

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082218\
 Data File : VU026240.D
 Acq On : 22 Aug 2018 11:42
 Operator : MD/SY
 Sample : VSTD01041
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01041

Quant Time: Aug 23 04:41:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 04:40:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	292309	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	282261	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	137629	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	18421	8.90	ug/L	0.00
7) Chloroethane-d5	1.68	69	15078	9.13	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	34778	8.85	ug/L	0.00
21) 2-Butanone-d5	4.18	46	27494	16.04	ug/L	0.00
24) Chloroform-d	4.65	84	40198	9.08	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	26253	8.82	ug/L	0.00
32) Benzene-d6	5.35	84	73929	8.65	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	23870	8.67	ug/L	0.00
41) Toluene-d8	7.57	98	67664	8.26	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	11735	8.39	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	18244	14.71	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	34970	8.67	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	28417	8.61	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	22049	8.703 ug/L	100
3) Chloromethane	1.33	50	20122	8.794 ug/L	97
5) Vinyl chloride	1.40	62	20863	9.482 ug/L	93
6) Bromomethane	1.63	94	13081	10.810 ug/L	100
8) Chloroethane	1.70	64	11962	9.033 ug/L	97
9) Trichlorofluoromethane	1.89	101	29655	9.343 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	15067	8.275 ug/L	97
12) 1,1-Dichloroethene	2.28	96	14857	8.900 ug/L	91
13) Acetone	2.32	43	23530	20.967 ug/L	100
14) Carbon disulfide	2.48	76	55009	9.739 ug/L	99
15) Methyl Acetate	2.62	43	20655	8.976 ug/L	97
16) Methylene chloride	2.70	84	20381	9.392 ug/L	96
17) trans-1,2-Dichloroethene	2.99	96	18018	9.523 ug/L	94
18) Methyl tert-butyl Ether	3.00	73	51695	8.376 ug/L	96
19) 1,1-Dichloroethane	3.45	63	33843	9.194 ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	19753	9.072 ug/L	97
22) 2-Butanone	4.27	43	28086	17.646 ug/L	94
23) Bromochloromethane	4.56	128	11013	9.487 ug/L	90
25) Chloroform	4.68	83	36360	9.528 ug/L	97
27) 1,2-Dichloroethane	5.41	62	29016	9.265 ug/L	100
29) Cyclohexane	5.00	56	23877	7.582 ug/L #	93
30) 1,1,1-Trichloroethane	4.92	97	31444	8.821 ug/L	100
31) Carbon tetrachloride	5.14	117	29473	9.055 ug/L	97
33) Benzene	5.39	78	71749	8.864 ug/L	100
34) Trichloroethene	6.19	95	18784	8.926 ug/L	96
35) Methylcyclohexane	6.42	83	24449	7.549 ug/L	95
37) 1,2-Dichloropropane	6.44	63	19370	8.758 ug/L #	95
38) Bromodichloromethane	6.76	83	26720	9.077 ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	28274	8.497 ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	48061	16.125 ug/L	96

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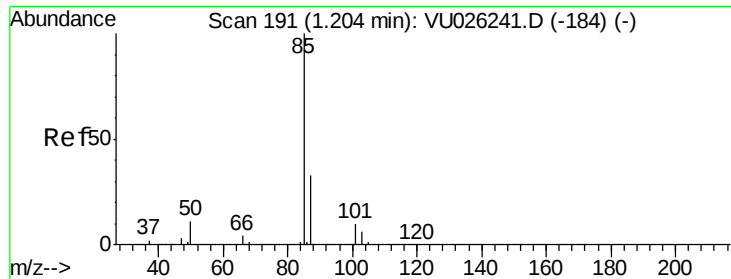
Instrument :
 MSVOA_U
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	72463	8.442	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	26737	8.384	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	18930	9.017	ug/L	97
46) Tetrachloroethene	8.23	164	15691	8.739	ug/L	94
48) 2-Hexanone	8.36	43	36731	15.699	ug/L	96
49) Dibromochloromethane	8.48	129	22248	8.756	ug/L	99
50) 1,2-Dibromoethane	8.59	107	20759	9.045	ug/L	99
51) Chlorobenzene	9.12	112	51153	8.864	ug/L	98
52) Ethylbenzene	9.25	91	74719	7.968	ug/L	98
53) m,p-Xylene	9.38	106	27733	7.717	ug/L	90
54) o-xylene	9.78	106	28351	7.977	ug/L	91
55) Styrene	9.80	104	45854	7.708	ug/L	98
56) Isopropylbenzene	10.17	105	71331	7.810	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	31352	8.790	ug/L	97
59) 1,2,3-Trichloropropane	10.50	75	24115	8.531	ug/L	95
61) Bromoform	9.96	173	16620	8.917	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	36135	8.401	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	39679	8.804	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	41460	9.076	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	7215	9.053	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	27278	8.444	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	21916	7.962	ug/L	99
69) Naphthalene	13.74	128	64584	7.363	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	25611	8.689	ug/L	95

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

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#2

Dichlorodifluoromethane

Concen: 8.703 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU026240.D

Acq: 22 Aug 2018 11:42

Instrument :

MSVOA_U

ClientSampleId :

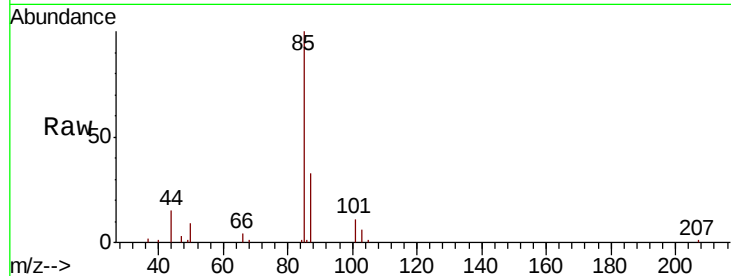
VSTD01041

Tgt Ion: 85 Resp: 22049

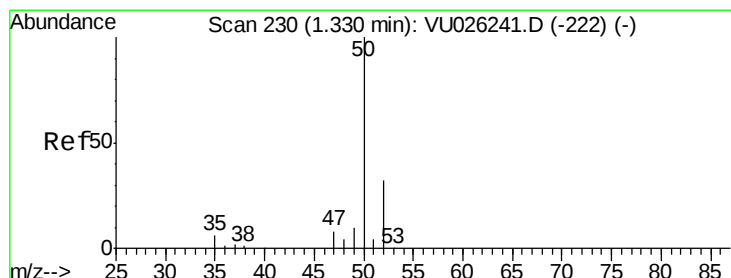
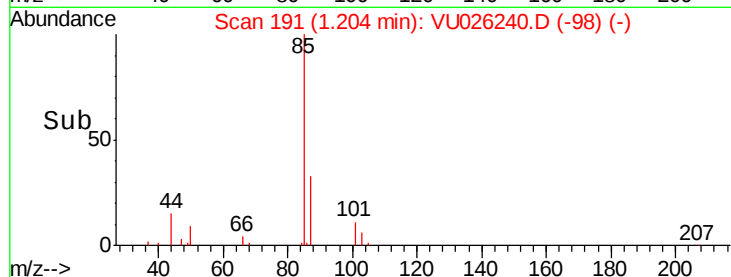
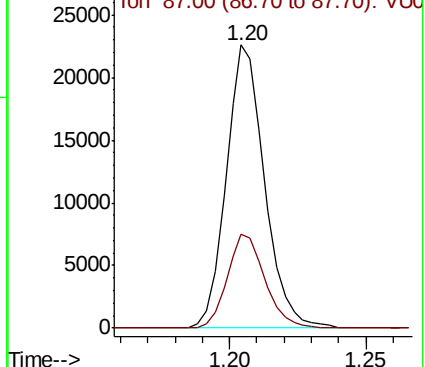
Ion Ratio Lower Upper

85 100

87 32.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU026240.D (-98) (-)



#3

Chloromethane

Concen: 8.794 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU026240.D

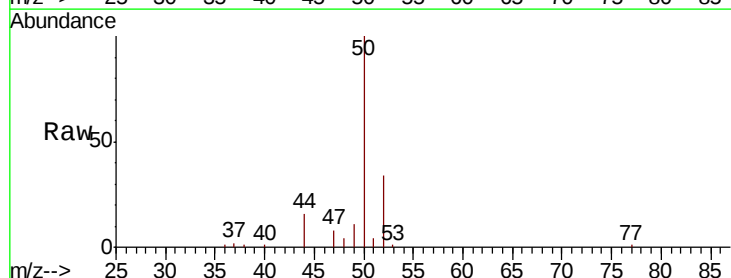
Acq: 22 Aug 2018 11:42

Tgt Ion: 50 Resp: 20122

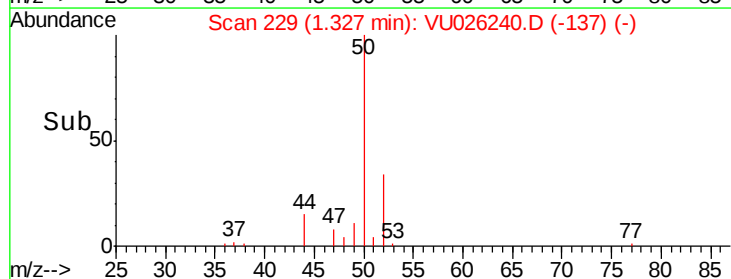
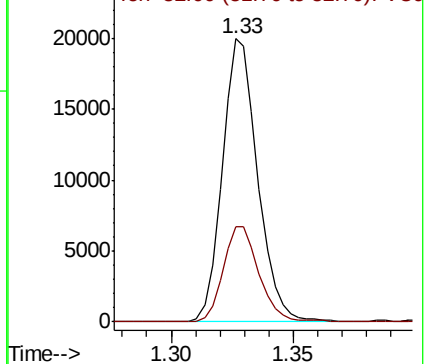
Ion Ratio Lower Upper

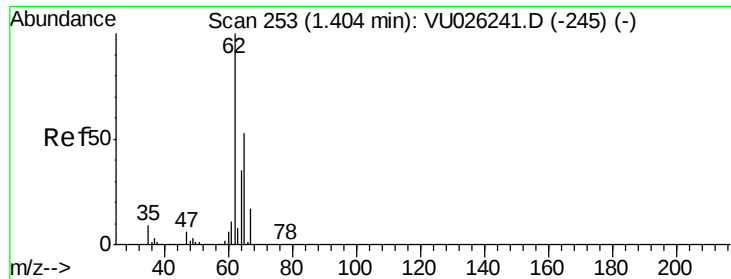
50 100

52 33.7 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VU026240.D (-137) (-)





#5

Vinyl chloride

Concen: 9.482 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU026240.D

Acq: 22 Aug 2018 11:42

Instrument :

MSVOA_U

ClientSampleId :

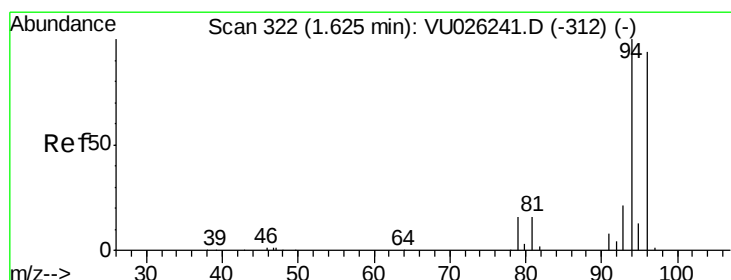
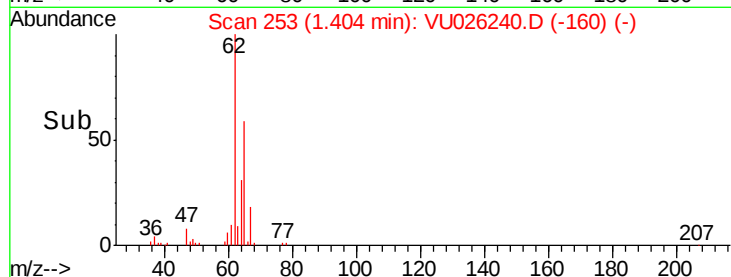
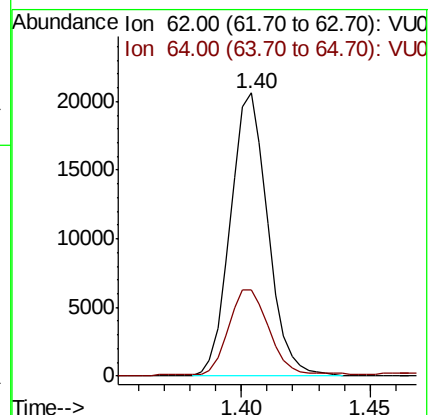
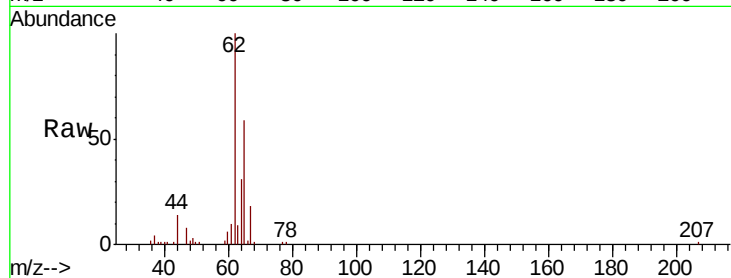
VSTD01041

Tgt Ion: 62 Resp: 20863

Ion Ratio Lower Upper

62 100

64 30.6 24.2 45.0



#6

Bromomethane

Concen: 10.810 ug/L

RT: 1.63 min Scan# 324

Delta R.T. 0.01 min

Lab File: VU026240.D

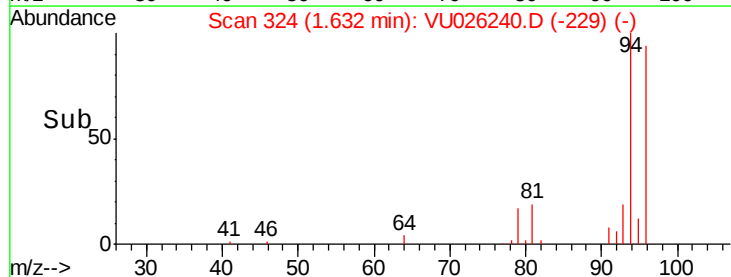
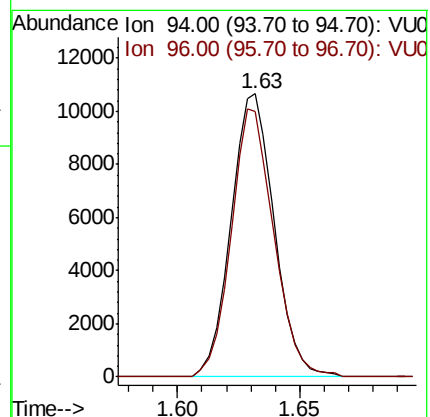
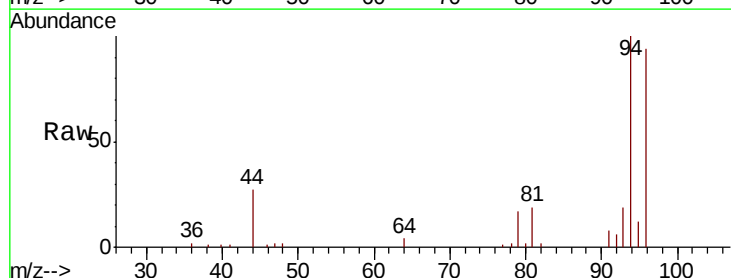
Acq: 22 Aug 2018 11:42

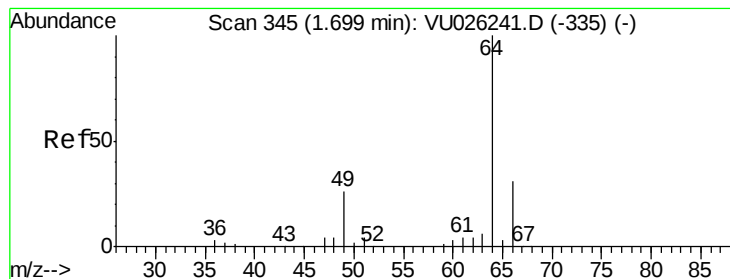
Tgt Ion: 94 Resp: 13081

Ion Ratio Lower Upper

94 100

96 93.8 65.9 122.3





#8

Chloroethane

Concen: 9.033 ug/L

RT: 1.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026240.D

Acq: 22 Aug 2018 11:42

Instrument :

MSVOA_U

ClientSampleId :

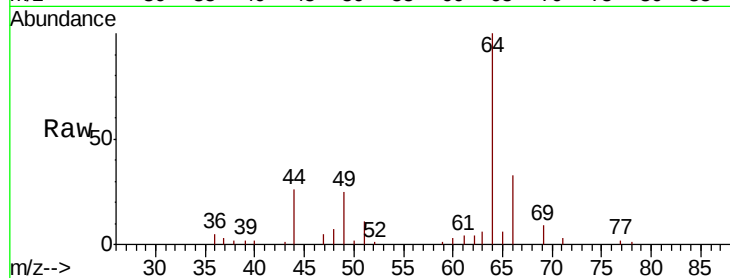
VSTD01041

Tgt Ion: 64 Resp: 11962

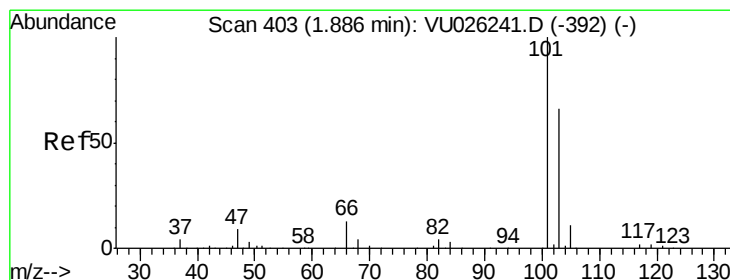
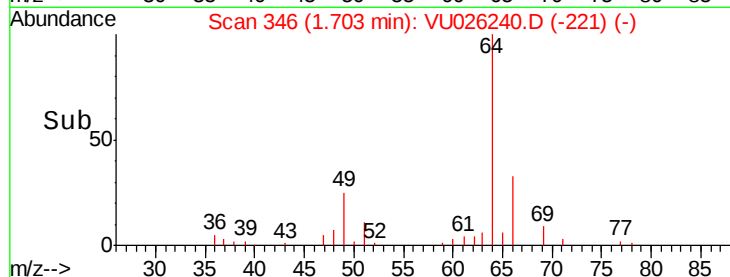
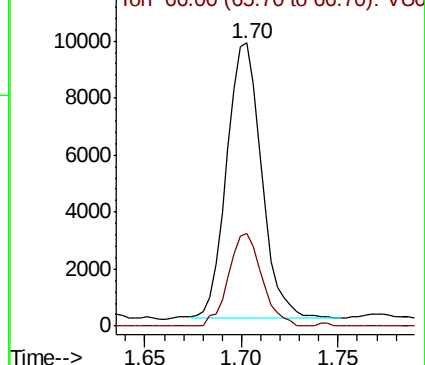
Ion Ratio Lower Upper

64 100

66 32.9 21.9 40.7



Abundance Ion 64.00 (63.70 to 64.70): VU026240.D (-335) (-)



#9

Trichlorofluoromethane

Concen: 9.343 ug/L

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU026240.D

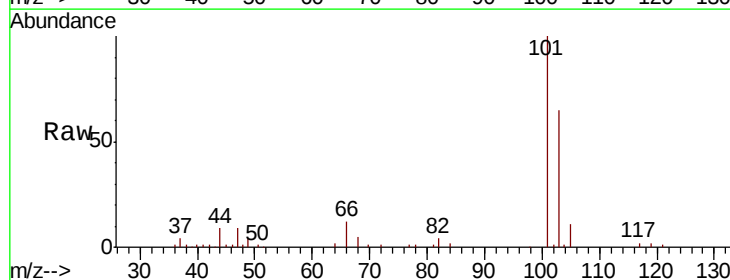
Acq: 22 Aug 2018 11:42

Tgt Ion: 101 Resp: 29655

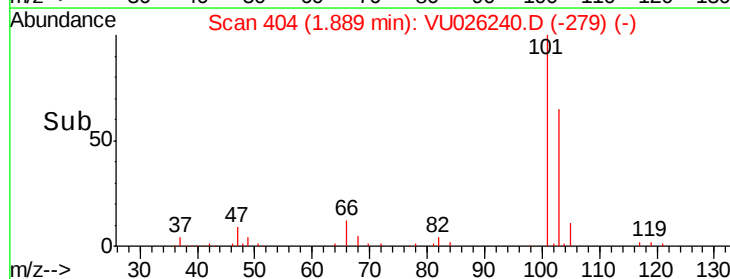
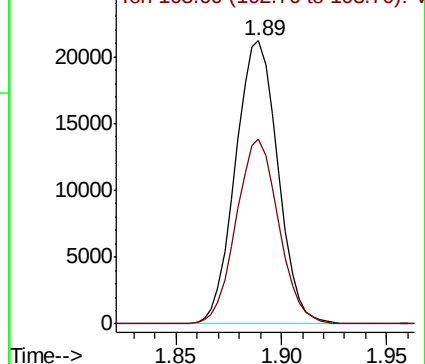
Ion Ratio Lower Upper

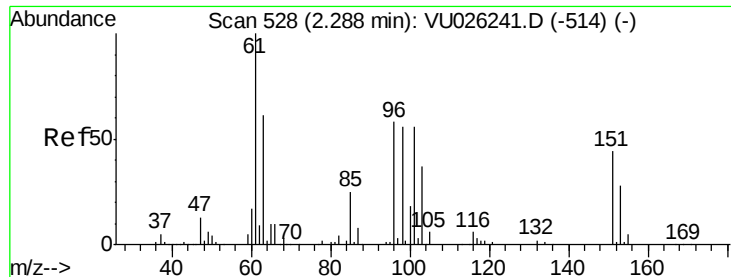
101 100

103 65.3 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VU026240.D (-279) (-)





#10

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

Concen: 8.275 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026240.D

Acq: 22 Aug 2018 11:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD01041

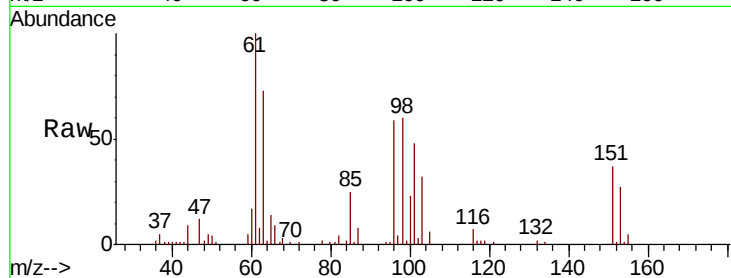
Tgt Ion: 101 Resp: 15067

Ion Ratio Lower Upper

101 100

85 47.5 35.8 53.6

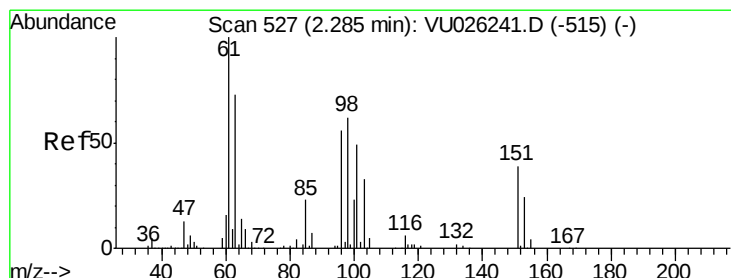
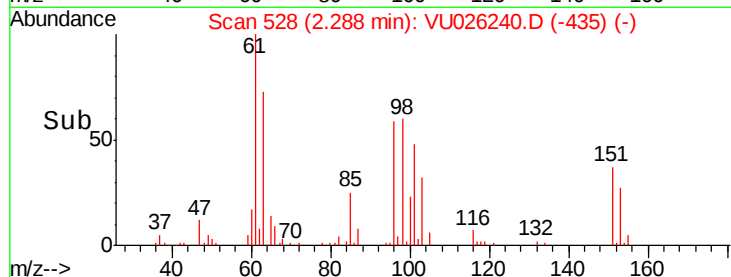
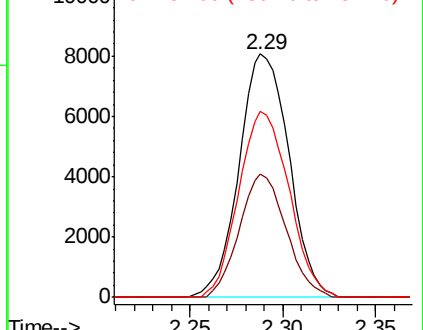
151 77.0 63.3 94.9



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: 8.900 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026240.D

Acq: 22 Aug 2018 11:42

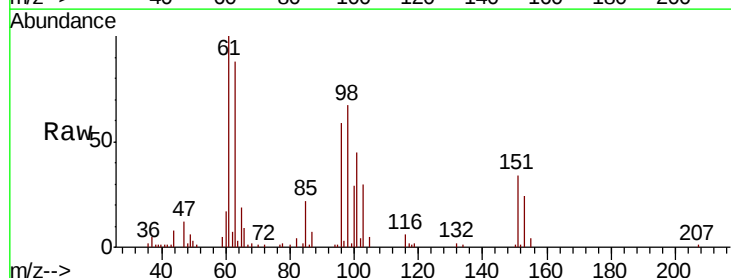
Tgt Ion: 96 Resp: 14857

Ion Ratio Lower Upper

96 100

61 170.6 124.7 231.5

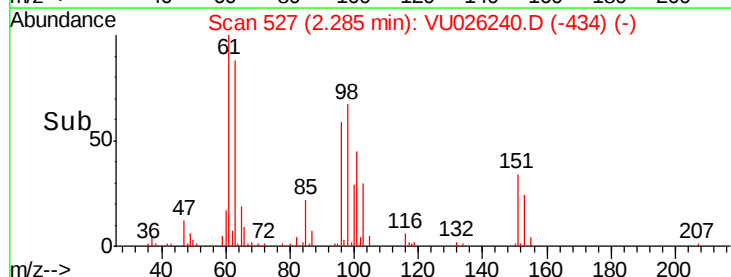
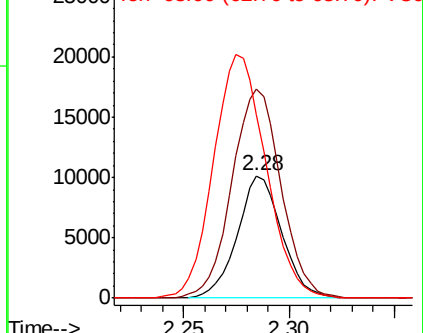
63 149.6 93.7 174.1

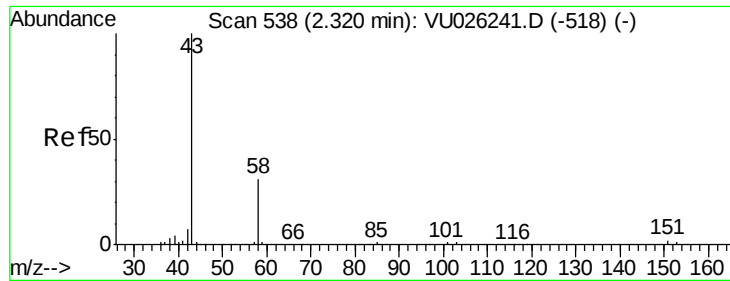


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 20.967 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

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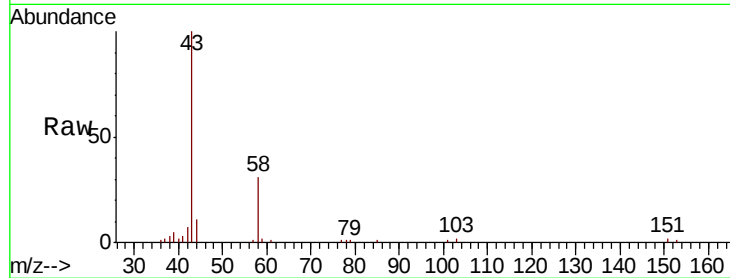
VSTD01041

Tgt Ion: 43 Resp: 23530

Ion Ratio Lower Upper

43 100

58 30.6 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU026240.D (-445) (-)

Ion 58.00 (57.70 to 58.70): VU026240.D (-445) (-)

2.32

15000

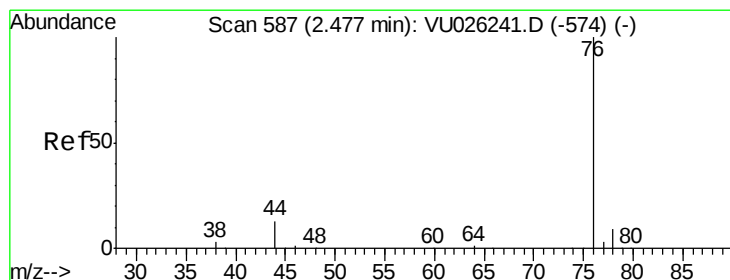
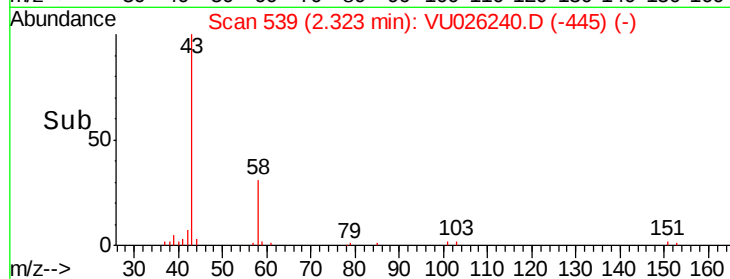
10000

5000

0

Time-->

2.25 2.30 2.35 2.40



#14

Carbon disulfide

Concen: 9.739 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU026240.D

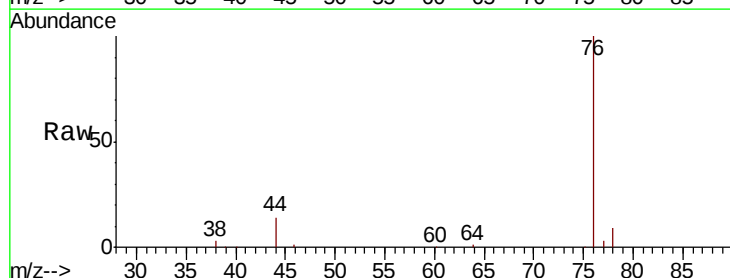
Acq: 22 Aug 2018 11:42

Tgt Ion: 76 Resp: 55009

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU026240.D (-494) (-)

Ion 78.00 (77.70 to 78.70): VU026240.D (-494) (-)

2.48

40000

30000

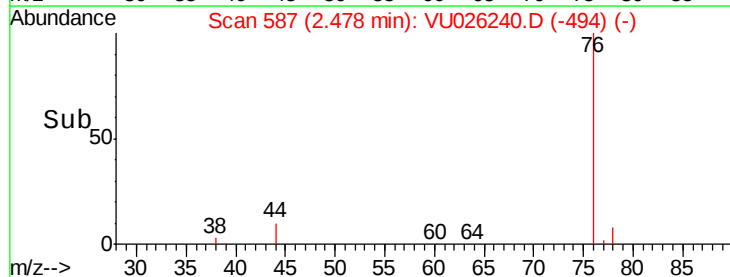
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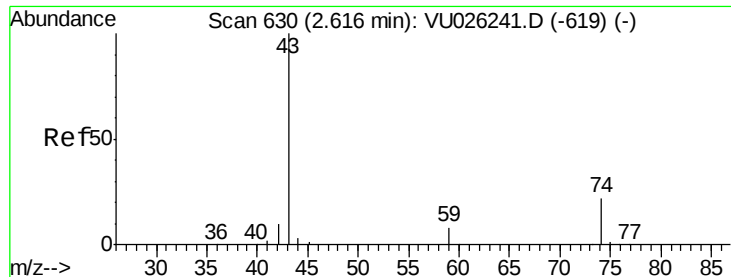
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Time-->

2.40 2.45 2.50 2.55

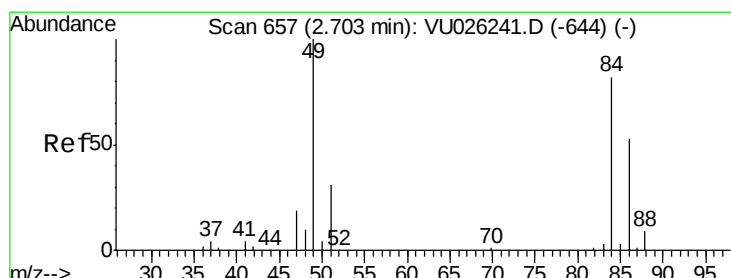
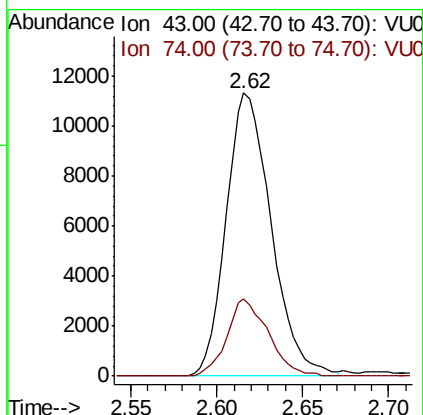
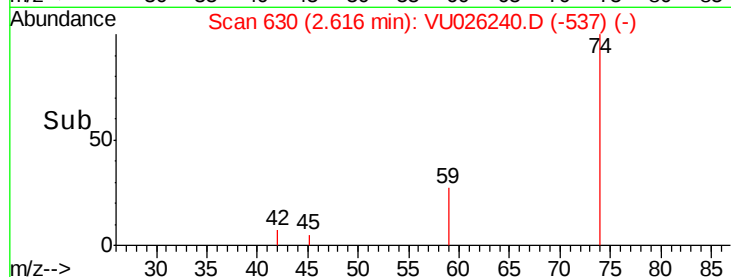
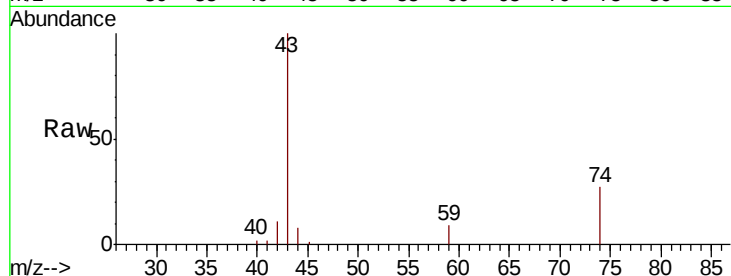




#15
Methyl Acetate
Concen: 8.976 ug/L
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU026240.D
Acq: 22 Aug 2018 11:42

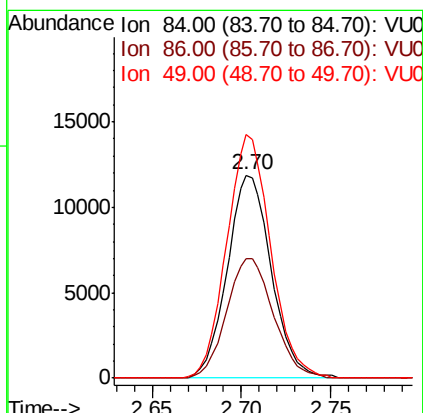
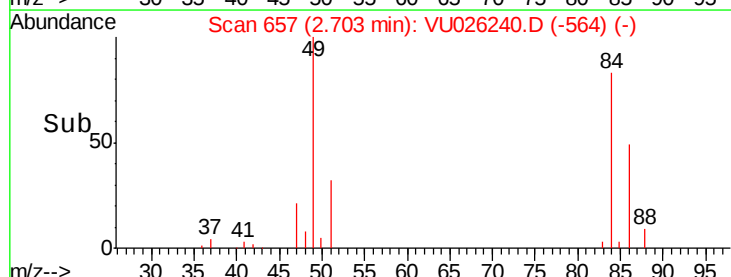
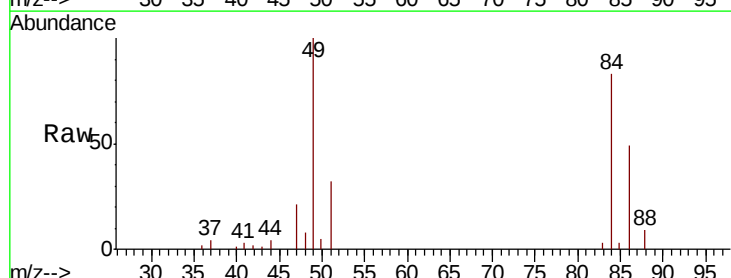
Instrument :
MSVOA_U
ClientSampleId :
VSTD01041

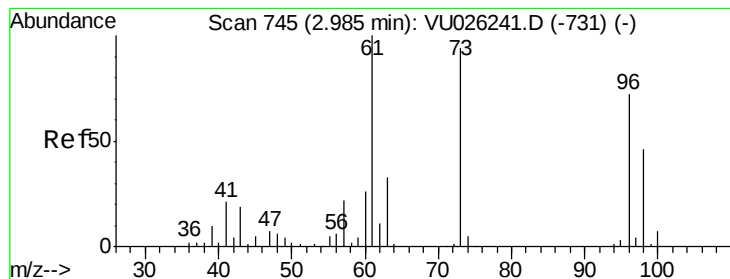
Tgt Ion: 43 Resp: 20655
Ion Ratio Lower Upper
43 100
74 24.7 18.6 27.8



#16
Methylene chloride
Concen: 9.392 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU026240.D
Acq: 22 Aug 2018 11:42

Tgt Ion: 84 Resp: 20381
Ion Ratio Lower Upper
84 100
86 58.8 45.4 84.4
49 119.8 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 9.523 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU026240.D

Acq: 22 Aug 2018 11:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD01041

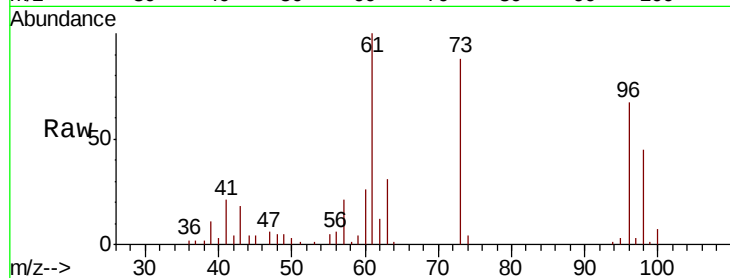
Tgt Ion: 96 Resp: 18018

Ion Ratio Lower Upper

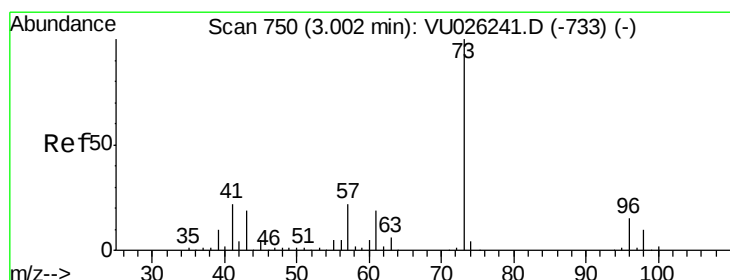
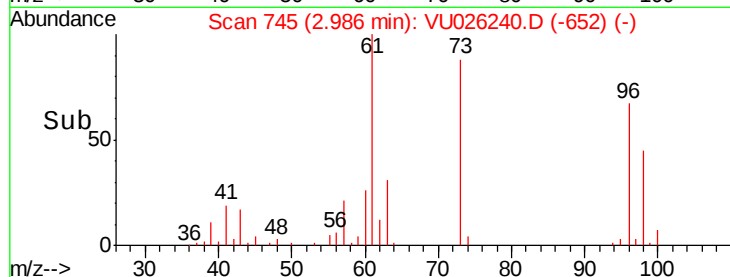
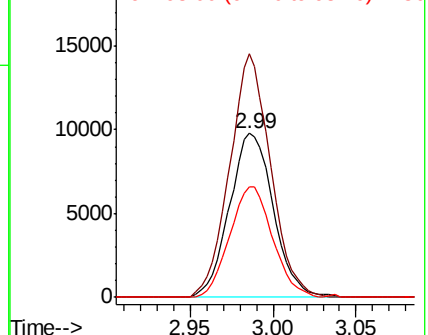
96 100

61 148.5 97.9 181.9

98 67.4 45.1 83.7



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: 8.376 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU026240.D

Acq: 22 Aug 2018 11:42

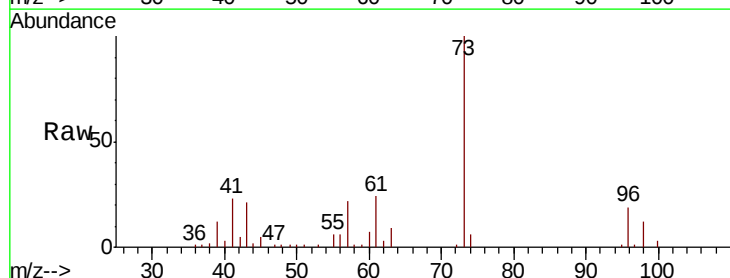
Tgt Ion: 73 Resp: 51695

Ion Ratio Lower Upper

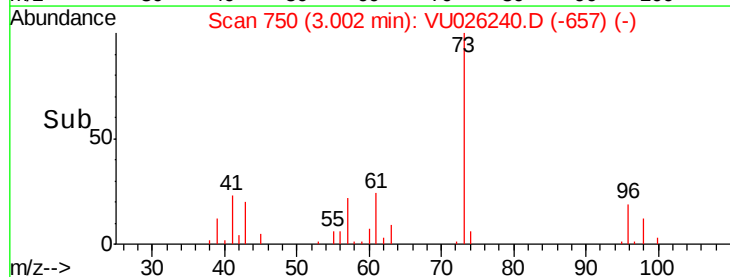
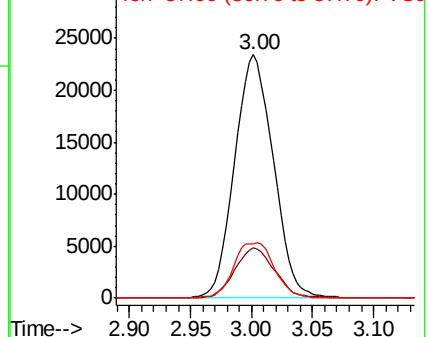
73 100

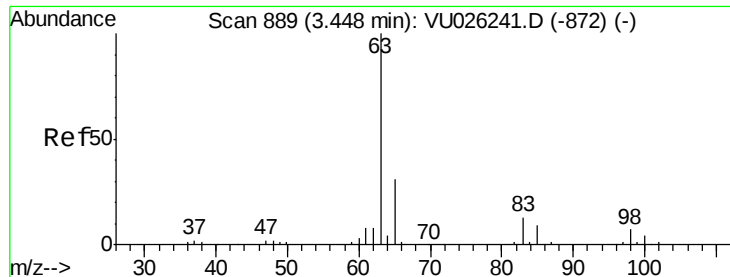
43 21.3 15.7 23.5

57 23.7 17.5 26.3



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

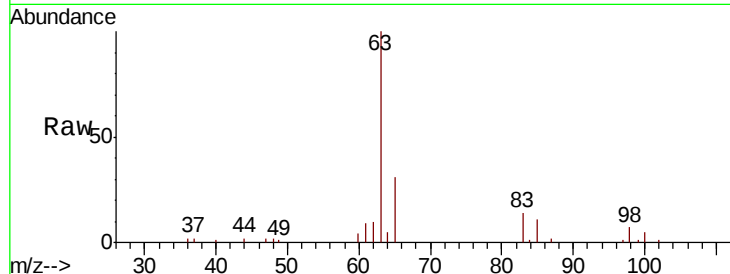




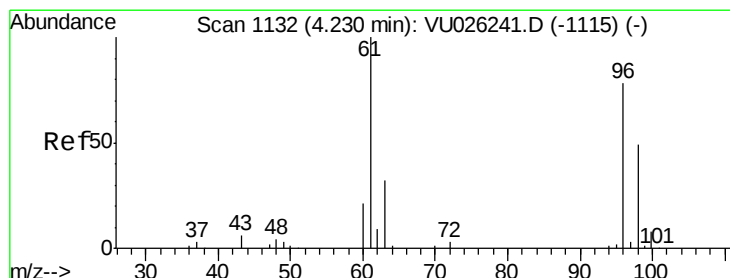
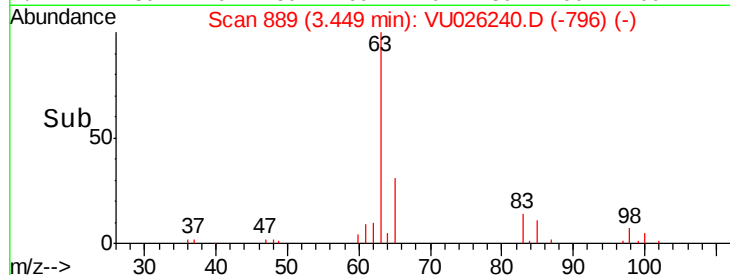
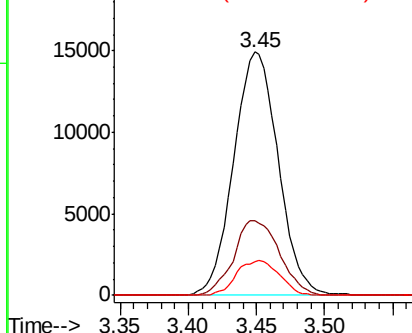
#19
 1,1-Dichloroethane
 Concen: 9.194 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU026240.D
 Acq: 22 Aug 2018 11:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01041

Tgt Ion: 63 Resp: 33843
 Ion Ratio Lower Upper
 63 100
 65 30.8 21.4 39.8
 83 13.9 9.2 17.2

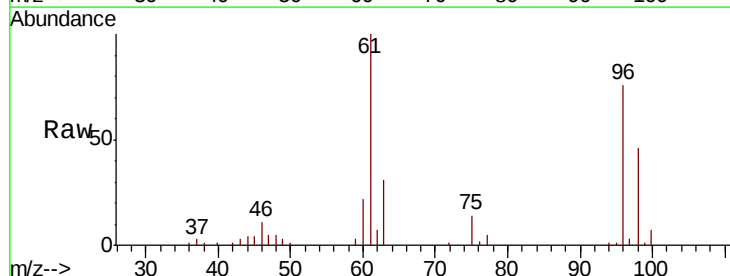


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

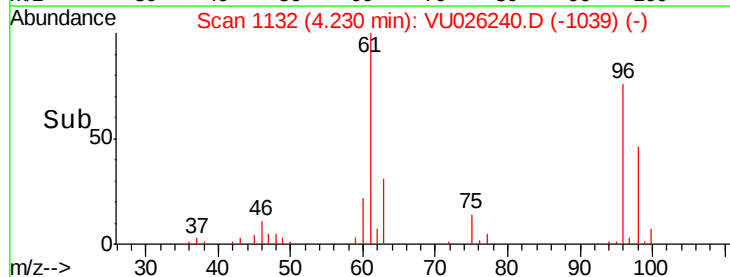
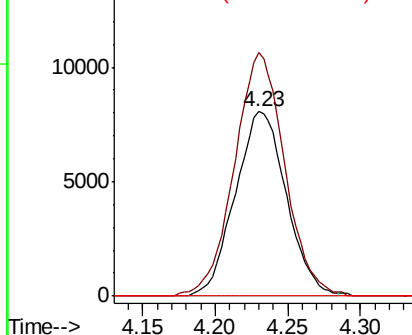


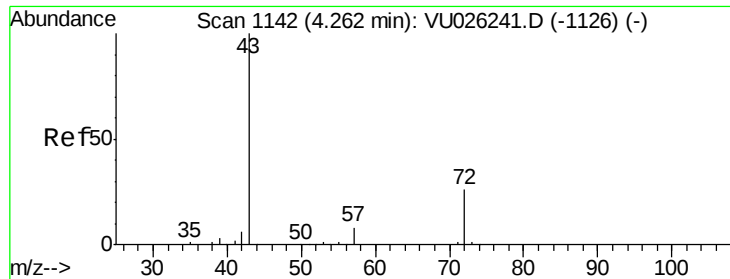
#20
 cis-1,2-Dichloroethene
 Concen: 9.072 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU026240.D
 Acq: 22 Aug 2018 11:42

Tgt Ion: 96 Resp: 19753
 Ion Ratio Lower Upper
 96 100
 61 131.9 90.3 167.7
 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: 17.646 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VU026240.D

Acq: 22 Aug 2018 11:42

Instrument :

MSVOA_U

ClientSampleId :

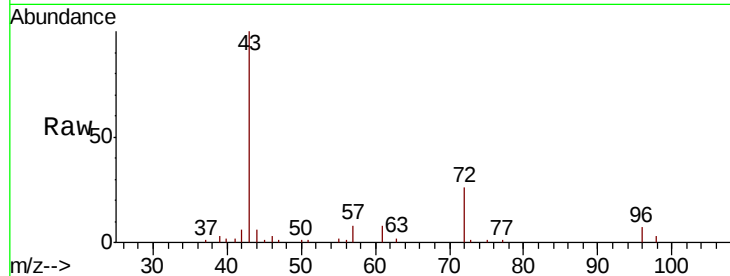
VSTD01041

Tgt Ion: 43 Resp: 28086

Ion Ratio Lower Upper

43 100

72 25.1 14.1 42.3

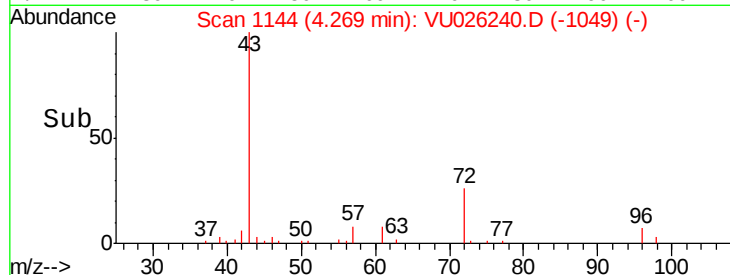


Abundance Ion 43.00 (42.70 to 43.70): VU026240.D (-1144) (-)

Ion 72.00 (71.70 to 72.70): VU026240.D (-1144) (-)

4.27

Time-->



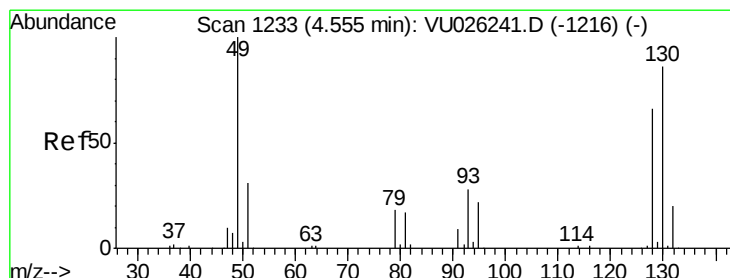
Abundance

Ion 43.00 (42.70 to 43.70): VU026240.D (-1144) (-)

Ion 72.00 (71.70 to 72.70): VU026240.D (-1144) (-)

4.27

Time-->



#23

Bromochloromethane

Concen: 9.487 ug/L

RT: 4.56 min Scan# 1234

Delta R.T. 0.00 min

Lab File: VU026240.D

Acq: 22 Aug 2018 11:42

Tgt Ion: 128 Resp: 11013

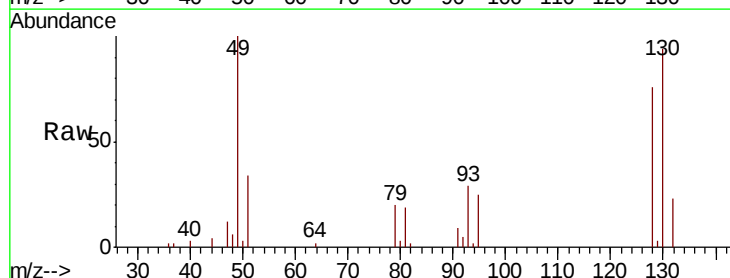
Ion Ratio Lower Upper

128 100

49 132.4 106.7 198.3

130 125.1 91.7 170.3

51 44.4 38.0 57.0



Abundance Ion 128.00 (127.70 to 128.70): VU026240.D (-1234) (-)

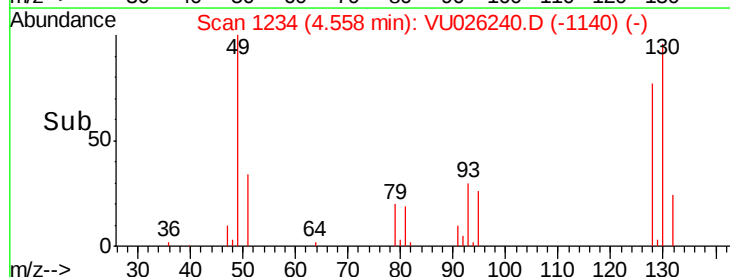
Ion 49.00 (48.70 to 49.70): VU026240.D (-1234) (-)

Ion 130.00 (129.70 to 130.70): VU026240.D (-1234) (-)

Ion 51.00 (50.70 to 51.70): VU026240.D (-1234) (-)

4.56

Time-->



Abundance

Ion 128.00 (127.70 to 128.70): VU026240.D (-1234) (-)

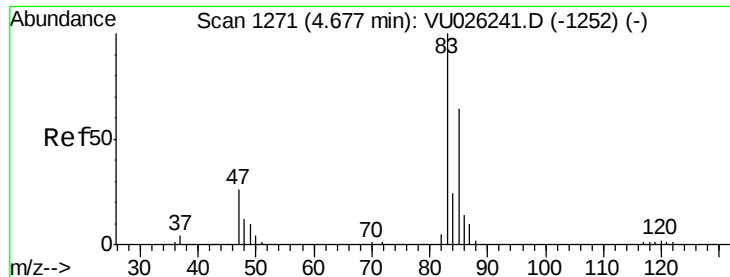
Ion 49.00 (48.70 to 49.70): VU026240.D (-1234) (-)

Ion 130.00 (129.70 to 130.70): VU026240.D (-1234) (-)

Ion 51.00 (50.70 to 51.70): VU026240.D (-1234) (-)

4.56

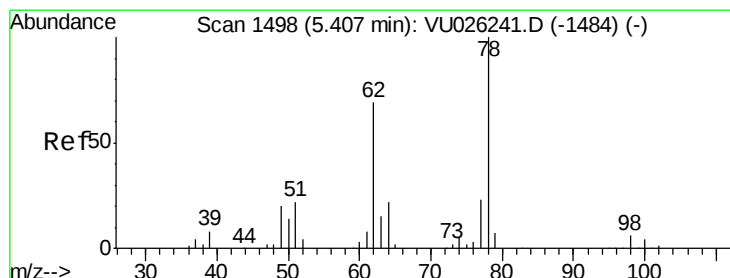
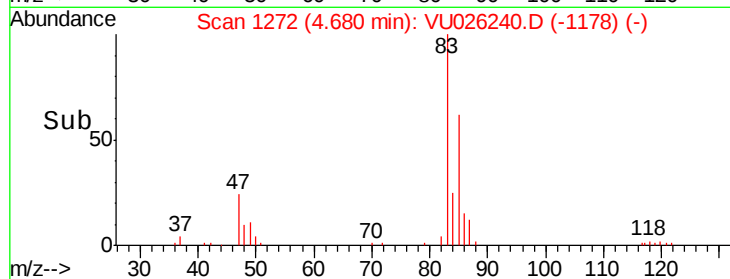
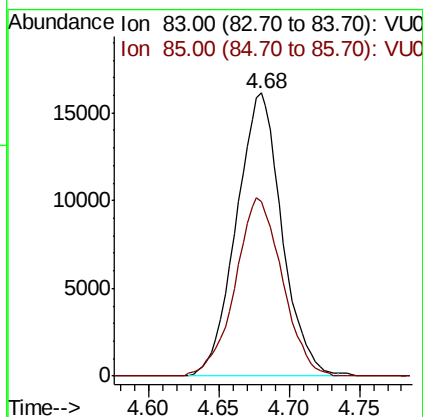
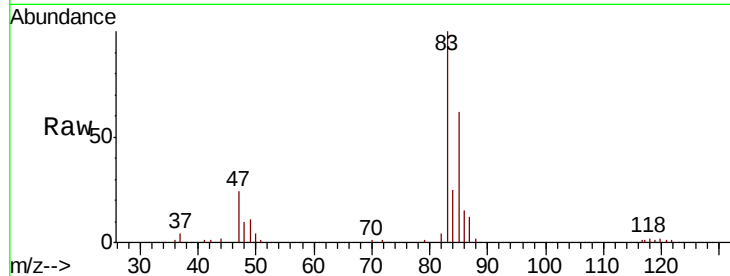
Time-->



#25
Chloroform
Concen: 9.528 ug/L
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU026240.D
Acq: 22 Aug 2018 11:42

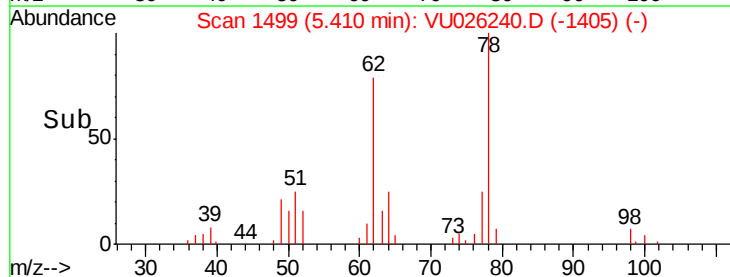
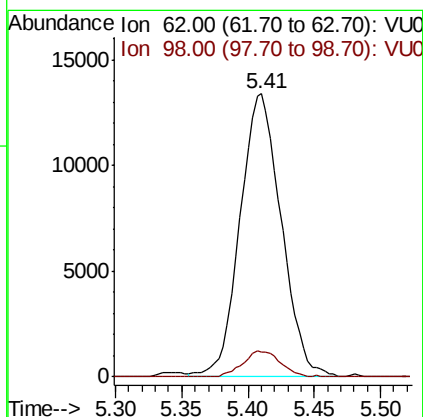
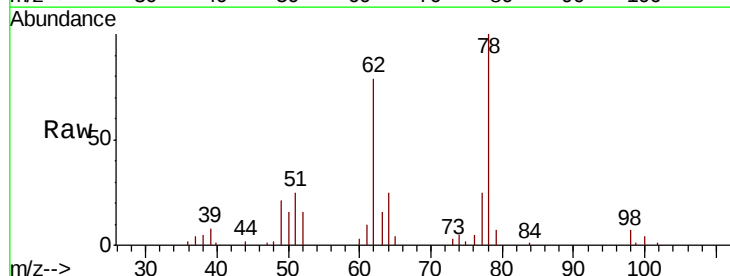
Instrument :
MSVOA_U
ClientSampleId :
VSTD01041

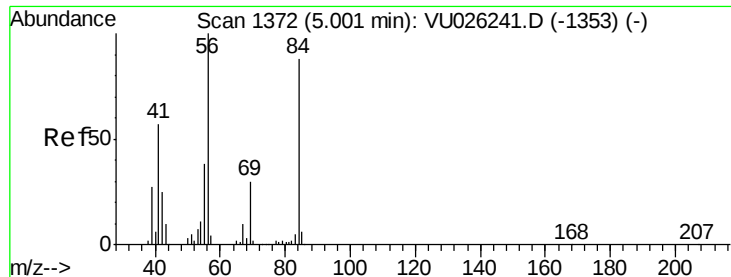
Tgt Ion: 83 Resp: 36360
Ion Ratio Lower Upper
83 100
85 61.8 45.0 83.6



#27
1,2-Dichloroethane
Concen: 9.265 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU026240.D
Acq: 22 Aug 2018 11:42

Tgt Ion: 62 Resp: 29016
Ion Ratio Lower Upper
62 100
98 8.9 7.2 10.8

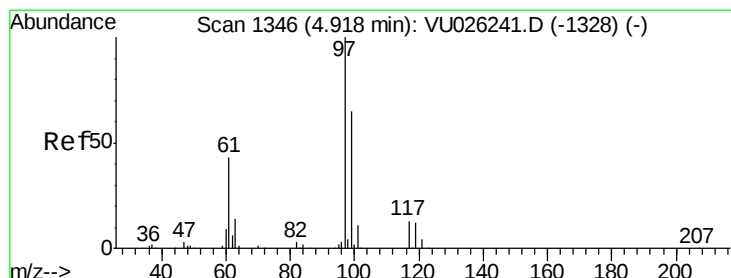
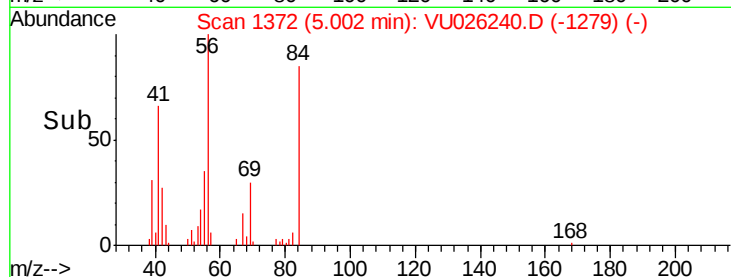
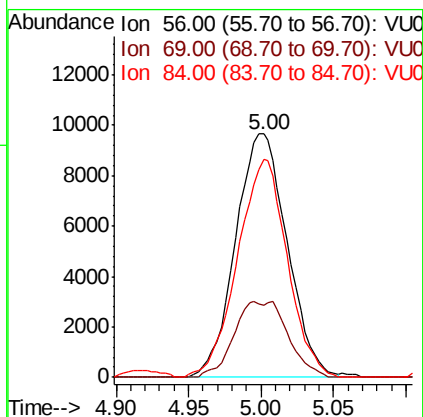
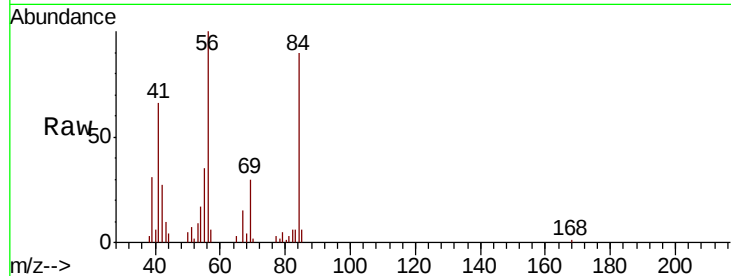




#29
Cyclohexane
Concen: 7.582 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU026240.D
Acq: 22 Aug 2018 11:42

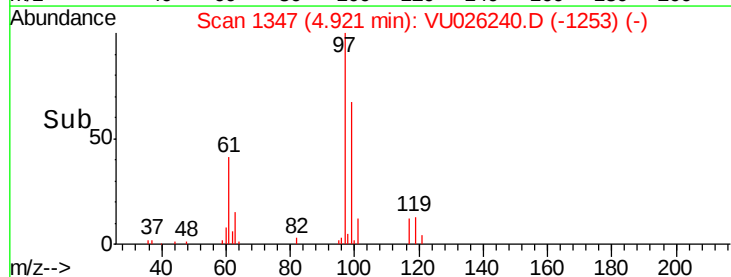
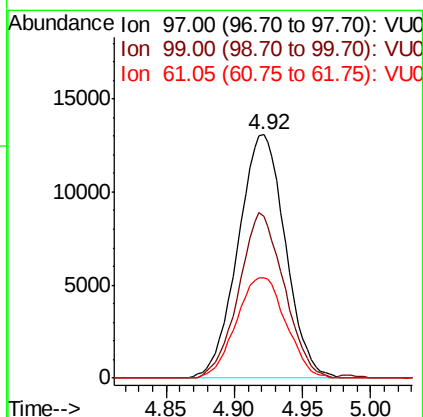
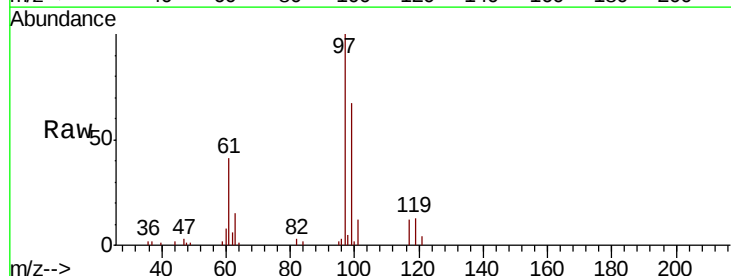
Instrument :
MSVOA_U
ClientSampleId :
VSTD01041

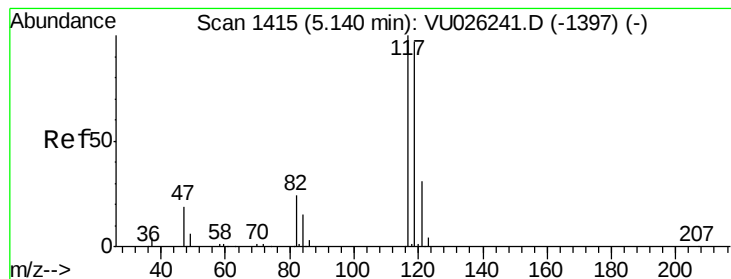
Tgt Ion: 56 Resp: 23877
Ion Ratio Lower Upper
56 100
69 18.4 24.6 37.0#
84 86.3 70.1 105.1



#30
1,1,1-Trichloroethane
Concen: 8.821 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU026240.D
Acq: 22 Aug 2018 11:42

Tgt Ion: 97 Resp: 31444
Ion Ratio Lower Upper
97 100
99 65.2 52.0 78.0
61 43.2 34.2 51.4





#31

Carbon tetrachloride

Concen: 9.055 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU026240.D

Acq: 22 Aug 2018 11:42

Instrument :

MSVOA_U

ClientSampleId :

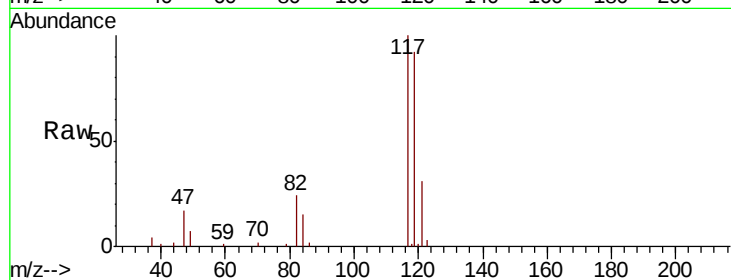
VSTD01041

Tgt Ion:117 Resp: 29473

Ion Ratio Lower Upper

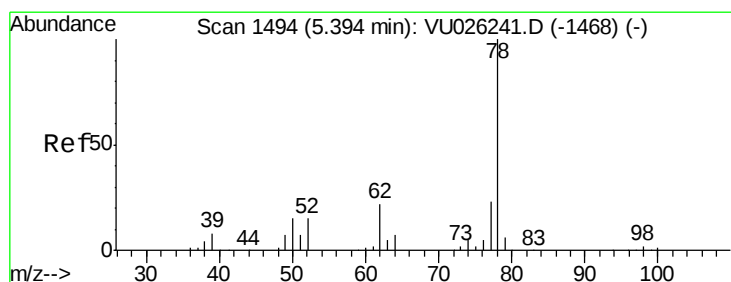
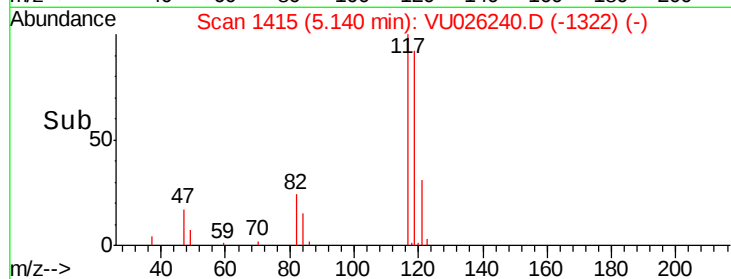
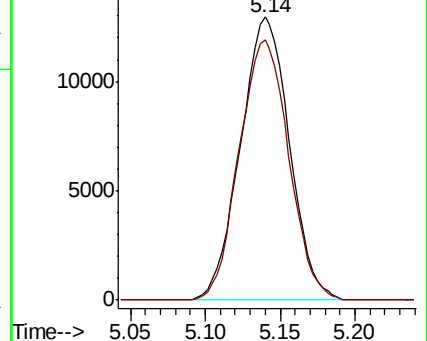
117 100

119 93.1 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 8.864 ug/L

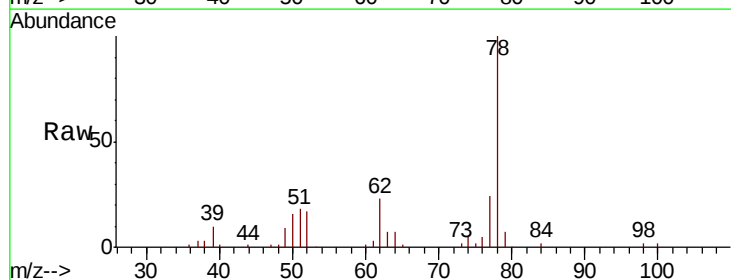
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

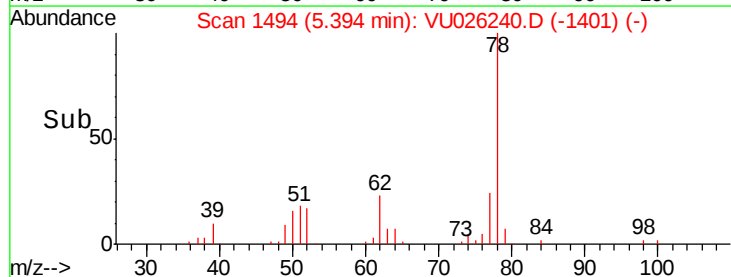
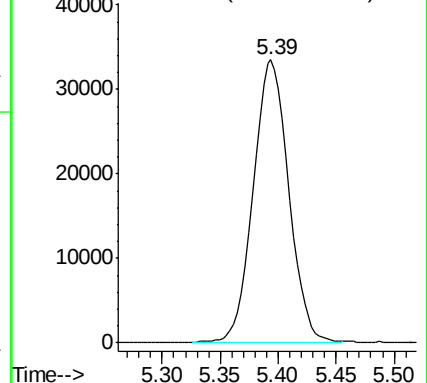
Lab File: VU026240.D

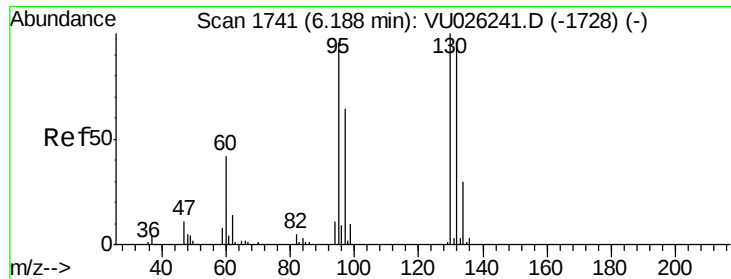
Acq: 22 Aug 2018 11:42

Tgt Ion: 78 Resp: 71749



Abundance Ion 78.00 (77.70 to 78.70): VU0

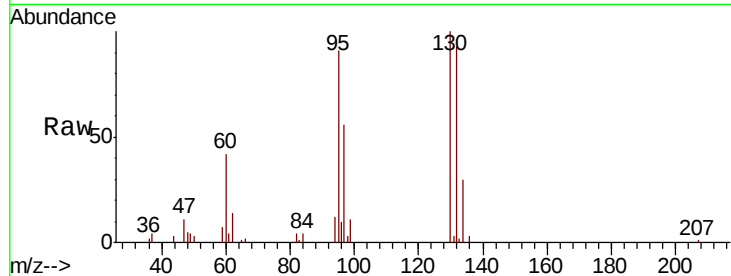




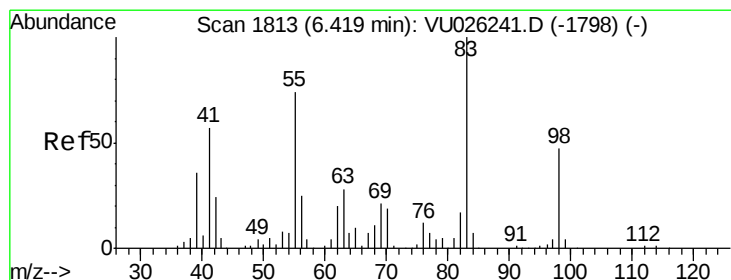
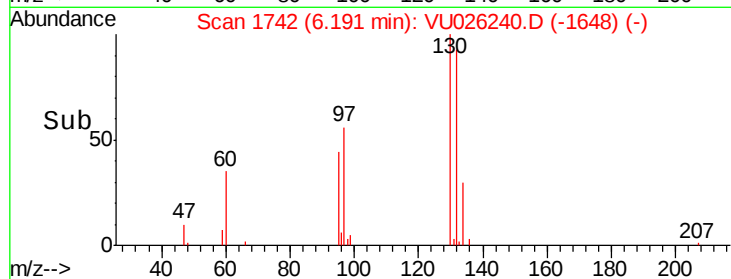
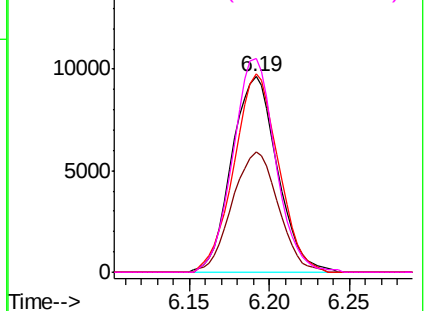
#34
 Trichloroethene
 Concen: 8.926 ug/L
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU026240.D
 Acq: 22 Aug 2018 11:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01041

Tgt Ion: 95 Resp: 18784
 Ion Ratio Lower Upper
 95 100
 97 61.7 47.2 87.6
 132 101.6 70.2 130.4
 130 109.3 73.4 136.4

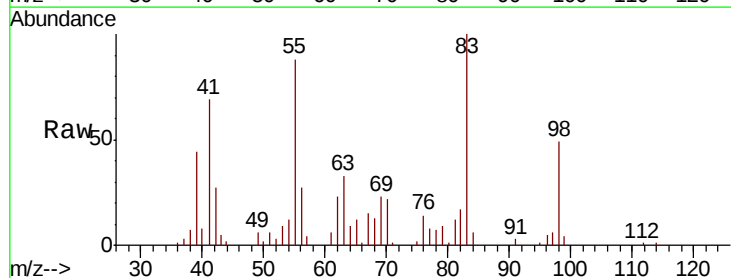


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

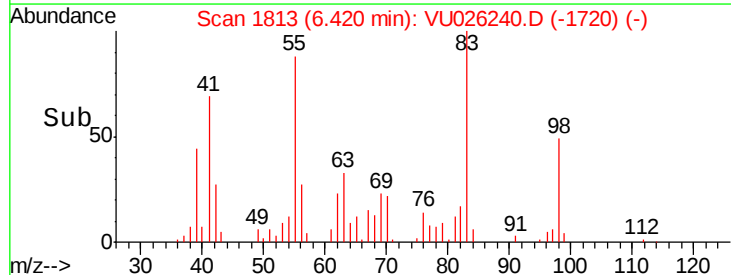
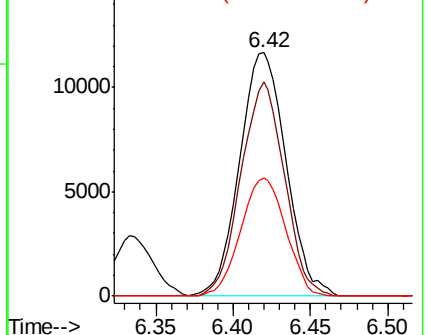


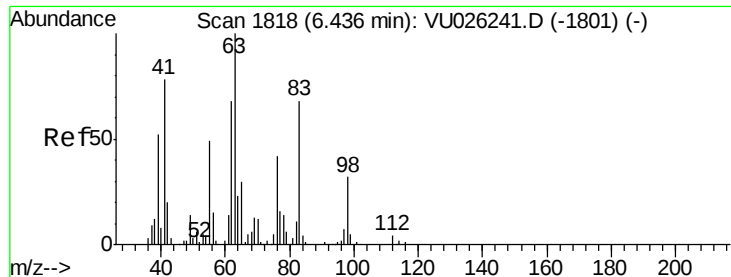
#35
 Methylcyclohexane
 Concen: 7.549 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU026240.D
 Acq: 22 Aug 2018 11:42

Tgt Ion: 83 Resp: 24449
 Ion Ratio Lower Upper
 83 100
 55 82.0 60.6 91.0
 98 46.9 36.8 55.2



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

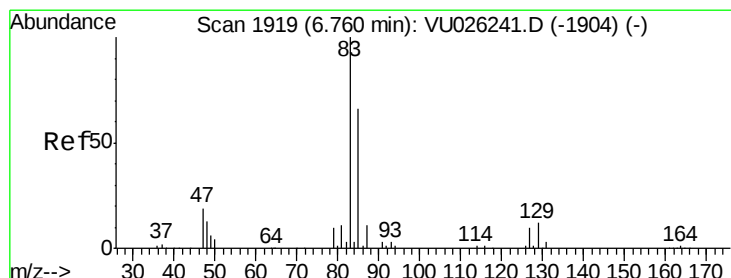
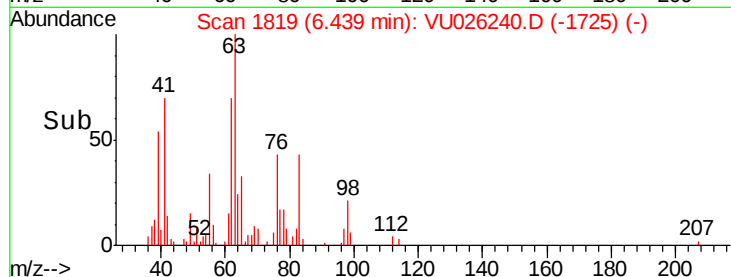
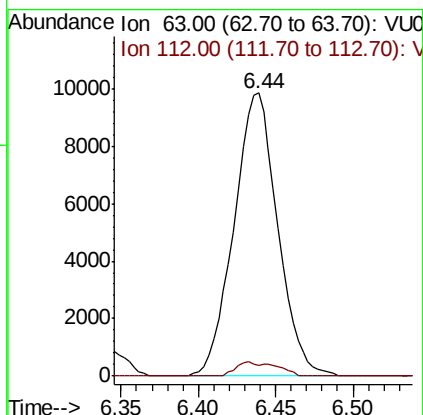
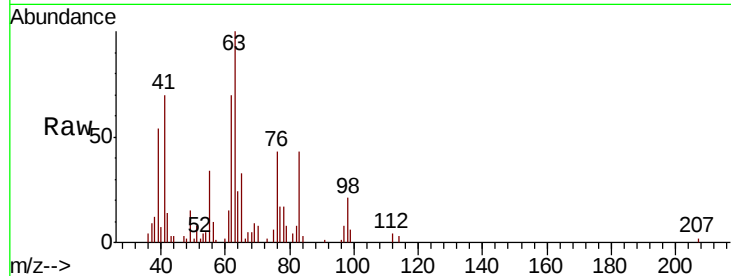




#37
 1,2-Dichloropropane
 Concen: 8.758 ug/L
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU026240.D
 Acq: 22 Aug 2018 11:42

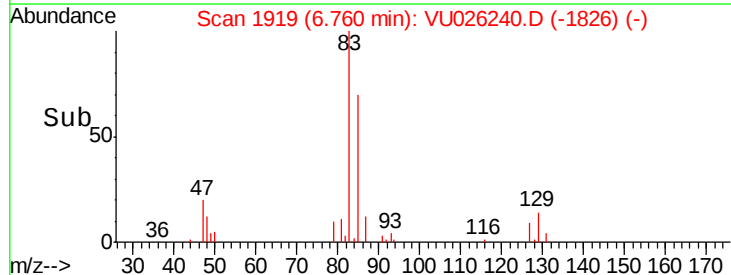
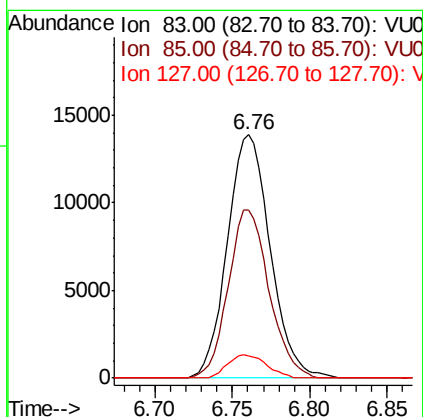
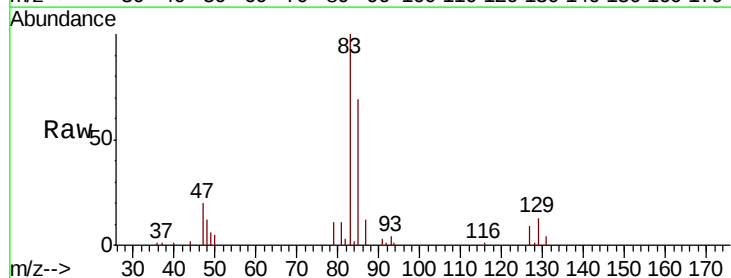
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01041

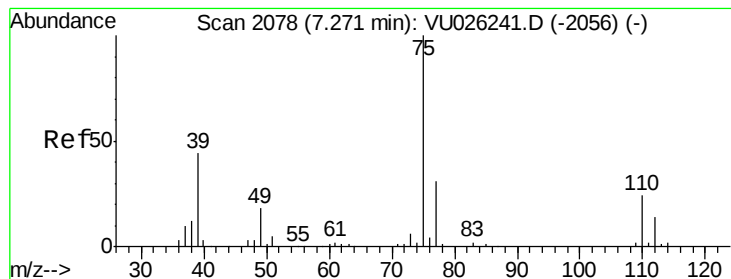
Tgt Ion: 63 Resp: 19370
 Ion Ratio Lower Upper
 63 100
 112 2.5 3.4 5.2#



#38
 Bromodichloromethane
 Concen: 9.077 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU026240.D
 Acq: 22 Aug 2018 11:42

Tgt Ion: 83 Resp: 26720
 Ion Ratio Lower Upper
 83 100
 85 69.1 46.3 86.1
 127 9.2 7.8 11.6



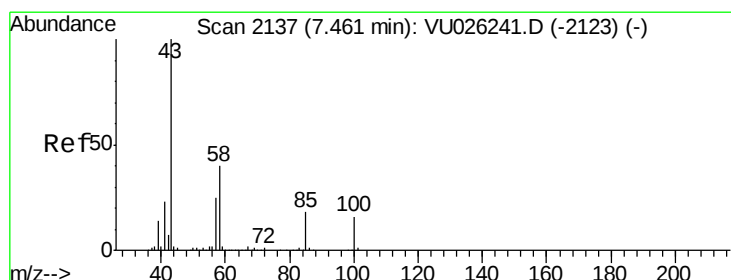
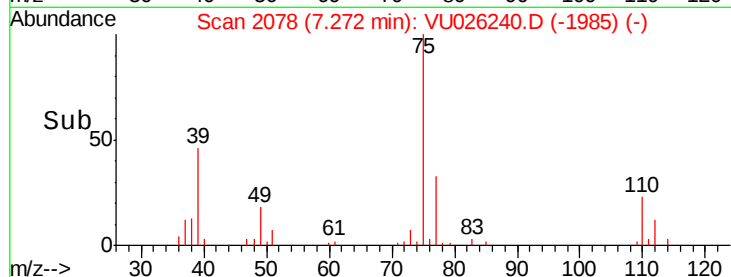
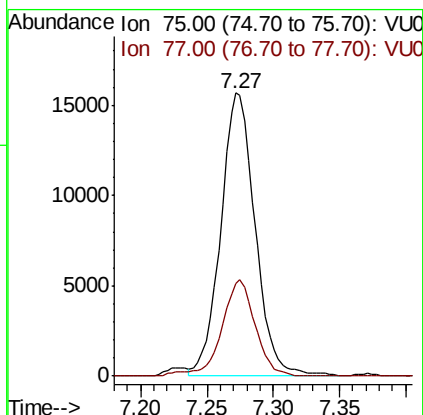
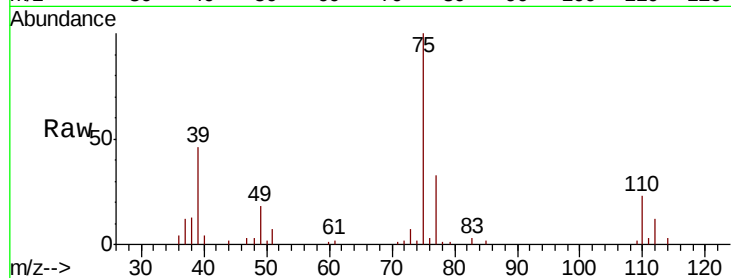


#39

cis-1,3-Dichloropropene
 Concen: 8.497 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026240.D
 Acq: 22 Aug 2018 11:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01041

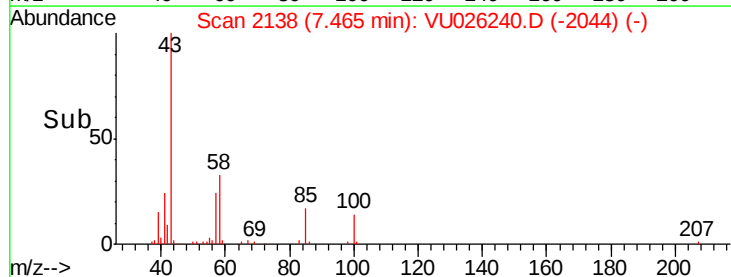
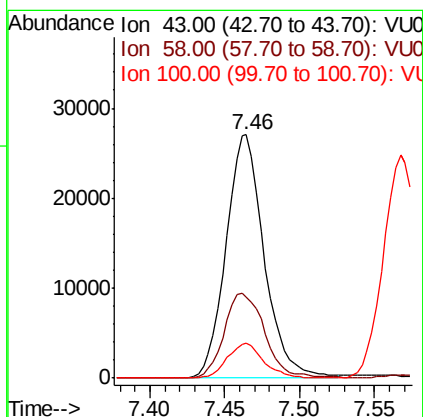
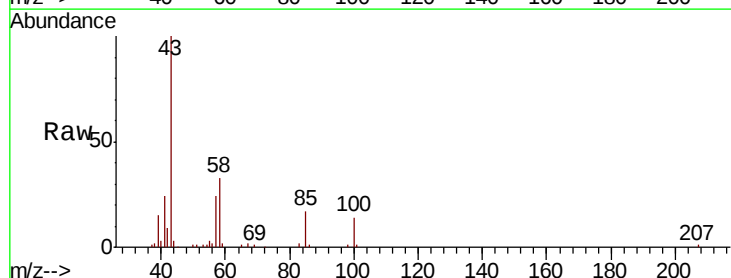
Tgt Ion: 75 Resp: 28274
 Ion Ratio Lower Upper
 75 100
 77 32.8 22.0 40.8

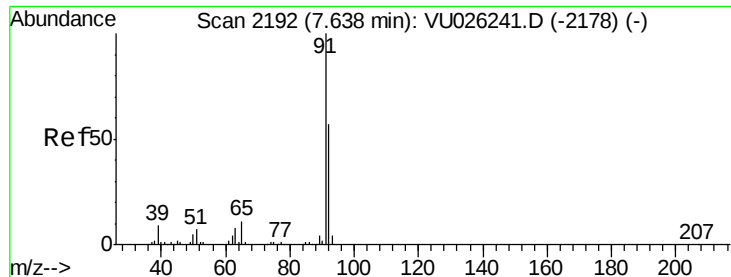


#40

4-Methyl-2-pentanone
 Concen: 16.125 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU026240.D
 Acq: 22 Aug 2018 11:42

Tgt Ion: 43 Resp: 48061
 Ion Ratio Lower Upper
 43 100
 58 37.0 31.6 47.4
 100 13.6 12.3 18.5





#42

Toluene

Concen: 8.442 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU026240.D

Acq: 22 Aug 2018 11:42

Instrument :

MSVOA_U

ClientSampleId :

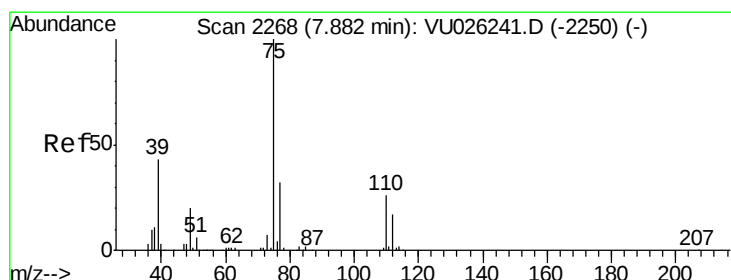
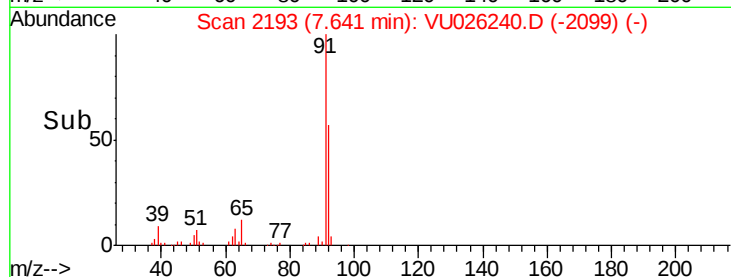
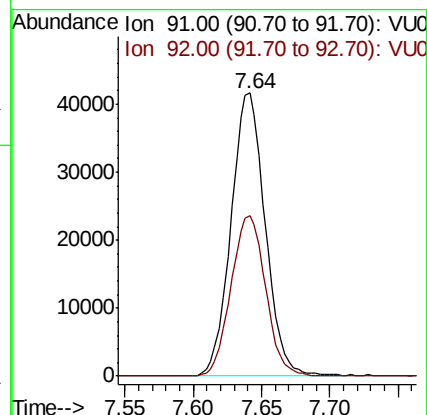
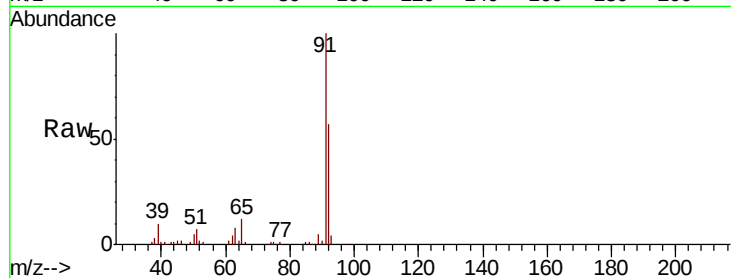
VSTD01041

Tgt Ion: 91 Resp: 72463

Ion Ratio Lower Upper

91 100

92 56.7 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 8.384 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU026240.D

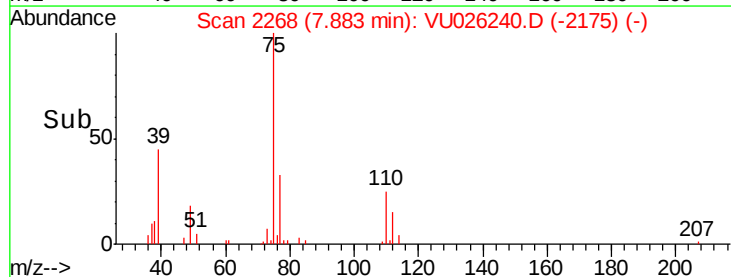
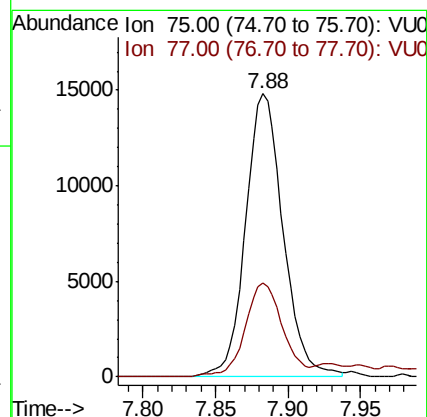
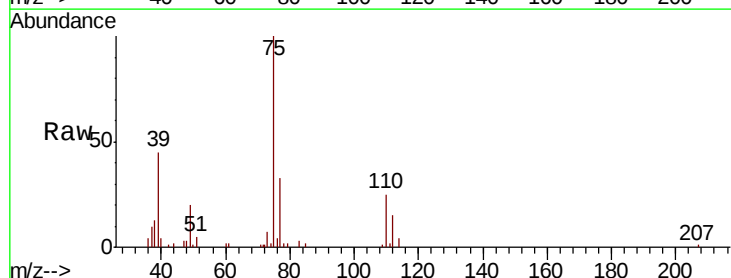
Acq: 22 Aug 2018 11:42

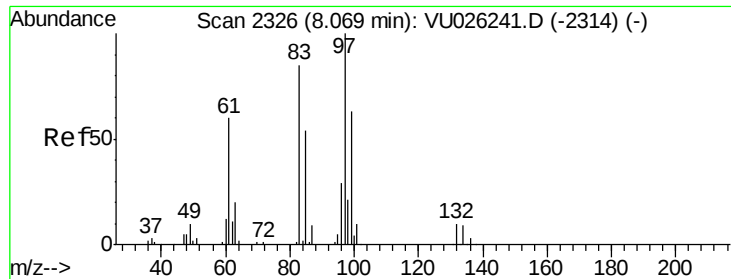
Tgt Ion: 75 Resp: 26737

Ion Ratio Lower Upper

75 100

77 33.0 22.0 41.0

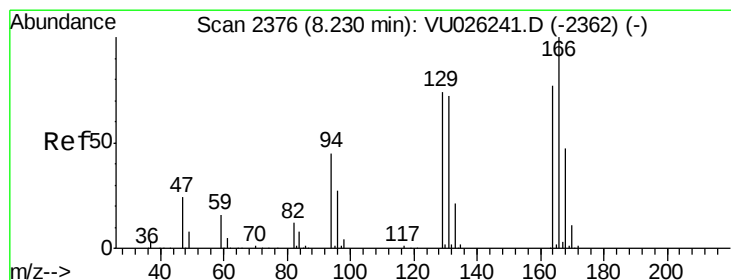
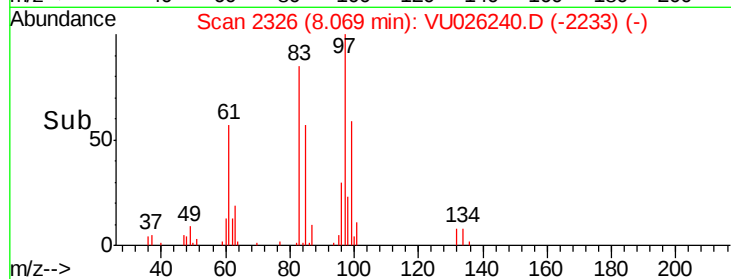
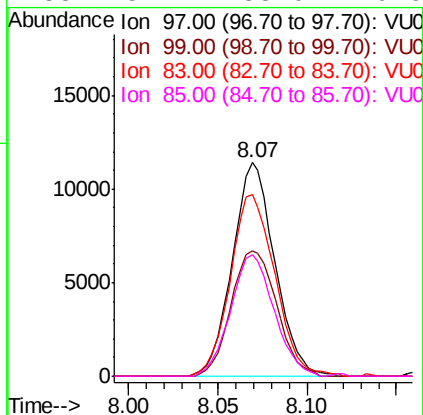
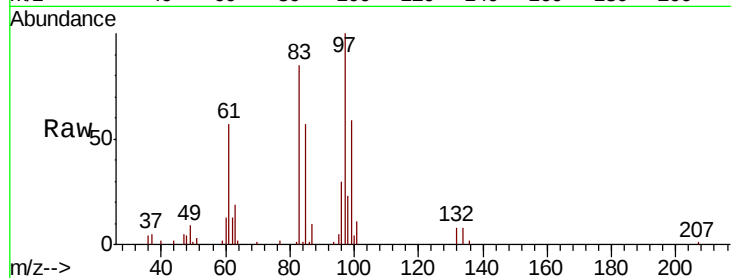




#45
 1,1,2-Trichloroethane
 Concen: 9.017 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU026240.D
 Acq: 22 Aug 2018 11:42

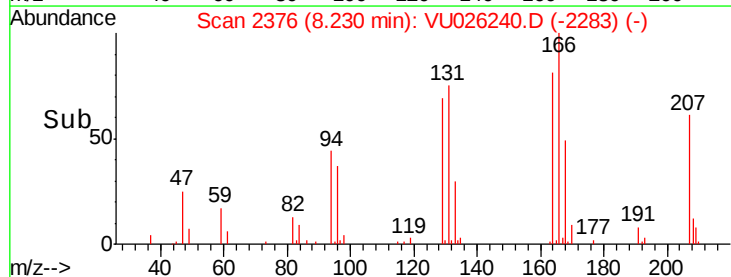
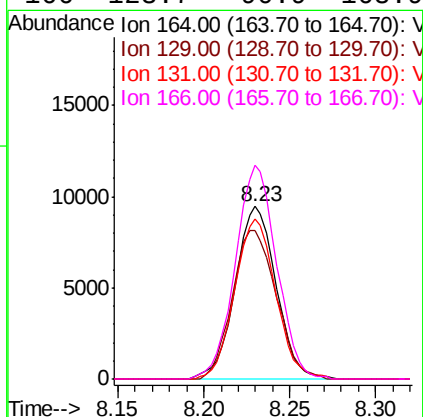
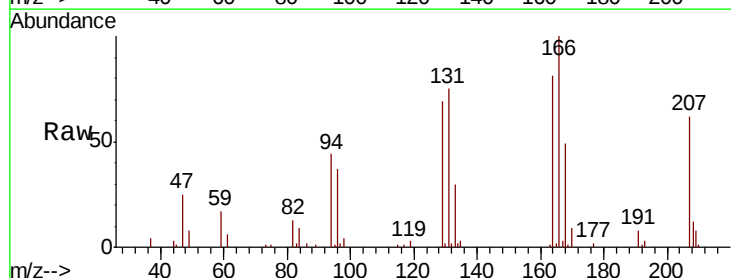
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01041

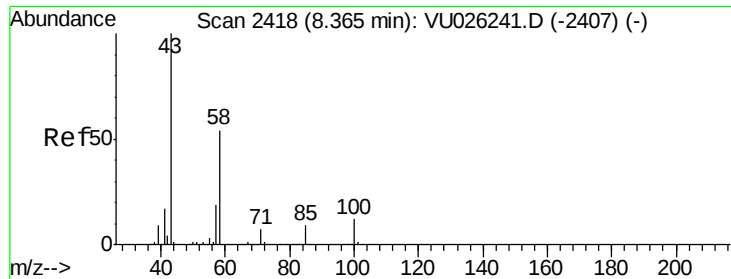
Tgt Ion:	97	Resp:	18930
Ion	Ratio	Lower	Upper
97	100		
99	59.0	44.0	81.6
83	85.3	59.2	110.0
85	57.2	38.0	70.6



#46
 Tetrachloroethene
 Concen: 8.739 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU026240.D
 Acq: 22 Aug 2018 11:42

Tgt Ion:	164	Resp:	15691
Ion	Ratio	Lower	Upper
164	100		
129	85.8	67.3	124.9
131	92.6	65.5	121.7
166	123.7	90.9	168.9

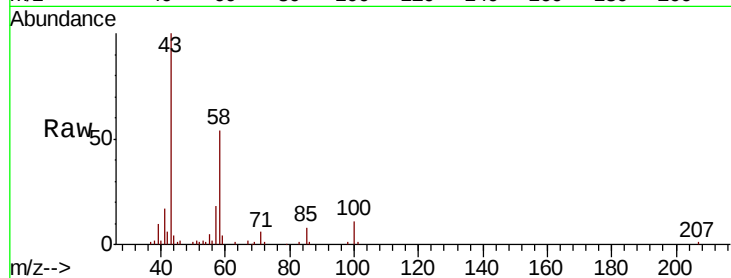




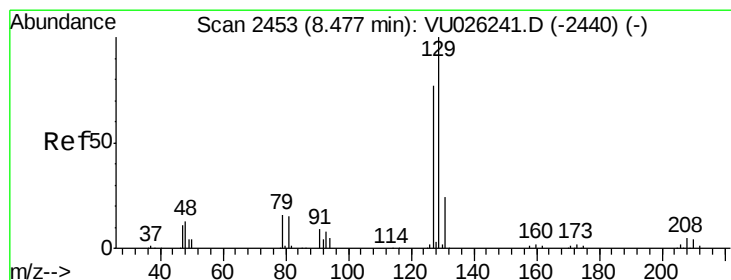
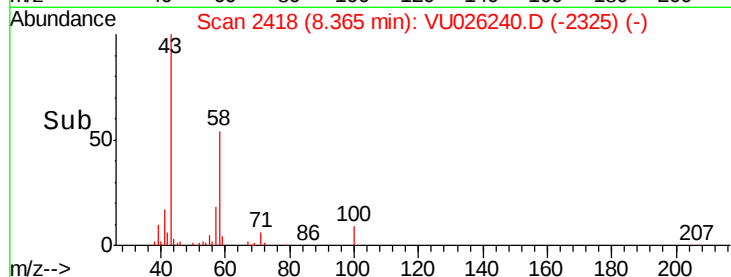
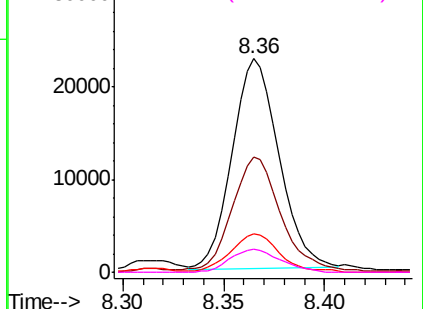
#48
2-Hexanone
Concen: 15.699 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU026240.D
Acq: 22 Aug 2018 11:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD01041

Tgt Ion:	43	Resp:	36731
Ion	Ratio	Lower	Upper
43	100		
58	56.6	42.6	63.8
57	17.8	15.1	22.7
100	11.8	9.5	14.3

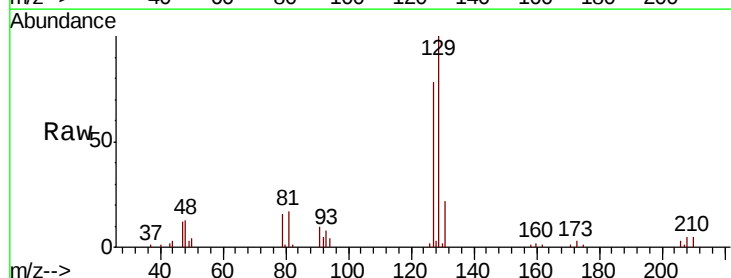


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

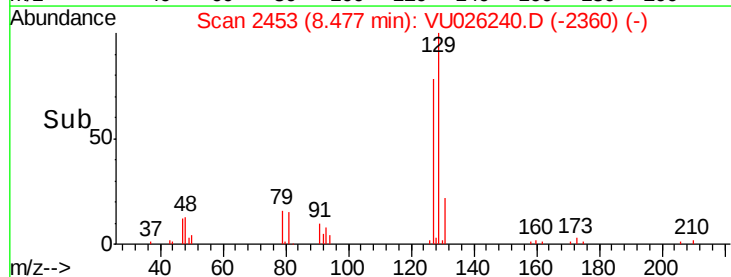
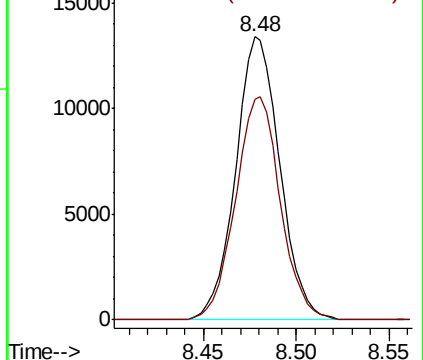


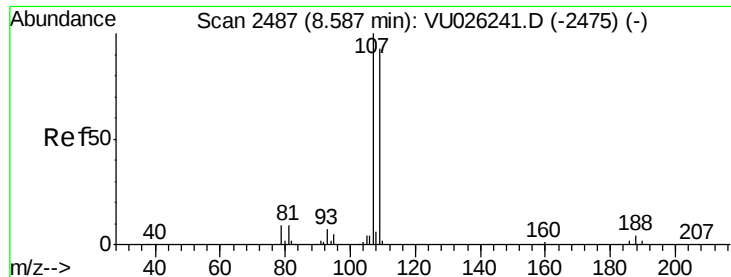
#49
Dibromochloromethane
Concen: 8.756 ug/L
RT: 8.48 min Scan# 2453
Delta R.T. 0.00 min
Lab File: VU026240.D
Acq: 22 Aug 2018 11:42

Tgt Ion:	129	Resp:	22248
Ion	Ratio	Lower	Upper
129	100		
127	78.1	53.8	100.0



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

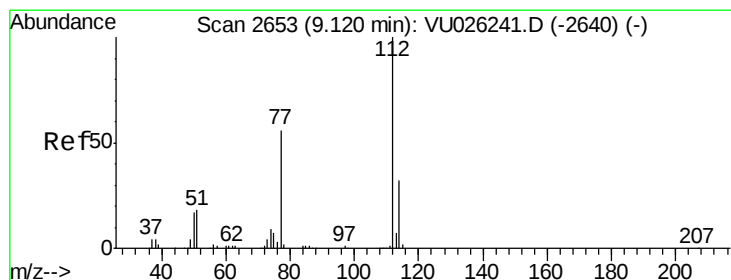
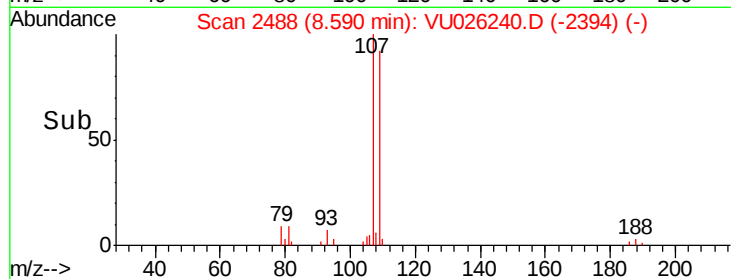
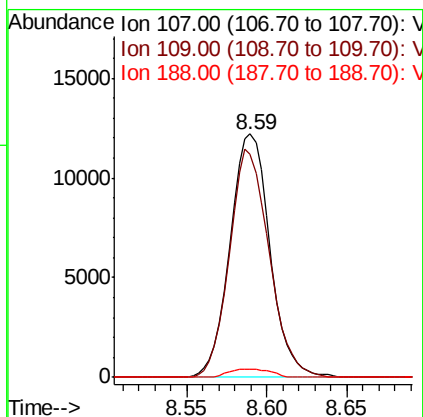
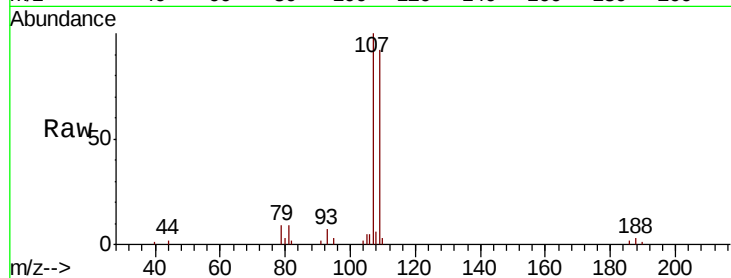




#50
1,2-Dibromoethane
Concen: 9.045 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU026240.D
Acq: 22 Aug 2018 11:42

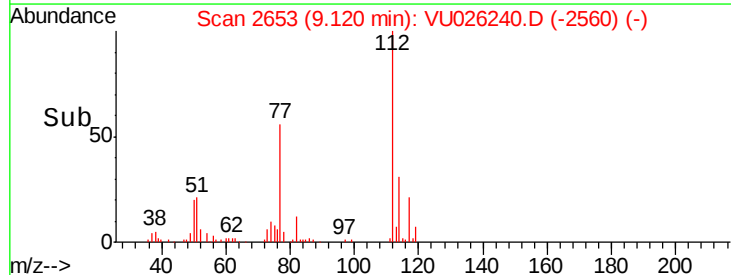
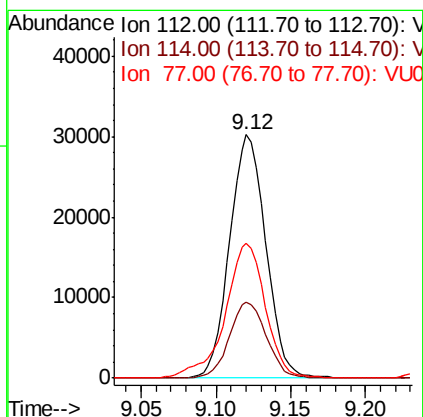
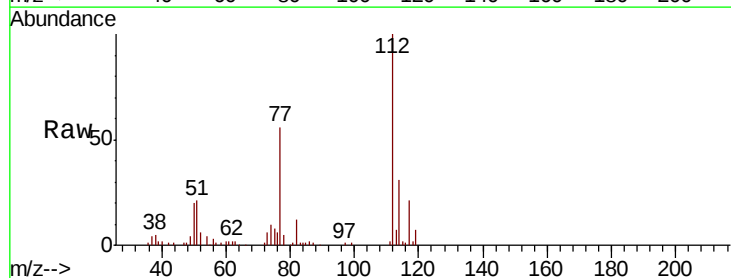
Instrument :
MSVOA_U
ClientSampleId :
VSTD01041

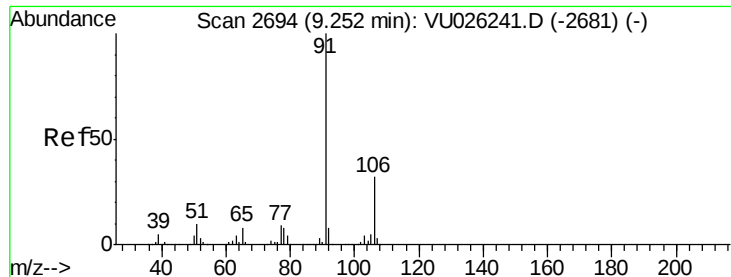
Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.9	65.2	121.0
188	3.5	3.4	5.2



#51
Chlorobenzene
Concen: 8.864 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU026240.D
Acq: 22 Aug 2018 11:42

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	22.5	41.9
77	55.6	45.4	68.2





#52

Ethylbenzene

Concen: 7.968 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026240.D

Acq: 22 Aug 2018 11:42

Instrument :

MSVOA_U

ClientSampleId :

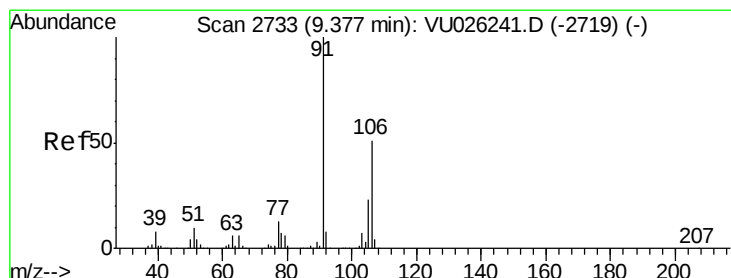
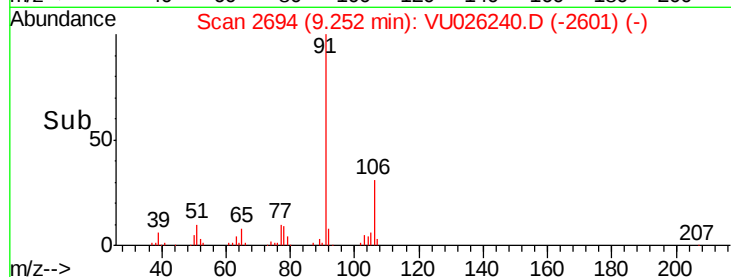
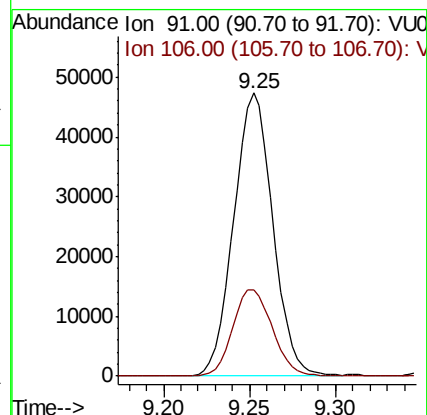
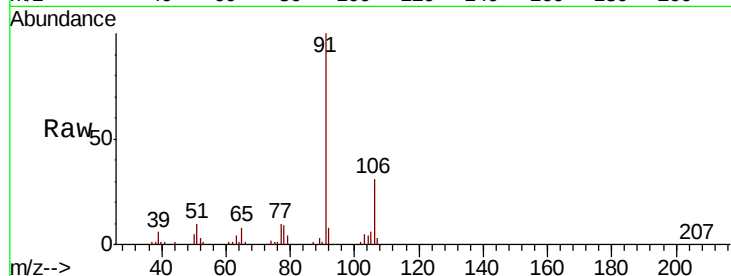
VSTD01041

Tgt Ion: 91 Resp: 74719

Ion Ratio Lower Upper

91 100

106 30.6 22.3 41.5



#53

m,p-Xylene

Concen: 7.717 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026240.D

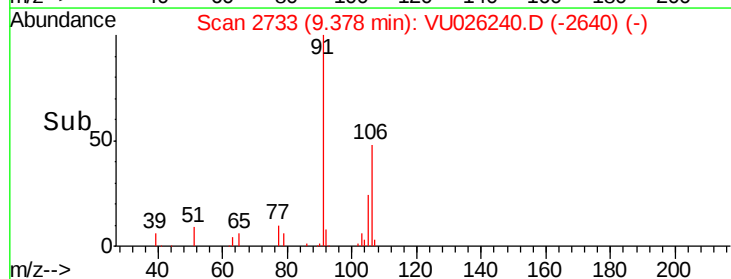
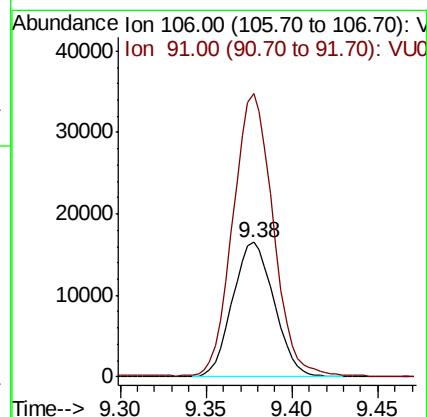
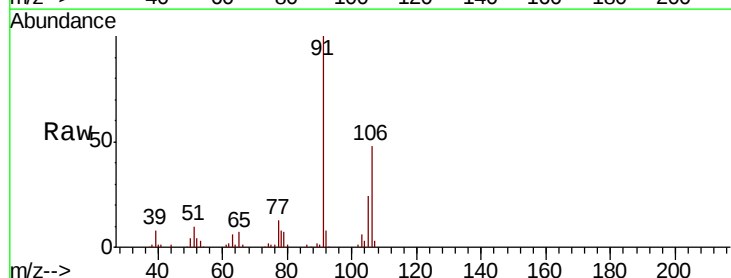
Acq: 22 Aug 2018 11:42

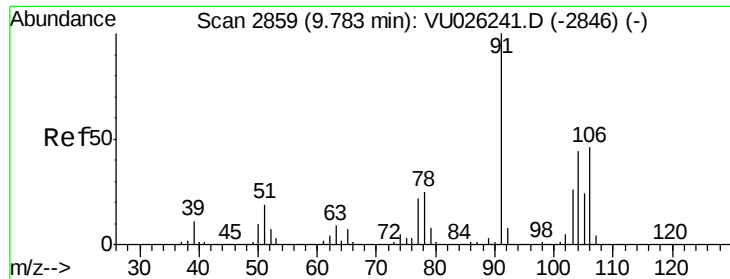
Tgt Ion: 106 Resp: 27733

Ion Ratio Lower Upper

106 100

91 210.3 136.6 253.8

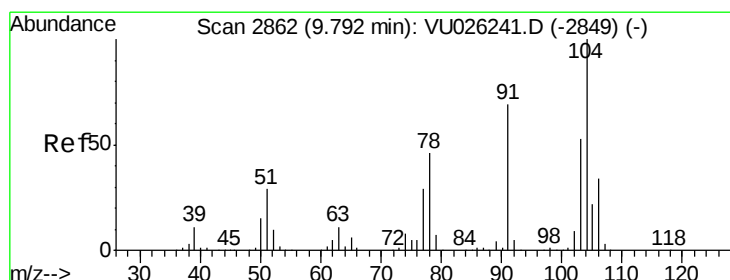
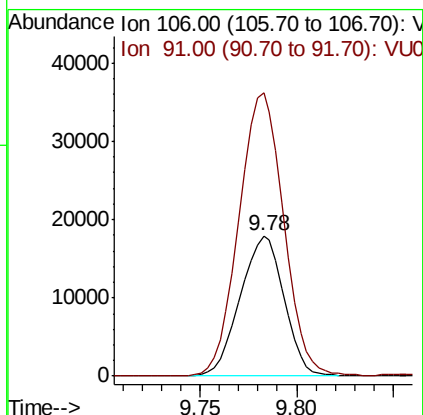
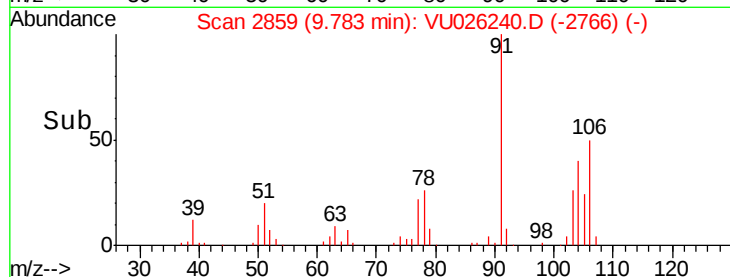
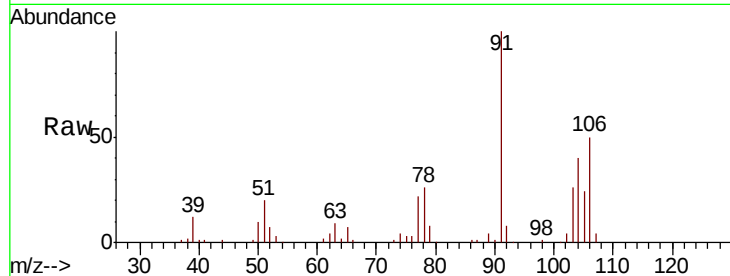




#54
o-xylene
Concen: 7.977 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU026240.D
Acq: 22 Aug 2018 11:42

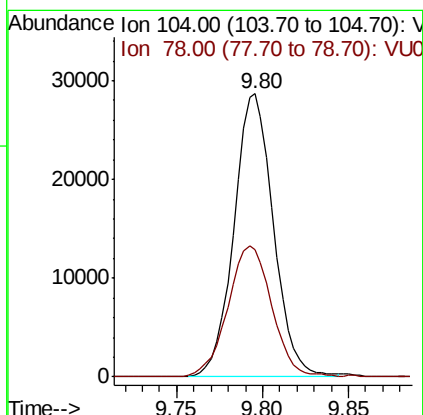
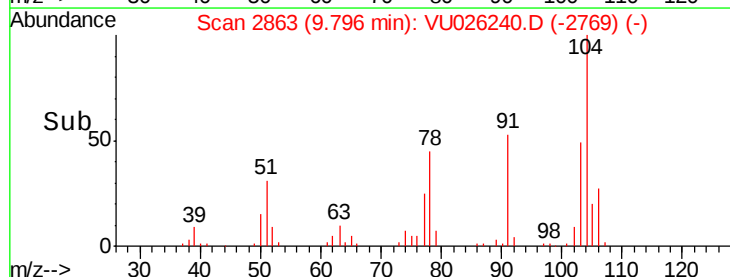
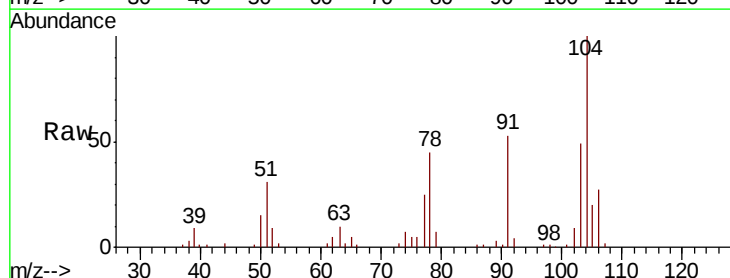
Instrument :
MSVOA_U
ClientSampleId :
VSTD01041

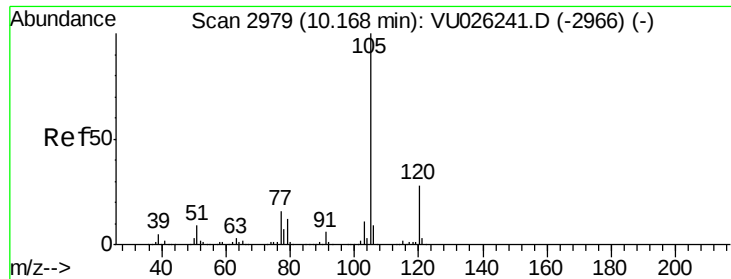
Tgt Ion:106 Resp: 28351
Ion Ratio Lower Upper
106 100
91 201.4 151.2 280.8



#55
Styrene
Concen: 7.708 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU026240.D
Acq: 22 Aug 2018 11:42

Tgt Ion:104 Resp: 45854
Ion Ratio Lower Upper
104 100
78 45.0 32.3 60.1





#56

Isopropylbenzene

Concen: 7.810 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026240.D

Acq: 22 Aug 2018 11:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD01041

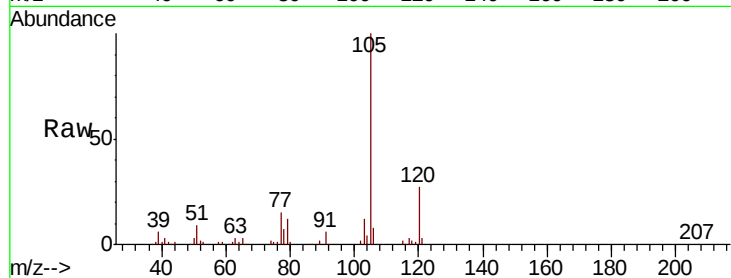
Tgt Ion: 105 Resp: 71331

Ion Ratio Lower Upper

105 100

120 27.6 21.9 32.9

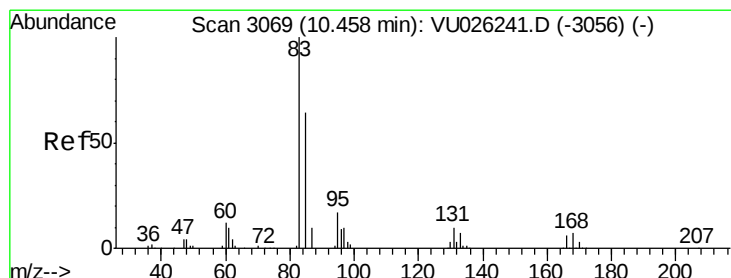
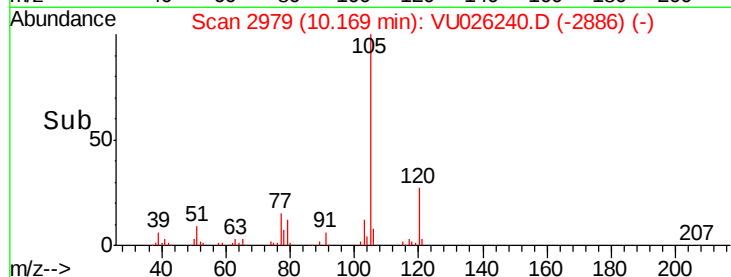
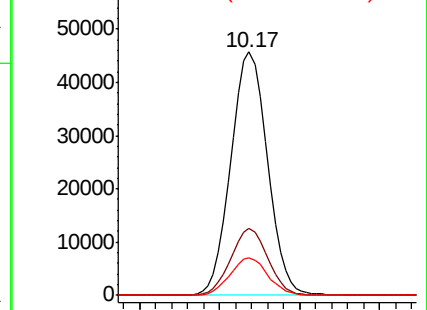
77 15.7 12.4 18.6



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: 8.790 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU026240.D

Acq: 22 Aug 2018 11:42

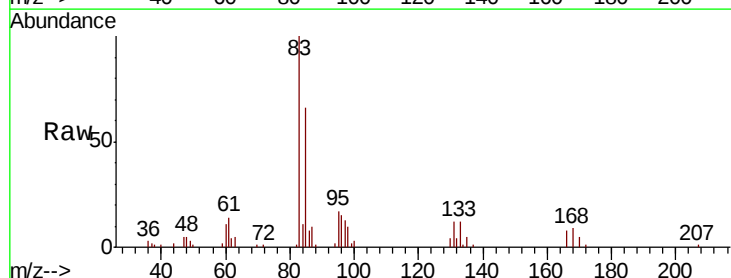
Tgt Ion: 83 Resp: 31352

Ion Ratio Lower Upper

83 100

85 66.4 44.9 83.3

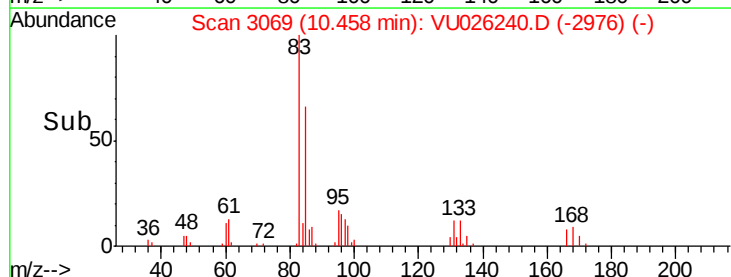
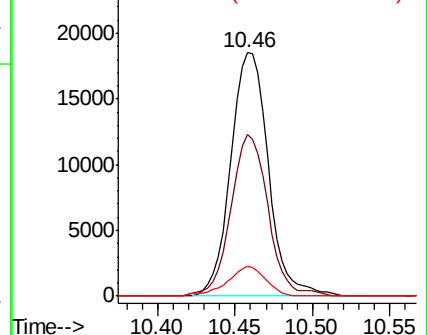
131 12.0 8.2 12.2

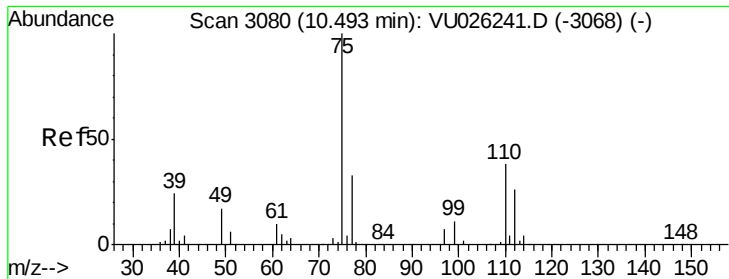


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

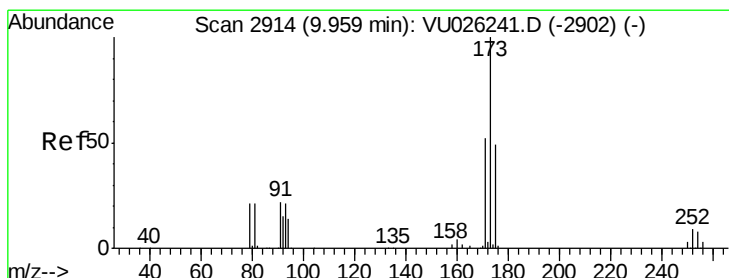
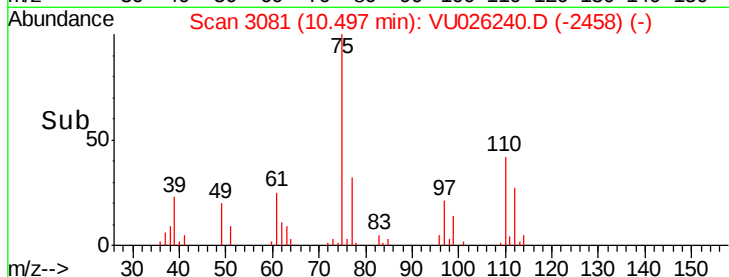
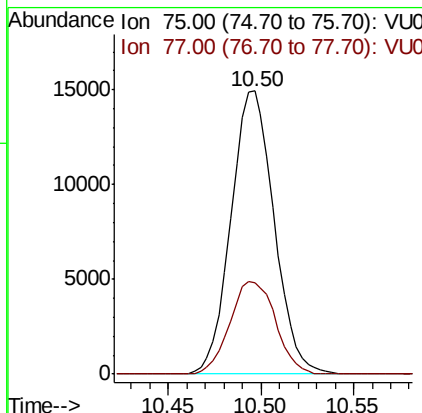
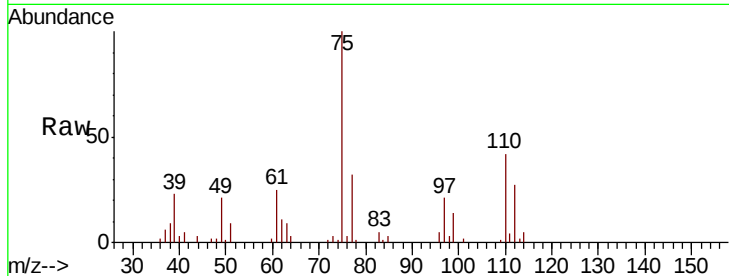




#59
 1,2,3-Trichloropropane
 Concen: 8.531 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026240.D
 Acq: 22 Aug 2018 11:42

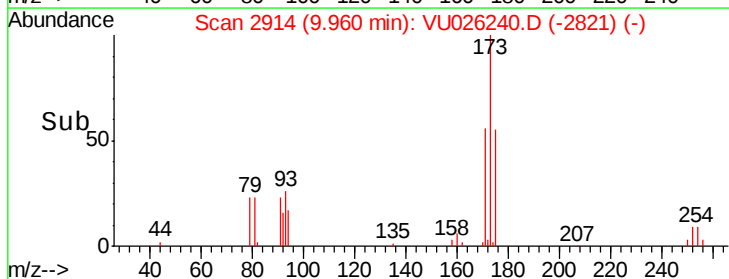
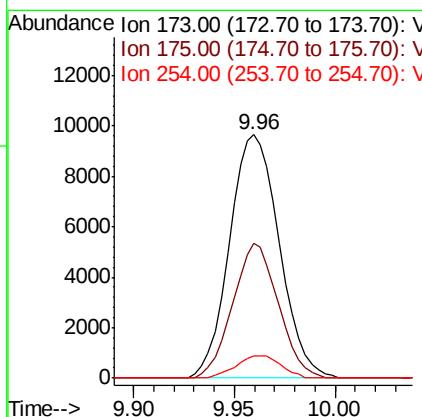
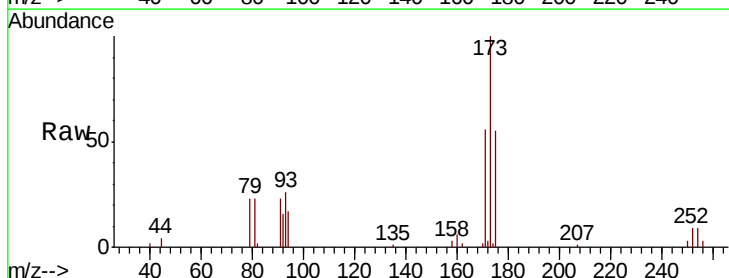
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01041

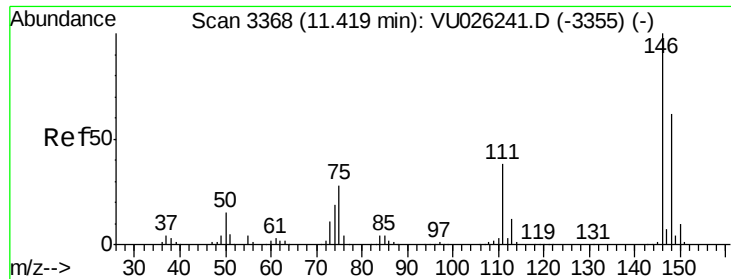
Tgt Ion: 75 Resp: 24115
 Ion Ratio Lower Upper
 75 100
 77 34.6 25.5 38.3



#61
 Bromoform
 Concen: 8.917 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. 0.00 min
 Lab File: VU026240.D
 Acq: 22 Aug 2018 11:42

Tgt Ion: 173 Resp: 16620
 Ion Ratio Lower Upper
 173 100
 175 50.8 39.4 59.2
 254 8.4 7.0 10.4





#62

1,3-Dichlorobenzene

Concen: 8.401 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026240.D

Acq: 22 Aug 2018 11:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD01041

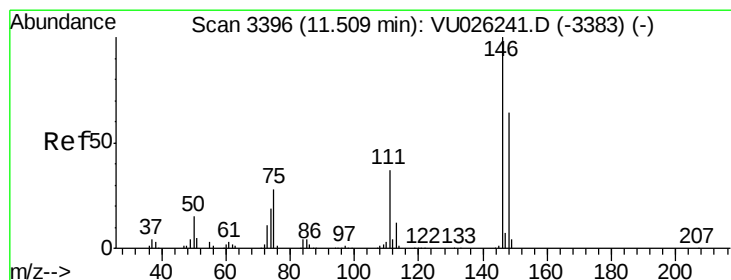
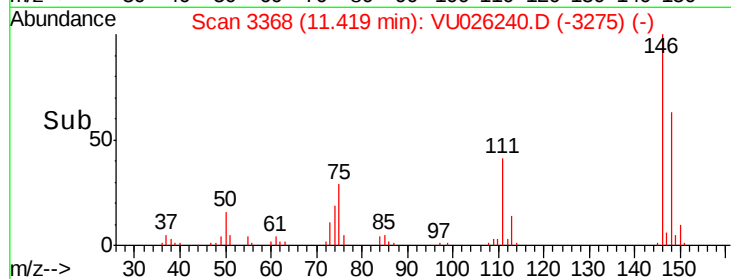
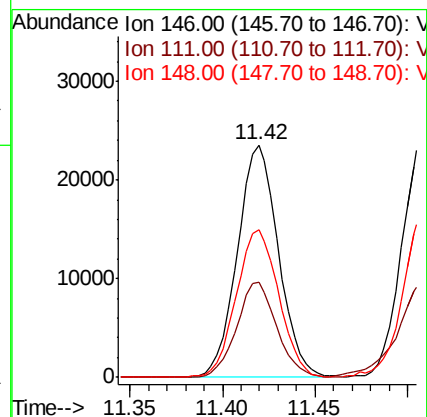
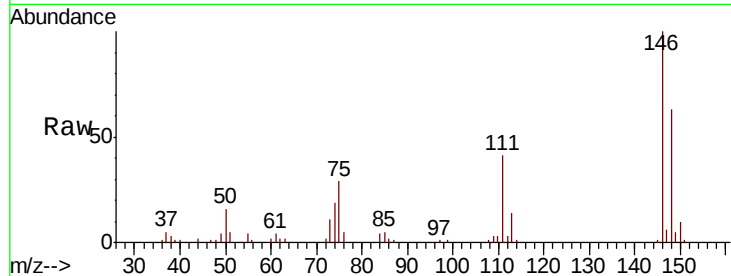
Tgt Ion:146 Resp: 36135

Ion Ratio Lower Upper

146 100

111 41.0 26.9 50.1

148 63.5 43.7 81.1



#63

1,4-Dichlorobenzene

Concen: 8.804 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026240.D

Acq: 22 Aug 2018 11:42

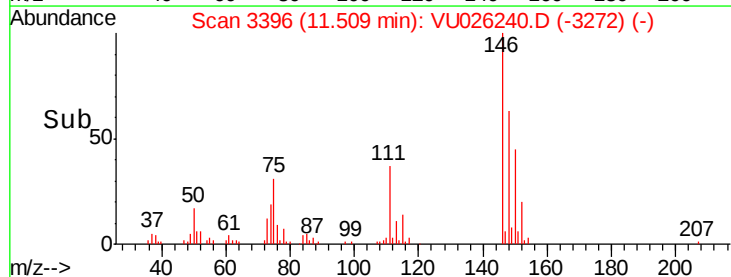
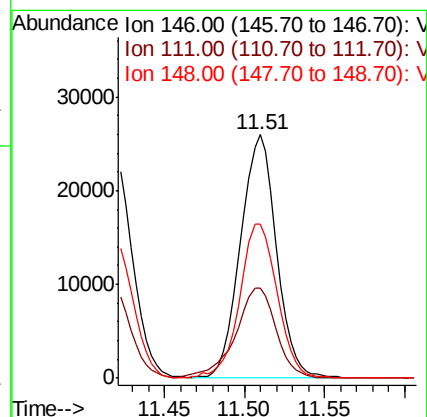
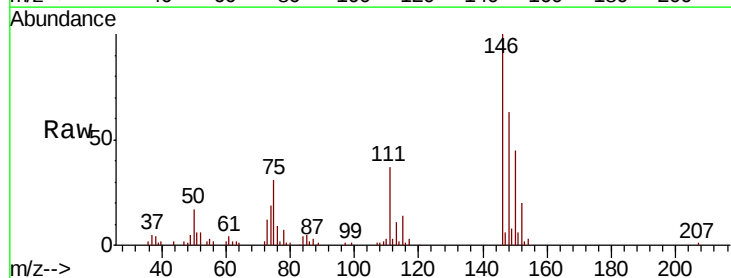
Tgt Ion:146 Resp: 39679

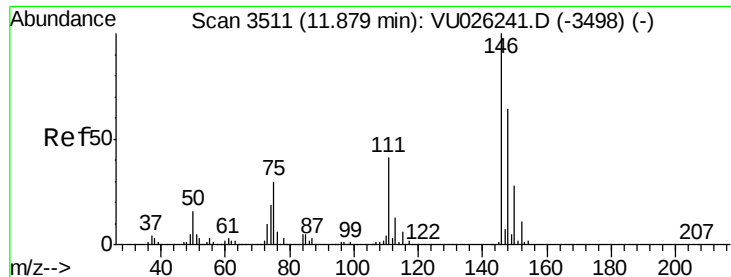
Ion Ratio Lower Upper

146 100

111 37.0 25.9 48.1

148 63.3 44.5 82.7





#65

1,2-Dichlorobenzene

Concen: 9.076 ug/L

RT: 11.88 min Scan# 3511

Delta R.T. 0.00 min

Lab File: VU026240.D

Acq: 22 Aug 2018 11:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD01041

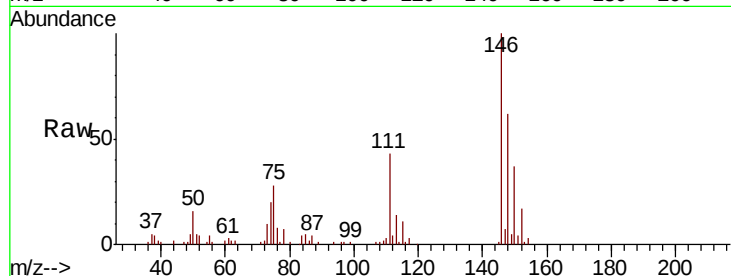
Tgt Ion:146 Resp: 41460

Ion Ratio Lower Upper

146 100

111 42.5 32.6 48.8

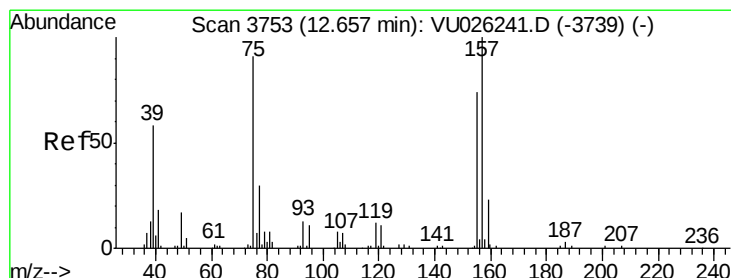
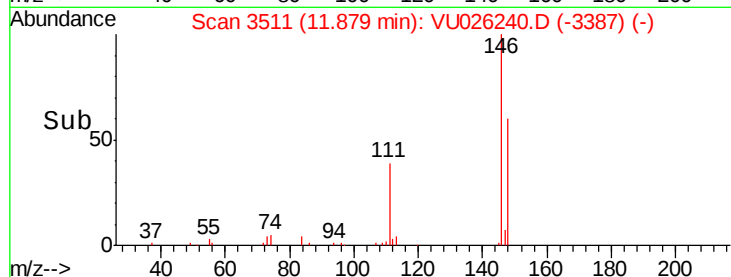
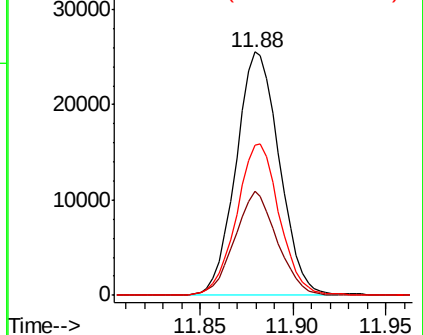
148 61.7 51.0 76.4



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: 9.053 ug/L

RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VU026240.D

Acq: 22 Aug 2018 11:42

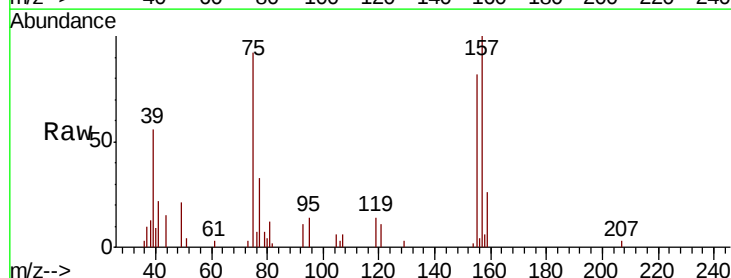
Tgt Ion: 75 Resp: 7215

Ion Ratio Lower Upper

75 100

155 89.9 65.0 97.6

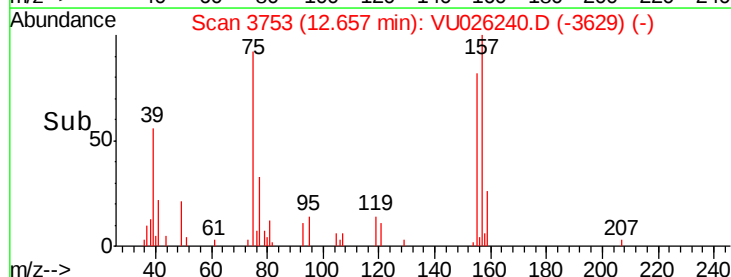
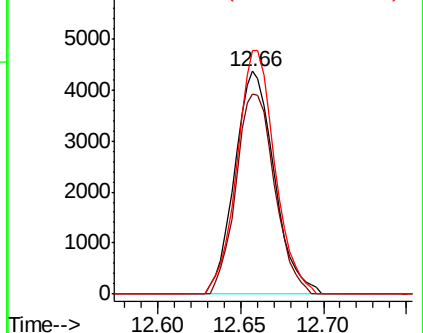
157 109.1 87.5 131.3

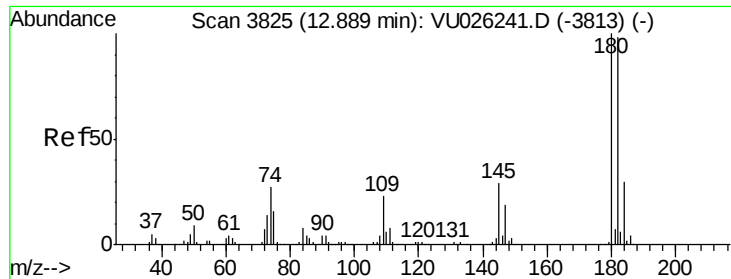


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

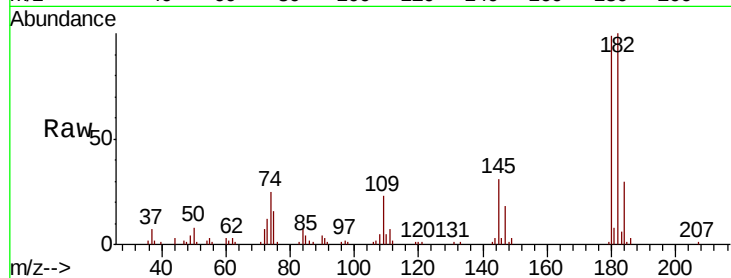




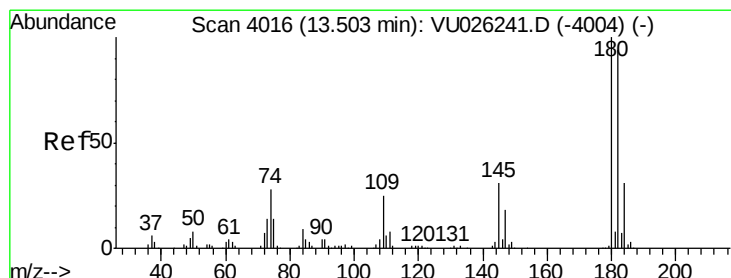
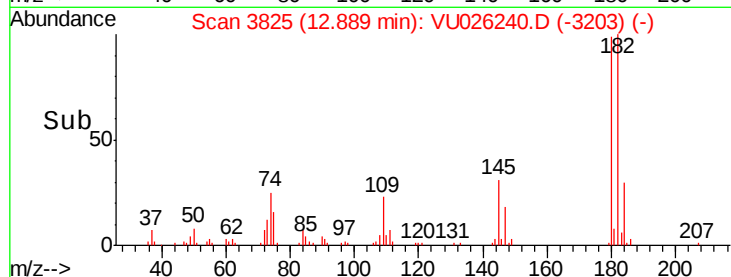
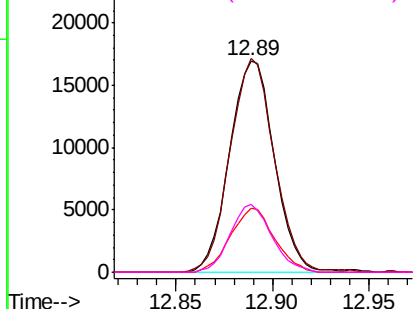
#67
 1,3,5-Trichlorobenzene
 Concen: 8.444 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU026240.D
 Acq: 22 Aug 2018 11:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01041

Tgt Ion:180 Resp: 27278
 Ion Ratio Lower Upper
 180 100
 182 99.6 77.9 116.9
 184 29.8 24.2 36.4
 145 29.7 23.4 35.2

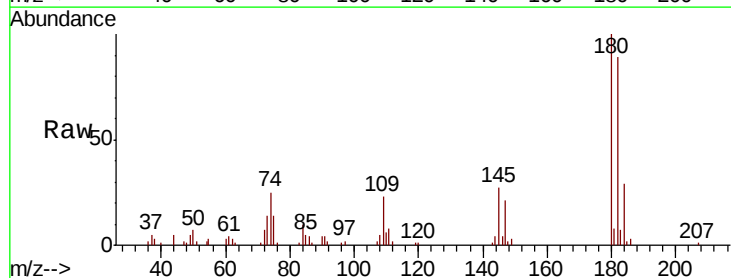


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

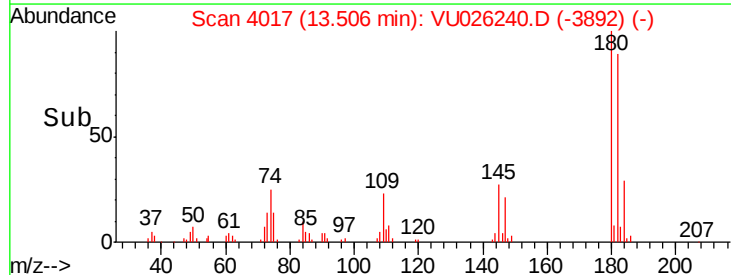
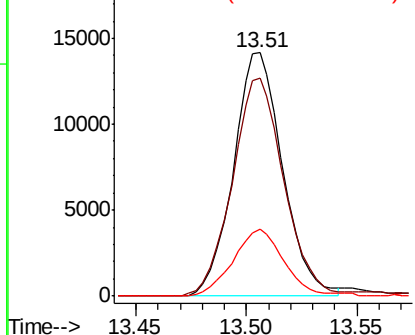


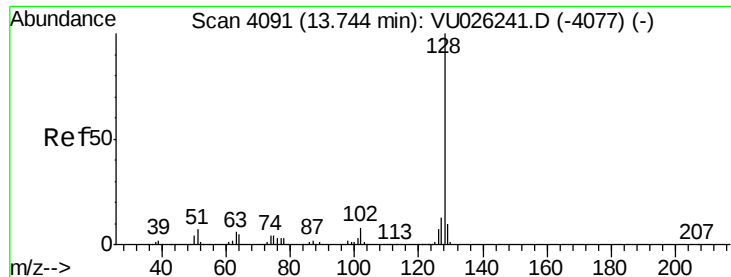
#68
 1,2,4-trichlorobenzene
 Concen: 7.962 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026240.D
 Acq: 22 Aug 2018 11:42

Tgt Ion:180 Resp: 21916
 Ion Ratio Lower Upper
 180 100
 182 94.0 75.8 113.6
 145 28.0 23.8 35.8



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: 7.363 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU026240.D

Acq: 22 Aug 2018 11:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD01041

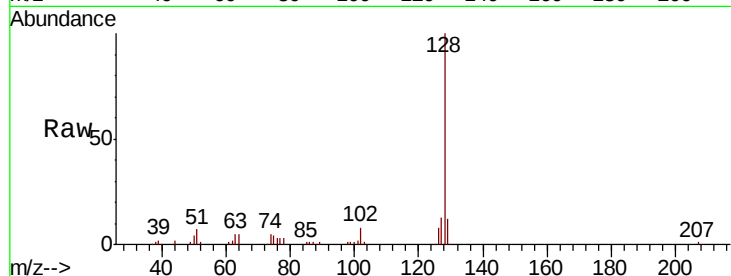
Tgt Ion:128 Resp: 64584

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

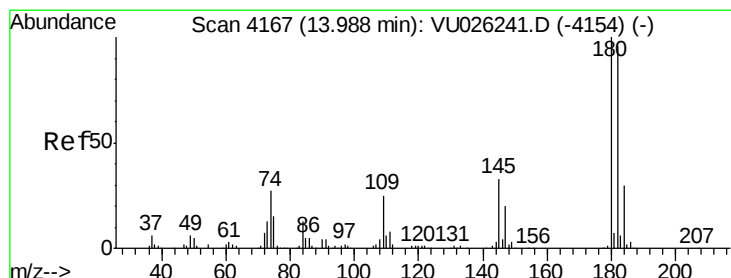
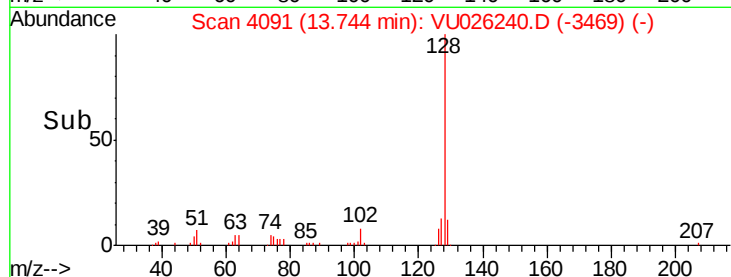
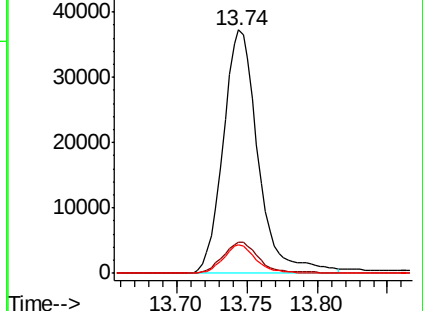
129 11.1 8.4 12.6



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: 8.689 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU026240.D

Acq: 22 Aug 2018 11:42

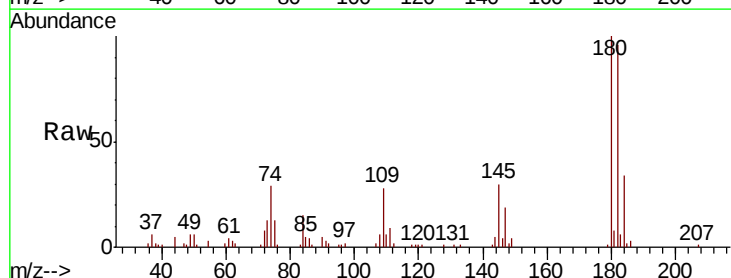
Tgt Ion:180 Resp: 25611

Ion Ratio Lower Upper

180 100

182 92.6 77.6 116.4

145 28.9 26.2 39.2



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

