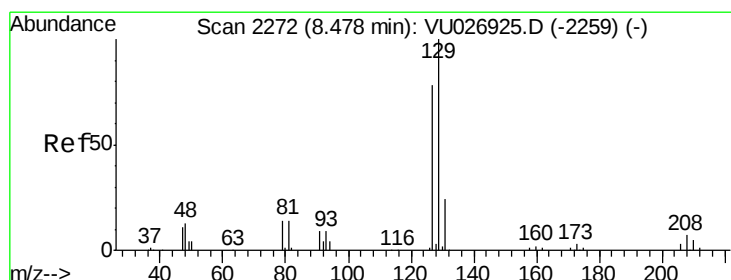
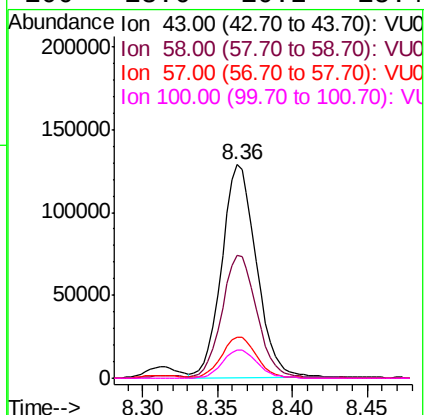
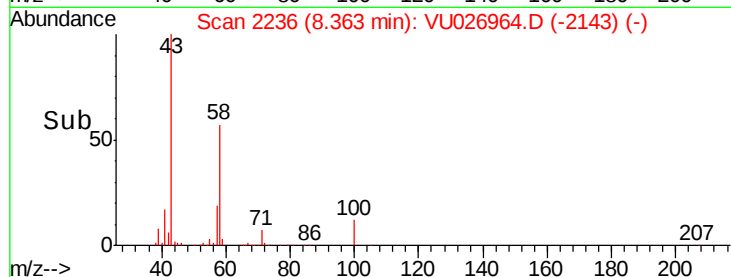
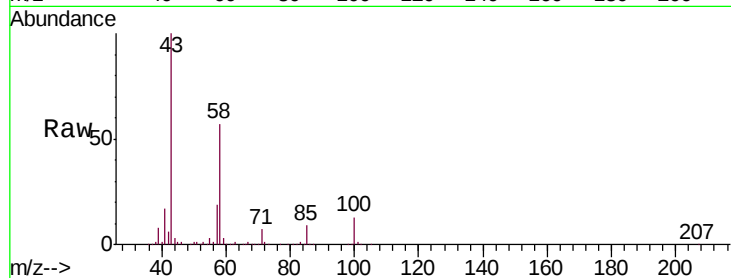
Ion Ratio Lower Upper

43 100

58 57.8 44.9 67.3

57 19.7 15.4 23.2

100 13.6 10.2 15.4



#49

Dibromochloromethane

Concen: 50.941 ug/L

RT: 8.48 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VU026964.D

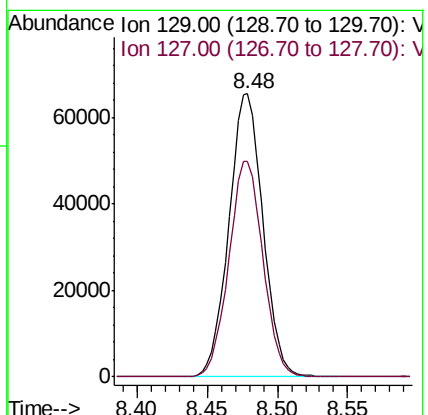
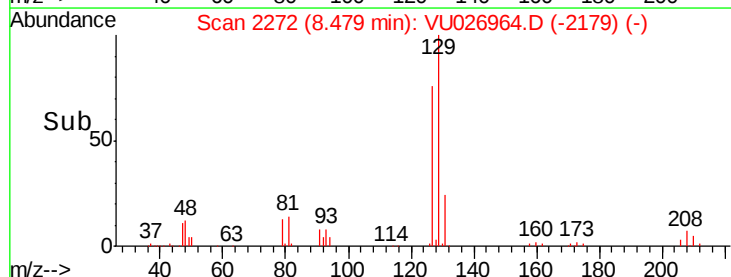
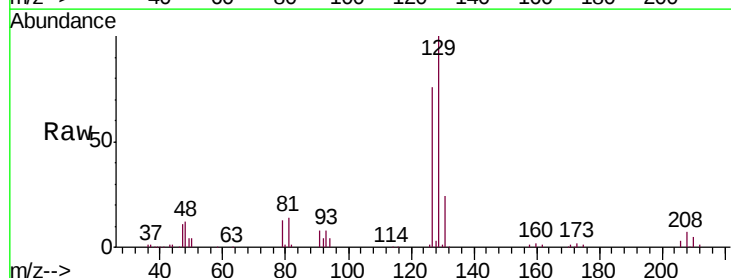
Acq: 21 Sep 2018 03:36

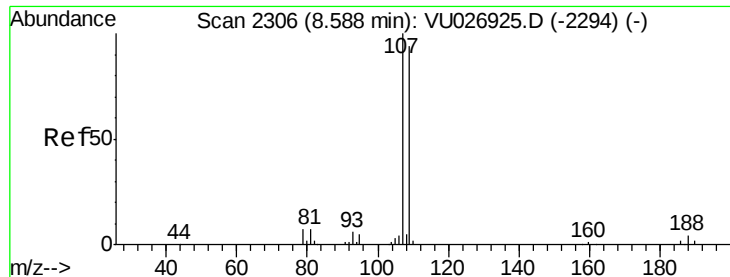
Tgt Ion: 129 Resp: 110479

Ion Ratio Lower Upper

129 100

127 76.3 55.2 102.4

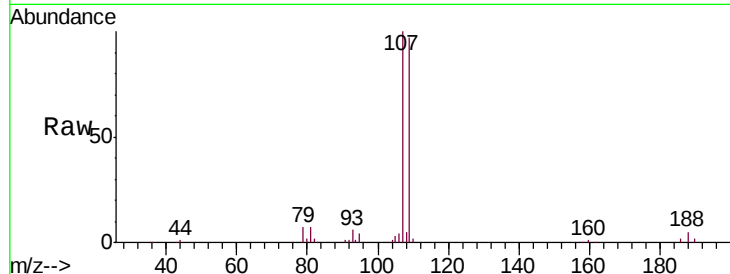




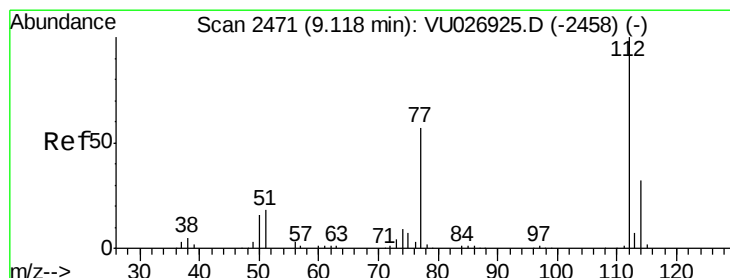
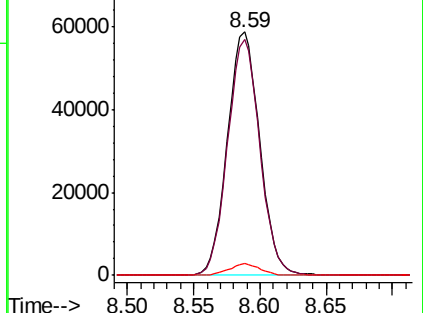
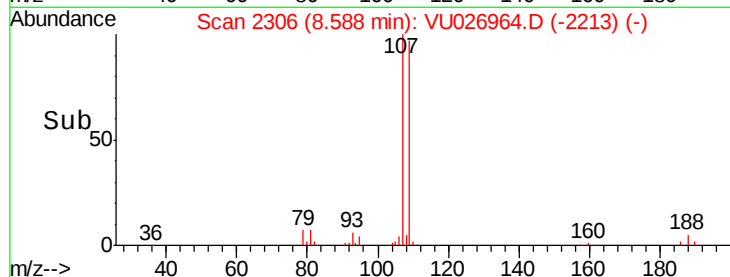
#50
1,2-Dibromoethane
Concen: 49.919 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU026964.D
Acq: 21 Sep 2018 03:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

Tgt Ion:107 Resp: 99710
Ion Ratio Lower Upper
107 100
109 96.9 67.8 125.8
188 4.9 3.2 4.8#

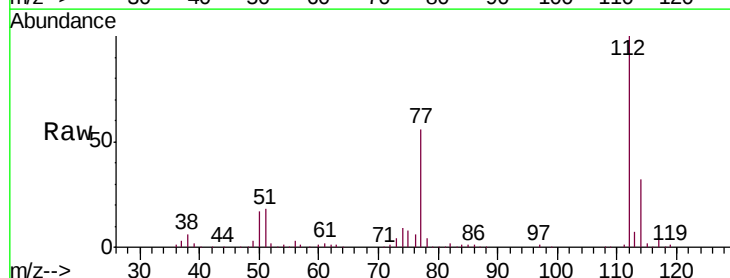


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

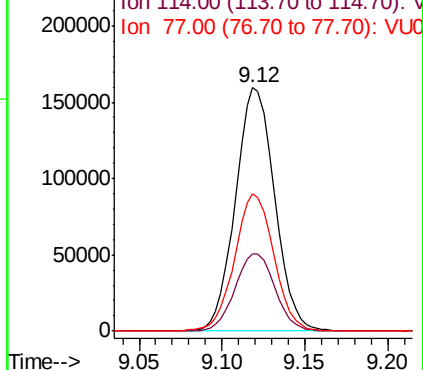
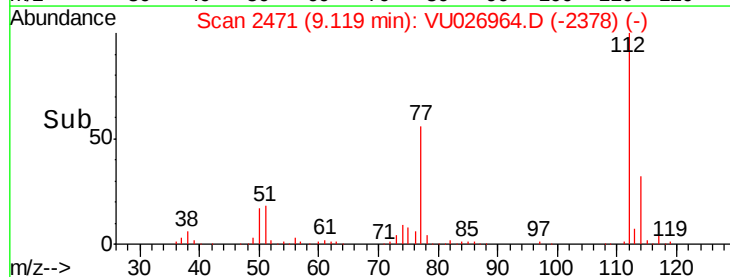


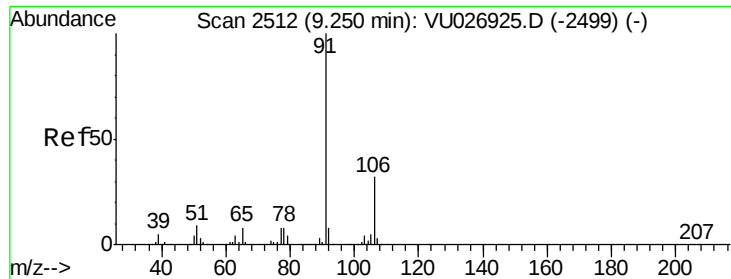
#51
Chlorobenzene
Concen: 50.016 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU026964.D
Acq: 21 Sep 2018 03:36

Tgt Ion:112 Resp: 262737
Ion Ratio Lower Upper
112 100
114 31.6 22.3 41.5
77 56.2 45.1 67.7



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

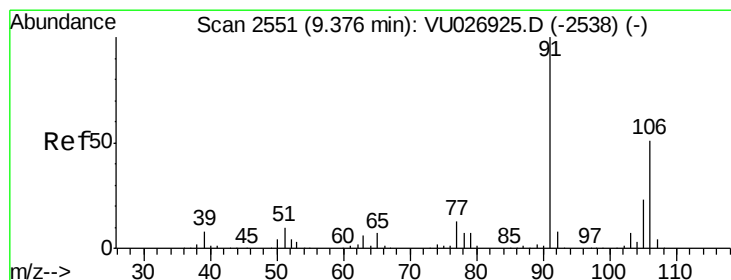
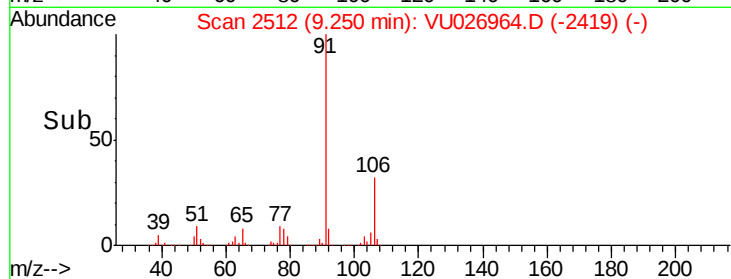
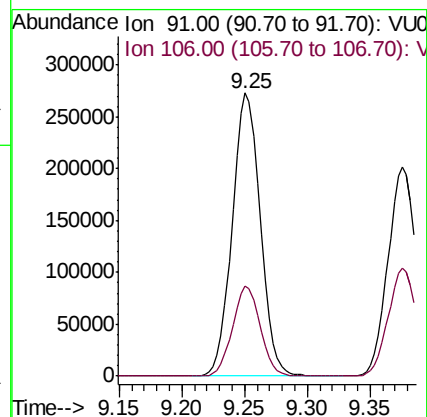
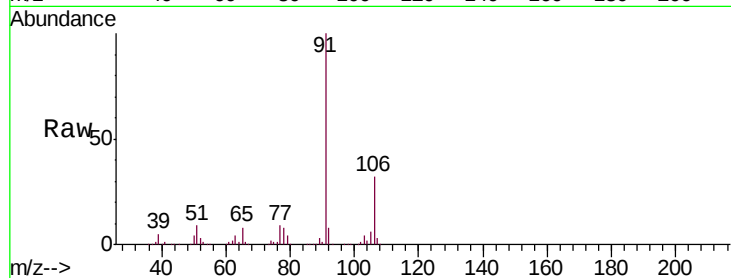




#52
Ethylbenzene
Concen: 52.204 ug/L
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU026964.D
Acq: 21 Sep 2018 03:36

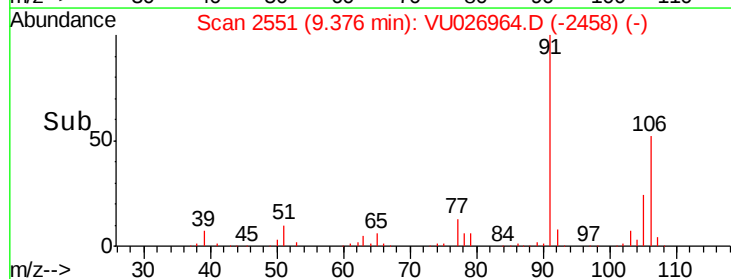
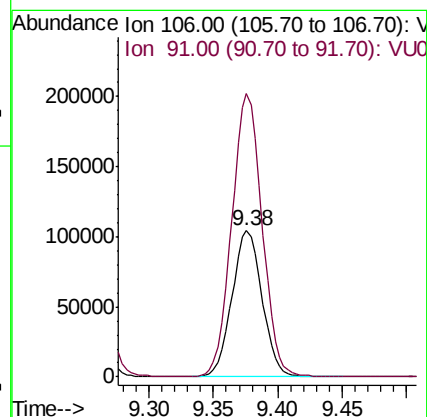
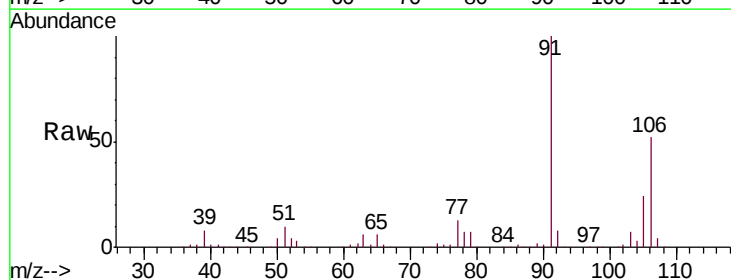
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

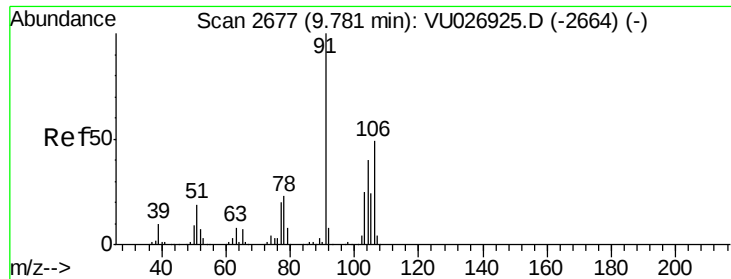
Tgt Ion: 91 Resp: 423346
Ion Ratio Lower Upper
91 100
106 31.7 22.0 40.8



#53
m,p-Xylene
Concen: 54.284 ug/L
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU026964.D
Acq: 21 Sep 2018 03:36

Tgt Ion: 106 Resp: 169229
Ion Ratio Lower Upper
106 100
91 193.7 139.2 258.6





#54

o-xylene

Concen: 55.114 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU026964.D

Acq: 21 Sep 2018 03:36

Instrument :

MSVOA_U

ClientSampleId :

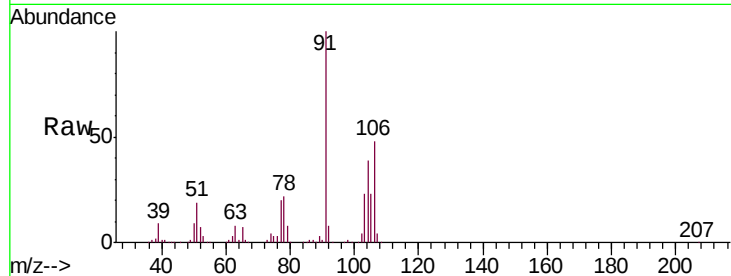
VSTD05053

Tgt Ion:106 Resp: 167411

Ion Ratio Lower Upper

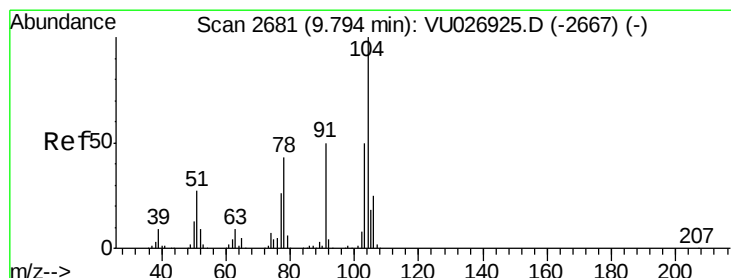
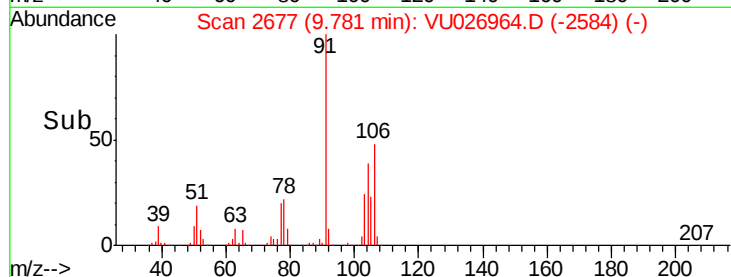
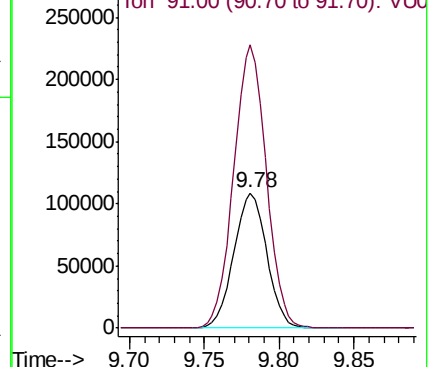
106 100

91 208.9 143.1 265.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 54.553 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU026964.D

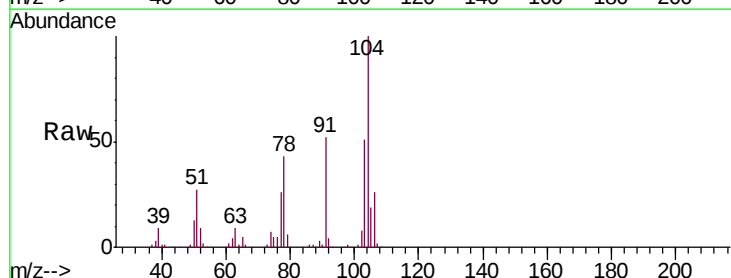
Acq: 21 Sep 2018 03:36

Tgt Ion:104 Resp: 286090

Ion Ratio Lower Upper

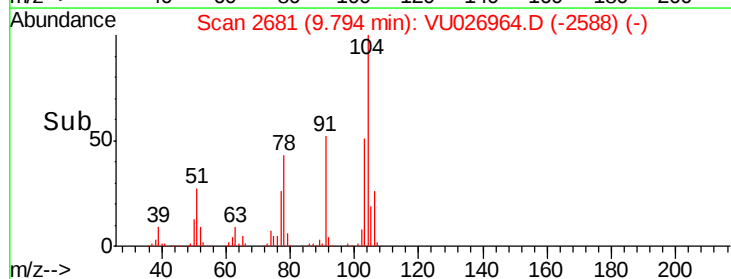
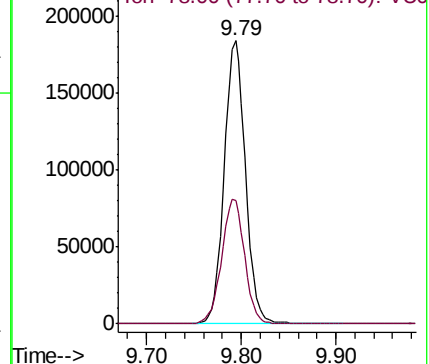
104 100

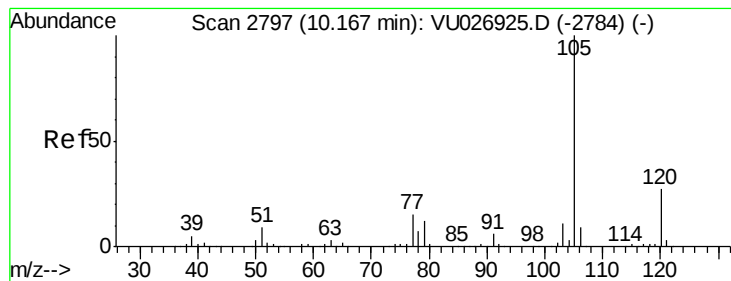
78 43.4 30.5 56.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 54.331 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU026964.D

Acq: 21 Sep 2018 03:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

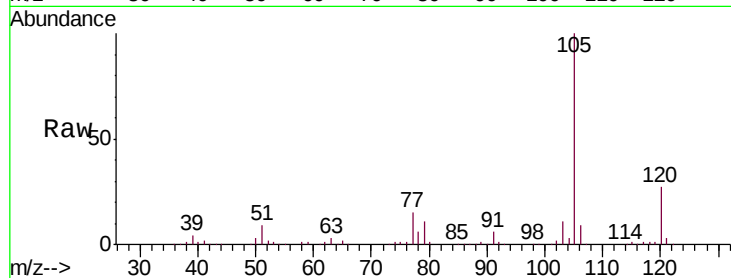
Tgt Ion: 105 Resp: 421556

Ion Ratio Lower Upper

105 100

120 27.0 21.4 32.2

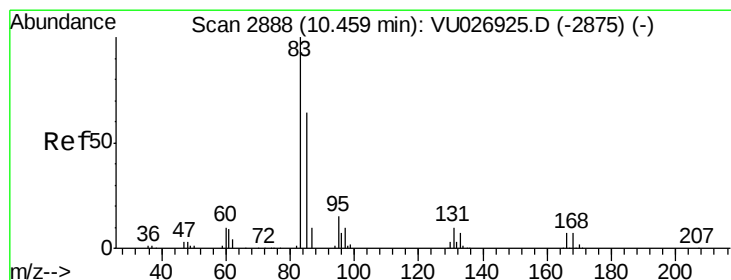
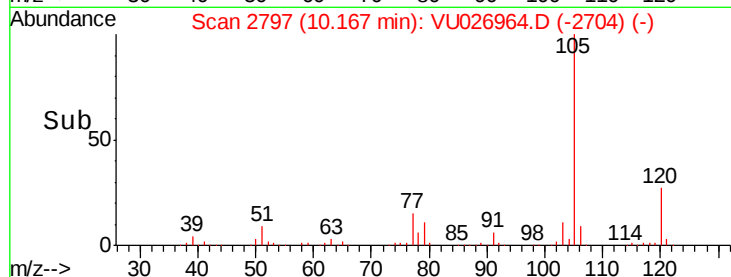
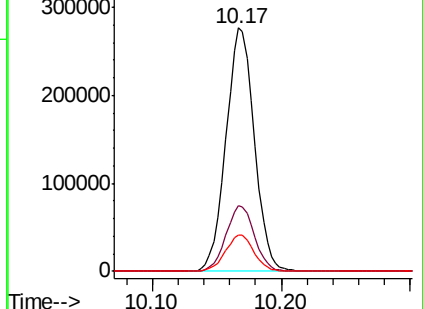
77 15.0 12.2 18.4



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: 50.529 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026964.D

Acq: 21 Sep 2018 03:36

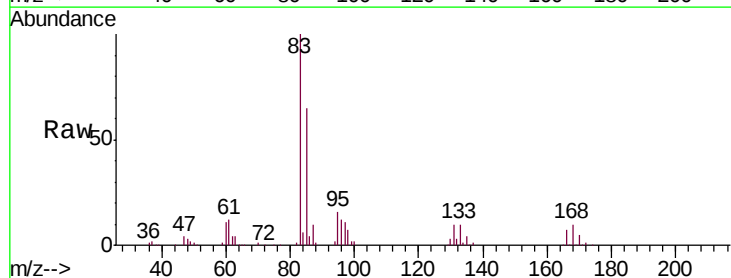
Tgt Ion: 83 Resp: 162833

Ion Ratio Lower Upper

83 100

85 65.4 45.4 84.2

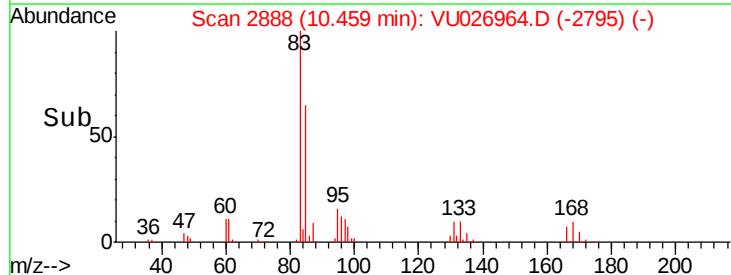
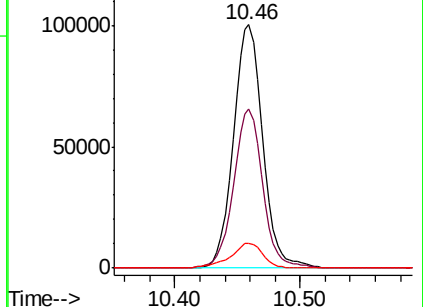
131 10.3 7.9 11.9

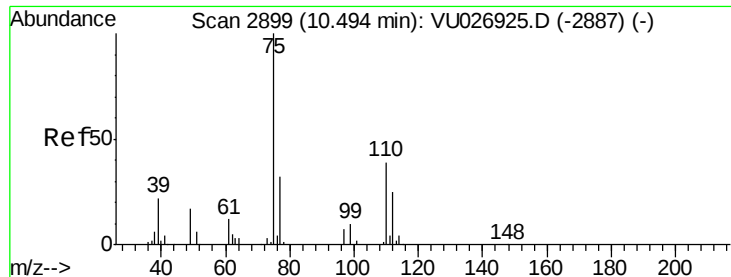


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.164 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU026964.D

Acq: 21 Sep 2018 03:36

Instrument :

MSVOA_U

ClientSampleId :

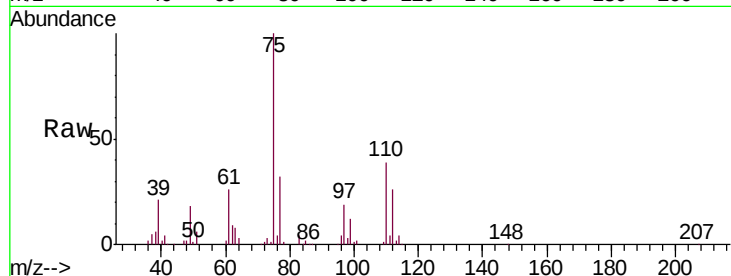
VSTD05053

Tgt Ion: 75 Resp: 126275

Ion Ratio Lower Upper

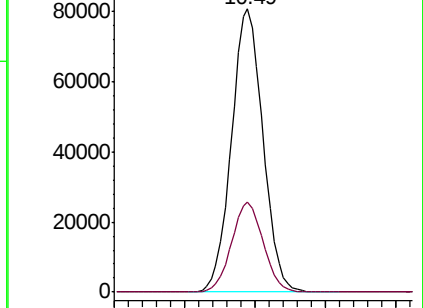
75 100

77 32.1 25.5 38.3

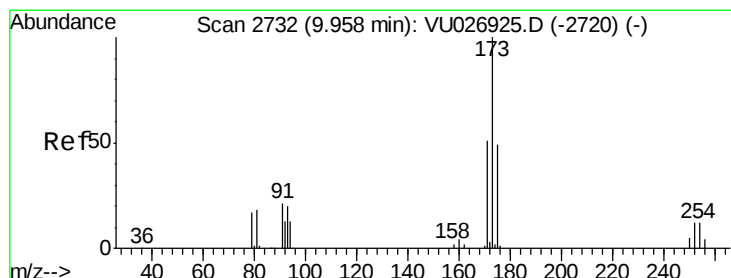
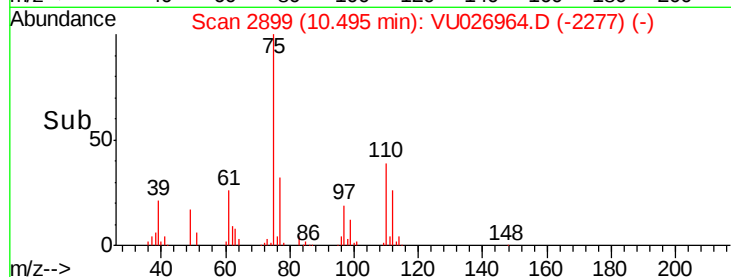


Abundance Ion 75.00 (74.70 to 75.70): VU026925.D (-2887) (-)

Ion 77.00 (76.70 to 77.70): VU026925.D (-2887) (-)



Time--> 10.40 10.45 10.50 10.55



#61

Bromoform

Concen: 50.211 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU026964.D

Acq: 21 Sep 2018 03:36

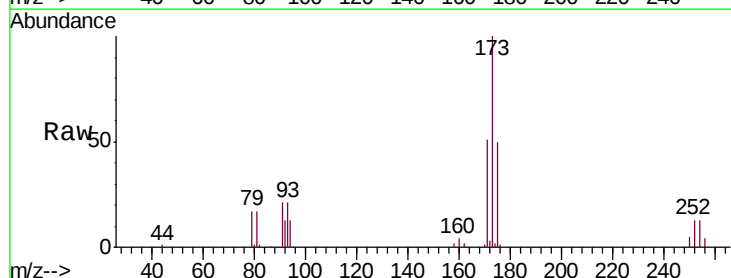
Tgt Ion: 173 Resp: 84486

Ion Ratio Lower Upper

173 100

175 48.8 38.6 57.8

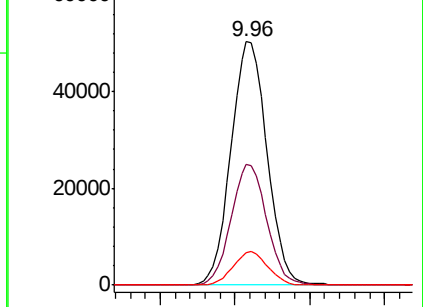
254 13.1 9.4 14.2



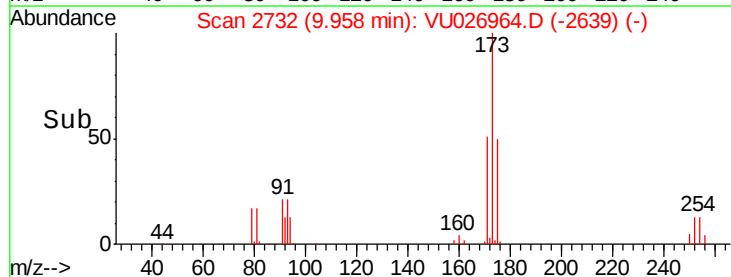
Abundance Ion 173.00 (172.70 to 173.70): VU026925.D (-2720) (-)

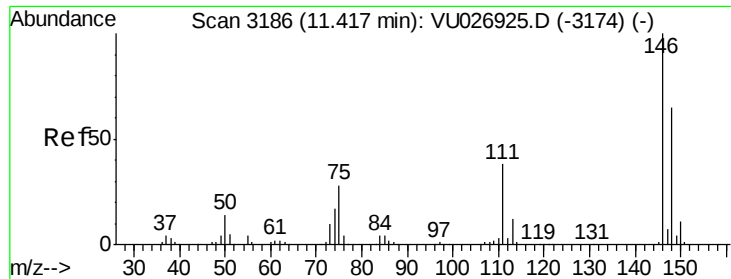
Ion 175.00 (174.70 to 175.70): VU026925.D (-2720) (-)

Ion 254.00 (253.70 to 254.70): VU026925.D (-2720) (-)



Time--> 9.90 9.95 10.00 10.05





#62

1,3-Dichlorobenzene

Concen: 51.041 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU026964.D

Acq: 21 Sep 2018 03:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

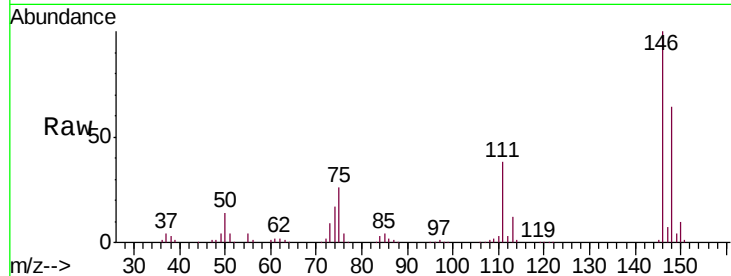
Tgt Ion:146 Resp: 199093

Ion Ratio Lower Upper

146 100

111 37.6 26.7 49.7

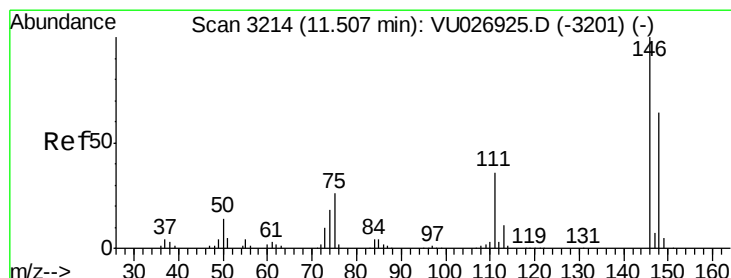
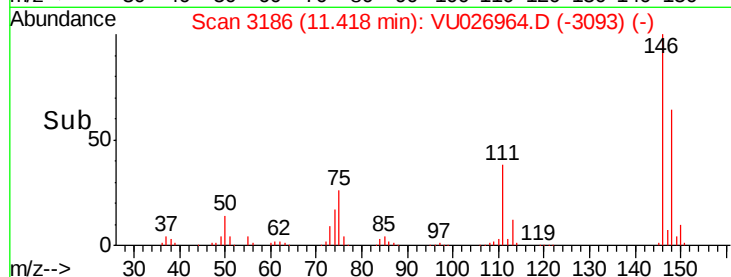
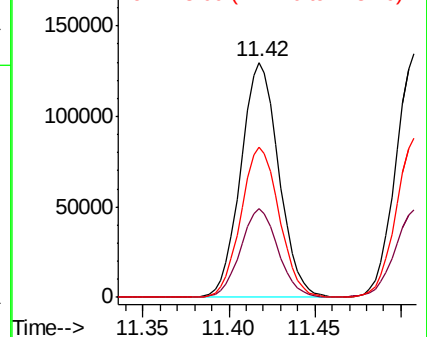
148 64.1 44.9 83.5



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



#63

1,4-Dichlorobenzene

Concen: 48.914 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU026964.D

Acq: 21 Sep 2018 03:36

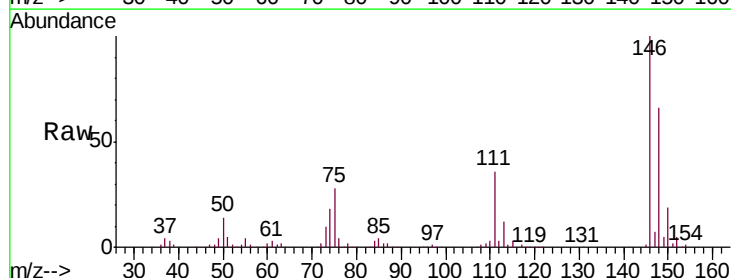
Tgt Ion:146 Resp: 210092

Ion Ratio Lower Upper

146 100

111 35.9 26.0 48.2

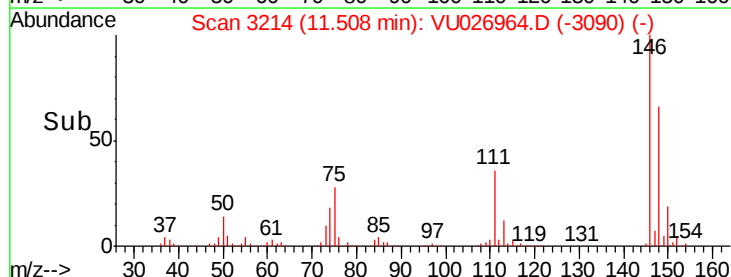
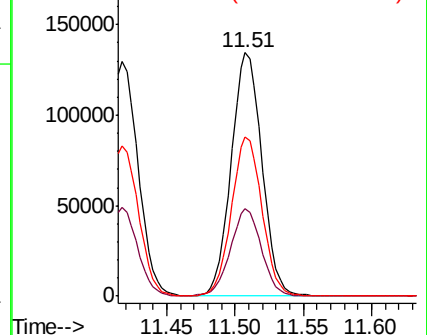
148 65.5 45.8 85.2

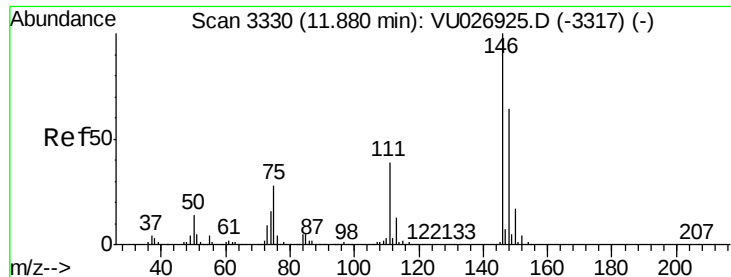


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 52.403 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026964.D

Acq: 21 Sep 2018 03:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

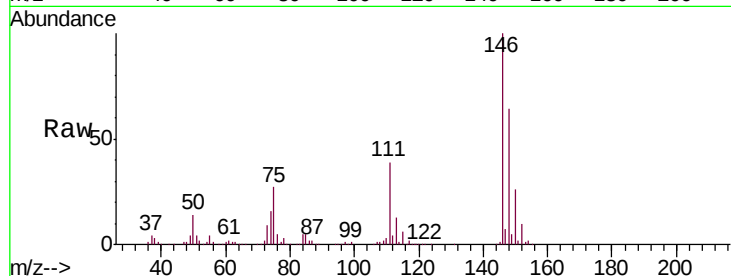
Tgt Ion: 146 Resp: 226332

Ion Ratio Lower Upper

146 100

111 39.0 31.4 47.0

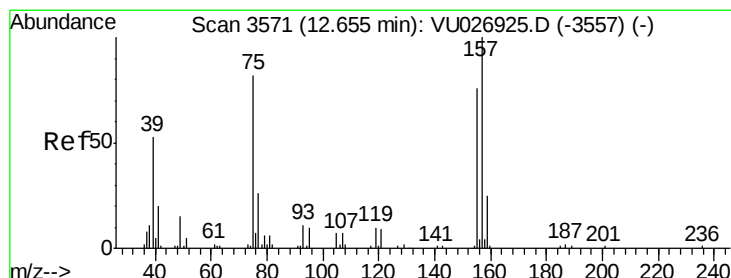
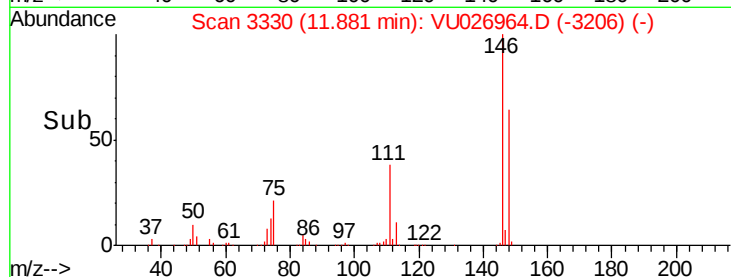
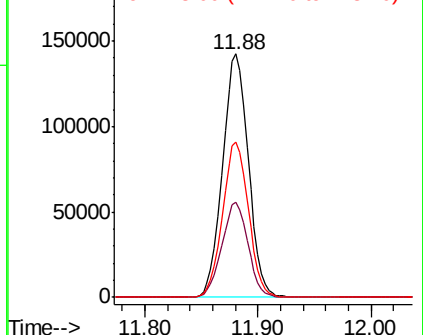
148 63.9 51.4 77.2



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: 47.426 ug/L

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU026964.D

Acq: 21 Sep 2018 03:36

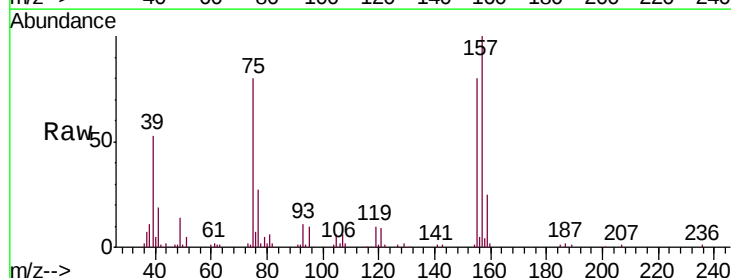
Tgt Ion: 75 Resp: 31075

Ion Ratio Lower Upper

75 100

155 99.4 69.5 104.3

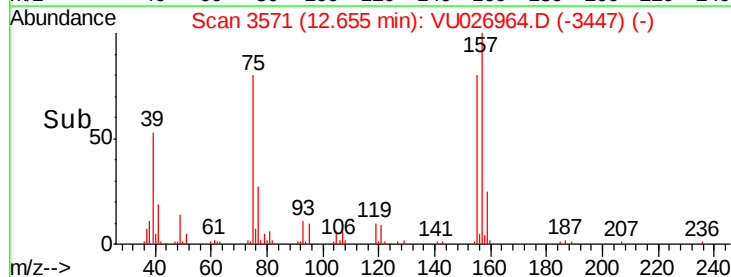
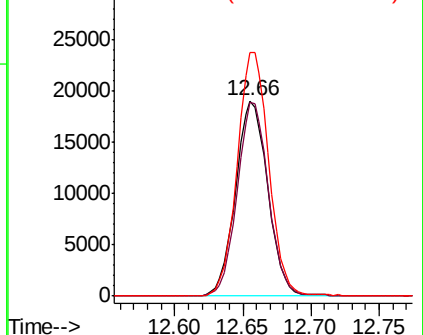
157 124.4 90.5 135.7

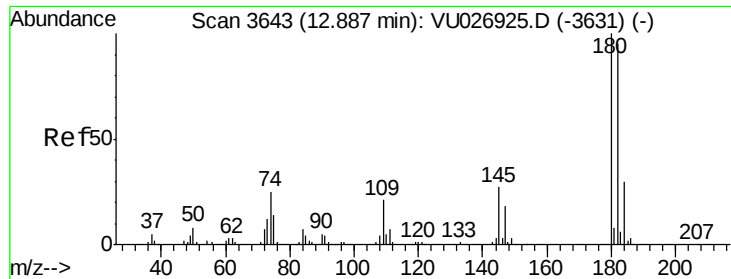


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

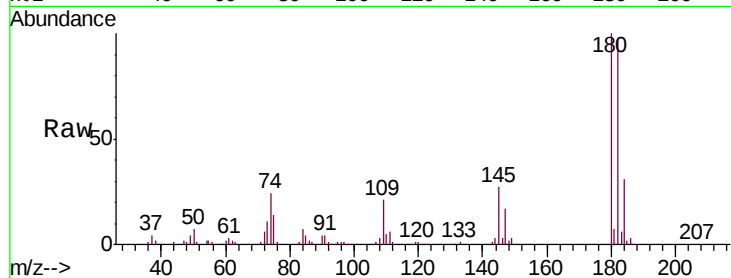




#67
 1,3,5-Trichlorobenzene
 Concen: 50.428 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU026964.D
 Acq: 21 Sep 2018 03:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Tgt Ion:	180	Resp:	152217
Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.7	115.1
184	30.7	24.2	36.4
145	26.9	21.8	32.6



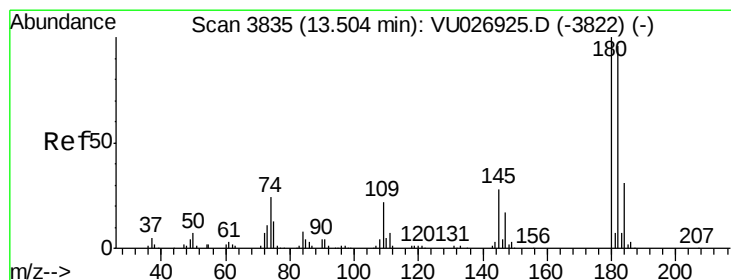
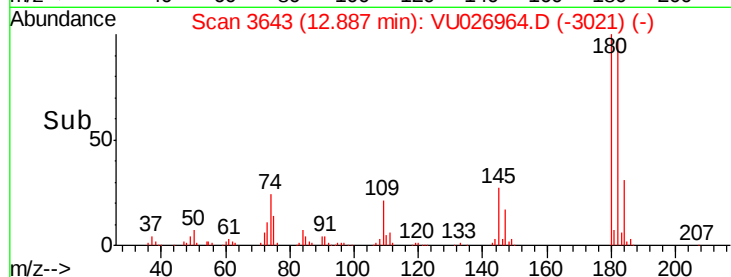
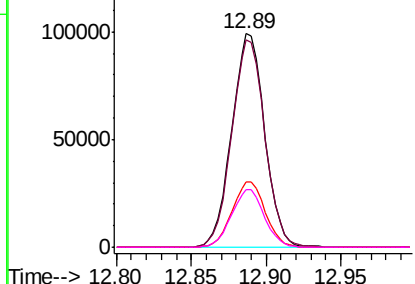
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

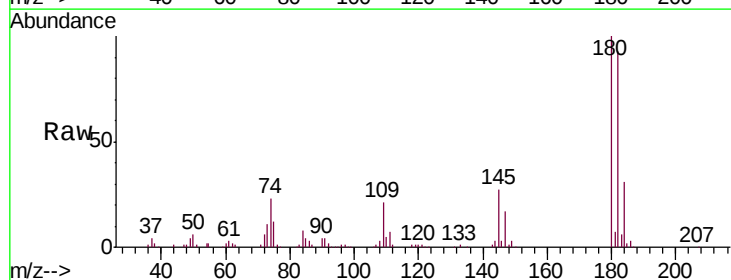
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 49.156 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026964.D
 Acq: 21 Sep 2018 03:36

Tgt Ion:	180	Resp:	127860
Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.8	115.2
145	27.6	22.2	33.2

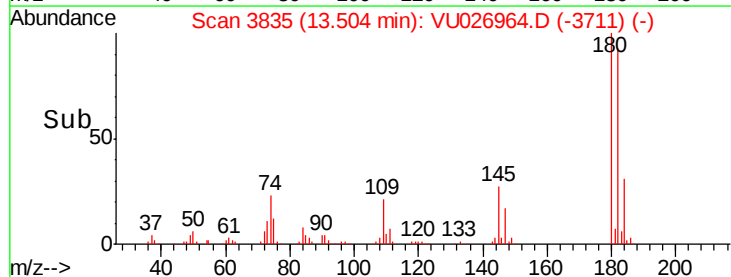
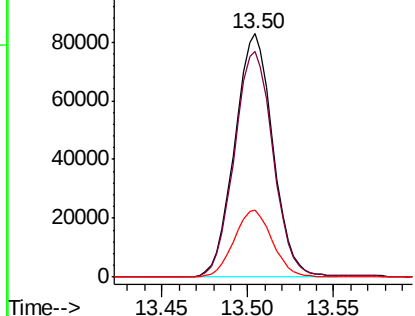


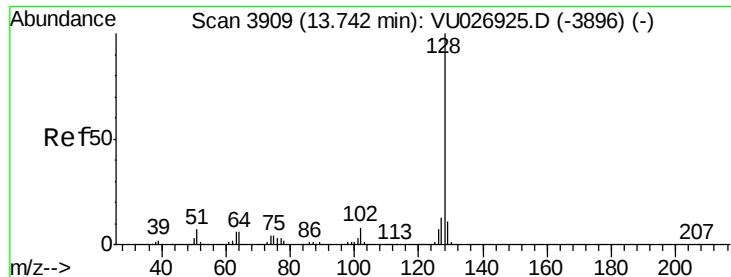
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 52.900 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU026964.D

Acq: 21 Sep 2018 03:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

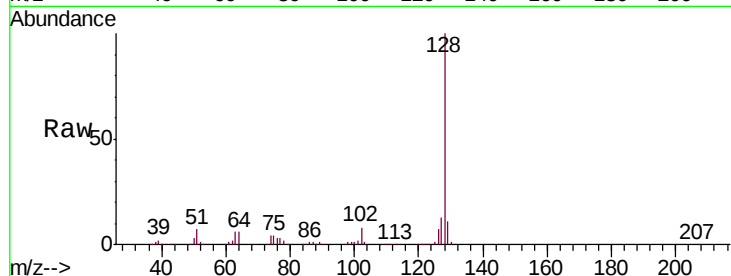
Tgt Ion:128 Resp: 405373

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

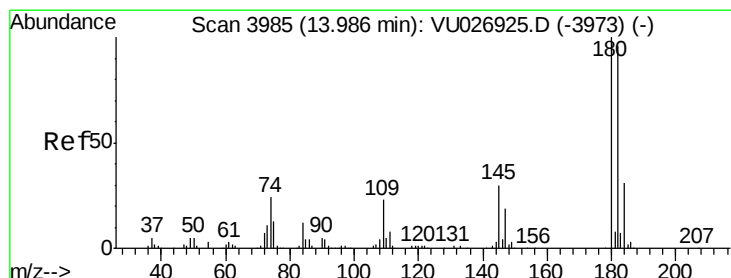
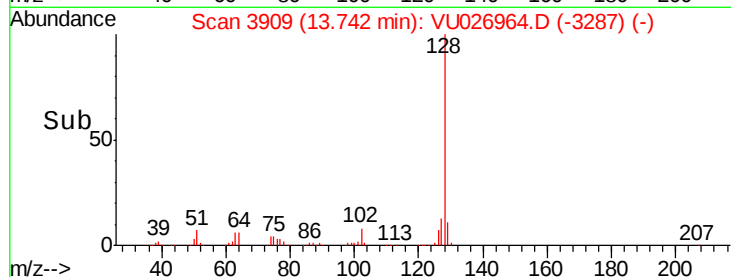
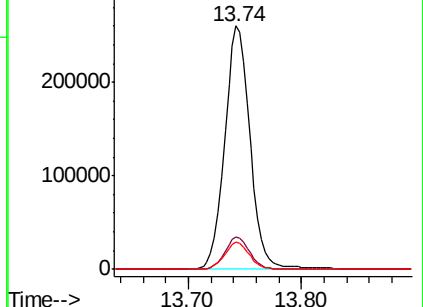
129 10.9 8.6 12.8



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: 51.539 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU026964.D

Acq: 21 Sep 2018 03:36

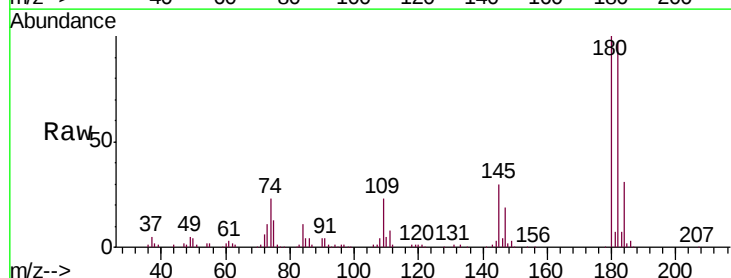
Tgt Ion:180 Resp: 147629

Ion Ratio Lower Upper

180 100

182 96.6 75.6 113.4

145 29.2 23.8 35.6



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

