

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071618\
 Data File : VU025414.D
 Acq On : 16 Jul 2018 10:00
 Operator : MD/SY
 Sample : VSTD00551
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00551

Quant Time: Jul 17 02:07:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071618WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 17 02:04:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	354302	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	328954	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	156459	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	10286	5.01	ug/L	0.00
7) Chloroethane-d5	1.68	69	8603	5.04	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	21830	4.85	ug/L	0.00
21) 2-Butanone-d5	4.18	46	17739	9.90	ug/L	0.00
24) Chloroform-d	4.65	84	23883	5.29	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	16998	5.38	ug/L	0.00
32) Benzene-d6	5.35	84	43563	4.90	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	13646	4.81	ug/L	0.00
41) Toluene-d8	7.57	98	42190	4.86	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	6572	4.62	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	13847	10.40	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	20595	5.06	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	16730	4.96	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	18122	5.716 ug/L	100
3) Chloromethane	1.33	50	20795	7.608 ug/L	100
5) Vinyl chloride	1.40	62	16069	5.930 ug/L	96
6) Bromomethane	1.63	94	4712	3.585 ug/L	95
8) Chloroethane	1.70	64	9612	5.881 ug/L	96
9) Trichlorofluoromethane	1.89	101	22371	5.714 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	13726	5.853 ug/L	99
12) 1,1-Dichloroethene	2.28	96	12235	5.741 ug/L	90
13) Acetone	2.32	43	27711	15.034 ug/L	98
14) Carbon disulfide	2.48	76	38460	5.934 ug/L	98
15) Methyl Acetate	2.62	43	16567	5.884 ug/L	98
16) Methylene chloride	2.70	84	15937	6.254 ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	13124	5.638 ug/L	99
18) Methyl tert-butyl Ether	3.00	73	46429	5.730 ug/L	98
19) 1,1-Dichloroethane	3.45	63	25240	5.685 ug/L	94
20) cis-1,2-Dichloroethene	4.23	96	15909	5.912 ug/L	95
22) 2-Butanone	4.27	43	28120	12.834 ug/L	98
23) Bromochloromethane	4.56	128	6804	4.980 ug/L	92
25) Chloroform	4.68	83	27277	5.755 ug/L	100
27) 1,2-Dichloroethane	5.41	62	22945	5.825 ug/L	# 95
29) Cyclohexane	5.00	56	22427	5.386 ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	25101	5.783 ug/L	100
31) Carbon tetrachloride	5.13	117	21484	5.670 ug/L	96
33) Benzene	5.39	78	55480	5.630 ug/L	100
34) Trichloroethene	6.19	95	15585	5.967 ug/L	93
35) Methylcyclohexane	6.42	83	24233	5.579 ug/L	97
37) 1,2-Dichloropropane	6.44	63	15335	5.807 ug/L	# 97
38) Bromodichloromethane	6.76	83	19633	5.640 ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	21878	5.268 ug/L	96
40) 4-Methyl-2-pentanone	7.46	43	46270	11.974 ug/L	96

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 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00551

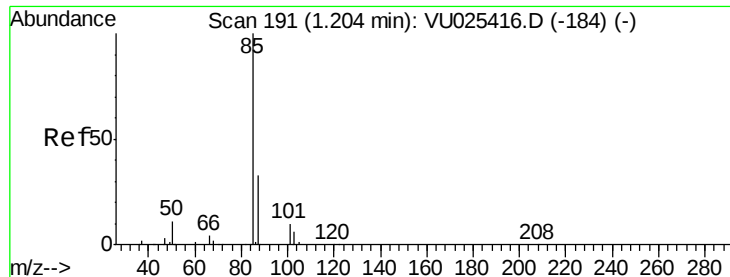
Quant Time: Jul 17 02:07:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071618WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 17 02:04:31 2018
 Response via : Initial Calibration

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

42) Toluene	7.64	91	57818	5.410	ug/L	98
44) trans-1,3-Dichloropropene	7.89	75	20138	5.232	ug/L	91
45) 1,1,2-Trichloroethane	8.07	97	14295	5.683	ug/L	96
46) Tetrachloroethene	8.23	164	11799	5.345	ug/L	97
48) 2-Hexanone	8.36	43	40818	13.120	ug/L	98
49) Dibromochloromethane	8.48	129	14292	4.906	ug/L	100
50) 1,2-Dibromoethane	8.59	107	15175	5.427	ug/L	97
51) Chlorobenzene	9.12	112	41653	5.830	ug/L	98
52) Ethylbenzene	9.25	91	66111	5.508	ug/L	98
53) m,p-Xylene	9.38	106	24884	5.355	ug/L	96
54) o-xylene	9.78	106	25682	5.515	ug/L	98
55) Styrene	9.80	104	39874	5.225	ug/L	97
56) Isopropylbenzene	10.17	105	65567	5.368	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	25244	5.933	ug/L	96
59) 1,2,3-Trichloropropane	10.50	75	21627	6.241	ug/L	100
61) Bromoform	9.96	173	9591	4.822	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	30015	5.780	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	30633	5.876	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	31931	5.840	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	5175	5.645	ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	21806	5.655	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	18846	5.831	ug/L	98
69) Naphthalene	13.75	128	63304	5.800	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	20699	5.927	ug/L	95

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU071618\  
Data File : VU025414.D  
Acq On    : 16 Jul 2018   10:00  
Operator  : MD/SY  
Sample    : VSTD00551  
Misc      : 5.0mL/MSVOA_U/WATER  
ALS Vial  : 2    Sample Multiplier: 1
```



#2

Dichlorodifluoromethane

Concen: 5.716 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025414.D

Acq: 16 Jul 2018 10:00

Instrument :

MSVOA_U

ClientSampleId :

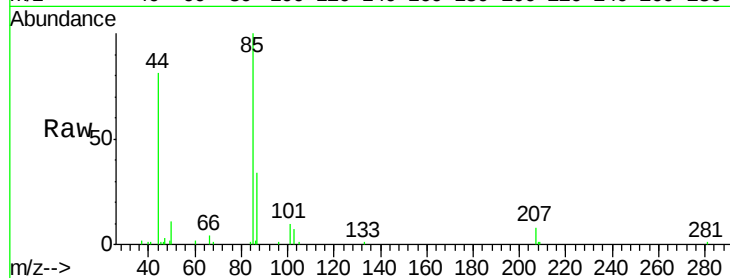
VSTD00551

Tgt Ion: 85 Resp: 18122

Ion Ratio Lower Upper

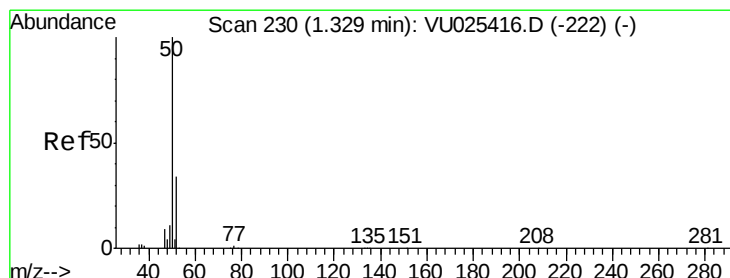
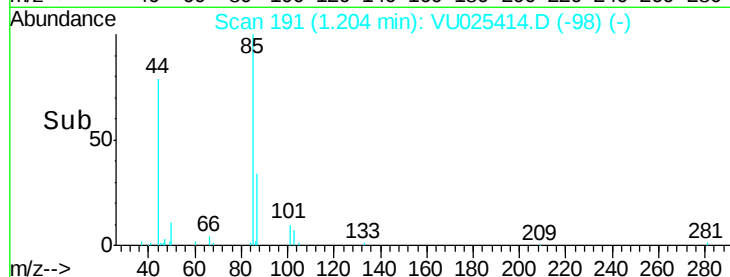
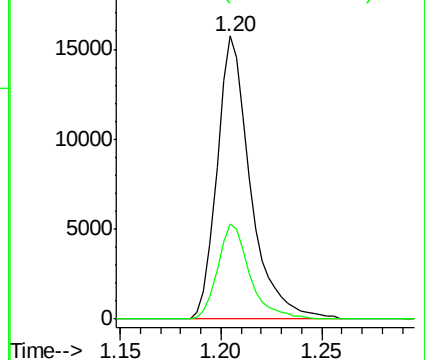
85 100

87 32.3 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 7.608 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025414.D

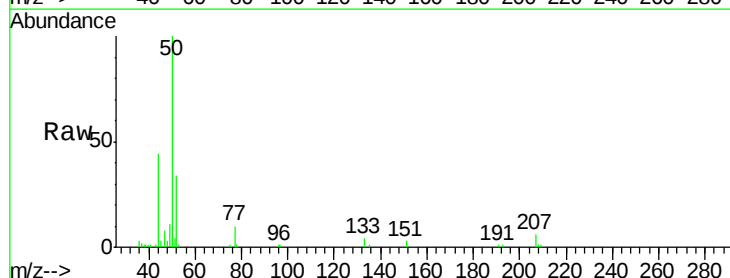
Acq: 16 Jul 2018 10:00

Tgt Ion: 50 Resp: 20795

Ion Ratio Lower Upper

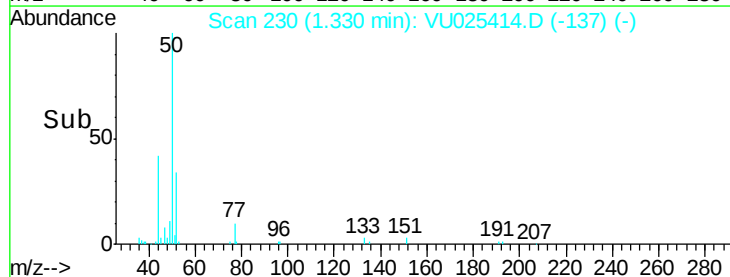
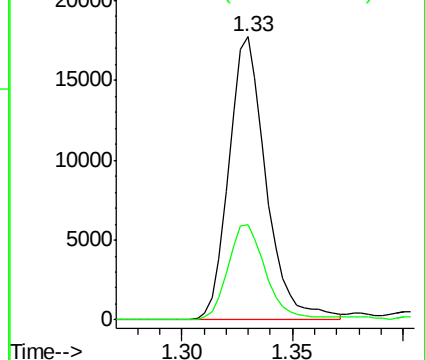
50 100

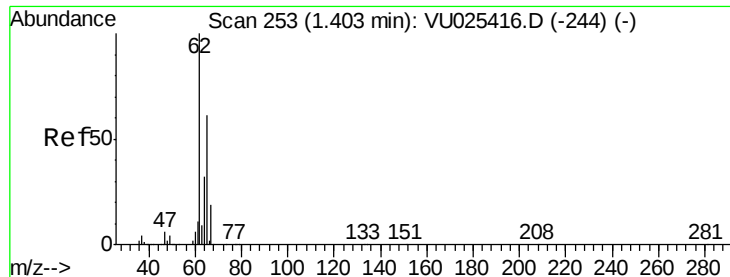
52 33.6 23.5 43.7



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 5.930 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025414.D

Acq: 16 Jul 2018 10:00

Instrument :

MSVOA_U

ClientSampleId :

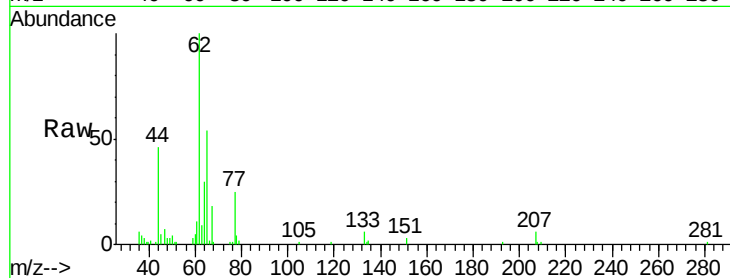
VSTD00551

Tgt Ion: 62 Resp: 16069

Ion Ratio Lower Upper

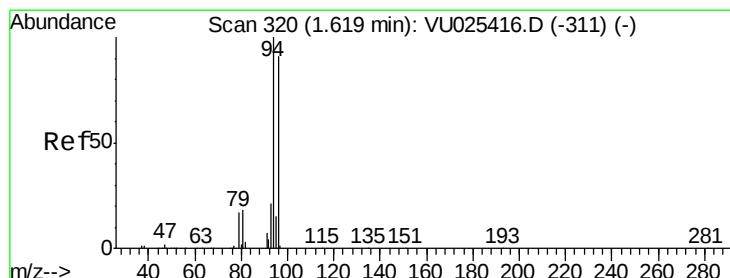
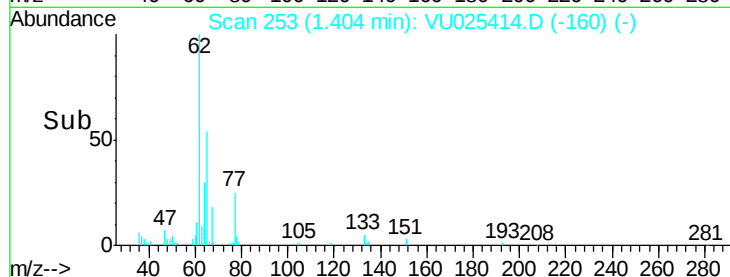
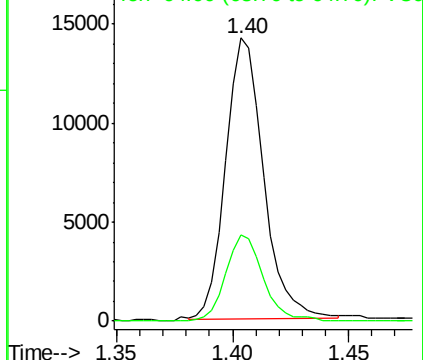
62 100

64 30.3 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 3.585 ug/L

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025414.D

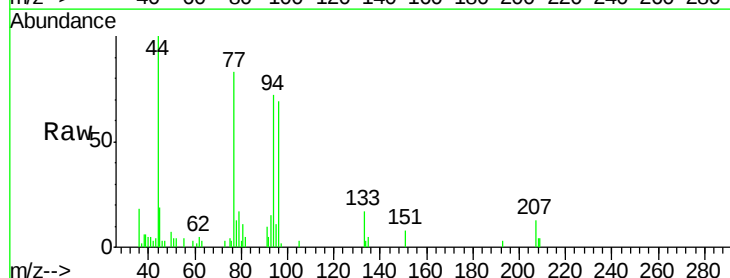
Acq: 16 Jul 2018 10:00

Tgt Ion: 94 Resp: 4712

Ion Ratio Lower Upper

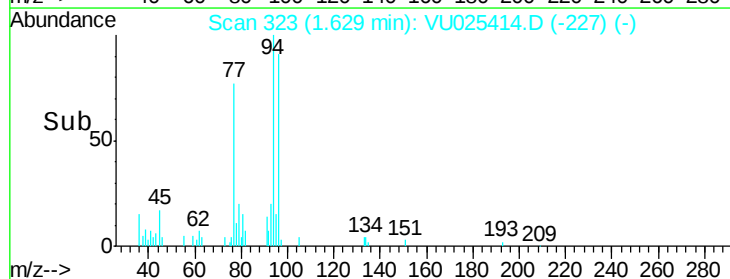
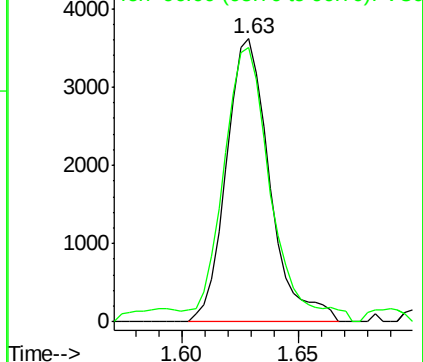
94 100

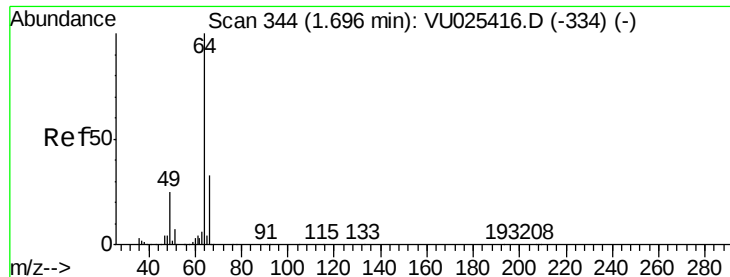
96 96.9 64.2 119.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 5.881 ug/L

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU025414.D

Acq: 16 Jul 2018 10:00

Instrument :

MSVOA_U

ClientSampleId :

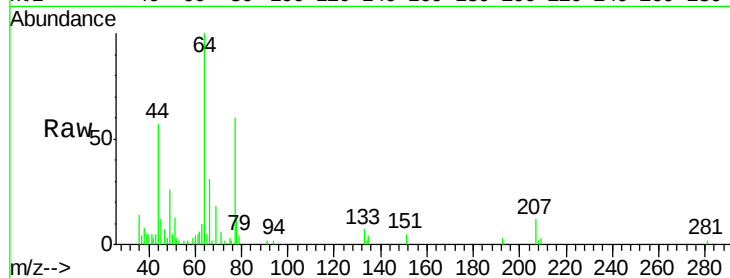
VSTD00551

Tgt Ion: 64 Resp: 9612

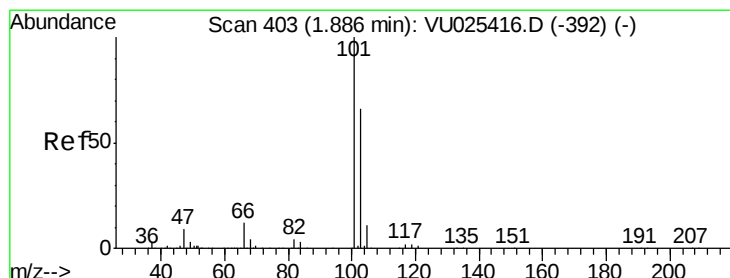
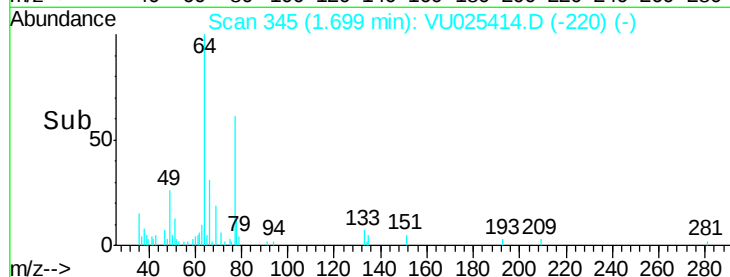
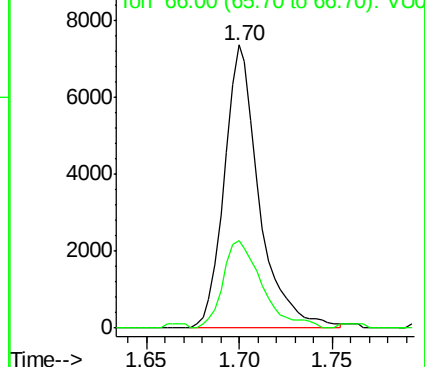
Ion Ratio Lower Upper

64 100

66 30.7 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VU025414.D (-220) (-)



#9

Trichlorofluoromethane

Concen: 5.714 ug/L

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU025414.D

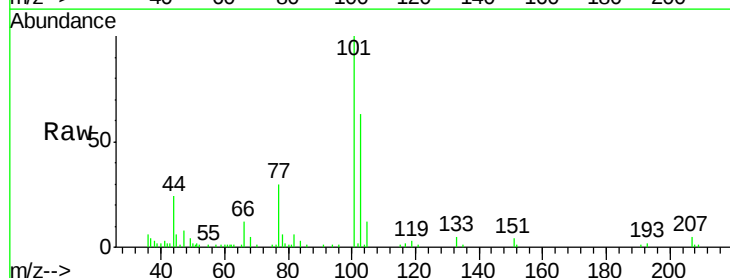
Acq: 16 Jul 2018 10:00

Tgt Ion: 101 Resp: 22371

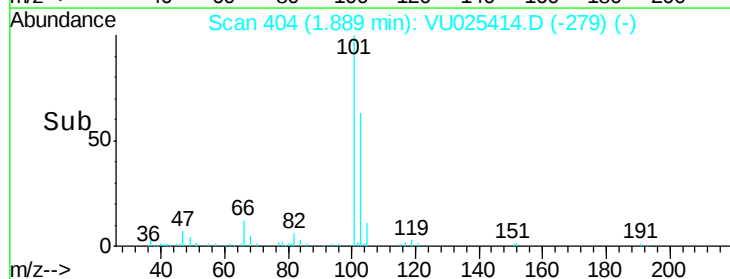
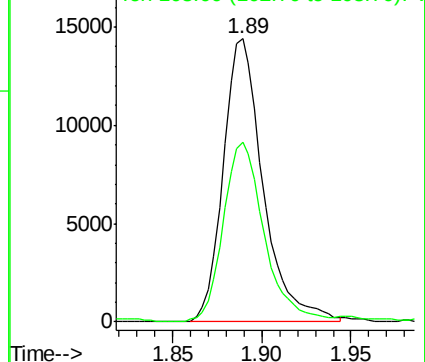
Ion Ratio Lower Upper

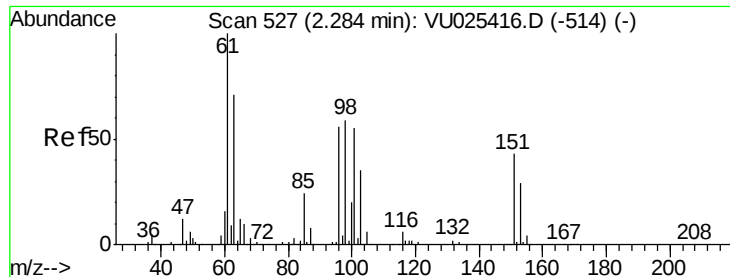
101 100

103 65.1 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VU025414.D (-279) (-)





#10

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

Concen: 5.853 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025414.D

Acq: 16 Jul 2018 10:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00551

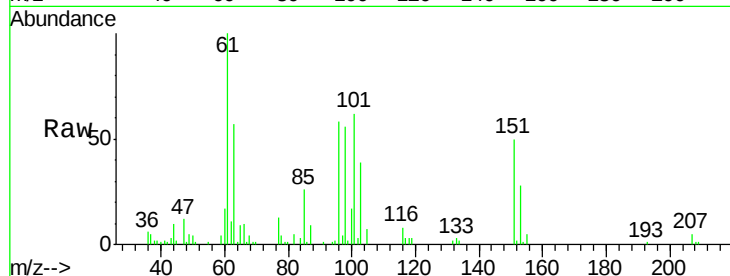
Tgt Ion:101 Resp: 13726

Ion Ratio Lower Upper

101 100

85 41.9 34.7 52.1

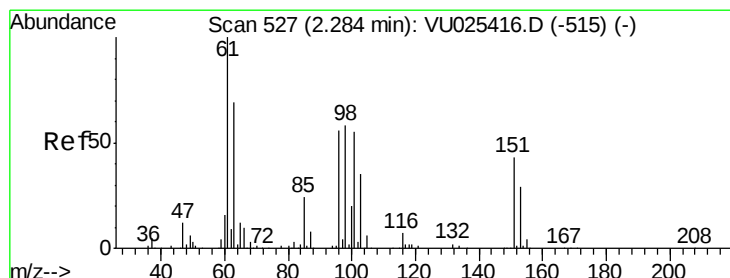
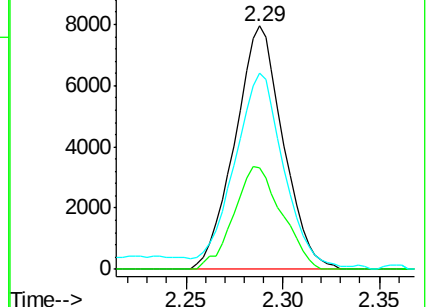
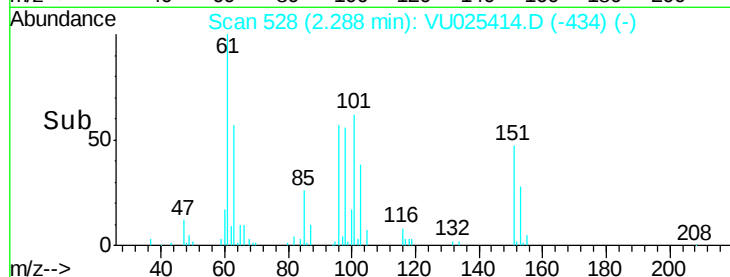
151 79.9 64.4 96.6



Abundance Ion 101.00 (100.70 to 101.70): VU025414.D (-434) (-)

Ion 85.00 (84.70 to 85.70): VU025414.D (-434) (-)

Ion 151.00 (150.70 to 151.70): VU025414.D (-434) (-)



#12

1,1-Dichloroethene

Concen: 5.741 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025414.D

Acq: 16 Jul 2018 10:00

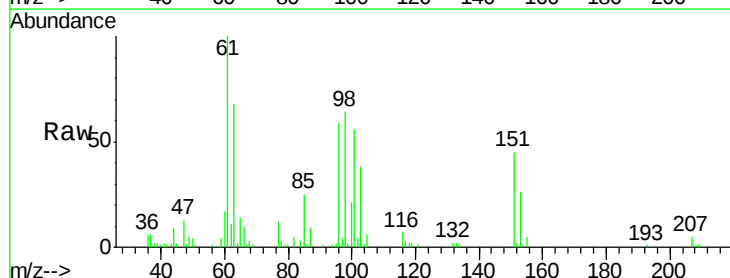
Tgt Ion: 96 Resp: 12235

Ion Ratio Lower Upper

96 100

61 168.5 125.9 233.9

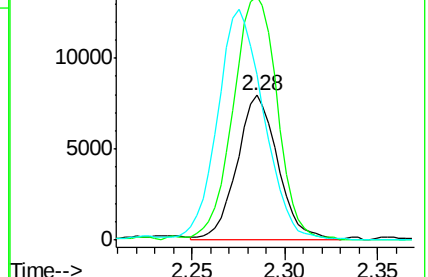
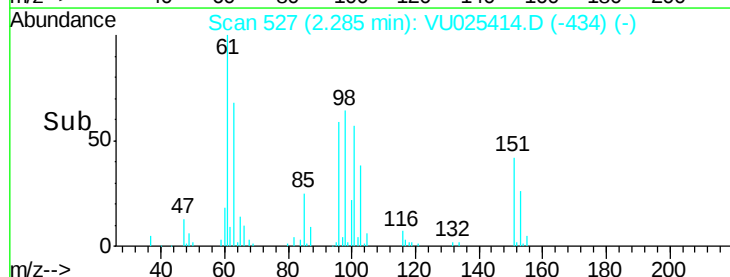
63 114.5 90.4 167.8

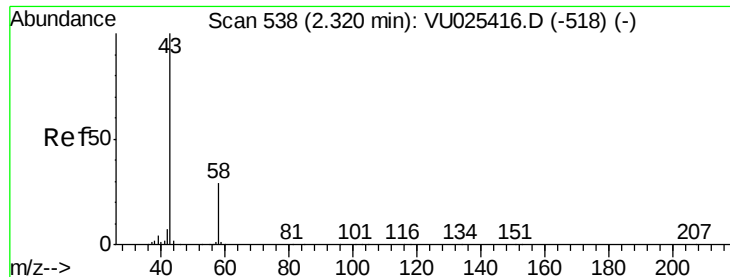


Abundance Ion 96.00 (95.70 to 96.70): VU025414.D (-434) (-)

Ion 61.00 (60.70 to 61.70): VU025414.D (-434) (-)

Ion 63.00 (62.70 to 63.70): VU025414.D (-434) (-)





#13

Acetone

Concen: 15.034 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU025414.D

Acq: 16 Jul 2018 10:00

Instrument :

MSVOA_U

ClientSampleId :

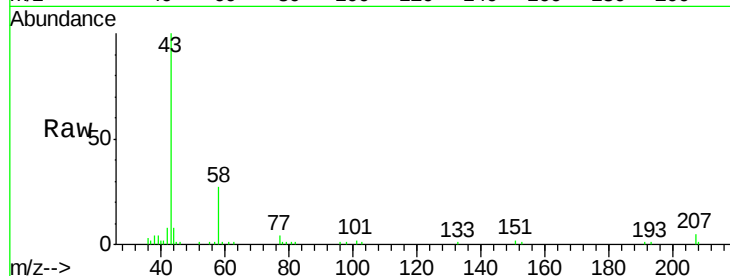
VSTD00551

Tgt Ion: 43 Resp: 27711

Ion Ratio Lower Upper

43 100

58 28.0 0.0 58.4



Abundance Ion 43.00 (42.70 to 43.70): VU025414.D (-518) (-)

Ion 58.00 (57.70 to 58.70): VU025414.D (-518) (-)

20000

15000

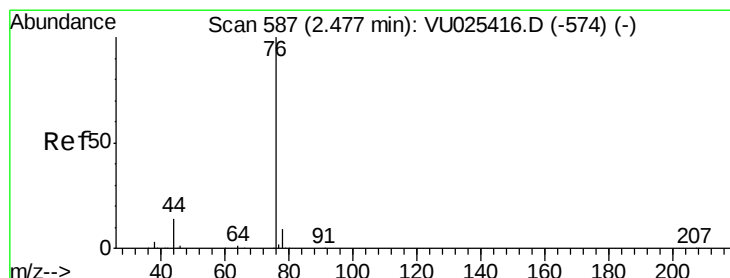
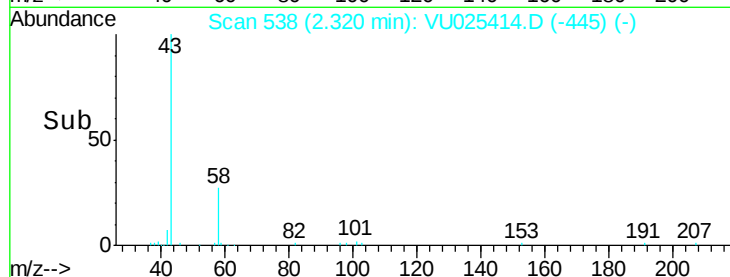
10000

5000

0

2.25 2.30 2.35 2.40

Time-->



#14

Carbon disulfide

Concen: 5.934 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025414.D

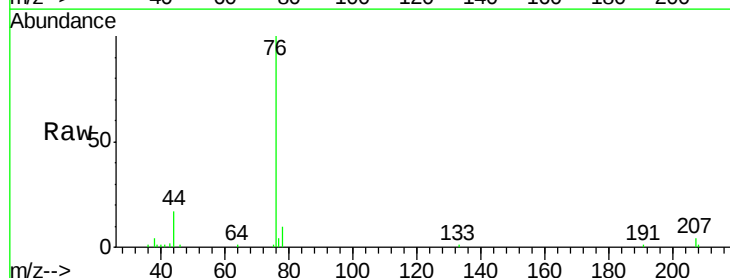
Acq: 16 Jul 2018 10:00

Tgt Ion: 76 Resp: 38460

Ion Ratio Lower Upper

76 100

78 9.7 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU025414.D (-574) (-)

Ion 78.00 (77.70 to 78.70): VU025414.D (-574) (-)

25000

20000

15000

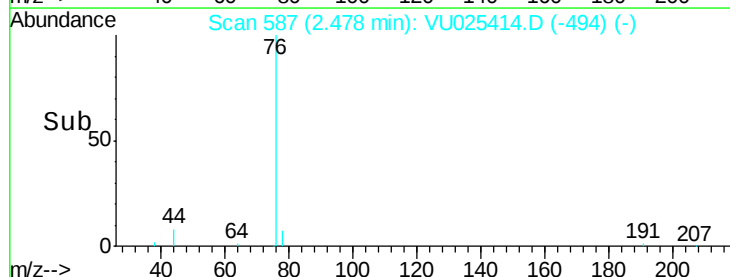
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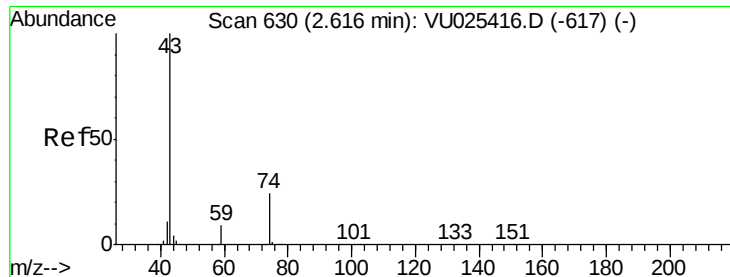
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0

2.40 2.45 2.50 2.55 2.60

Time-->

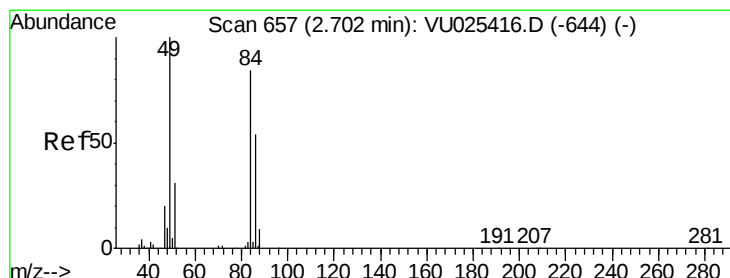
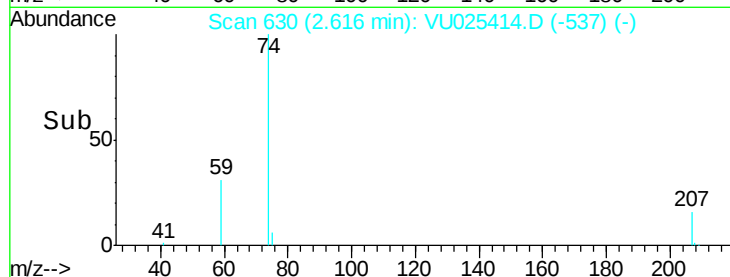
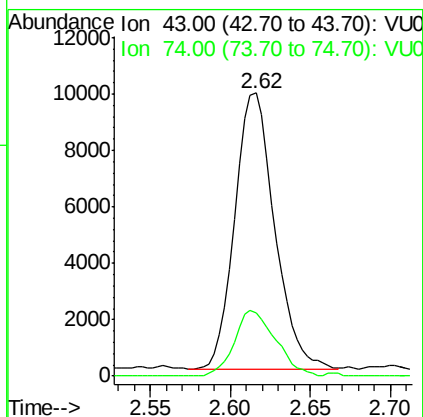
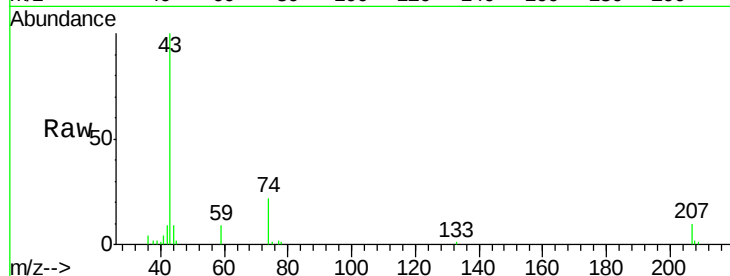




#15
Methyl Acetate
Concen: 5.884 ug/L
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025414.D
Acq: 16 Jul 2018 10:00

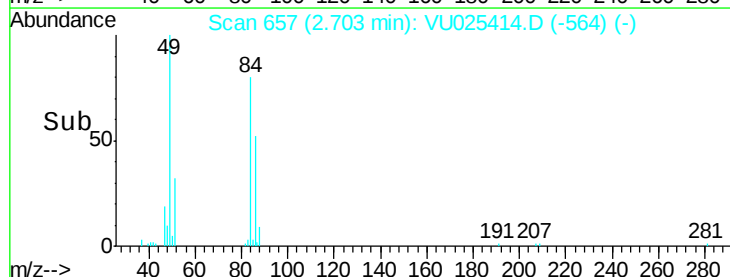
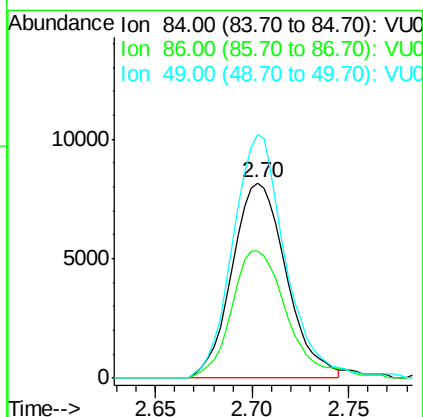
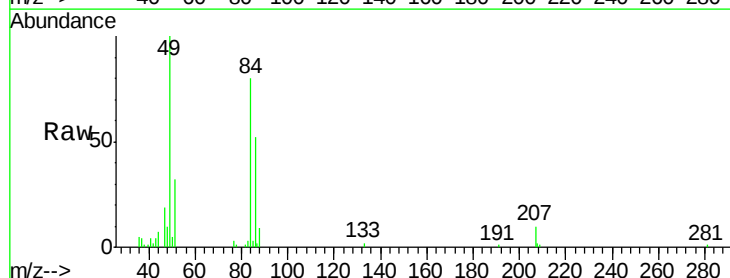
Instrument :
MSVOA_U
ClientSampleId :
VSTD00551

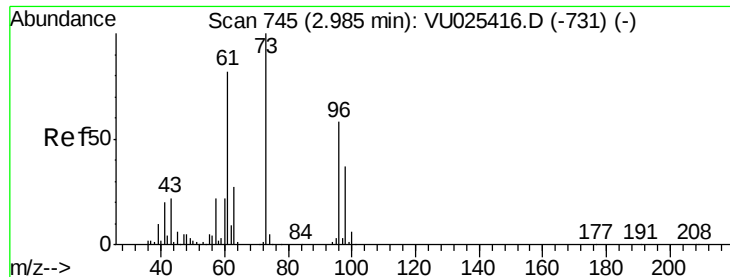
Tgt Ion: 43 Resp: 16567
Ion Ratio Lower Upper
43 100
74 24.6 18.8 28.2



#16
Methylene chloride
Concen: 6.254 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025414.D
Acq: 16 Jul 2018 10:00

Tgt Ion: 84 Resp: 15937
Ion Ratio Lower Upper
84 100
86 65.2 45.2 84.0
49 124.7 83.6 155.2





#17

trans-1,2-Dichloroethene

Concen: 5.638 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025414.D

Acq: 16 Jul 2018 10:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00551

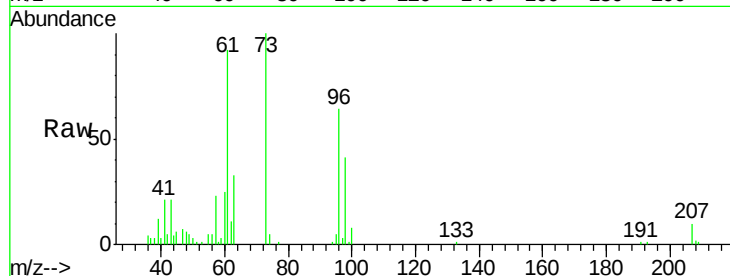
Tgt Ion: 96 Resp: 13124

Ion Ratio Lower Upper

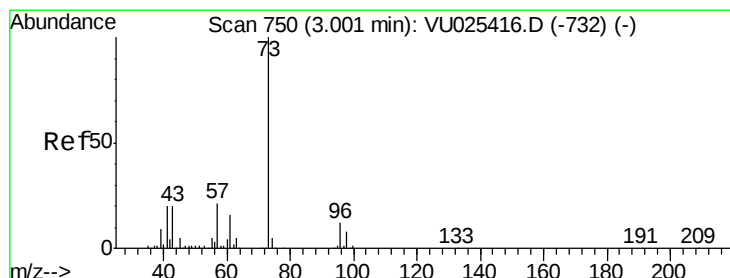
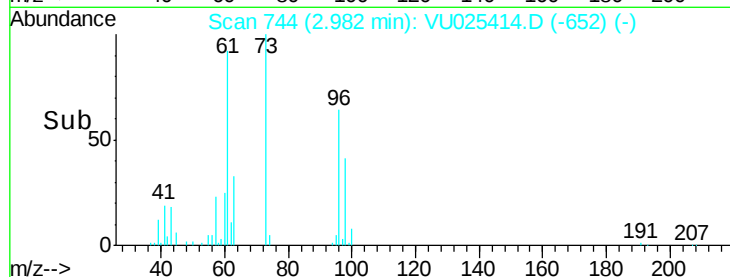
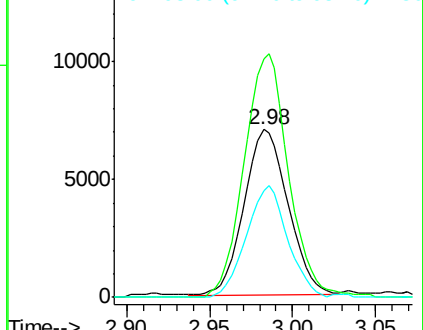
96 100

61 142.6 98.2 182.4

98 64.0 44.4 82.5



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: 5.730 ug/L

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU025414.D

Acq: 16 Jul 2018 10:00

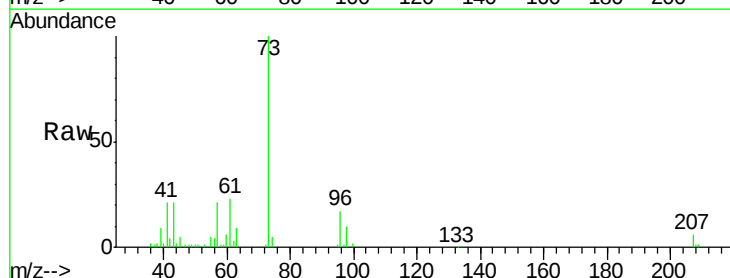
Tgt Ion: 73 Resp: 46429

Ion Ratio Lower Upper

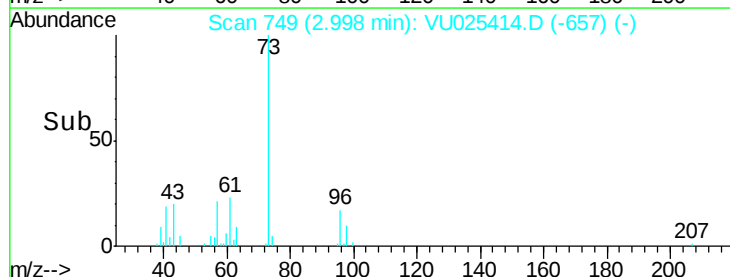
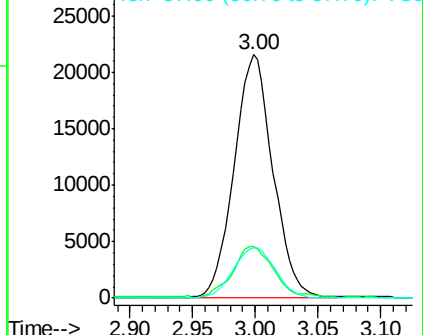
73 100

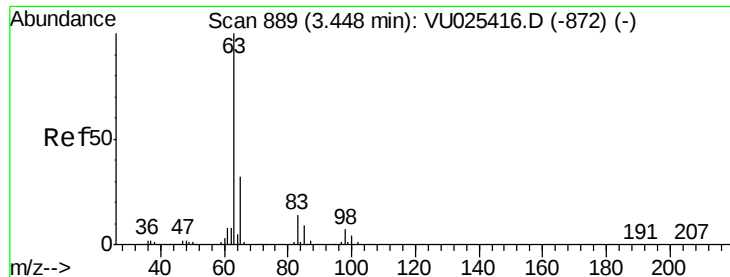
43 22.2 16.7 25.1

57 22.4 17.3 25.9



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

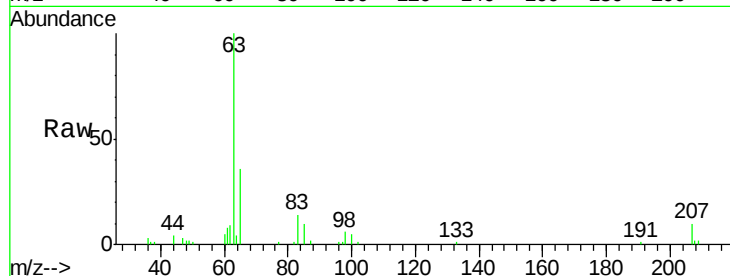




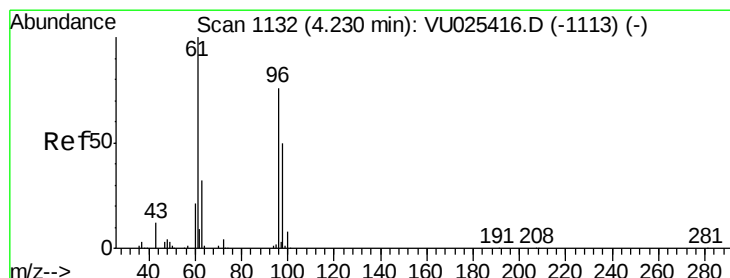
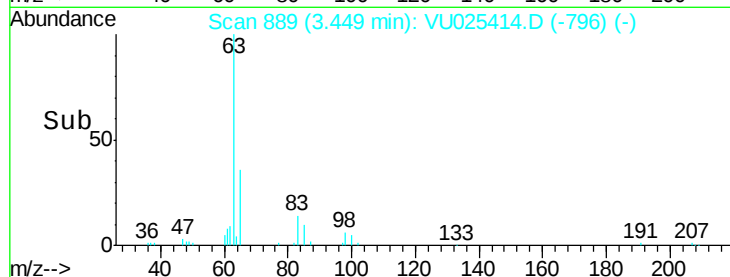
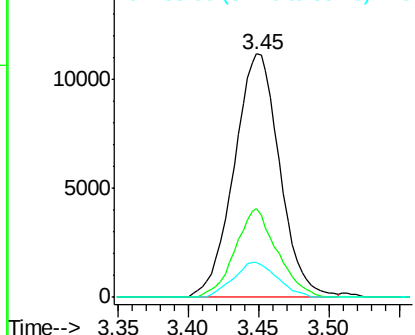
#19
 1,1-Dichloroethane
 Concen: 5.685 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU025414.D
 Acq: 16 Jul 2018 10:00

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00551

Tgt Ion: 63 Resp: 25240
 Ion Ratio Lower Upper
 63 100
 65 36.5 22.6 42.0
 83 14.2 9.6 17.8

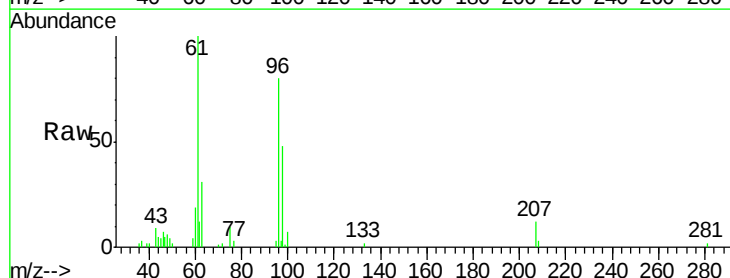


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

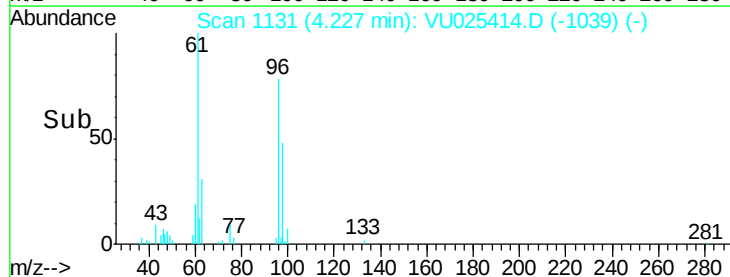
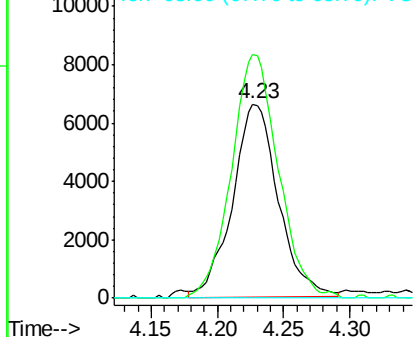


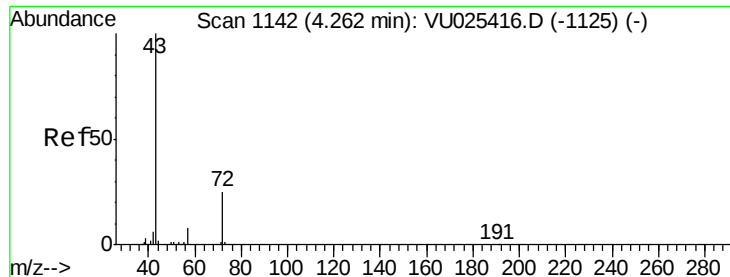
#20
 cis-1,2-Dichloroethene
 Concen: 5.912 ug/L
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU025414.D
 Acq: 16 Jul 2018 10:00

Tgt Ion: 96 Resp: 15909
 Ion Ratio Lower Upper
 96 100
 61 125.6 92.0 170.9
 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: 12.834 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025414.D

Acq: 16 Jul 2018 10:00

Instrument :

MSVOA_U

ClientSampleId :

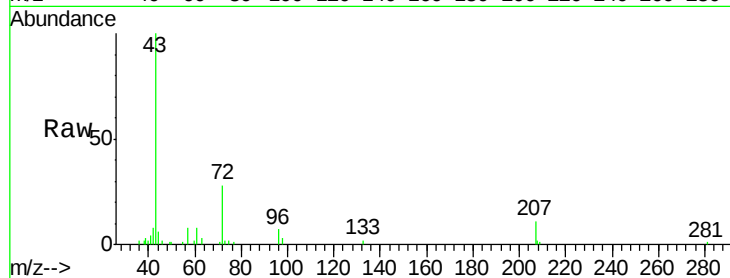
VSTD00551

Tgt Ion: 43 Resp: 28120

Ion Ratio Lower Upper

43 100

72 27.5 13.3 39.9

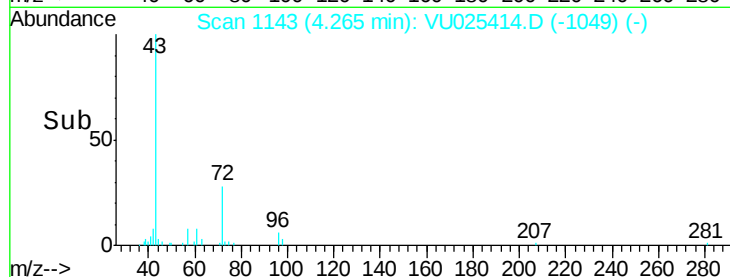


Abundance Ion 43.00 (42.70 to 43.70): VU025414.D (-1142) (-)

Ion 72.00 (71.70 to 72.70): VU025414.D (-1142) (-)

4.27

Time-->



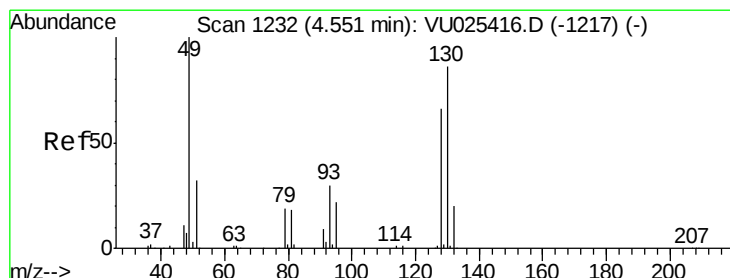
Abundance

Ion 43.00 (42.70 to 43.70): VU025414.D (-1142) (-)

Ion 72.00 (71.70 to 72.70): VU025414.D (-1142) (-)

4.27

Time-->



#23

Bromochloromethane

Concen: 4.980 ug/L

RT: 4.56 min Scan# 1234

Delta R.T. 0.01 min

Lab File: VU025414.D

Acq: 16 Jul 2018 10:00

Tgt Ion: 128 Resp: 6804

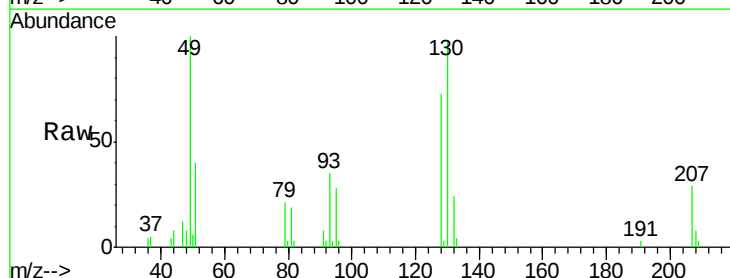
Ion Ratio Lower Upper

128 100

49 137.8 106.5 197.7

130 133.8 91.4 169.8

51 54.7 38.6 58.0



Abundance Ion 128.00 (127.70 to 128.70): VU025414.D (-1232) (-)

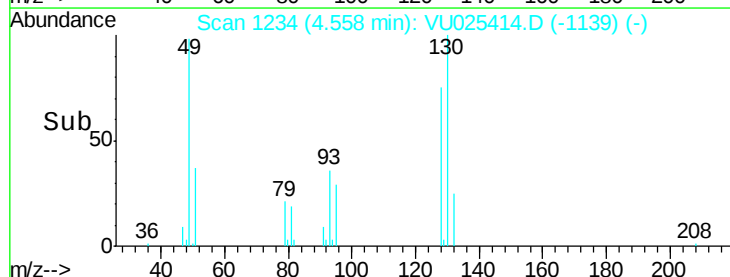
Ion 49.00 (48.70 to 49.70): VU025414.D (-1232) (-)

Ion 130.00 (129.70 to 130.70): VU025414.D (-1232) (-)

Ion 51.00 (50.70 to 51.70): VU025414.D (-1232) (-)

4.56

Time-->



Abundance

Ion 128.00 (127.70 to 128.70): VU025414.D (-1232) (-)

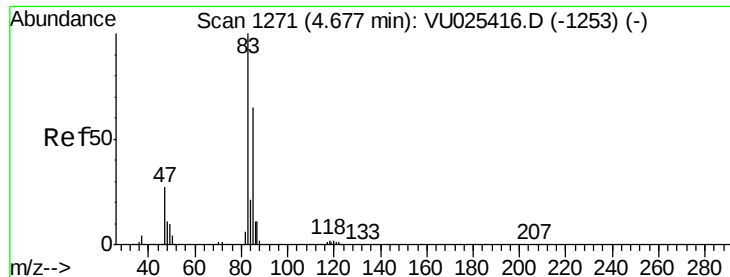
Ion 49.00 (48.70 to 49.70): VU025414.D (-1232) (-)

Ion 130.00 (129.70 to 130.70): VU025414.D (-1232) (-)

Ion 51.00 (50.70 to 51.70): VU025414.D (-1232) (-)

4.56

Time-->



#25

Chloroform

Concen: 5.755 ug/L

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU025414.D

Acq: 16 Jul 2018 10:00

Instrument :

MSVOA_U

ClientSampled :

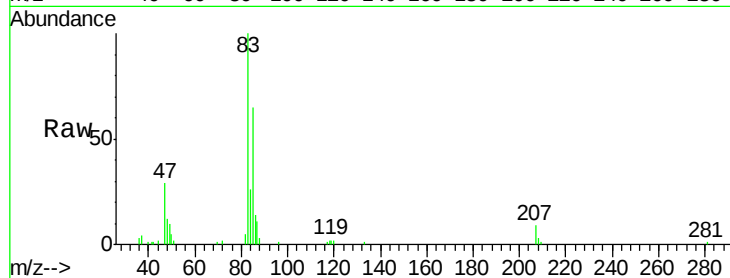
VSTD00551

Tgt Ion: 83 Resp: 27277

Ion Ratio Lower Upper

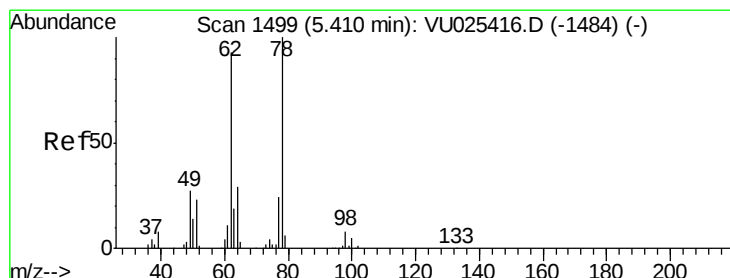
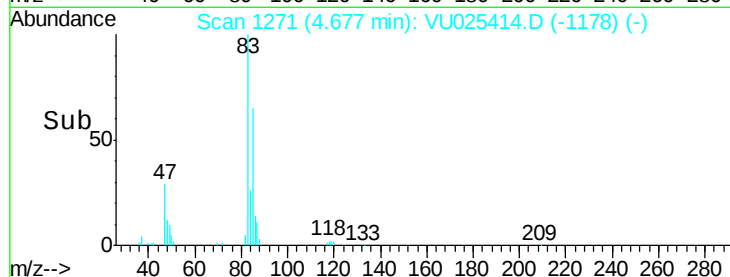
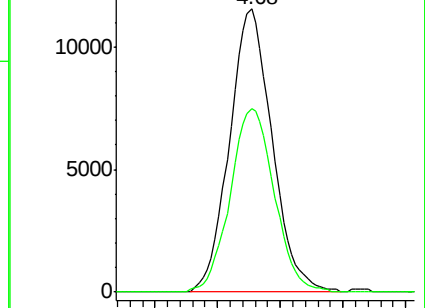
83 100

85 65.0 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#27

1,2-Dichloroethane

Concen: 5.825 ug/L

RT: 5.41 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU025414.D

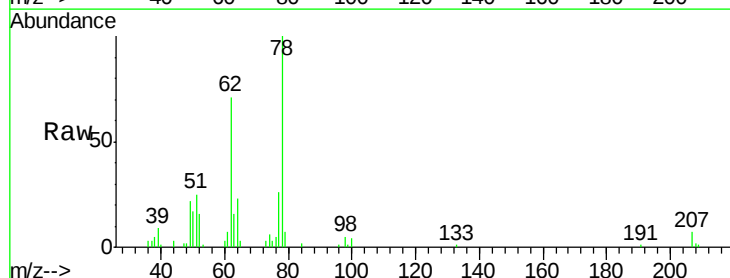
Acq: 16 Jul 2018 10:00

Tgt Ion: 62 Resp: 22945

Ion Ratio Lower Upper

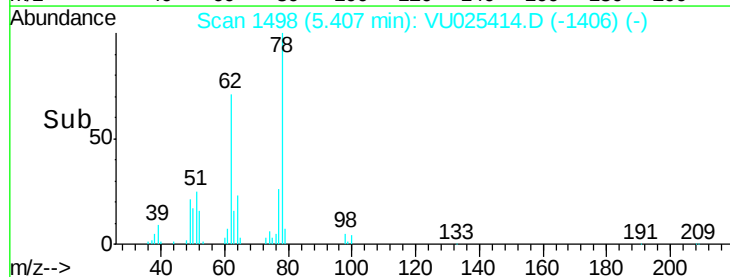
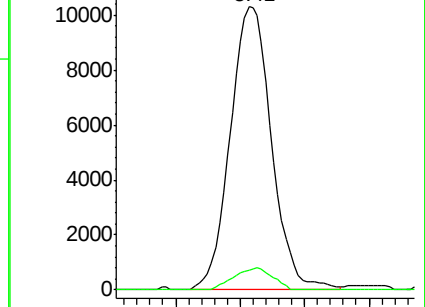
62 100

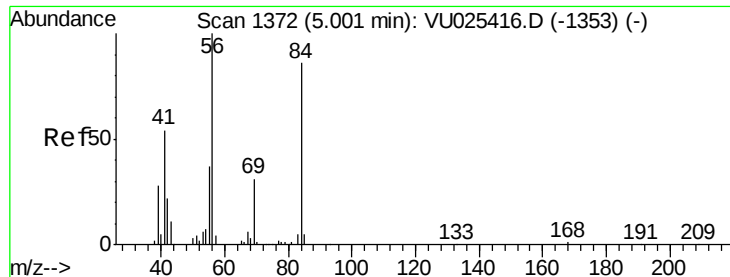
98 6.9 7.0 10.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

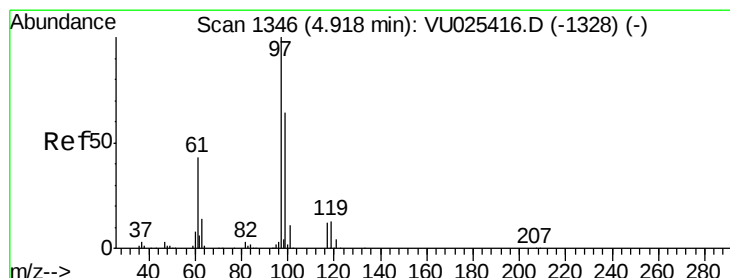
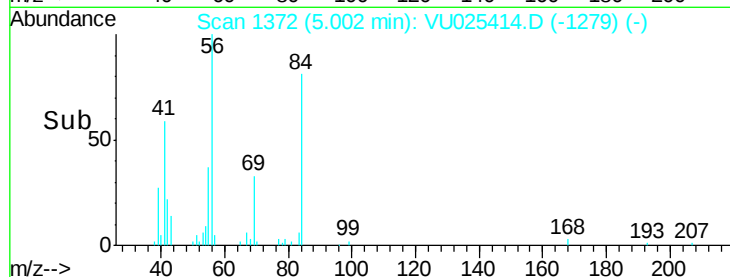
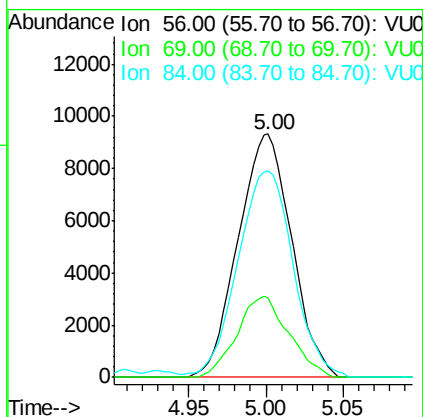
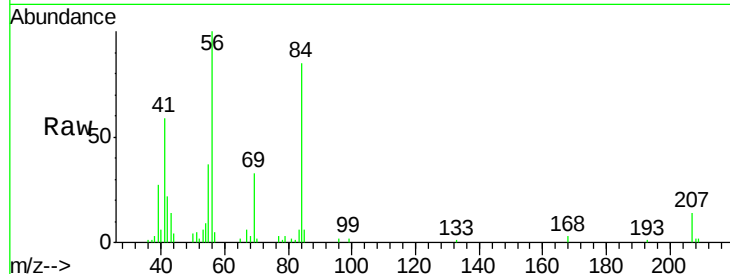




#29
Cyclohexane
Concen: 5.386 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025414.D
Acq: 16 Jul 2018 10:00

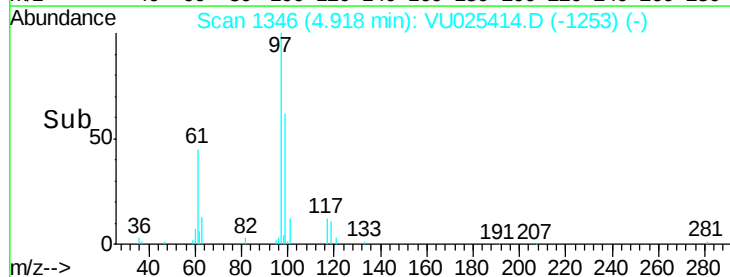
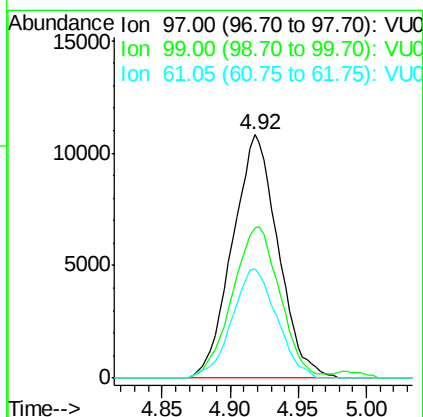
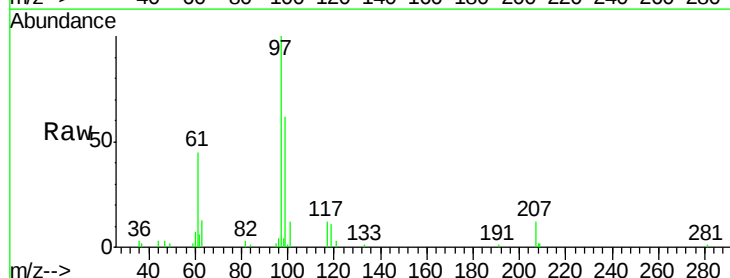
Instrument :
MSVOA_U
ClientSampleId :
VSTD00551

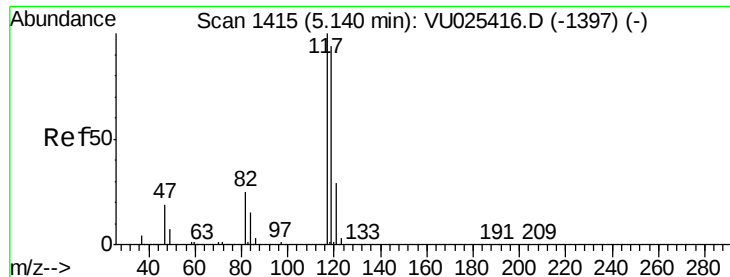
Tgt Ion: 56 Resp: 22427
Ion Ratio Lower Upper
56 100
69 32.2 24.8 37.2
84 87.9 70.0 105.0



#30
1,1,1-Trichloroethane
Concen: 5.783 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025414.D
Acq: 16 Jul 2018 10:00

Tgt Ion: 97 Resp: 25101
Ion Ratio Lower Upper
97 100
99 64.9 51.8 77.8
61 44.0 34.8 52.2





#31

Carbon tetrachloride

Concen: 5.670 ug/L

RT: 5.13 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VU025414.D

Acq: 16 Jul 2018 10:00

Instrument :

MSVOA_U

ClientSampleId :

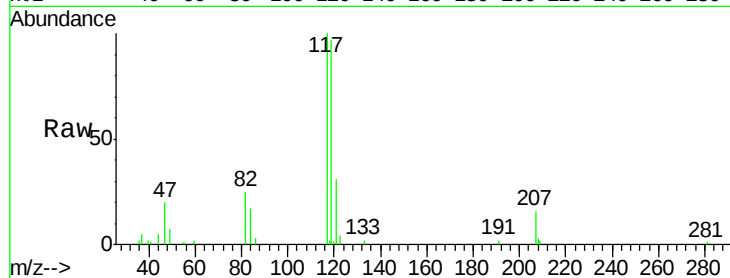
VSTD00551

Tgt Ion:117 Resp: 21484

Ion Ratio Lower Upper

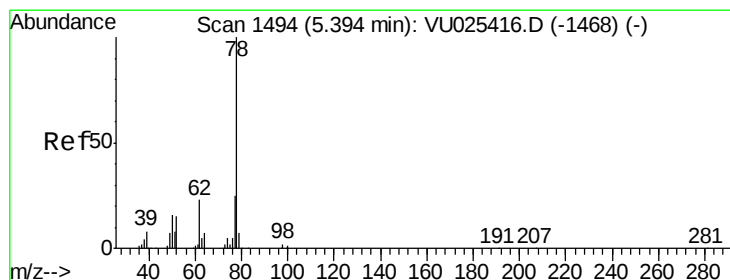
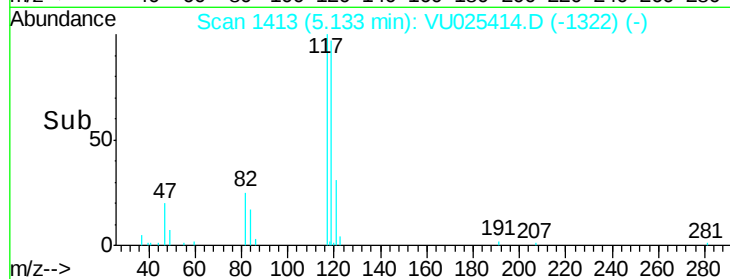
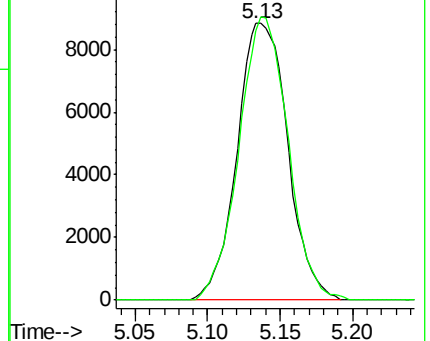
117 100

119 98.9 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 5.630 ug/L

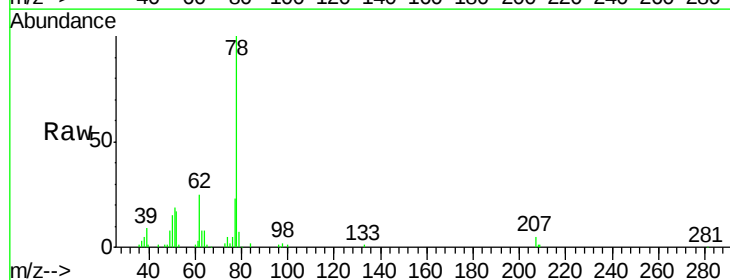
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

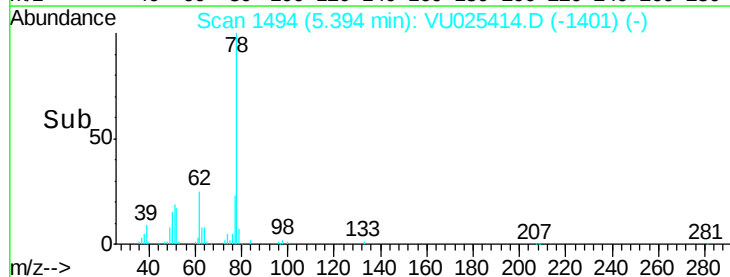
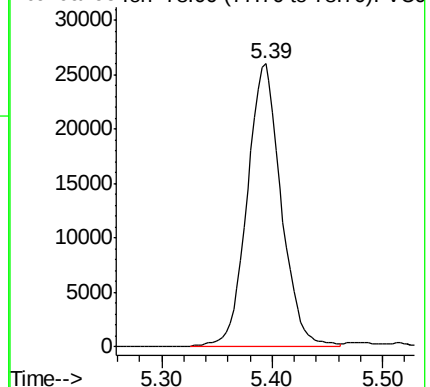
Lab File: VU025414.D

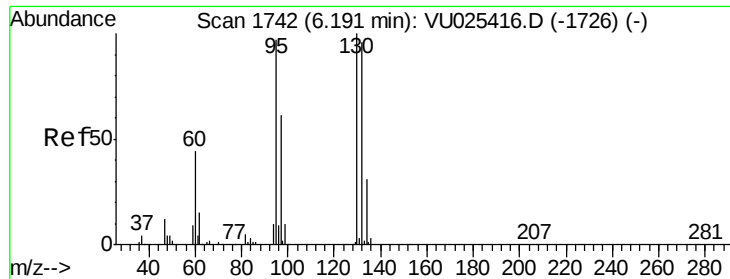
Acq: 16 Jul 2018 10:00

Tgt Ion: 78 Resp: 55480



Abundance Ion 78.00 (77.70 to 78.70): VU0

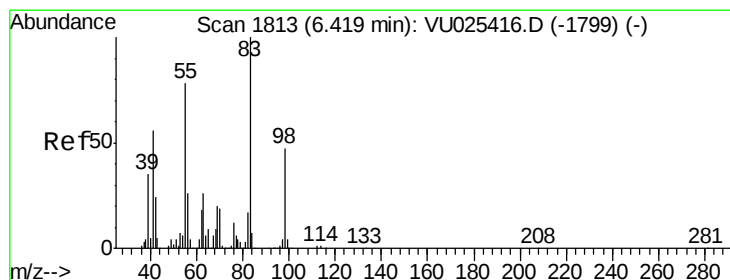
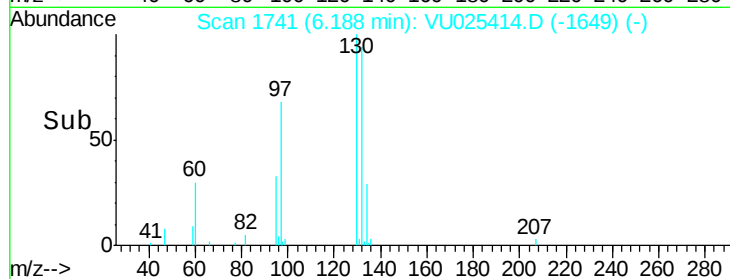
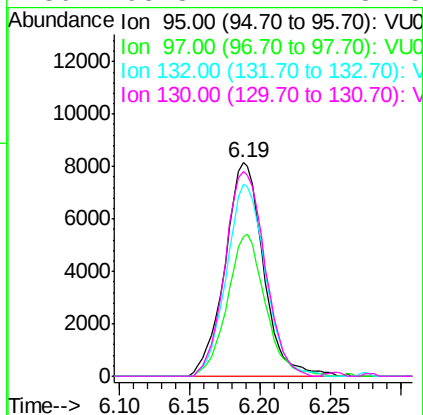
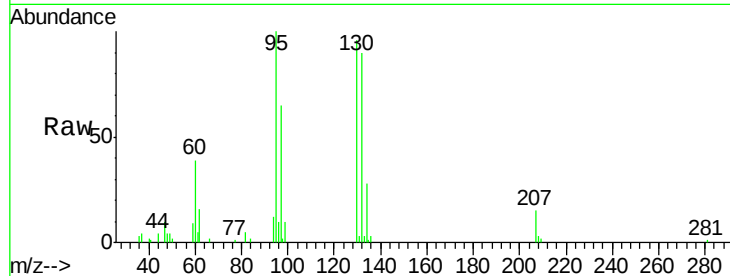




#34
 Trichloroethene
 Concen: 5.967 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU025414.D
 Acq: 16 Jul 2018 10:00

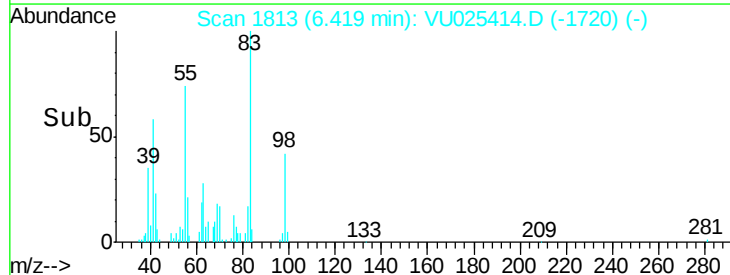
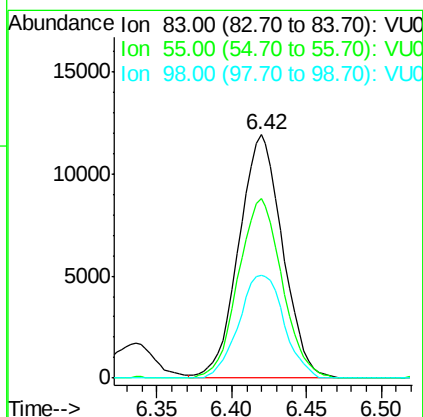
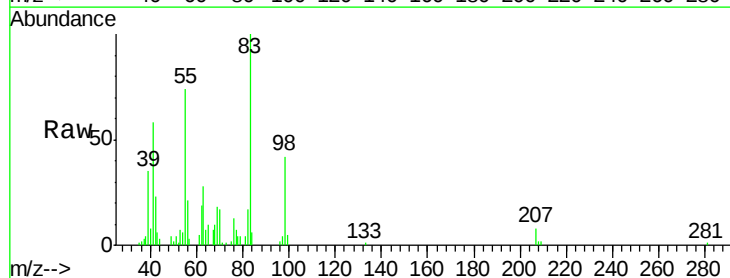
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00551

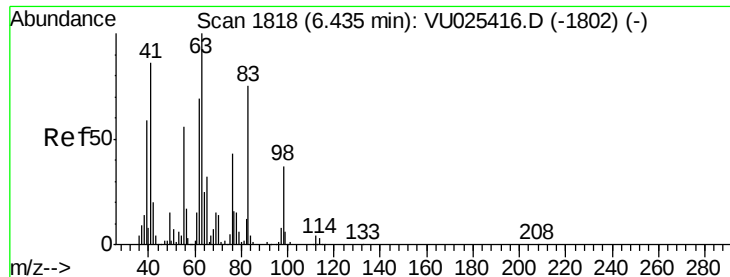
Tgt Ion:	95	Resp:	15585
Ion	Ratio	Lower	Upper
95	100		
97	65.4	44.3	82.3
132	90.0	69.6	129.2
130	95.8	72.4	134.5



#35
 Methylcyclohexane
 Concen: 5.579 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU025414.D
 Acq: 16 Jul 2018 10:00

Tgt Ion:	83	Resp:	24233
Ion	Ratio	Lower	Upper
83	100		
55	73.9	60.6	90.8
98	43.6	37.6	56.4

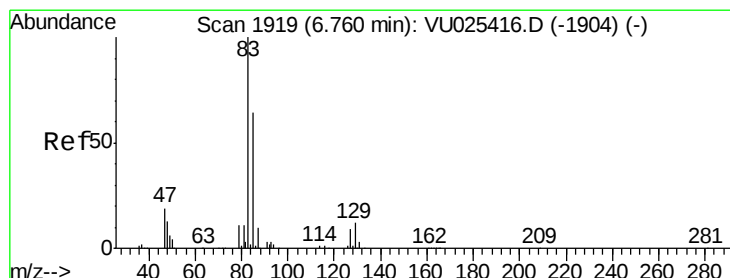
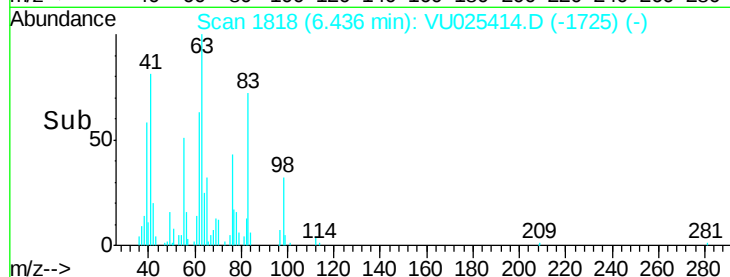
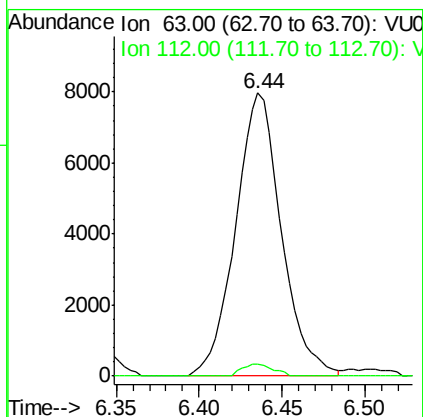
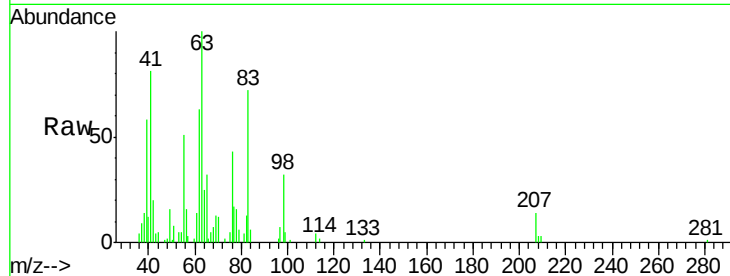




#37
 1,2-Dichloropropane
 Concen: 5.807 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025414.D
 Acq: 16 Jul 2018 10:00

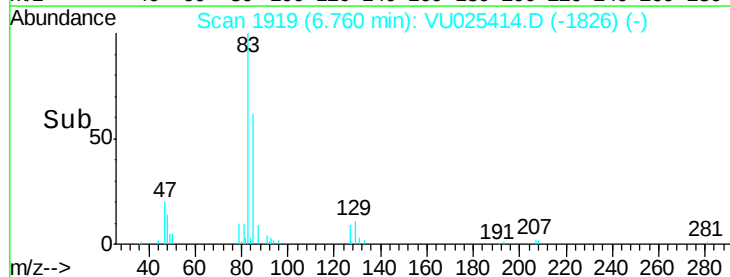
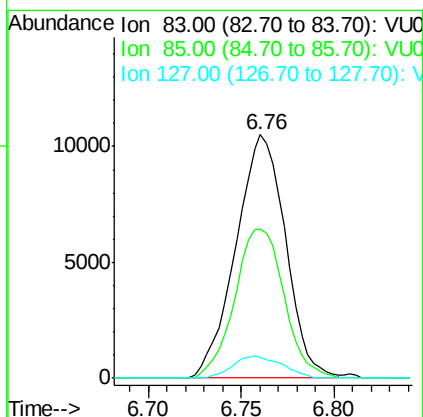
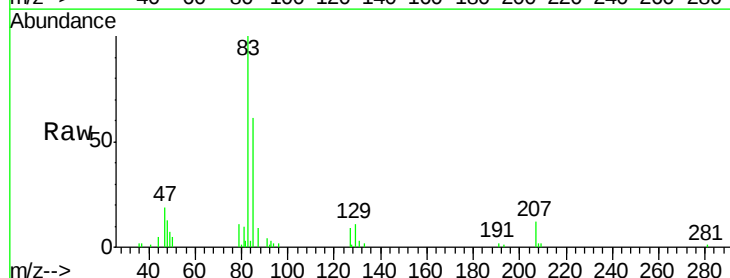
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00551

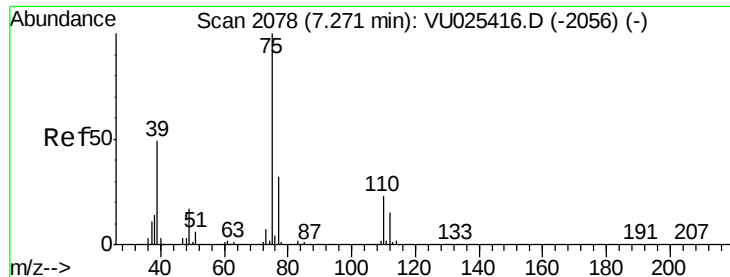
Tgt Ion: 63 Resp: 15335
 Ion Ratio Lower Upper
 63 100
 112 3.0 3.3 4.9#



#38
 Bromodichloromethane
 Concen: 5.640 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU025414.D
 Acq: 16 Jul 2018 10:00

Tgt Ion: 83 Resp: 19633
 Ion Ratio Lower Upper
 83 100
 85 61.3 45.0 83.6
 127 9.9 7.4 11.0

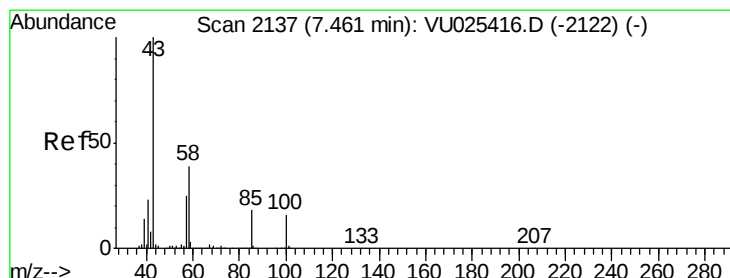
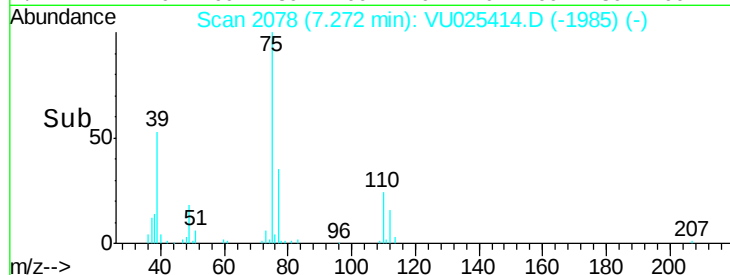
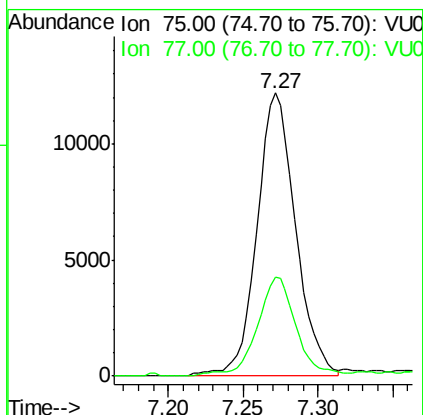
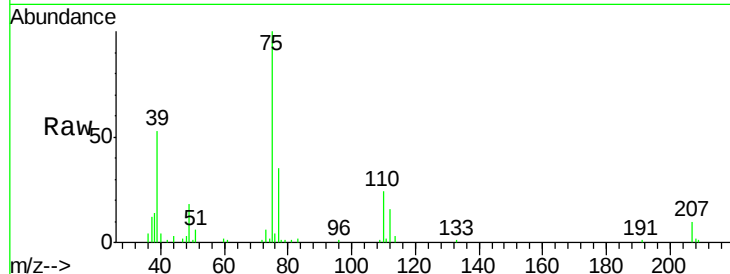




#39
 cis-1,3-Dichloropropene
 Concen: 5.268 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025414.D
 Acq: 16 Jul 2018 10:00

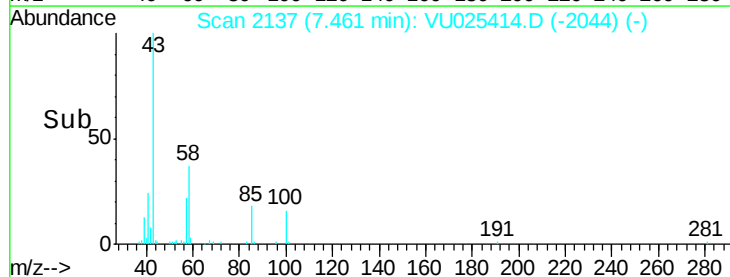
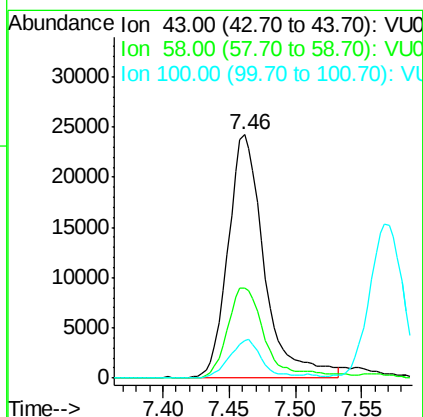
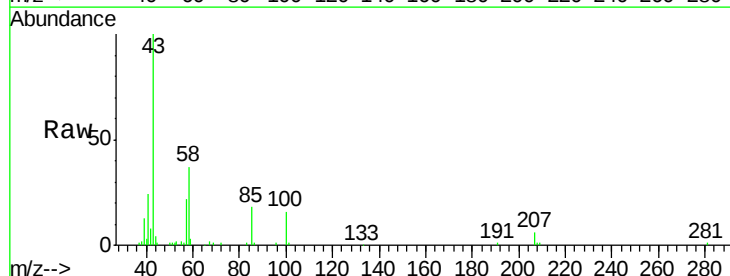
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00551

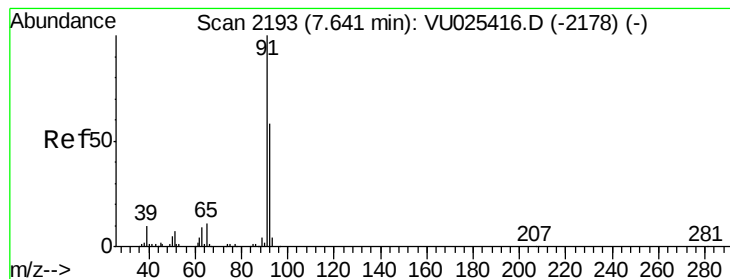
Tgt Ion: 75 Resp: 21878
 Ion Ratio Lower Upper
 75 100
 77 34.8 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 11.974 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU025414.D
 Acq: 16 Jul 2018 10:00

Tgt Ion: 43 Resp: 46270
 Ion Ratio Lower Upper
 43 100
 58 36.3 31.0 46.4
 100 14.1 12.5 18.7





#42

Toluene

Concen: 5.410 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025414.D

Acq: 16 Jul 2018 10:00

Instrument :

MSVOA_U

ClientSampleId :

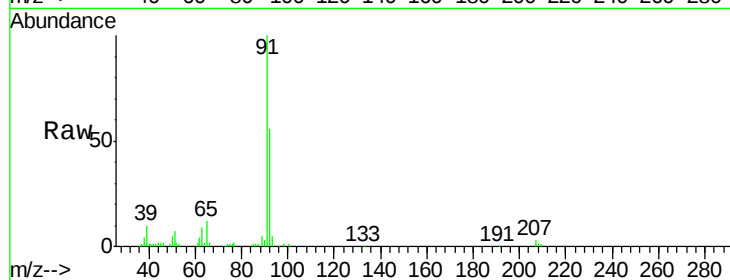
VSTD00551

Tgt Ion: 91 Resp: 57818

Ion Ratio Lower Upper

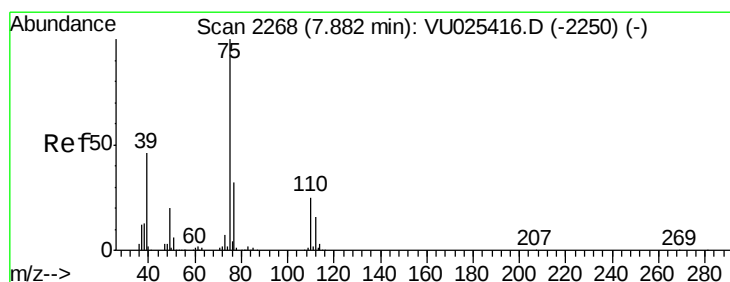
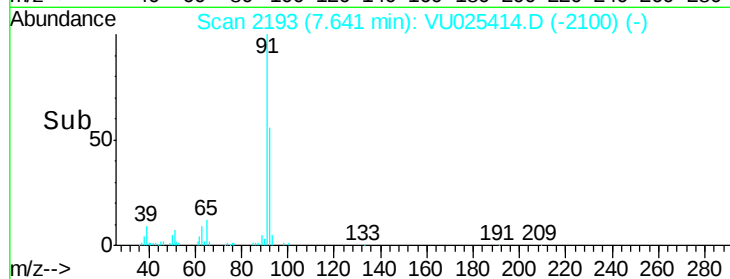
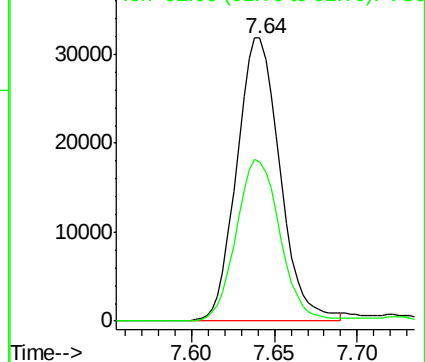
91 100

92 56.4 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 5.232 ug/L

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU025414.D

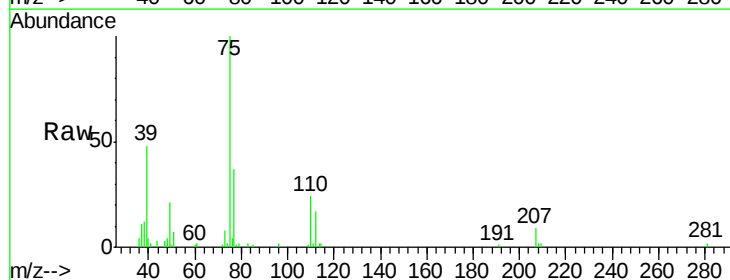
Acq: 16 Jul 2018 10:00

Tgt Ion: 75 Resp: 20138

Ion Ratio Lower Upper

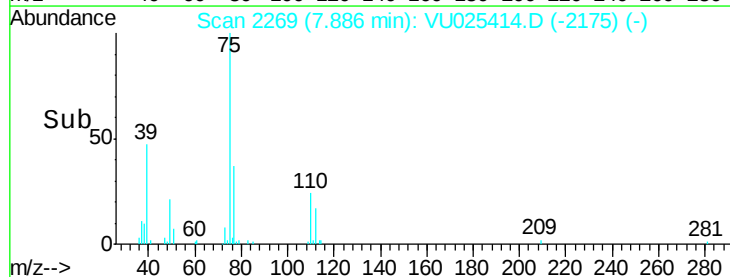
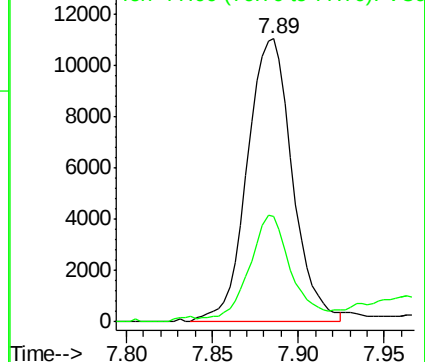
75 100

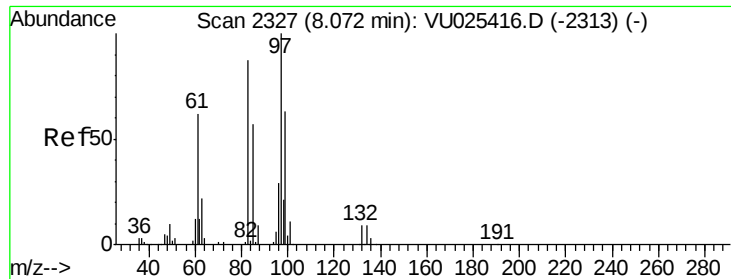
77 37.2 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

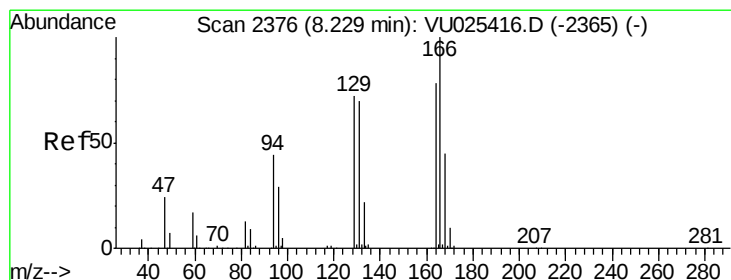
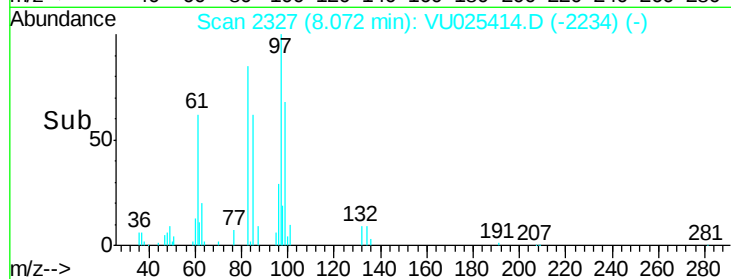
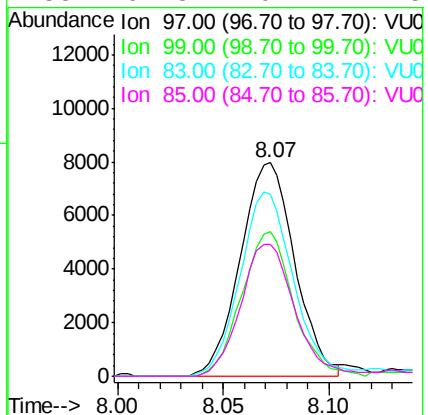
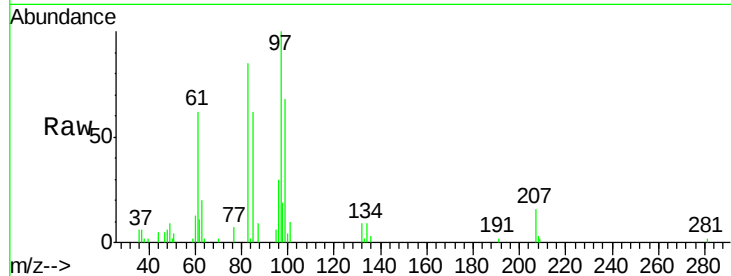




#45
1,1,2-Trichloroethane
Concen: 5.683 ug/L
RT: 8.07 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VU025414.D
Acq: 16 Jul 2018 10:00

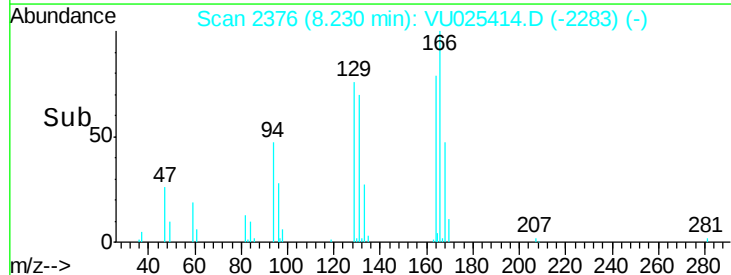
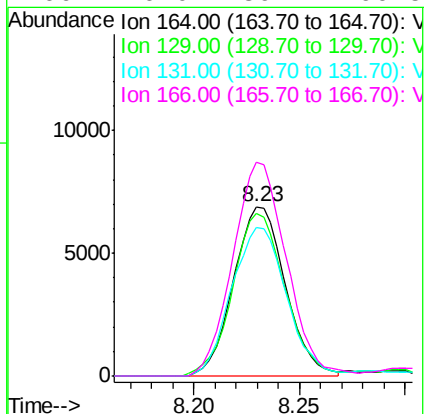
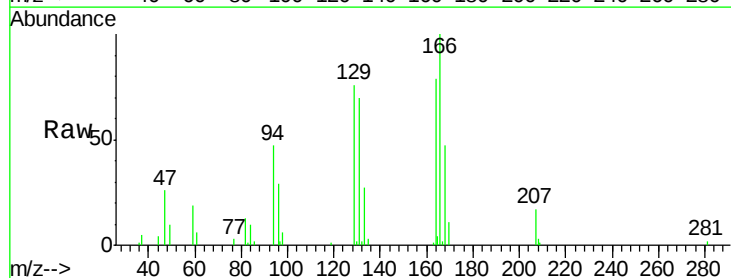
Instrument :
MSVOA_U
ClientSampleId :
VSTD00551

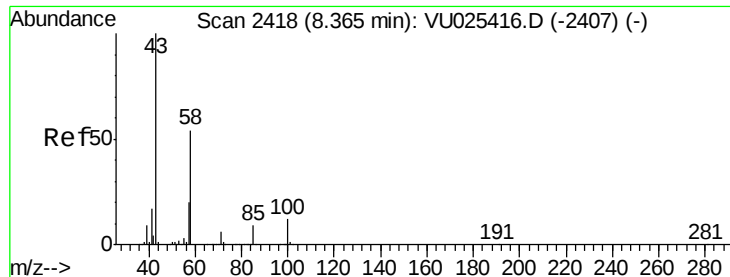
Tgt Ion:	97	Resp:	14295
Ion	Ratio	Lower	Upper
97	100		
99	67.8	44.2	82.2
83	85.4	61.0	113.2
85	61.8	40.1	74.5



#46
Tetrachloroethene
Concen: 5.345 ug/L
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025414.D
Acq: 16 Jul 2018 10:00

Tgt Ion:	164	Resp:	11799
Ion	Ratio	Lower	Upper
164	100		
129	95.9	64.7	120.1
131	87.8	63.1	117.3
166	126.0	89.7	166.5

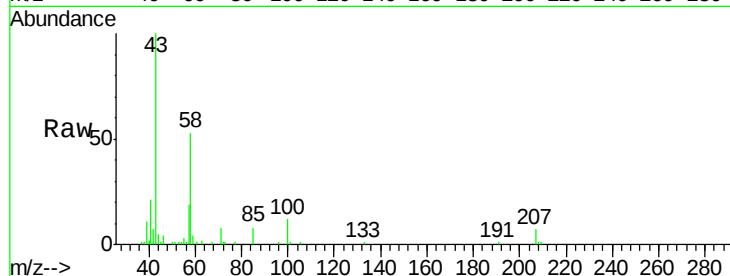




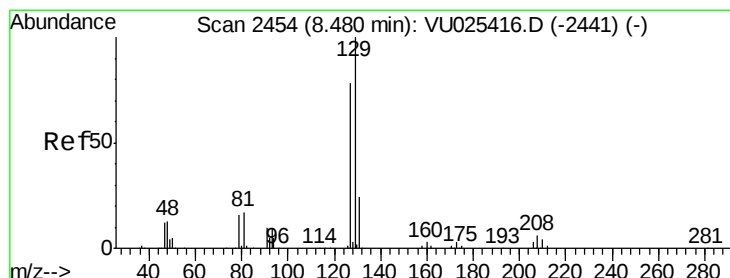
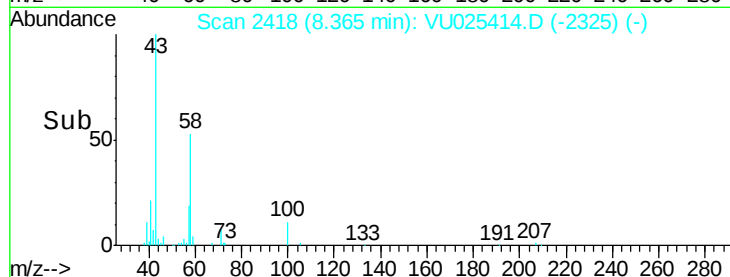
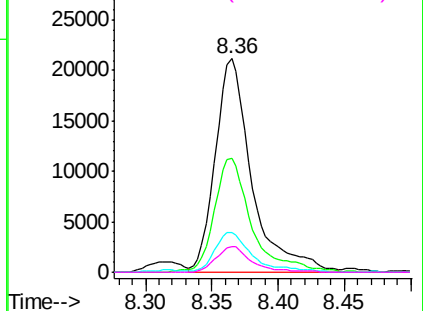
#48
2-Hexanone
Concen: 13.120 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025414.D
Acq: 16 Jul 2018 10:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD00551

Tgt Ion:	43	Resp:	40818
Ion	Ratio	Lower	Upper
43	100		
58	53.9	43.0	64.4
57	16.4	15.8	23.6
100	11.5	9.4	14.0

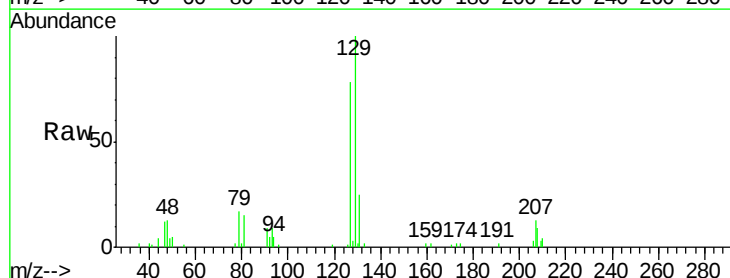


Abundance Ion 43.00 (42.70 to 43.70): VU025414.D (-2325) (-)
Ion 58.00 (57.70 to 58.70): VU025414.D (-2325) (-)
Ion 57.00 (56.70 to 57.70): VU025414.D (-2325) (-)
Ion 100.00 (99.70 to 100.70): VU025414.D (-2325) (-)

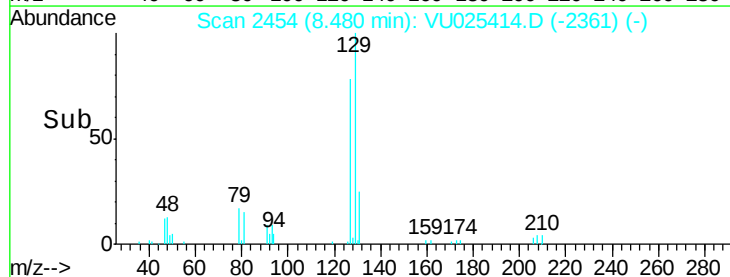
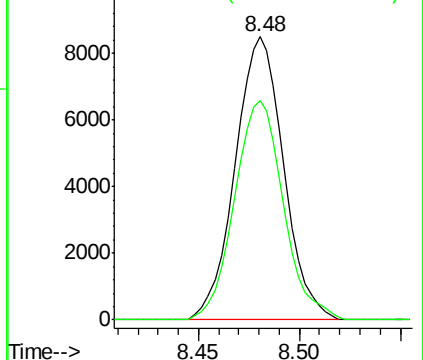


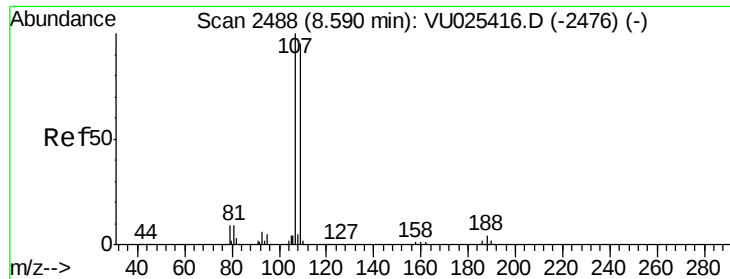
#49
Dibromochloromethane
Concen: 4.906 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025414.D
Acq: 16 Jul 2018 10:00

Tgt Ion:	129	Resp:	14292
Ion	Ratio	Lower	Upper
129	100		
127	77.7	54.4	101.0



Abundance Ion 129.00 (128.70 to 129.70): VU025414.D (-2361) (-)
Ion 127.00 (126.70 to 127.70): VU025414.D (-2361) (-)

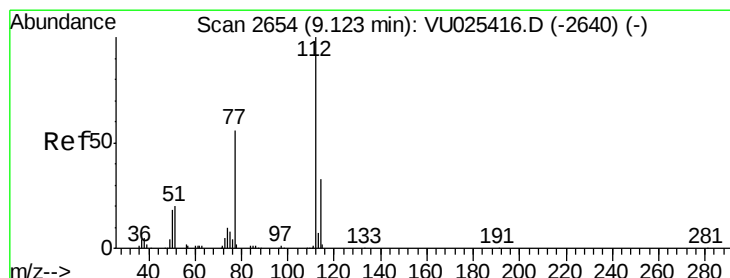
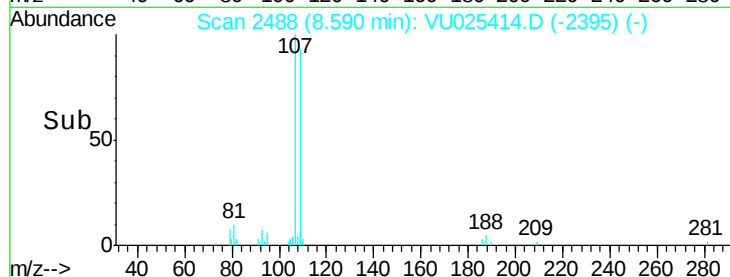
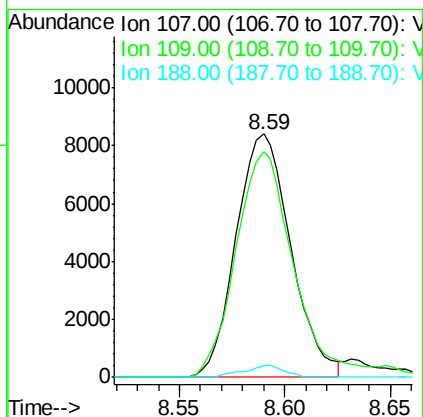
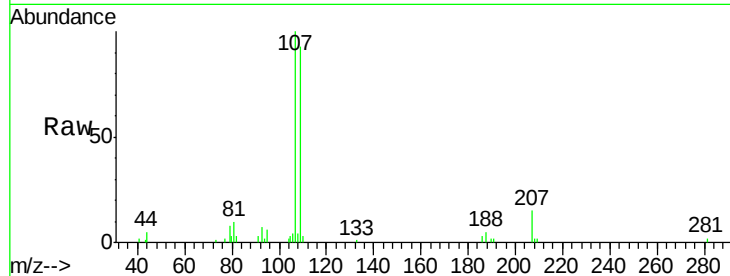




#50
1,2-Dibromoethane
Concen: 5.427 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU025414.D
Acq: 16 Jul 2018 10:00

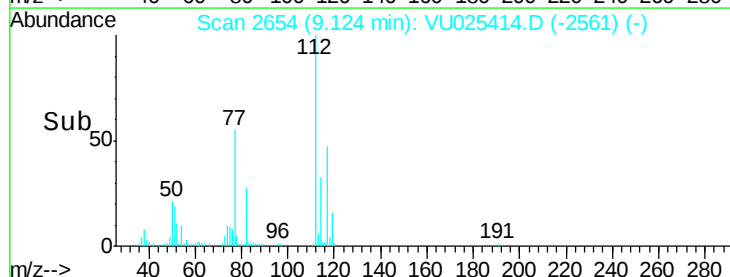
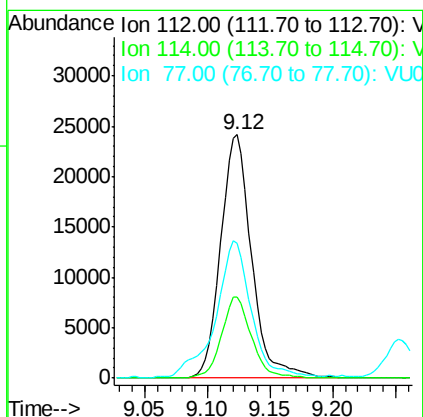
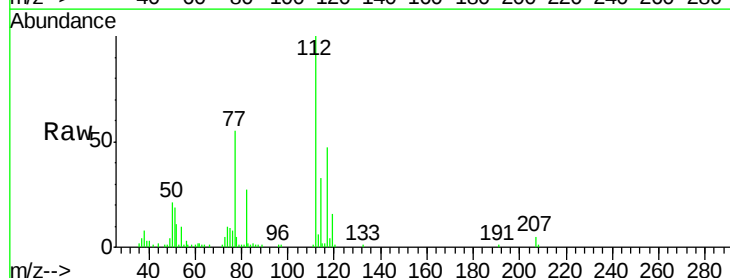
Instrument :
MSVOA_U
ClientSampleId :
VSTD00551

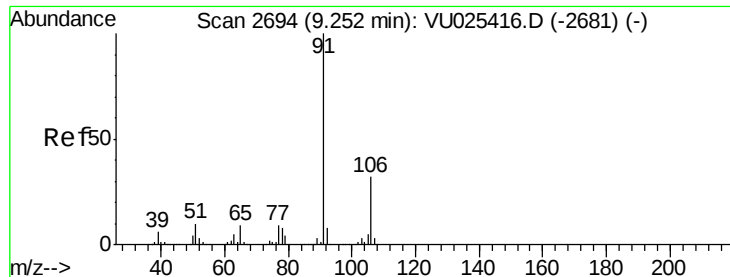
Tgt Ion:107 Resp: 15175
Ion Ratio Lower Upper
107 100
109 92.5 66.8 124.2
188 4.7 3.6 5.4



#51
Chlorobenzene
Concen: 5.830 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025414.D
Acq: 16 Jul 2018 10:00

Tgt Ion:112 Resp: 41653
Ion Ratio Lower Upper
112 100
114 33.4 22.8 42.4
77 55.5 45.5 68.3





#52

Ethylbenzene

Concen: 5.508 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025414.D

Acq: 16 Jul 2018 10:00

Instrument :

MSVOA_U

ClientSampleId :

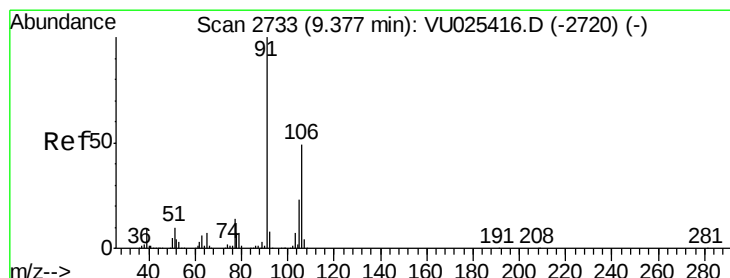
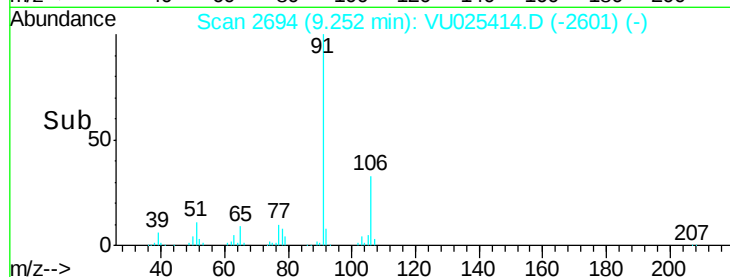
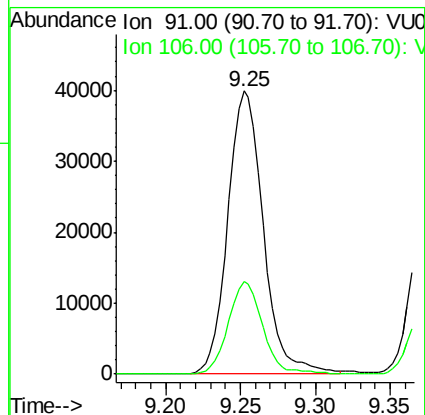
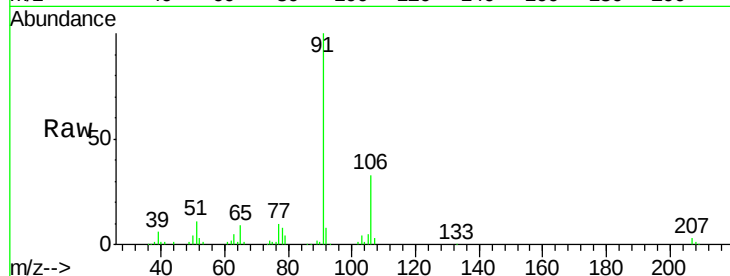
VSTD00551

Tgt Ion: 91 Resp: 66111

Ion Ratio Lower Upper

91 100

106 32.6 22.1 41.1



#53

m,p-Xylene

Concen: 5.355 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025414.D

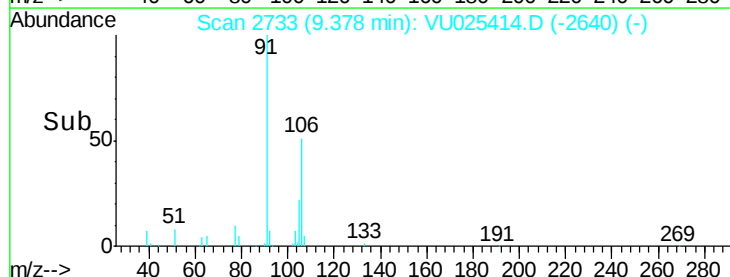
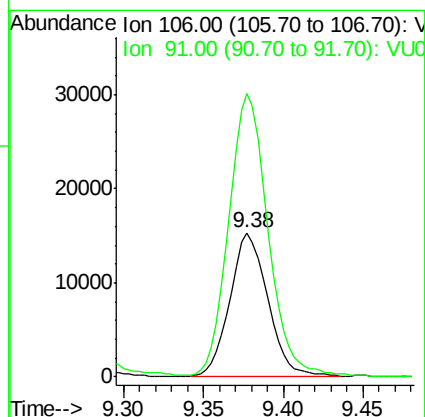
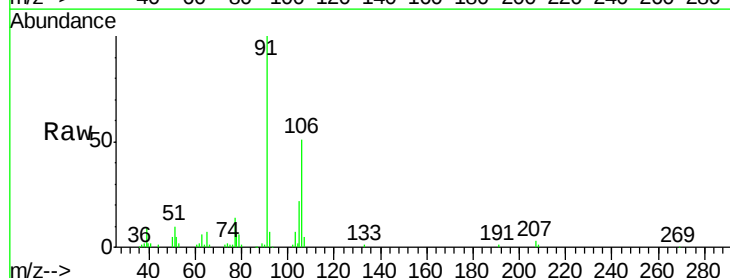
Acq: 16 Jul 2018 10:00

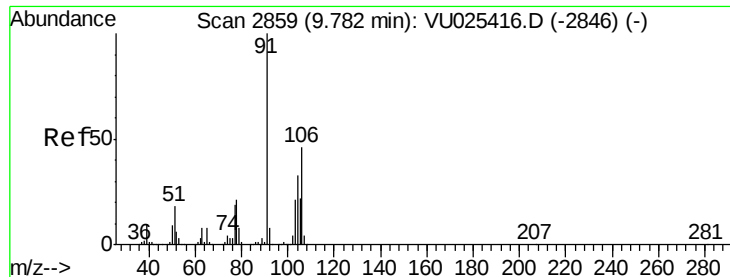
Tgt Ion: 106 Resp: 24884

Ion Ratio Lower Upper

106 100

91 196.6 141.8 263.4

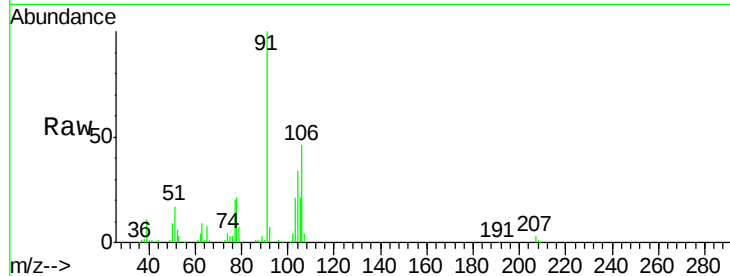




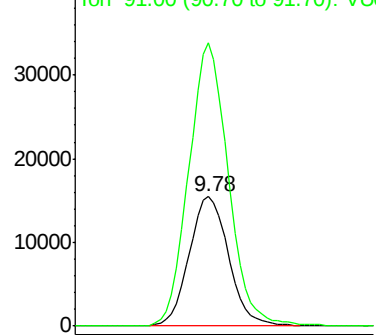
#54
o-xylene
Concen: 5.515 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025414.D
Acq: 16 Jul 2018 10:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD00551

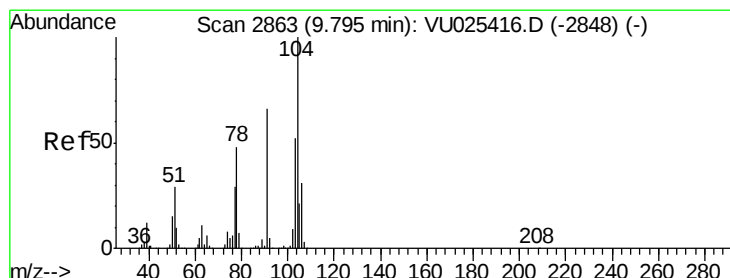
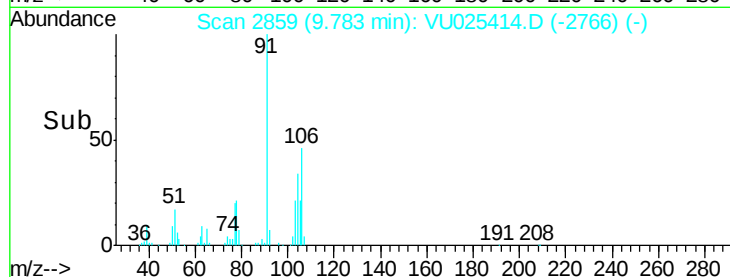
Tgt Ion:106 Resp: 25682
Ion Ratio Lower Upper
106 100
91 218.9 151.3 281.1



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

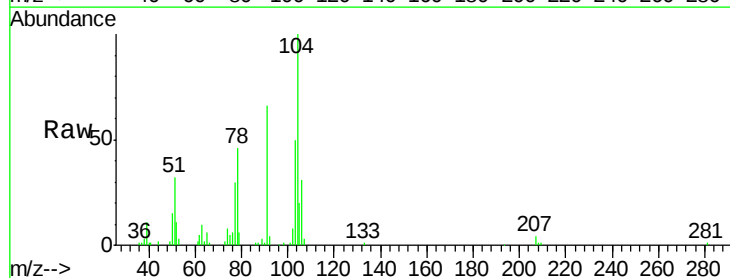


Time-->

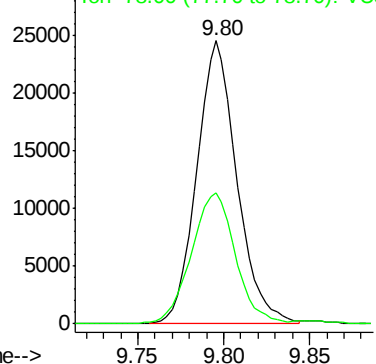


#55
Styrene
Concen: 5.225 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025414.D
Acq: 16 Jul 2018 10:00

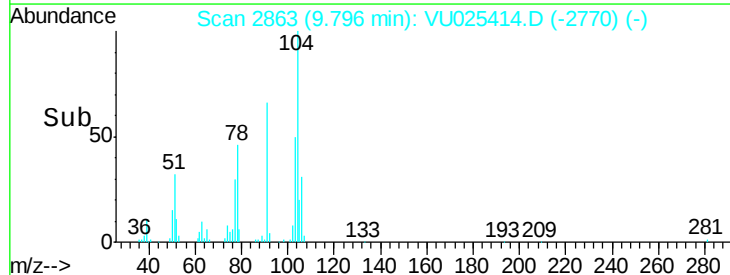
Tgt Ion:104 Resp: 39874
Ion Ratio Lower Upper
104 100
78 46.3 33.7 62.7

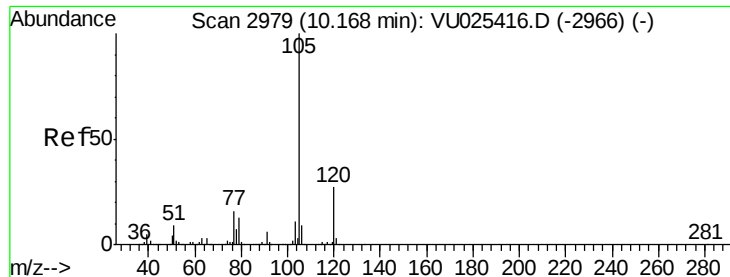


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0



Time-->





#56

Isopropylbenzene

Concen: 5.368 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025414.D

Acq: 16 Jul 2018 10:00

Instrument :

MSVOA_U

ClientSampled :

VSTD00551

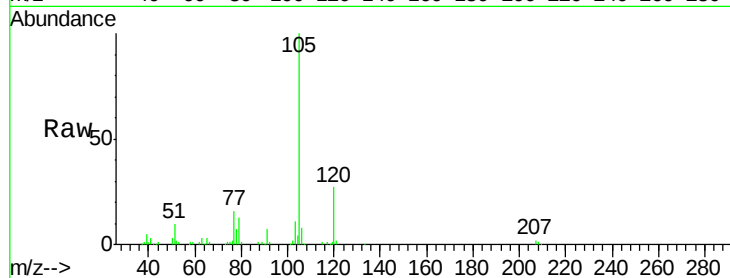
Tgt Ion: 105 Resp: 65567

Ion Ratio Lower Upper

105 100

120 26.4 21.7 32.5

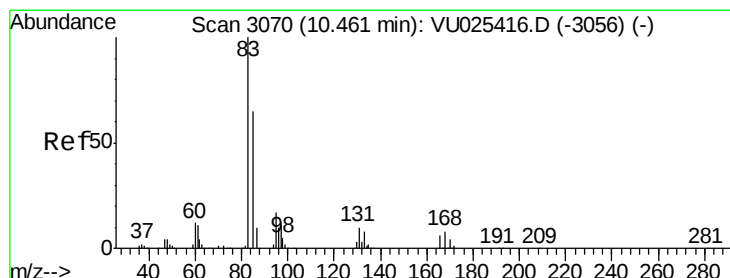
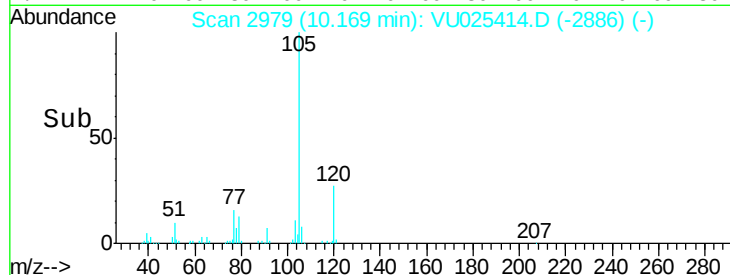
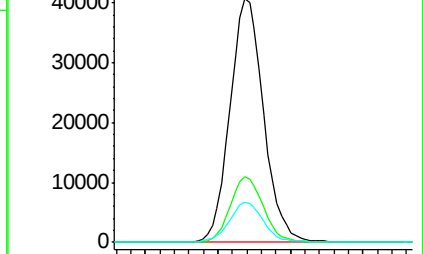
77 16.6 12.6 19.0



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: 5.933 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025414.D

Acq: 16 Jul 2018 10:00

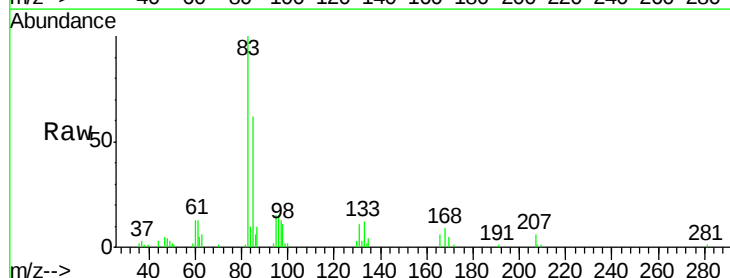
Tgt Ion: 83 Resp: 25244

Ion Ratio Lower Upper

83 100

85 61.9 45.9 85.3

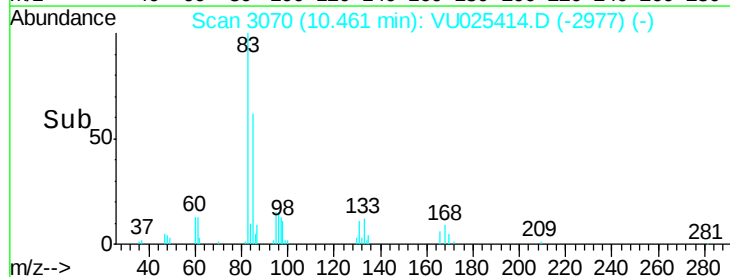
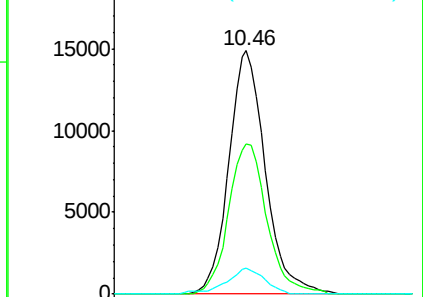
131 10.5 8.6 13.0

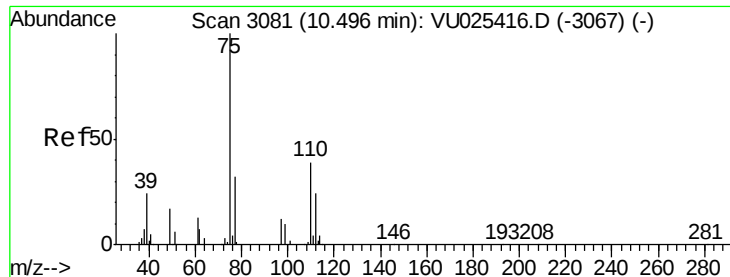


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 6.241 ug/L

RT: 10.50 min Scan# 3082

Delta R.T. 0.00 min

Lab File: VU025414.D

Acq: 16 Jul 2018 10:00

Instrument :

MSVOA_U

ClientSampleId :

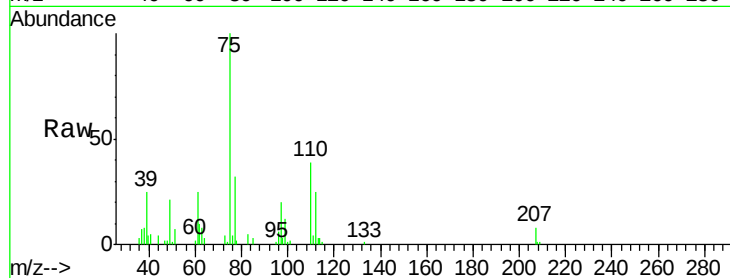
VSTD00551

Tgt Ion: 75 Resp: 21627

Ion Ratio Lower Upper

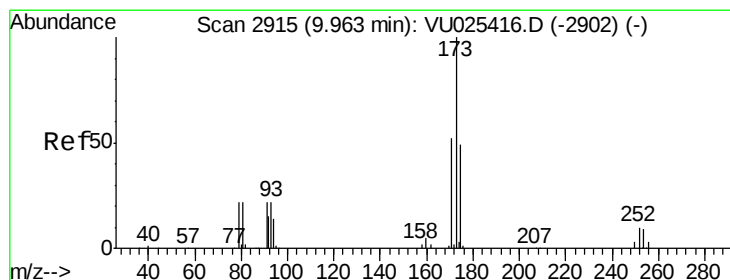
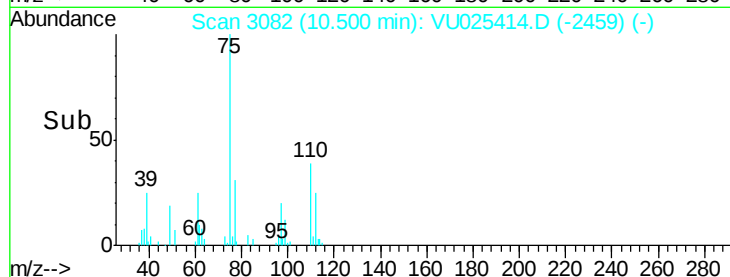
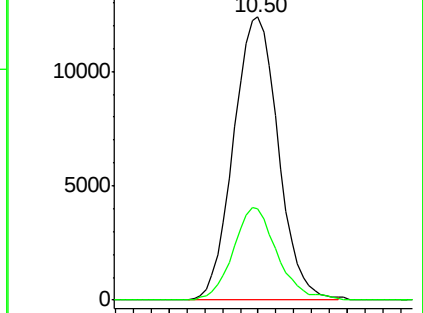
75 100

77 32.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#61

Bromoform

Concen: 4.822 ug/L

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025414.D

Acq: 16 Jul 2018 10:00

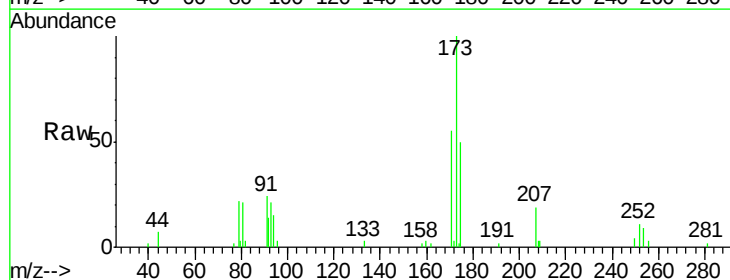
Tgt Ion: 173 Resp: 9591

Ion Ratio Lower Upper

173 100

175 48.5 38.2 57.2

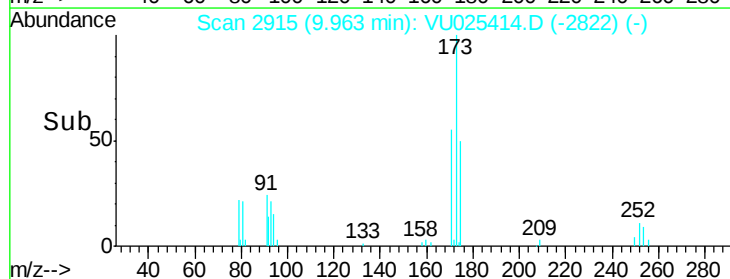
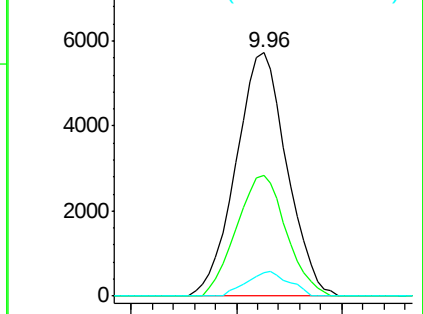
254 8.3 7.4 11.0

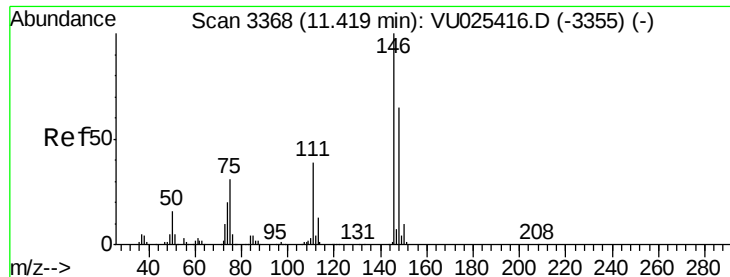


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

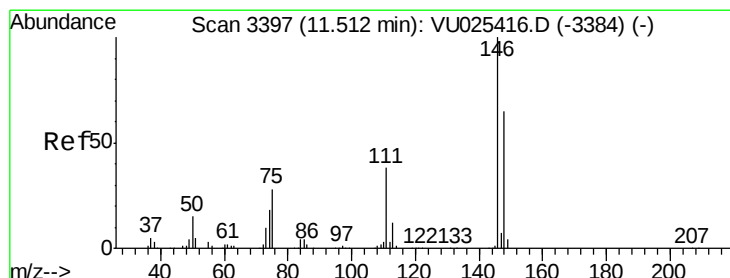
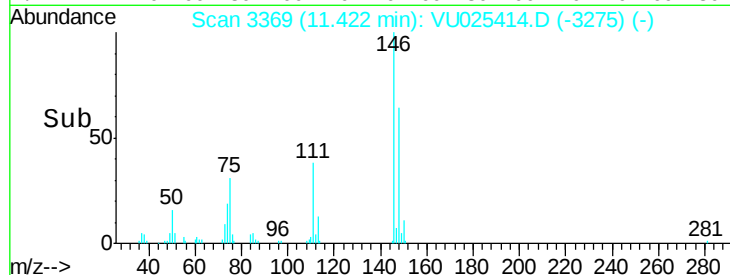
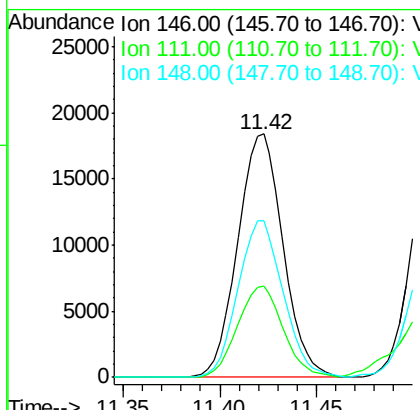
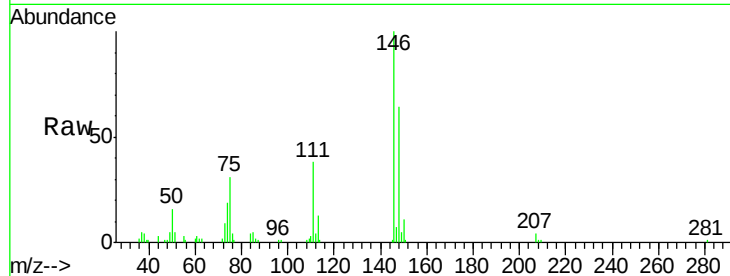




#62
 1,3-Dichlorobenzene
 Concen: 5.780 ug/L
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU025414.D
 Acq: 16 Jul 2018 10:00

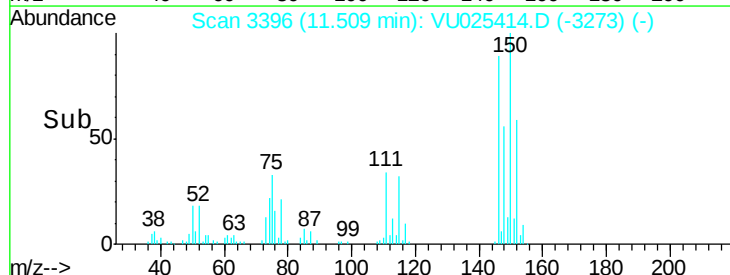
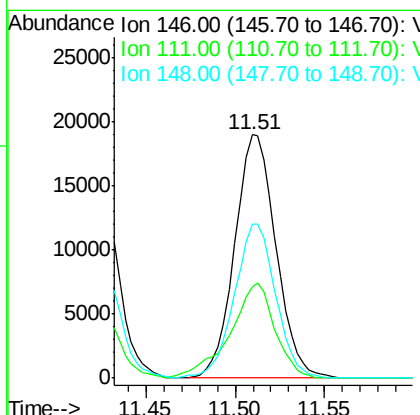
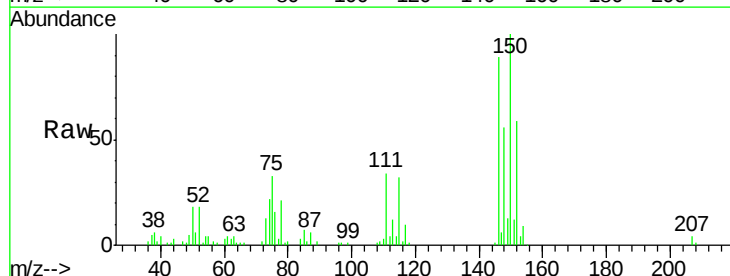
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00551

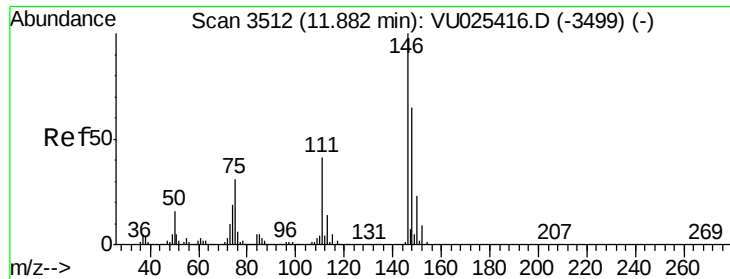
Tgt Ion:146 Resp: 30015
 Ion Ratio Lower Upper
 146 100
 111 37.5 27.4 51.0
 148 64.5 45.1 83.9



#63
 1,4-Dichlorobenzene
 Concen: 5.876 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU025414.D
 Acq: 16 Jul 2018 10:00

Tgt Ion:146 Resp: 30633
 Ion Ratio Lower Upper
 146 100
 111 37.7 26.6 49.4
 148 63.2 45.6 84.6

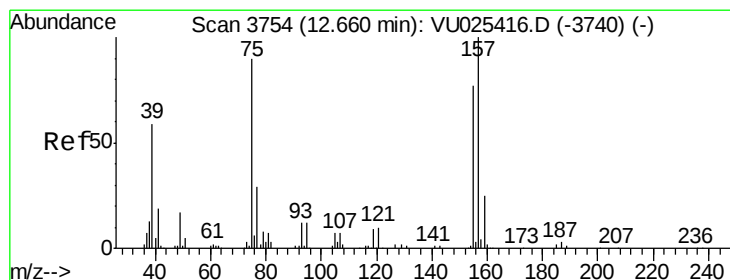
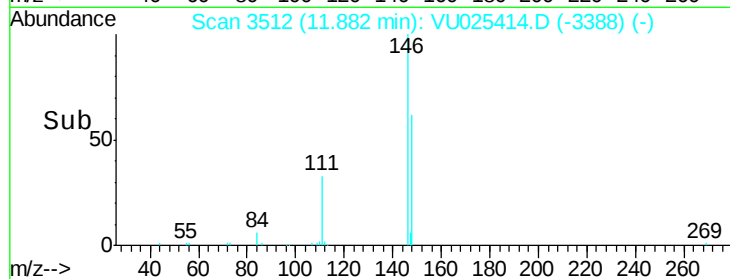
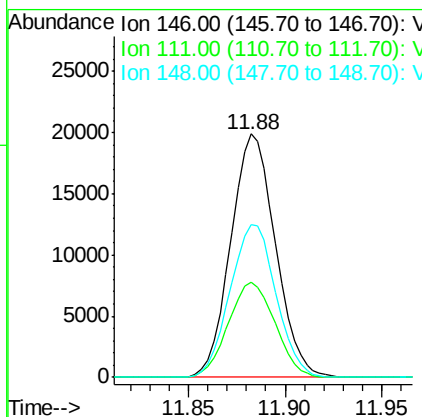
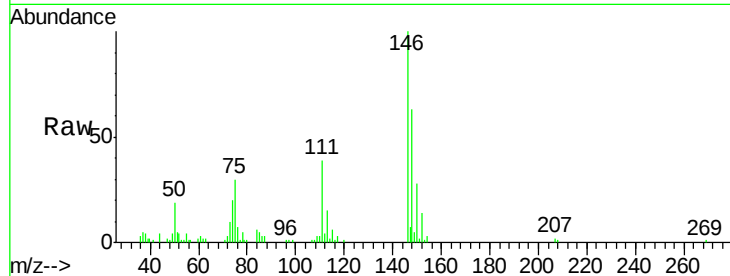




#65
 1,2-Dichlorobenzene
 Concen: 5.840 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025414.D
 Acq: 16 Jul 2018 10:00

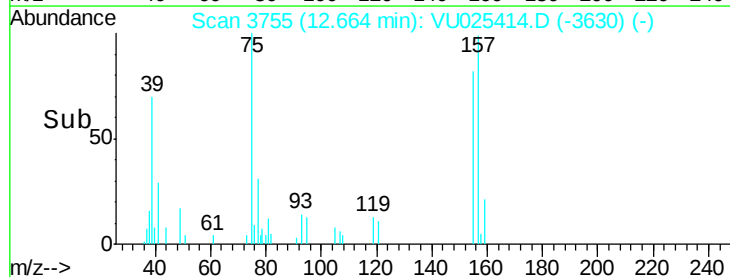
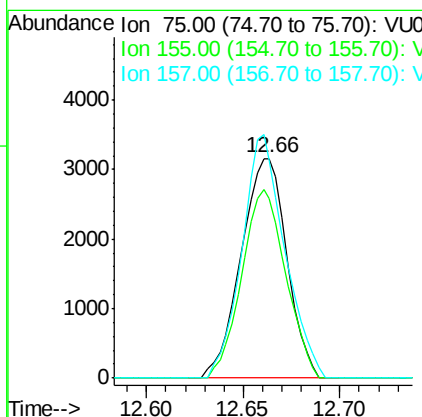
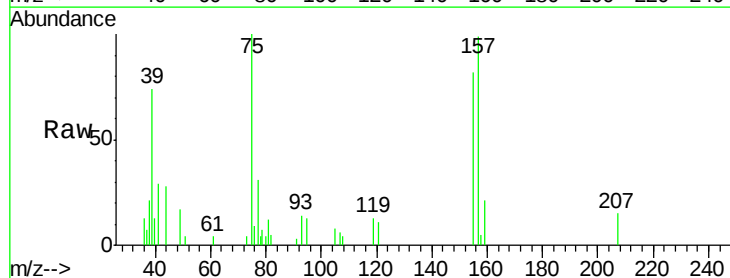
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00551

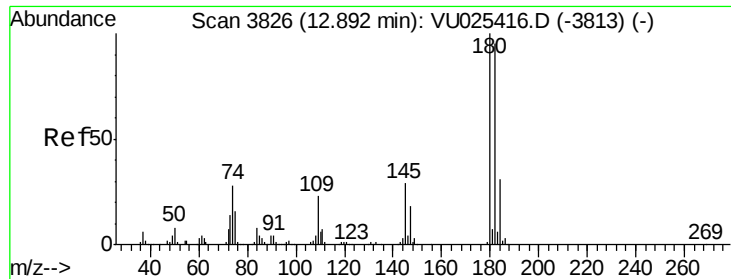
Tgt Ion: 146 Resp: 31931
 Ion Ratio Lower Upper
 146 100
 111 39.2 33.0 49.4
 148 62.9 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.645 ug/L
 RT: 12.66 min Scan# 3755
 Delta R.T. 0.00 min
 Lab File: VU025414.D
 Acq: 16 Jul 2018 10:00

Tgt Ion: 75 Resp: 5175
 Ion Ratio Lower Upper
 75 100
 155 82.1 68.7 103.1
 157 99.5 89.0 133.4

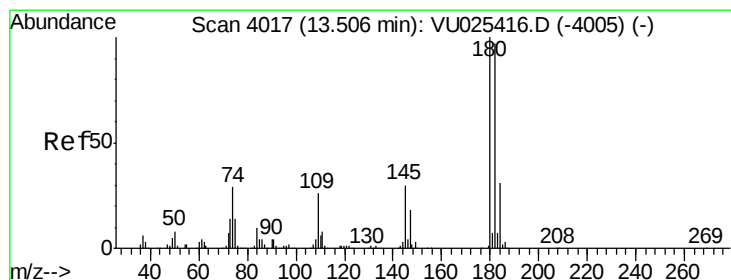
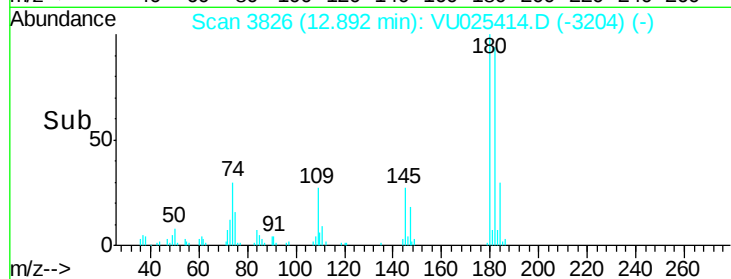
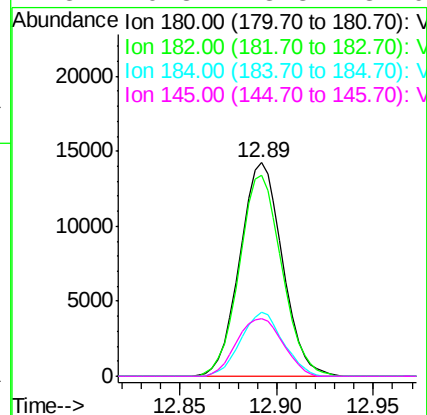
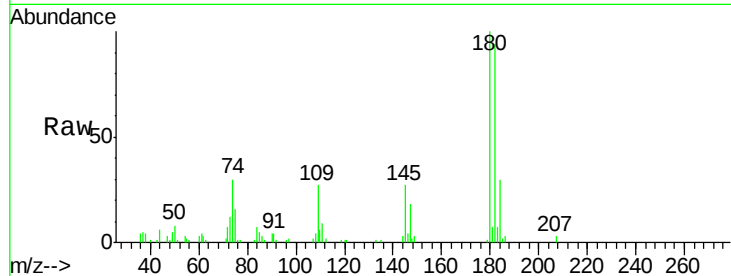




#67
 1,3,5-Trichlorobenzene
 Concen: 5.655 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU025414.D
 Acq: 16 Jul 2018 10:00

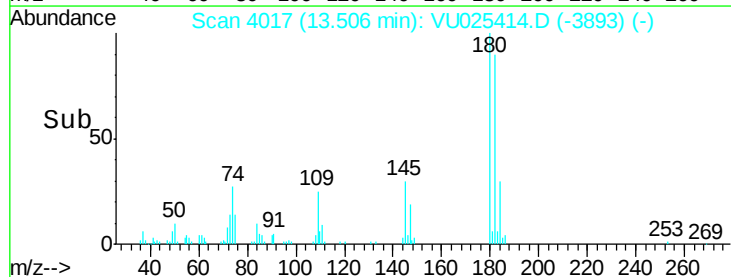
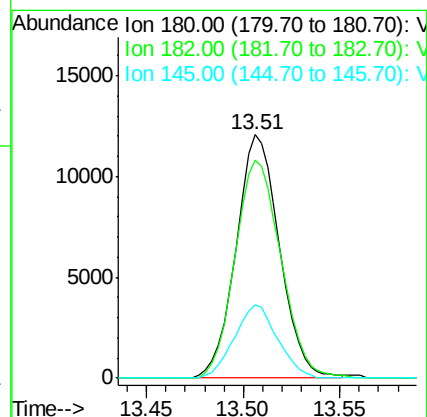
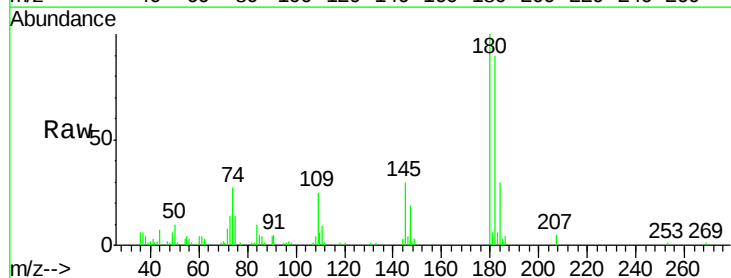
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00551

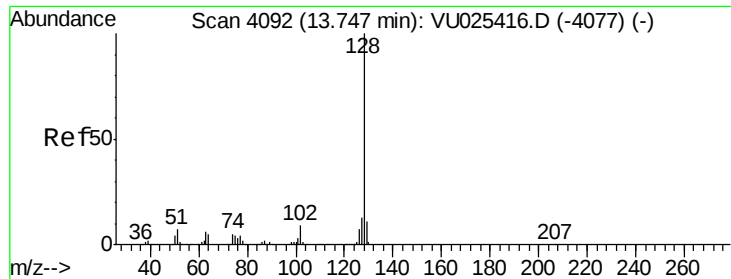
Tgt Ion:	180	Resp:	21806
Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.5	114.7
184	29.7	24.6	36.8
145	29.3	23.3	34.9



#68
 1,2,4-trichlorobenzene
 Concen: 5.831 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025414.D
 Acq: 16 Jul 2018 10:00

Tgt Ion:	180	Resp:	18846
Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.0	115.6
145	30.0	24.2	36.2





#69

Naphthalene

Concen: 5.800 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025414.D

Acq: 16 Jul 2018 10:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00551

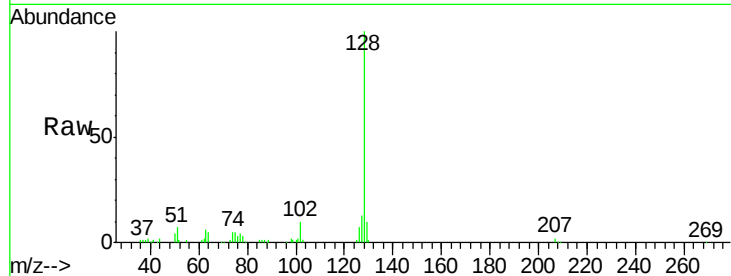
Tgt Ion:128 Resp: 63304

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

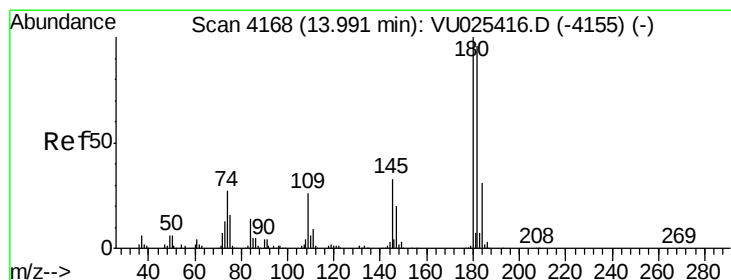
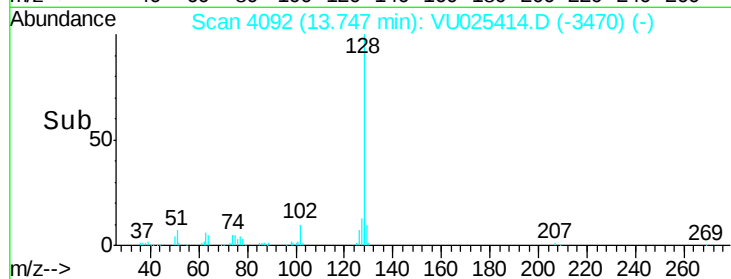
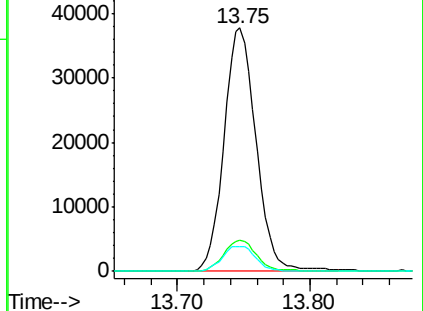
129 10.7 8.6 13.0



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: 5.927 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025414.D

Acq: 16 Jul 2018 10:00

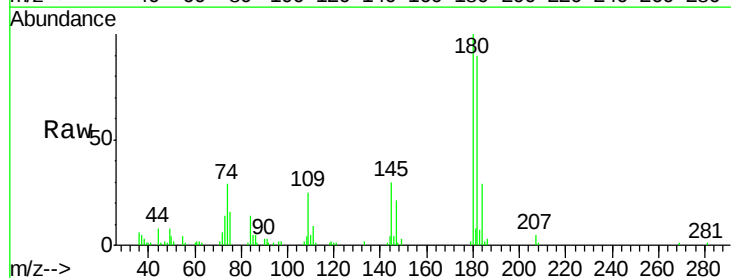
Tgt Ion:180 Resp: 20699

Ion Ratio Lower Upper

180 100

182 89.9 76.2 114.4

145 30.5 25.4 38.2



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

