

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041819\
 Data File : VU031265.D
 Acq On : 17 Apr 2019 18:13
 Operator : JC/SP
 Sample : VSTD0.502
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Quant Time: Apr 18 08:00:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041819WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 18 07:57:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	339759	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	310794	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	148438	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	13530	0.52	ug/L	0.00
7) Chloroethane-d5	1.68	69	10349	0.49	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	27958	0.52	ug/L	0.00
20) 2-Butanone-d5	4.22	46	26330	4.01	ug/L	0.02
24) Chloroform-d	4.65	84	18536	0.43	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	10163	0.45	ug/L	0.00
32) Benzene-d6	5.34	84	39800	0.48	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	11568	0.43	ug/L	0.00
41) Toluene-d8	7.57	98	37330	0.51	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	4937	0.48	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	20923	4.62	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	9191	0.47	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	13267	0.52	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	13213	0.370 ug/L	98
3) Chloromethane	1.32	50	16929	0.399 ug/L	96
5) Vinyl chloride	1.40	62	16208	0.414 ug/L	90
6) Bromomethane	1.63	94	10708	0.534 ug/L	92
8) Chloroethane	1.70	64	10459	0.461 ug/L	86
9) Trichlorofluoromethane	1.88	101	21420	0.469 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	13200	0.517 ug/L	95
12) 1,1-Dichloroethene	2.28	96	12331	0.497 ug/L	90
13) Acetone	2.36	43	26502	5.163 ug/L	98
14) Carbon disulfide	2.47	76	43979	0.508 ug/L	96
15) Methyl Acetate	2.63	43	6867	0.522 ug/L	92
16) Methylene chloride	2.70	84	18817	0.648 ug/L	97
17) Methyl tert-butyl Ether	3.00	73	33618	0.504 ug/L #	95
18) trans-1,2-Dichloroethene	2.97	96	13659	0.515 ug/L	80
19) 1,1-Dichloroethane	3.44	63	20810	0.397 ug/L	97
21) 2-Butanone	4.31	43	31519	4.050 ug/L	80
22) cis-1,2-Dichloroethene	4.22	96	11556	0.427 ug/L	87
23) Bromochloromethane	4.55	128	5324	0.490 ug/L	79
25) Chloroform	4.67	83	19079	0.395 ug/L	98
27) 1,2-Dichloroethane	5.41	62	12508	0.400 ug/L	96
29) 1,1,1-Trichloroethane	4.90	97	16306	0.426 ug/L	93
30) Cyclohexane	4.98	56	19534	0.422 ug/L	99
31) Carbon tetrachloride	5.13	117	14222	0.440 ug/L	93
33) Benzene	5.39	78	42196	0.413 ug/L	100
34) Trichloroethene	6.18	95	13447	0.521 ug/L	90
35) Methylcyclohexane	6.41	83	18728	0.461 ug/L	95
37) 1,2-Dichloropropane	6.44	63	11260	0.403 ug/L #	92
38) Bromodichloromethane	6.76	83	13321	0.407 ug/L #	96
39) cis-1,3-Dichloropropene	7.27	75	14061	0.377 ug/L	98
40) 4-Methyl-2-pentanone	7.47	43	71591	4.099 ug/L	99

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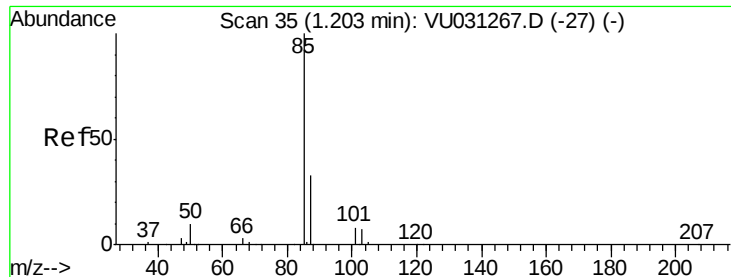
Quant Time: Apr 18 08:00:38 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.64	91	47032	0.455	ug/L	97
44) trans-1,3-Dichloropropene	7.89	75	11608	0.398	ug/L	96
45) 1,1,2-Trichloroethane	8.07	97	7591	0.443	ug/L	89
47) Tetrachloroethene	8.23	164	9300	0.504	ug/L	91
48) 2-Hexanone	8.37	43	48545	4.023	ug/L	99
49) Dibromochloromethane	8.48	129	9079	0.448	ug/L	97
50) 1,2-Dibromoethane	8.59	107	7085	0.444	ug/L #	97
51) Chlorobenzene	9.12	112	29274	0.457	ug/L	96
52) Ethylbenzene	9.25	91	49010	0.446	ug/L	97
53) m,p-Xylene	9.38	106	18800	0.484	ug/L	90
54) o-Xylene	9.78	106	17384	0.456	ug/L	95
55) Styrene	9.79	104	28805	0.451	ug/L	99
56) Isopropylbenzene	10.16	105	46202	0.455	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	9353	0.418	ug/L	95
59) 1,2,3-Trichloropropane	10.49	75	6612	0.418	ug/L	92
61) Bromoform	9.96	173	5469	0.488	ug/L #	93
62) 1,3-Dichlorobenzene	11.42	146	20815	0.445	ug/L	95
63) 1,4-Dichlorobenzene	11.50	146	20731	0.425	ug/L	94
65) 1,2-Dichlorobenzene	11.88	146	21150	0.464	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	17832	0.510	ug/L	95
68) 1,2,4-trichlorobenzene	13.50	180	13427	0.491	ug/L	97
69) Naphthalene	13.75	128	85308	1.802	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	13771	0.534	ug/L	94

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

```
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ALS Vial  : 3    Sample Multiplier: 1
```



#2

Dichlorodifluoromethane

Concen: 0.370 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU031265.D

Acq: 17 Apr 2019 18:13

Instrument :

MSVOA_U

ClientSampleId :

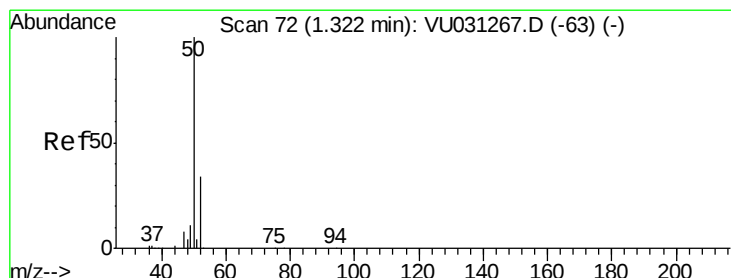
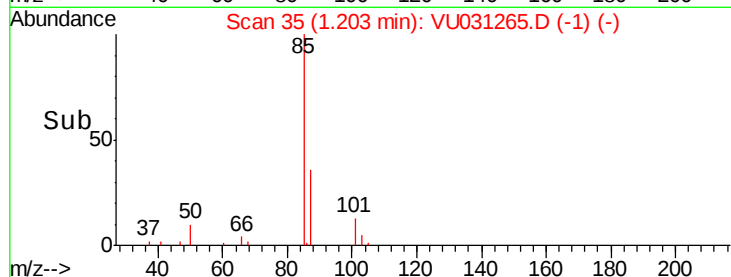
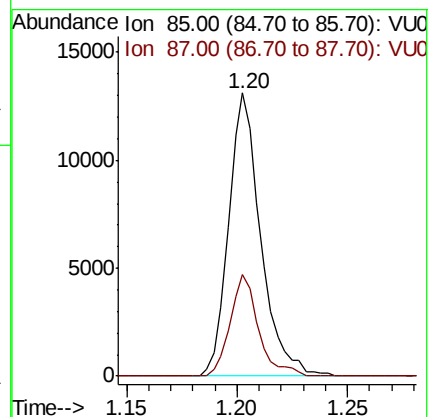
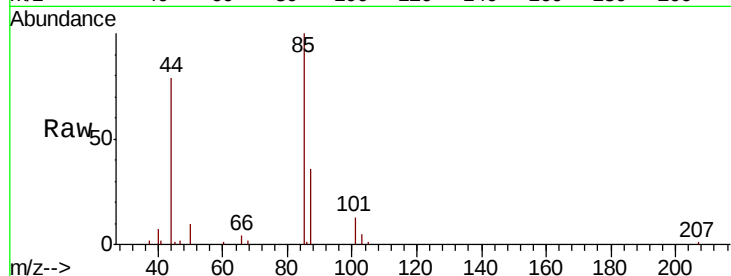
VSTD0.502

Tgt Ion: 85 Resp: 13213

Ion Ratio Lower Upper

85 100

87 31.7 26.4 39.6



#3

Chloromethane

Concen: 0.399 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU031265.D

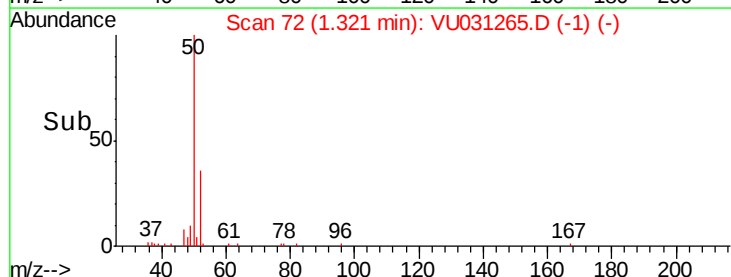
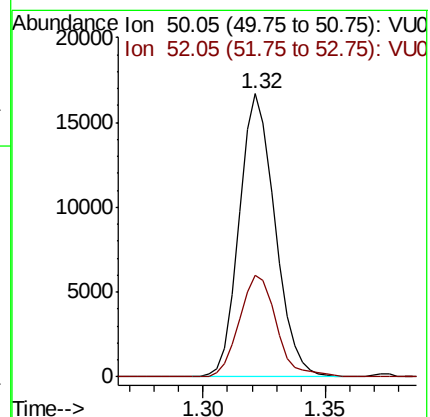
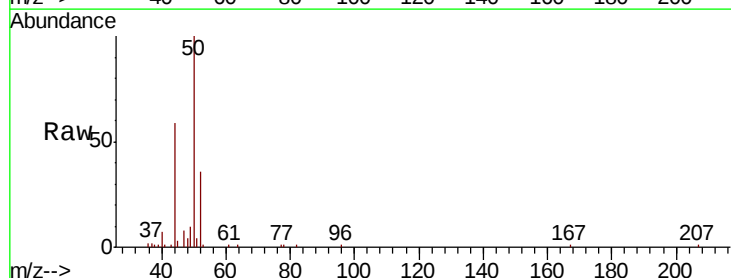
Acq: 17 Apr 2019 18:13

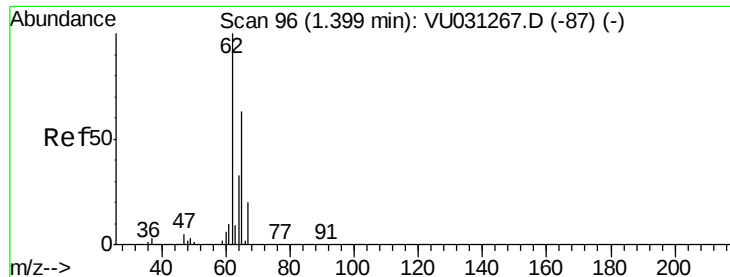
Tgt Ion: 50 Resp: 16929

Ion Ratio Lower Upper

50 100

52 35.9 23.5 43.7





#5

Vinyl chloride

Concen: 0.414 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU031265.D

Acq: 17 Apr 2019 18:13

Instrument :

MSVOA_U

ClientSampleId :

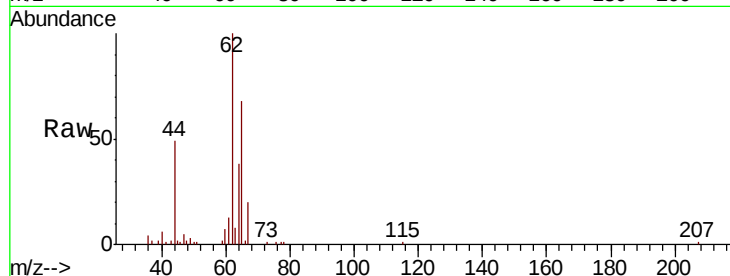
VSTD0.502

Tgt Ion: 62 Resp: 16208

Ion Ratio Lower Upper

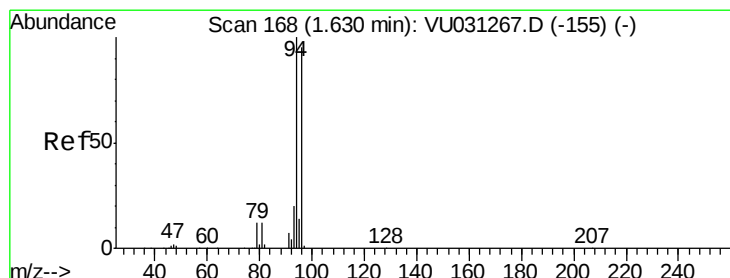
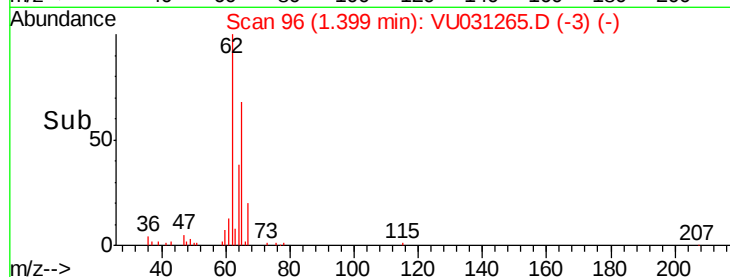
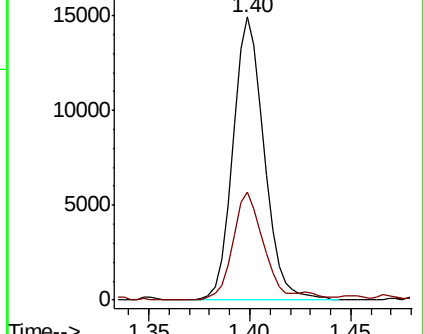
62 100

64 38.1 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.534 ug/L

RT: 1.63 min Scan# 168

Delta R.T. -0.00 min

Lab File: VU031265.D

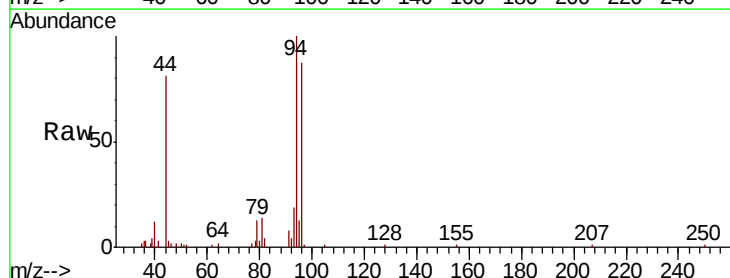
Acq: 17 Apr 2019 18:13

Tgt Ion: 94 Resp: 10708

Ion Ratio Lower Upper

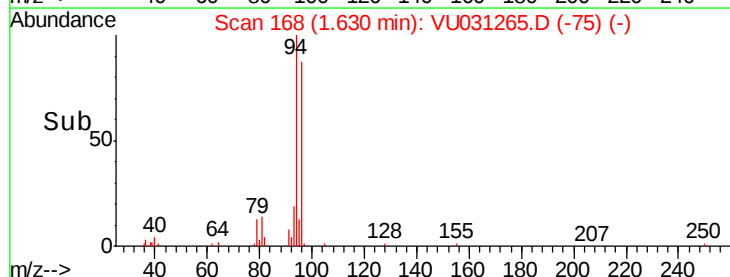
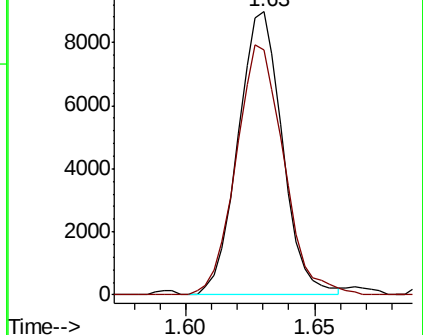
94 100

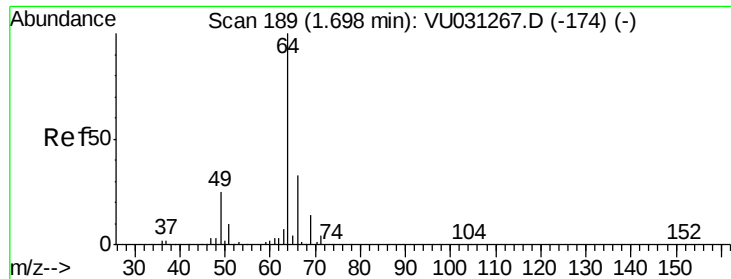
96 86.6 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

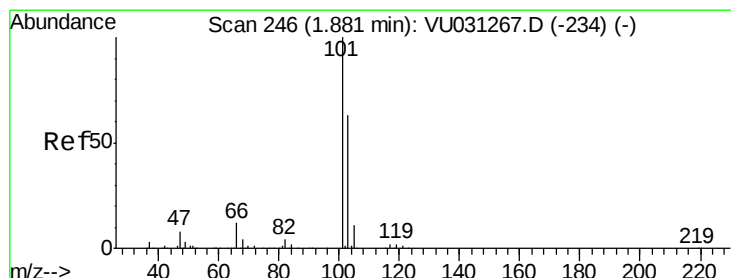
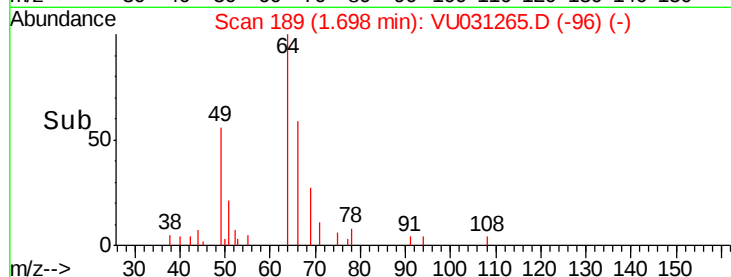
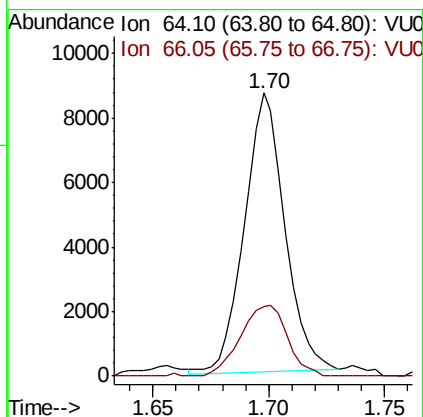
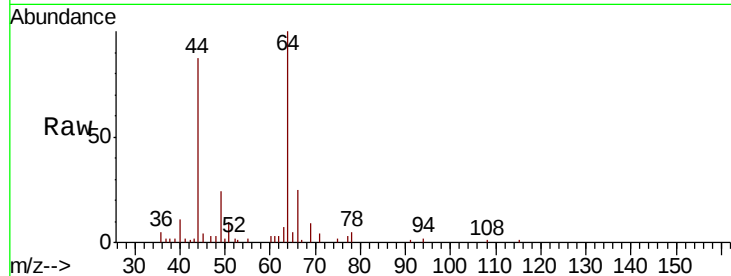




#8
Chloroethane
Concen: 0.461 ug/L
RT: 1.70 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU031265.D
Acq: 17 Apr 2019 18:13

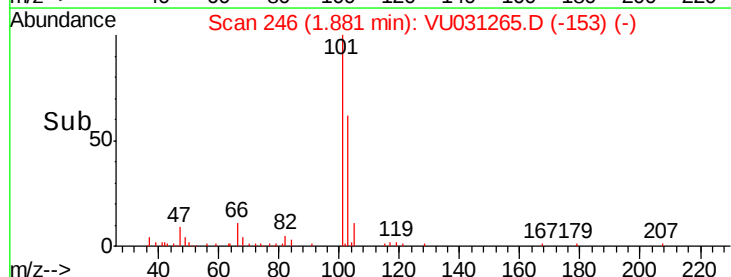
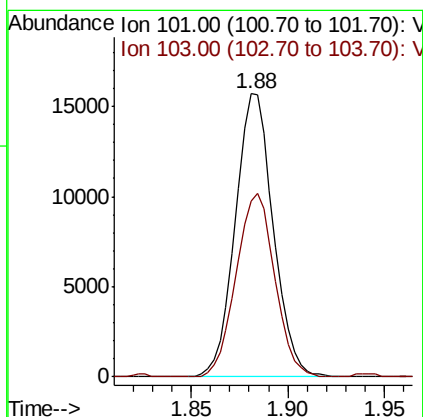
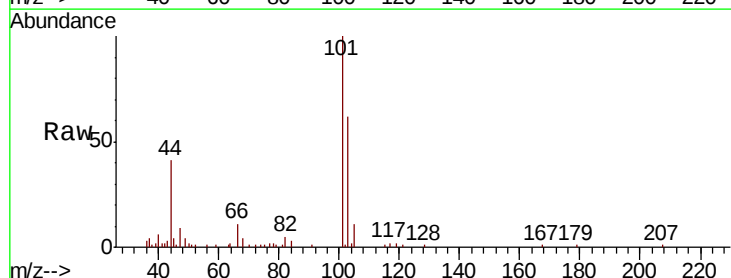
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

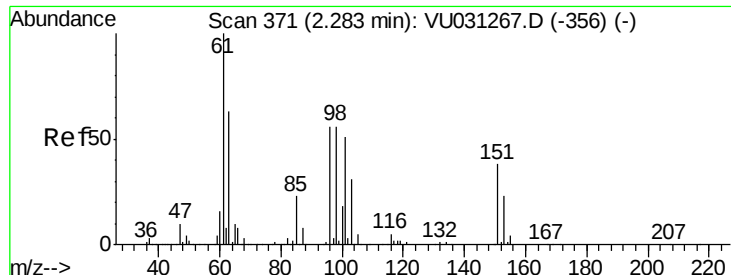
Tgt Ion: 64 Resp: 10459
Ion Ratio Lower Upper
64 100
66 24.8 23.0 42.6



#9
Trichlorofluoromethane
Concen: 0.469 ug/L
RT: 1.88 min Scan# 246
Delta R.T. -0.00 min
Lab File: VU031265.D
Acq: 17 Apr 2019 18:13

Tgt Ion: 101 Resp: 21420
Ion Ratio Lower Upper
101 100
103 65.9 50.9 76.3





#10

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

Concen: 0.517 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU031265.D

Acq: 17 Apr 2019 18:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

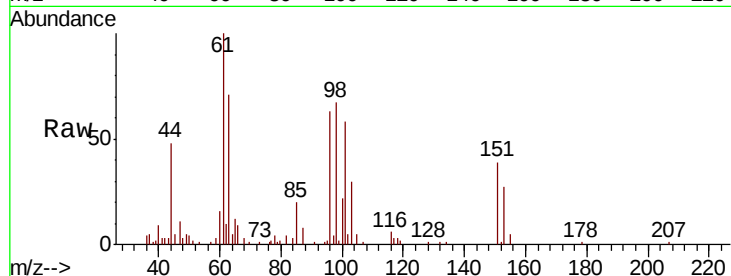
Tgt Ion:101 Resp: 13200

Ion Ratio Lower Upper

101 100

85 39.6 34.5 51.7

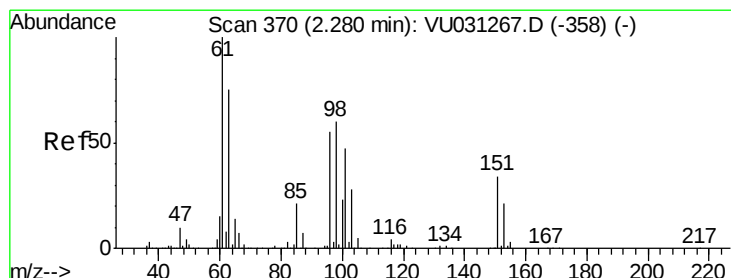
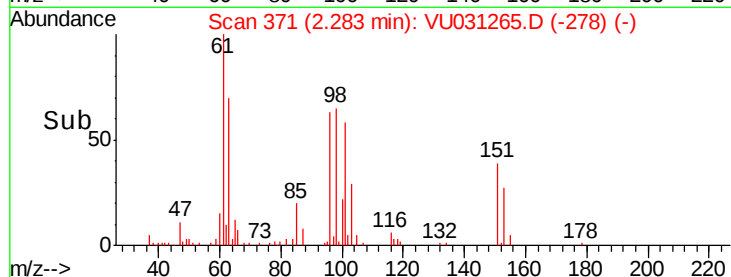
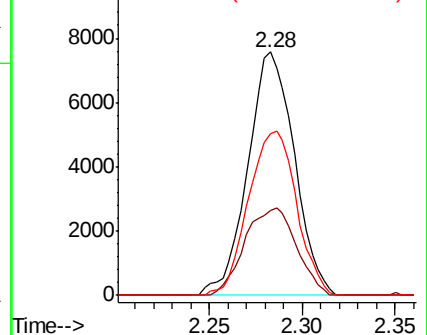
151 69.6 58.4 87.6



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: 0.497 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU031265.D

Acq: 17 Apr 2019 18:13

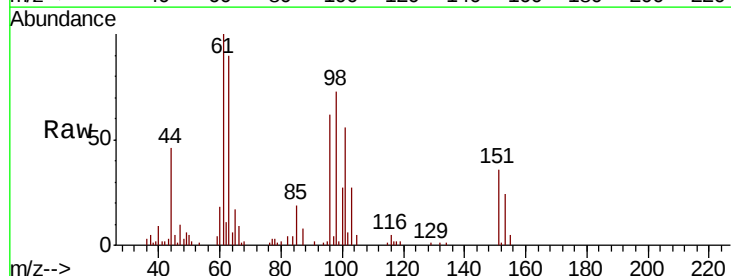
Tgt Ion: 96 Resp: 12331

Ion Ratio Lower Upper

96 100

61 160.1 128.5 238.7

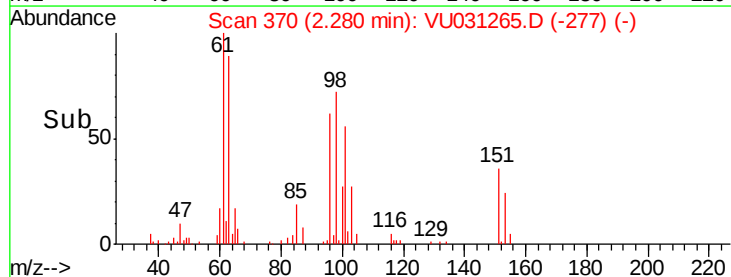
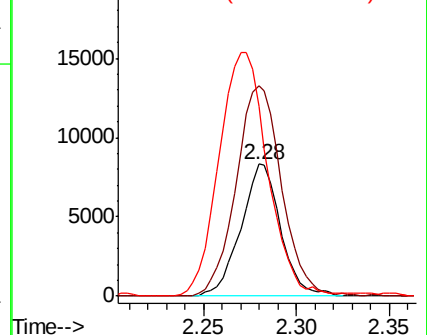
63 144.2 98.9 183.7

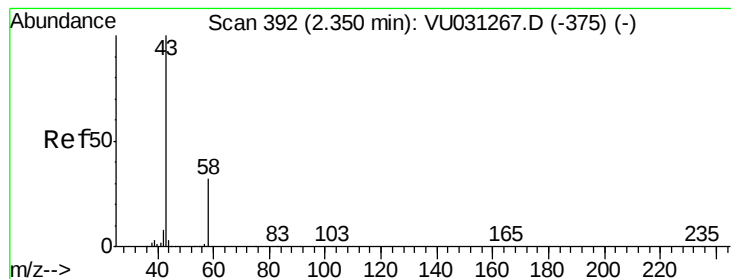


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.163 ug/L

RT: 2.36 min Scan# 394

Delta R.T. 0.01 min

Lab File: VU031265.D

Acq: 17 Apr 2019 18:13

Instrument :

MSVOA_U

ClientSampleId :

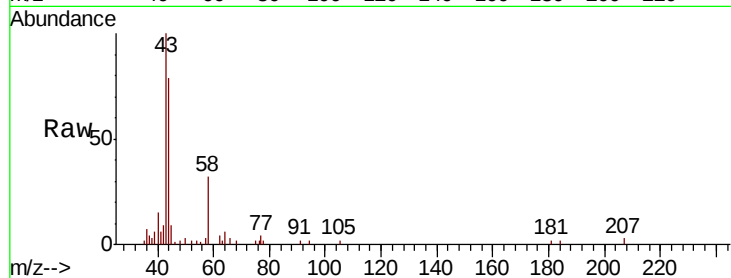
VSTD0.502

Tgt Ion: 43 Resp: 26502

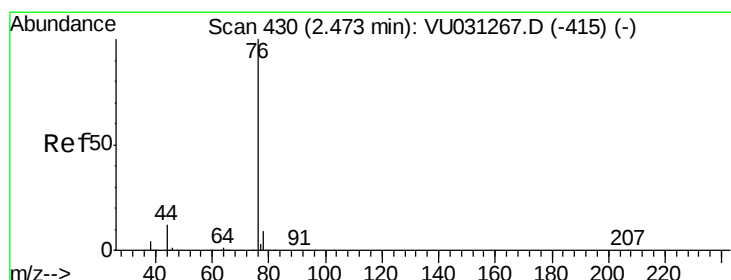
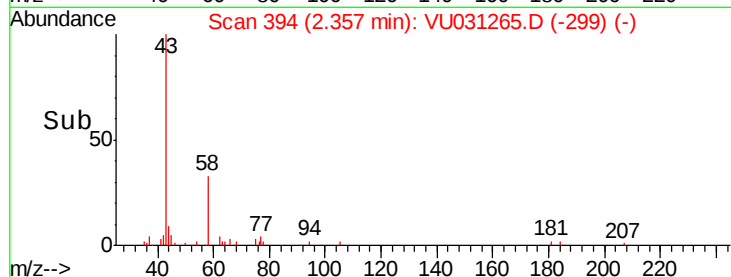
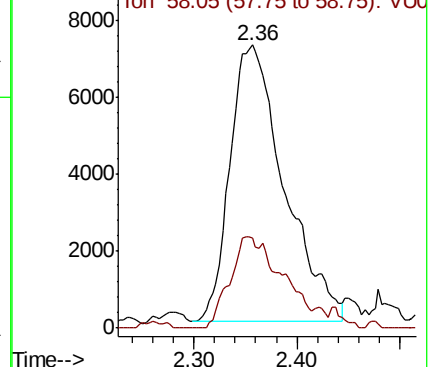
Ion Ratio Lower Upper

43 100

58 31.5 0.0 65.8



Abundance Ion 43.05 (42.75 to 43.75): VU031267.D (-375) (-)



#14

Carbon disulfide

Concen: 0.508 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU031265.D

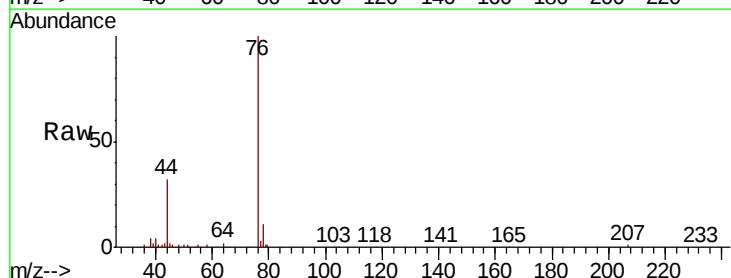
Acq: 17 Apr 2019 18:13

Tgt Ion: 76 Resp: 43979

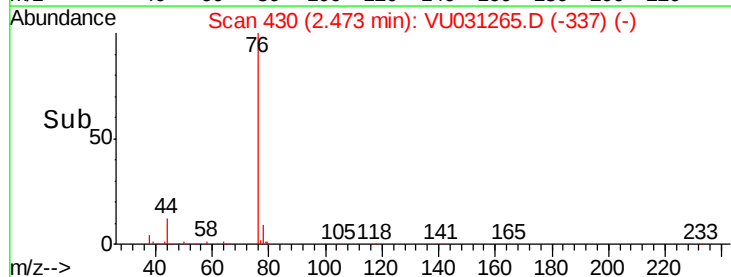
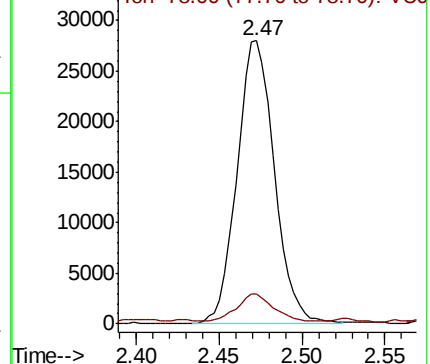
Ion Ratio Lower Upper

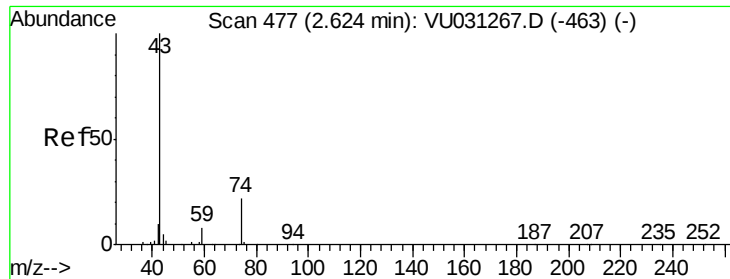
76 100

78 10.6 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU031267.D (-415) (-)

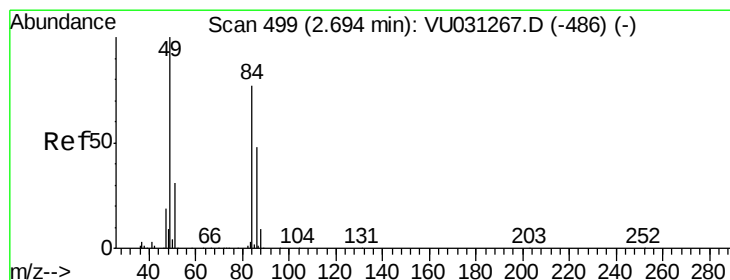
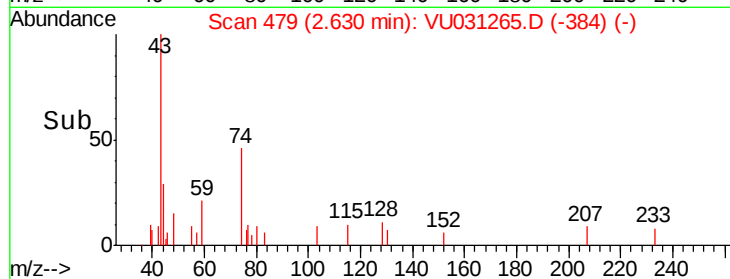
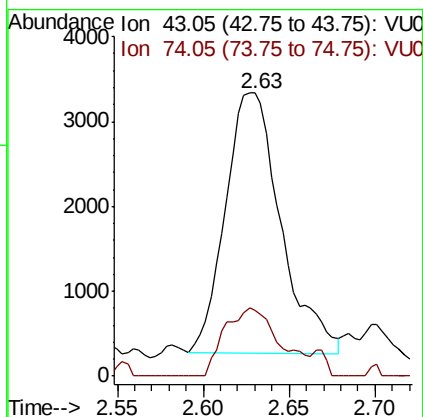
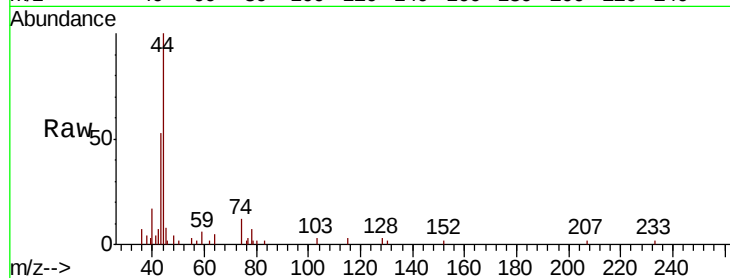




#15
Methyl Acetate
Concen: 0.522 ug/L
RT: 2.63 min Scan# 479
Delta R.T. 0.01 min
Lab File: VU031265.D
Acq: 17 Apr 2019 18:13

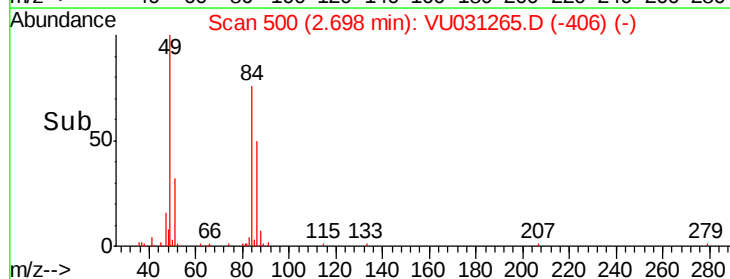
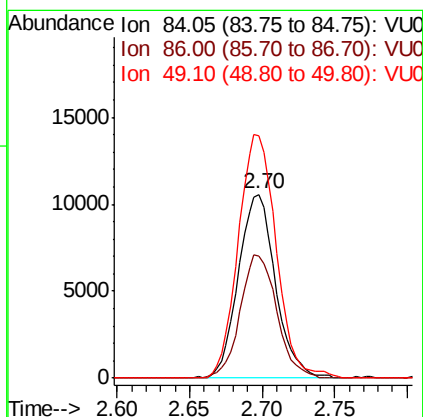
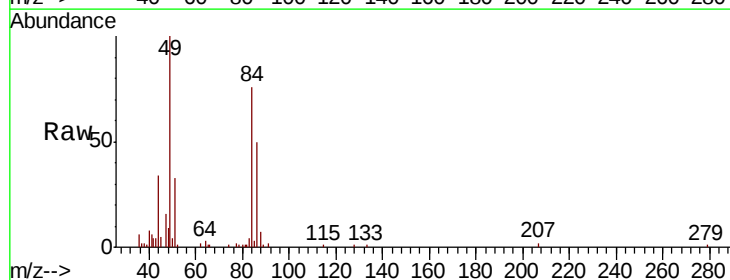
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

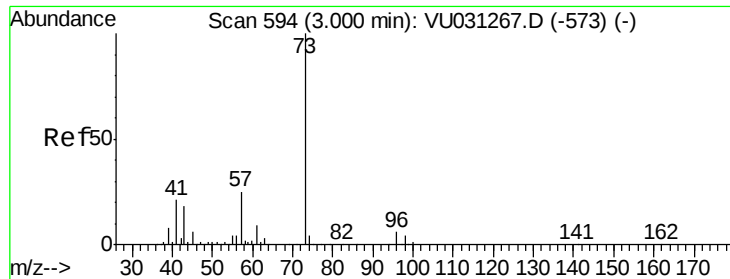
Tgt Ion: 43 Resp: 6867
Ion Ratio Lower Upper
43 100
74 26.2 17.8 26.6



#16
Methylene chloride
Concen: 0.648 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031265.D
Acq: 17 Apr 2019 18:13

Tgt Ion: 84 Resp: 18817
Ion Ratio Lower Upper
84 100
86 66.6 44.0 81.6
49 132.0 90.9 168.9

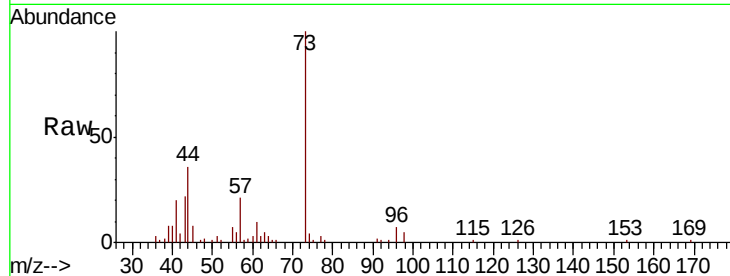




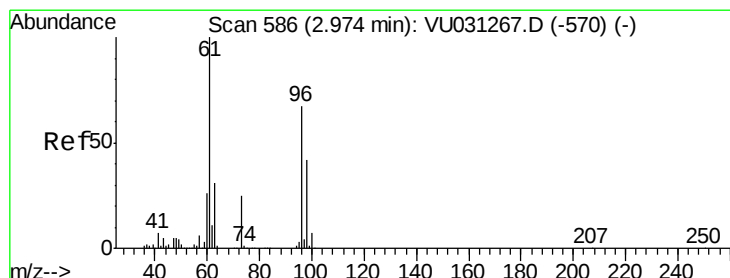
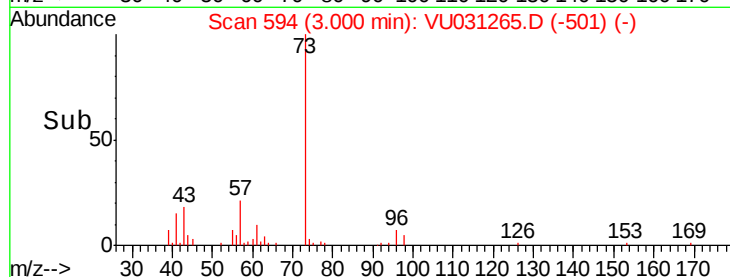
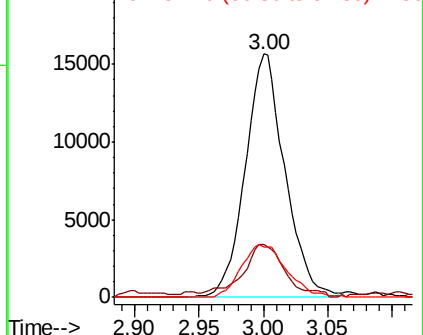
#17
Methyl tert-butyl Ether
Concen: 0.504 ug/L
RT: 3.00 min Scan# 594
Delta R.T. -0.00 min
Lab File: VU031265.D
Acq: 17 Apr 2019 18:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Tgt Ion: 73 Resp: 33618
Ion Ratio Lower Upper
73 100
43 23.8 15.2 22.8#
57 24.7 19.4 29.0

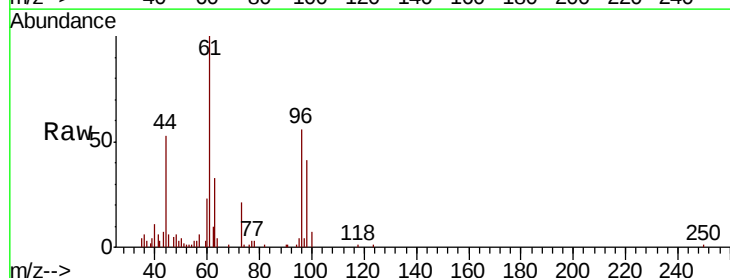


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

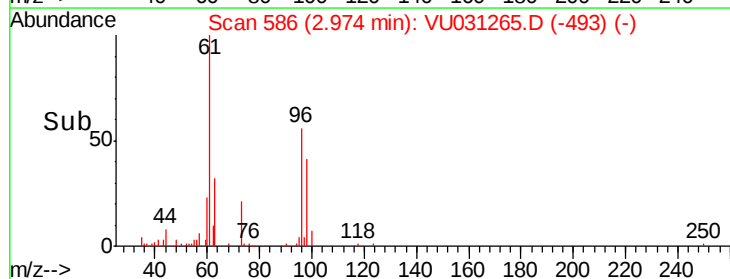
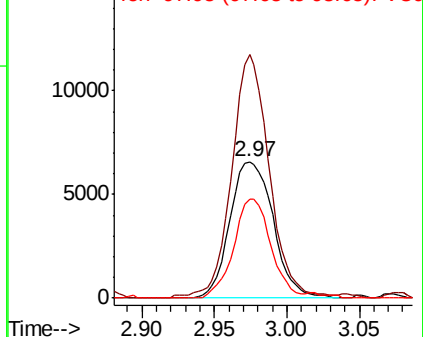


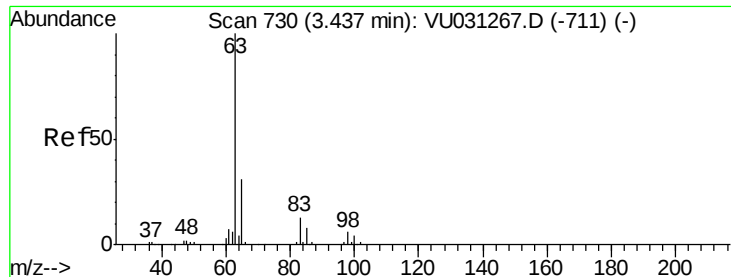
#18
trans-1,2-Dichloroethene
Concen: 0.515 ug/L
RT: 2.97 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU031265.D
Acq: 17 Apr 2019 18:13

Tgt Ion: 96 Resp: 13659
Ion Ratio Lower Upper
96 100
61 178.4 105.0 195.0
98 72.9 43.9 81.5



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 0.397 ug/L

RT: 3.44 min Scan# 732

Delta R.T. 0.01 min

Lab File: VU031265.D

Acq: 17 Apr 2019 18:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

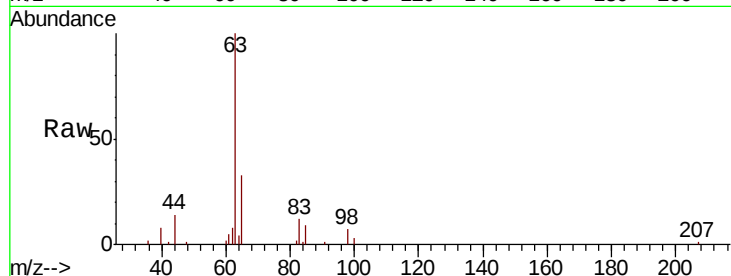
Tgt Ion: 63 Resp: 20810

Ion Ratio Lower Upper

63 100

65 32.6 21.6 40.2

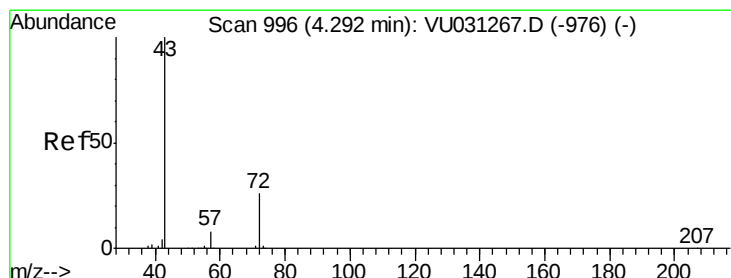
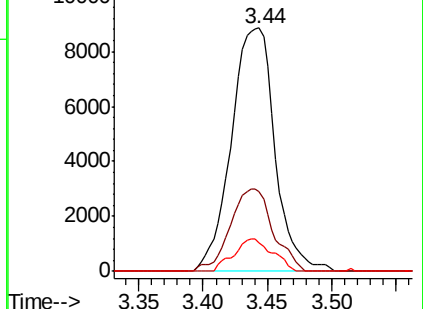
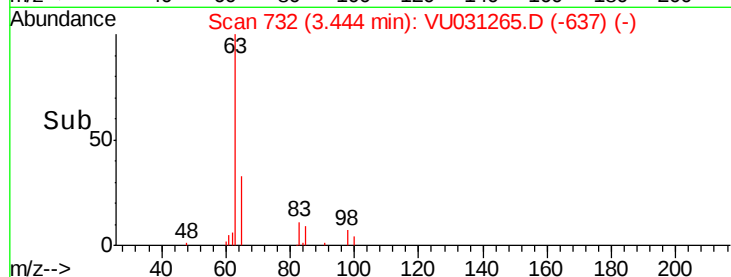
83 12.0 9.2 17.2



Abundance Ion 63.10 (62.80 to 63.80): VU031265.D (-637) (-)

Ion 65.10 (64.80 to 65.80): VU031265.D (-637) (-)

Ion 83.05 (82.75 to 83.75): VU031265.D (-637) (-)



#21

2-Butanone

Concen: 4.050 ug/L

RT: 4.31 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VU031265.D

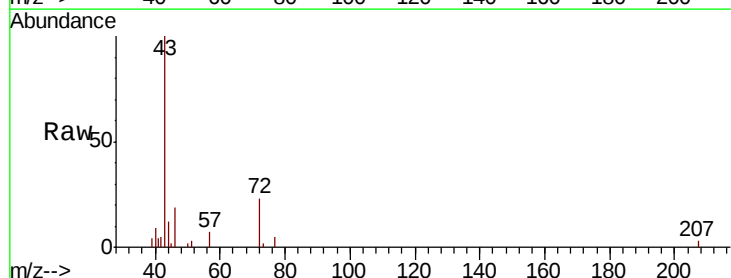
Acq: 17 Apr 2019 18:13

Tgt Ion: 43 Resp: 31519

Ion Ratio Lower Upper

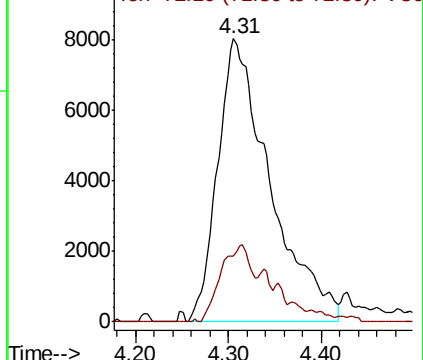
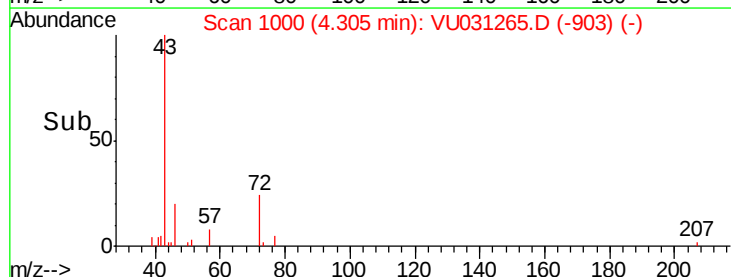
43 100

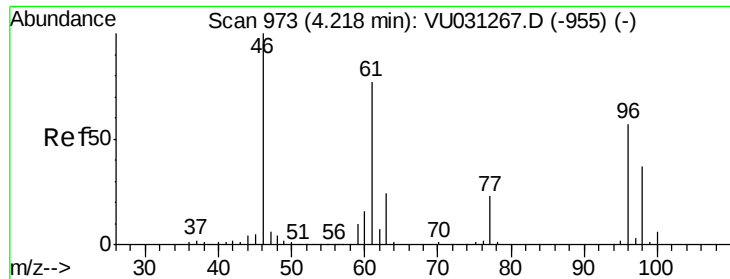
72 15.6 13.0 38.9



Abundance Ion 43.05 (42.75 to 43.75): VU031265.D (-903) (-)

Ion 72.10 (71.80 to 72.80): VU031265.D (-903) (-)



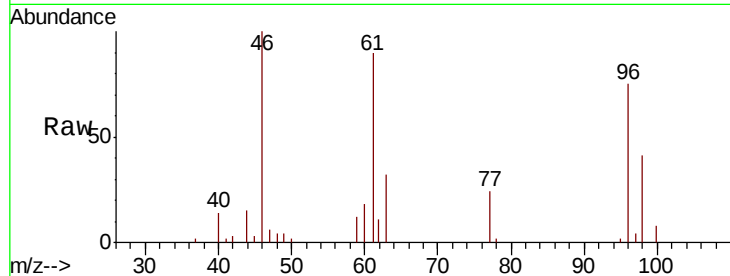


#22

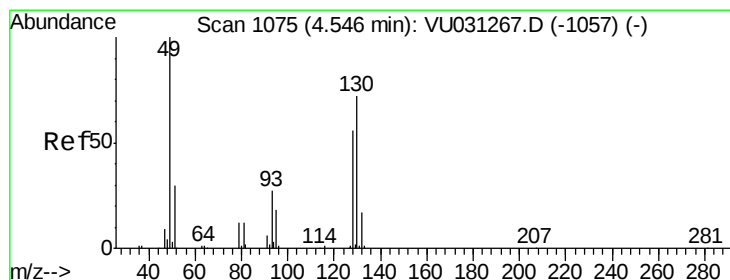
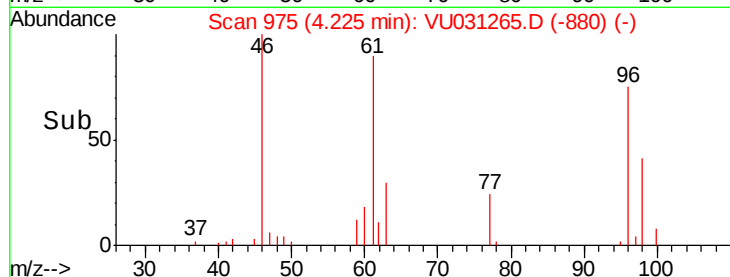
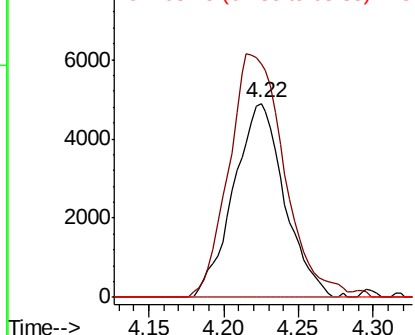
cis-1,2-Dichloroethene
 Concen: 0.427 ug/L
 RT: 4.22 min Scan# 975
 Delta R.T. 0.01 min
 Lab File: VU031265.D
 Acq: 17 Apr 2019 18:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tgt Ion: 96 Resp: 11556
 Ion Ratio Lower Upper
 96 100
 61 120.0 95.1 176.7
 68 0.0 0.0 0.0



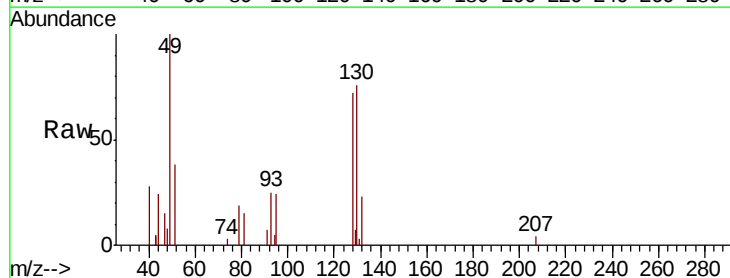
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



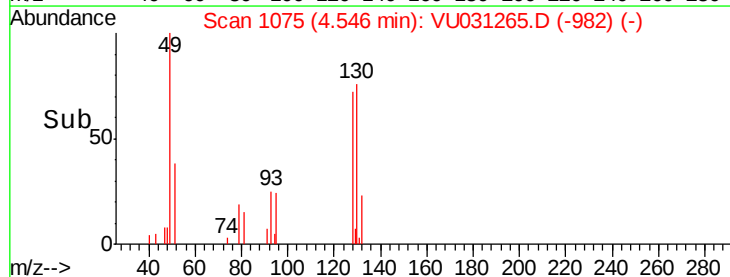
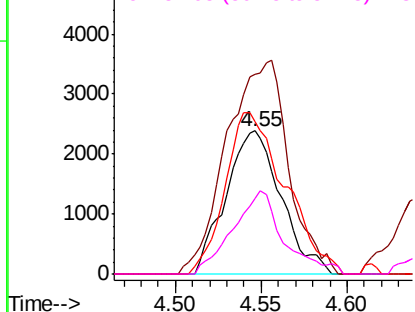
#23

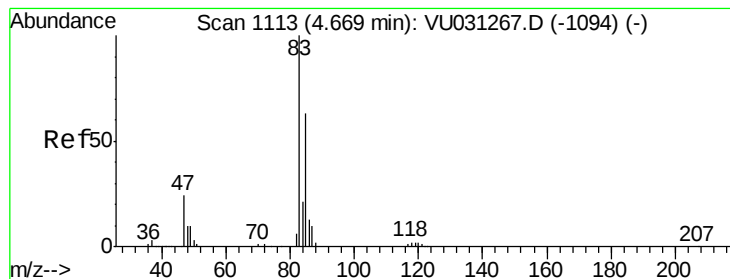
Bromochloromethane
 Concen: 0.490 ug/L
 RT: 4.55 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VU031265.D
 Acq: 17 Apr 2019 18:13

Tgt Ion: 128 Resp: 5324
 Ion Ratio Lower Upper
 128 100
 49 139.6 125.7 233.5
 130 106.2 91.0 169.0
 51 52.8 43.1 64.7



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0





#25

Chloroform

Concen: 0.395 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU031265.D

Acq: 17 Apr 2019 18:13

Instrument :

MSVOA_U

ClientSampleId :

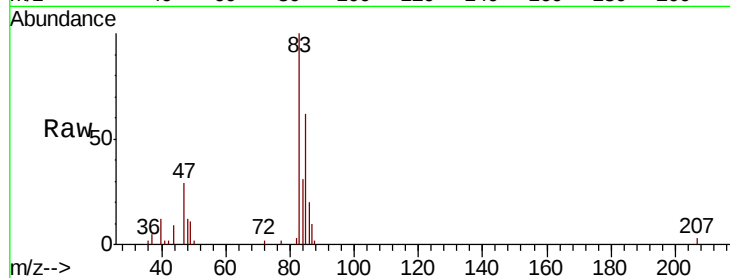
VSTD0.502

Tgt Ion: 83 Resp: 19079

Ion Ratio Lower Upper

83 100

85 62.0 44.4 82.5



Abundance Ion 83.05 (82.75 to 83.75): VU031267.D (-1094) (-)

Ion 85.00 (84.70 to 85.70): VU031267.D (-1094) (-)

4.67

8000

6000

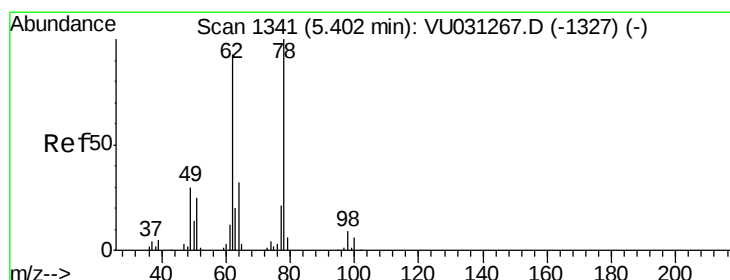
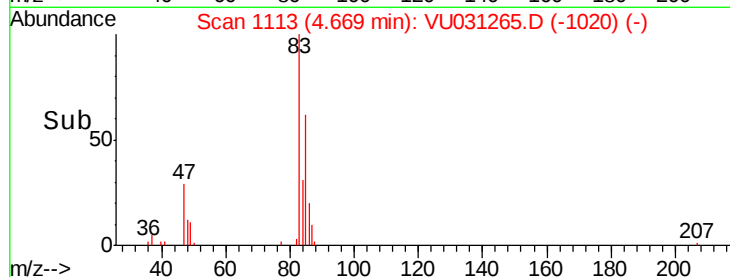
4000

2000

0

4.60 4.65 4.70 4.75

Time-->



#27

1,2-Dichloroethane

Concen: 0.400 ug/L

RT: 5.41 min Scan# 1343

Delta R.T. 0.01 min

Lab File: VU031265.D

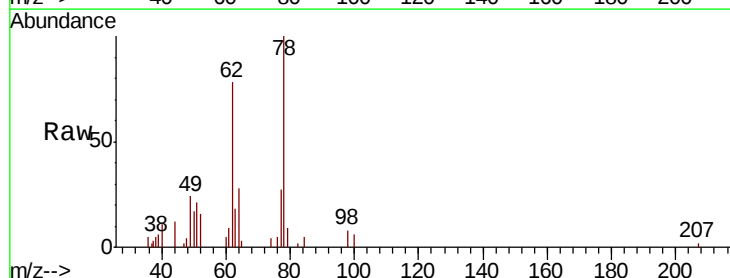
Acq: 17 Apr 2019 18:13

Tgt Ion: 62 Resp: 12508

Ion Ratio Lower Upper

62 100

98 10.7 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VU031267.D (-1327) (-)

Ion 98.05 (97.75 to 98.75): VU031267.D (-1327) (-)

5.41

6000

5000

4000

3000

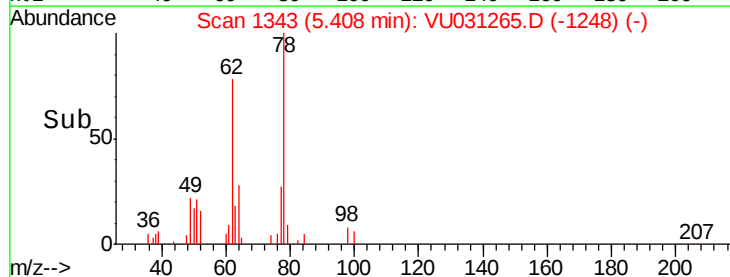
2000

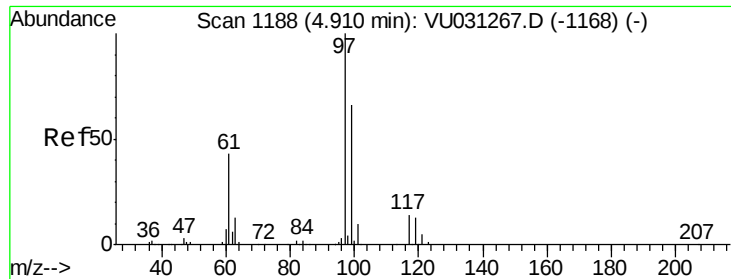
1000

0

5.35 5.40 5.45

Time-->

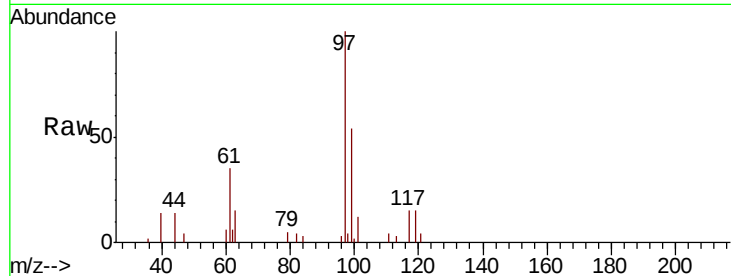




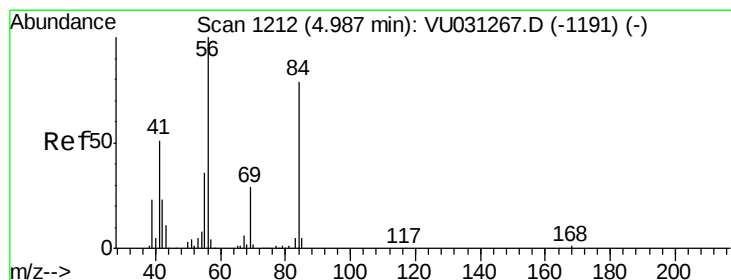
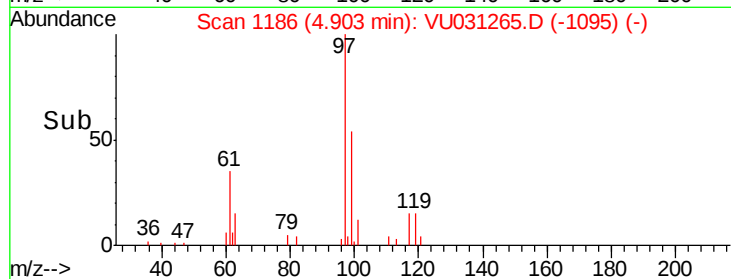
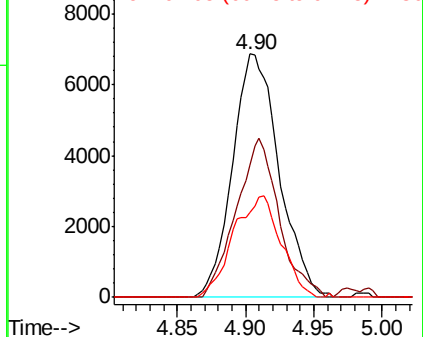
#29
 1,1,1-Trichloroethane
 Concen: 0.426 ug/L
 RT: 4.90 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: VU031265.D
 Acq: 17 Apr 2019 18:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tgt Ion	Ratio	Lower	Upper
97	100		
99	59.9	53.9	80.9
61	42.4	35.0	52.6

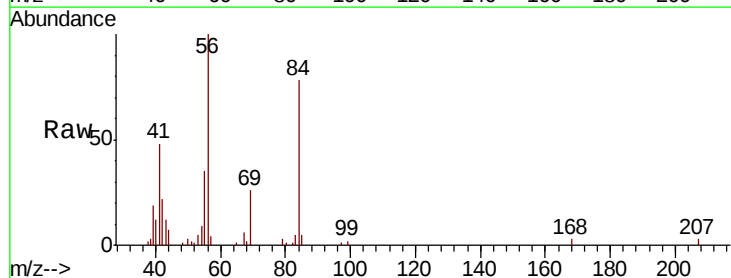


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

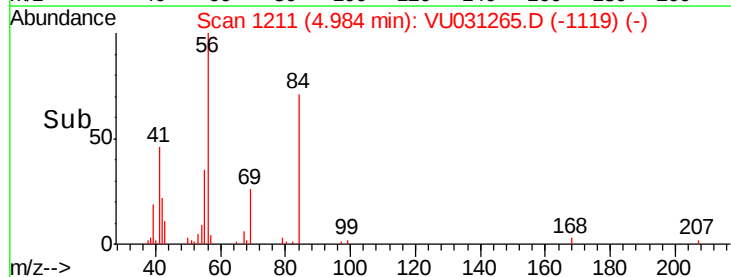
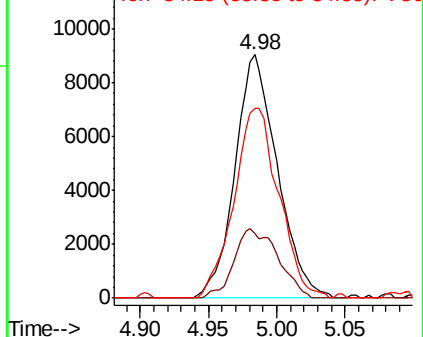


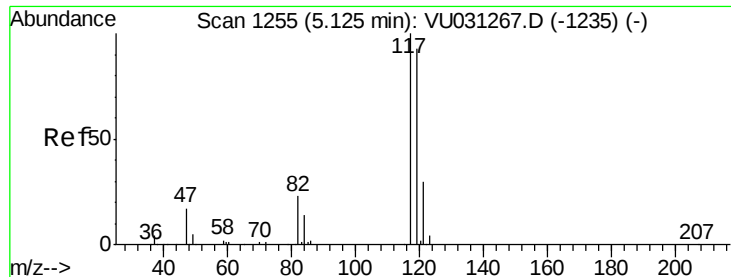
#30
 Cyclohexane
 Concen: 0.422 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: VU031265.D
 Acq: 17 Apr 2019 18:13

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.3	34.9
84	82.6	65.2	97.8



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 0.440 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU031265.D

Acq: 17 Apr 2019 18:13

Instrument :

MSVOA_U

ClientSampleId :

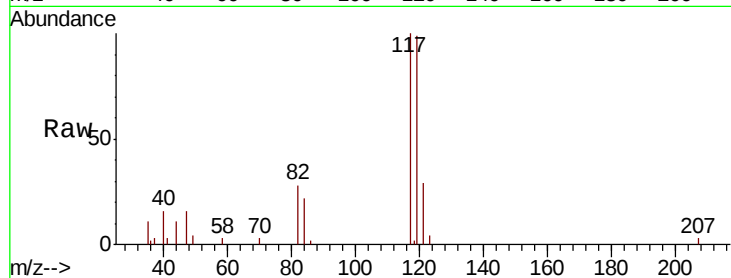
VSTD0.502

Tgt Ion:117 Resp: 14222

Ion Ratio Lower Upper

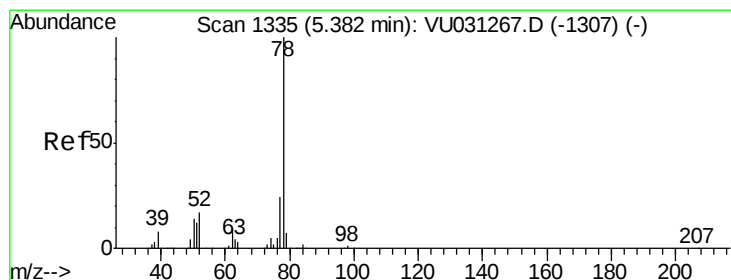
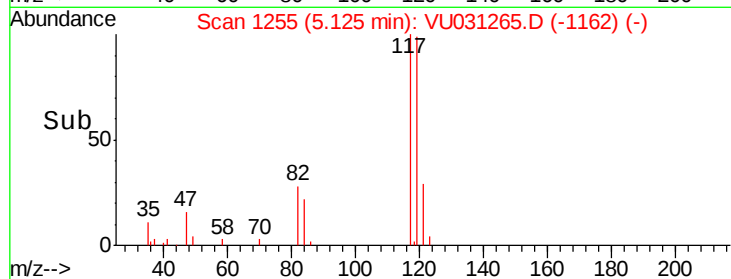
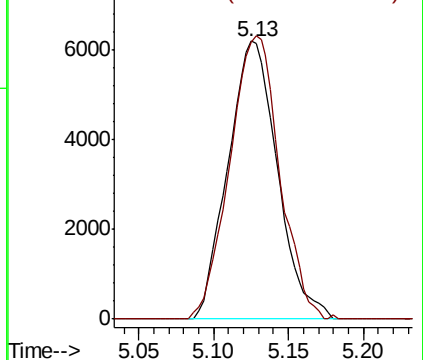
117 100

119 102.6 76.4 114.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.413 ug/L

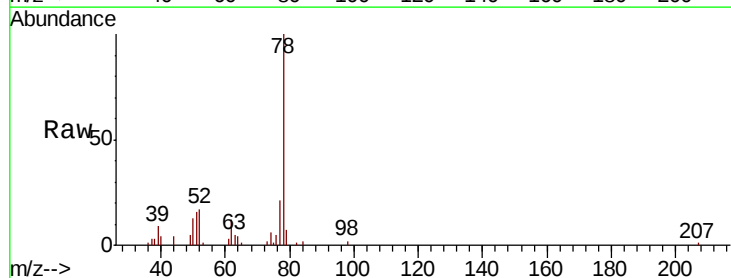
RT: 5.39 min Scan# 1337

Delta R.T. 0.01 min

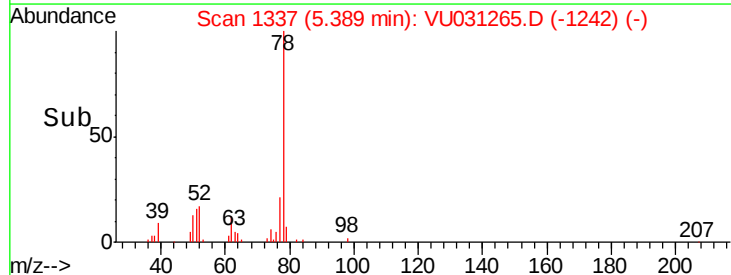
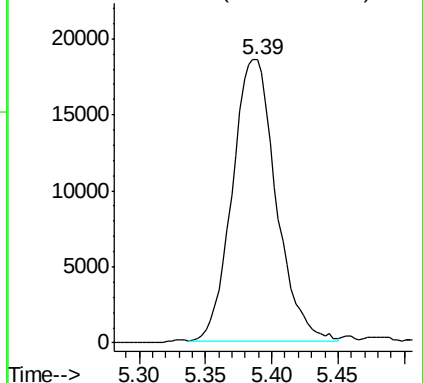
Lab File: VU031265.D

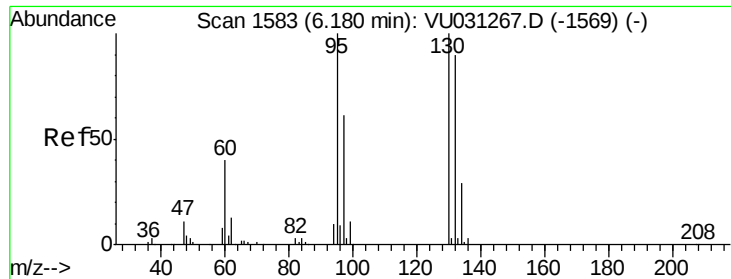
Acq: 17 Apr 2019 18:13

Tgt Ion: 78 Resp: 42196



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.521 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031265.D

Acq: 17 Apr 2019 18:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

Tgt Ion: 95 Resp: 13447

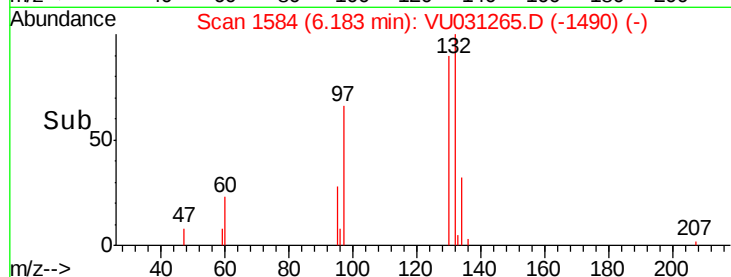
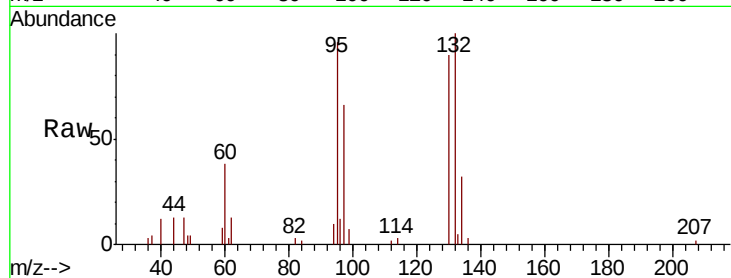
Ion Ratio Lower Upper

95 100

97 68.7 42.7 79.3

132 103.7 62.7 116.5

130 93.0 69.7 129.4

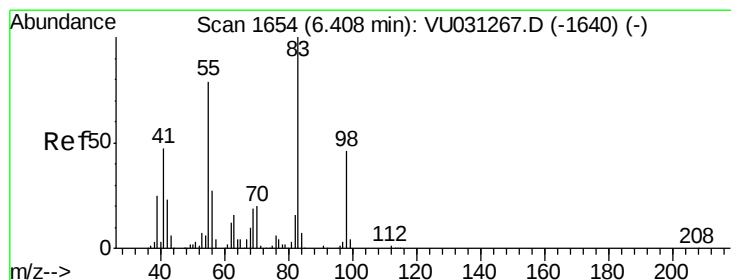
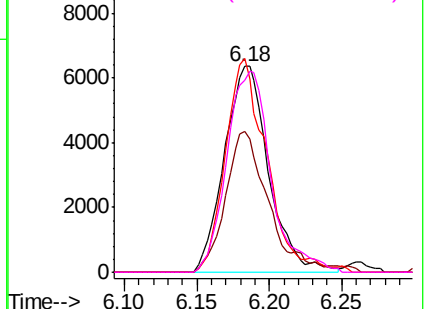


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.461 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU031265.D

Acq: 17 Apr 2019 18:13

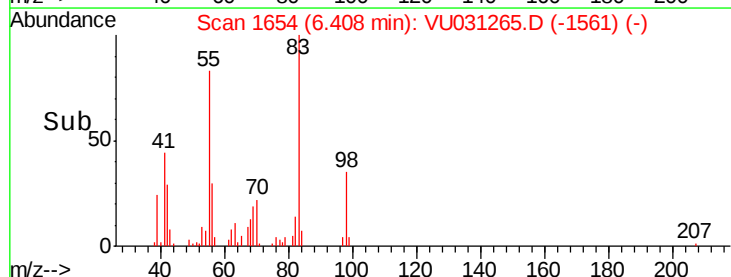
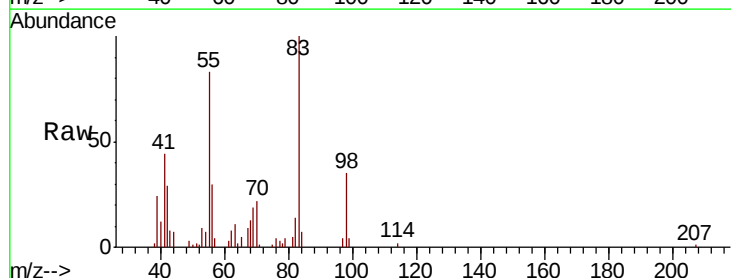
Tgt Ion: 83 Resp: 18728

Ion Ratio Lower Upper

83 100

55 79.9 66.1 99.1

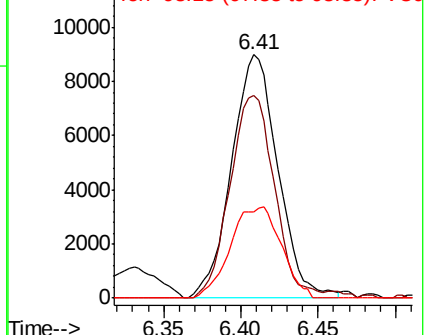
98 41.0 37.8 56.8

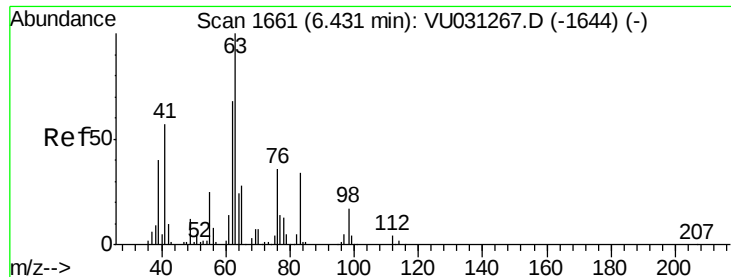


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.403 ug/L

RT: 6.44 min Scan# 1663

Delta R.T. 0.01 min

Lab File: VU031265.D

Acq: 17 Apr 2019 18:13

Instrument :

MSVOA_U

ClientSampleId :

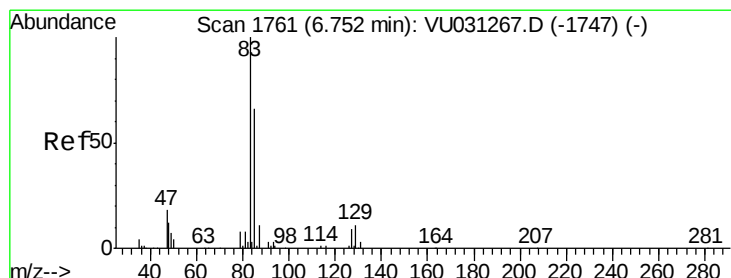
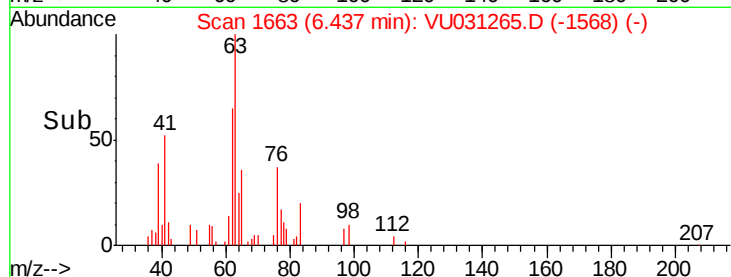
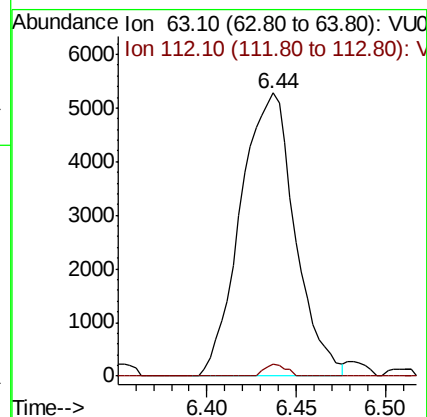
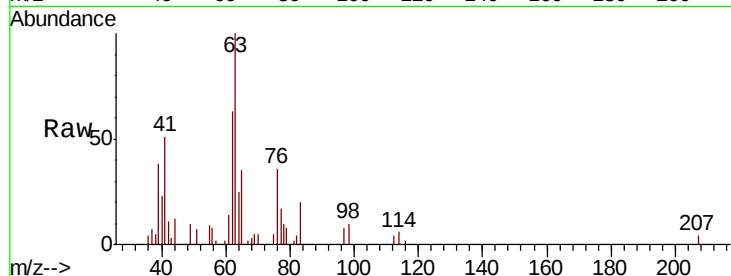
VSTD0.502

Tgt Ion: 63 Resp: 11260

Ion Ratio Lower Upper

63 100

112 1.7 3.5 5.3#



#38

Bromodichloromethane

Concen: 0.407 ug/L

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU031265.D

Acq: 17 Apr 2019 18:13

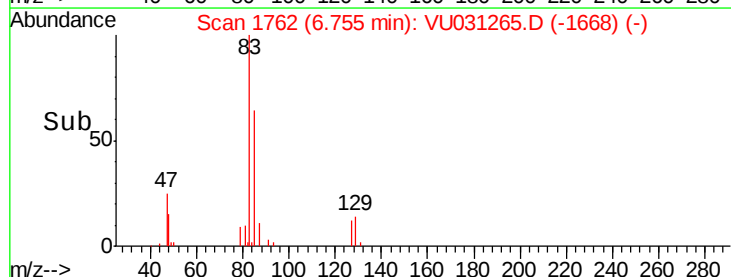
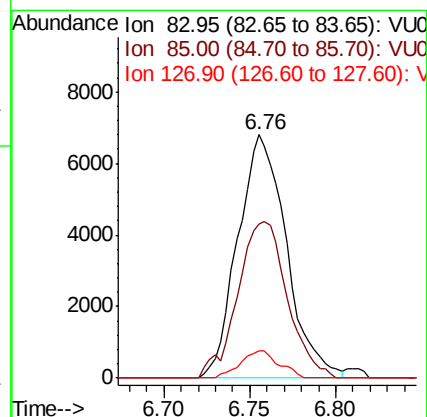
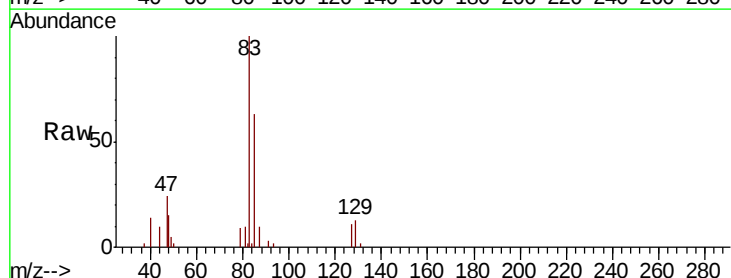
Tgt Ion: 83 Resp: 13321

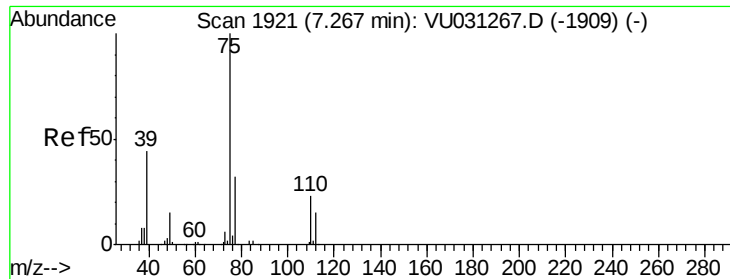
Ion Ratio Lower Upper

83 100

85 63.1 46.0 85.4

127 11.4 6.8 10.2#

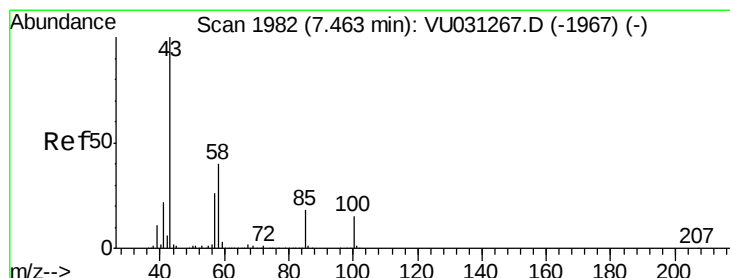
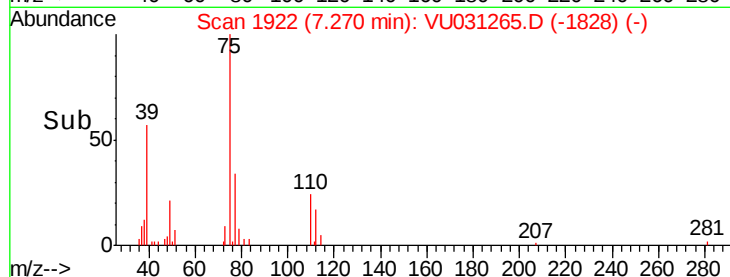
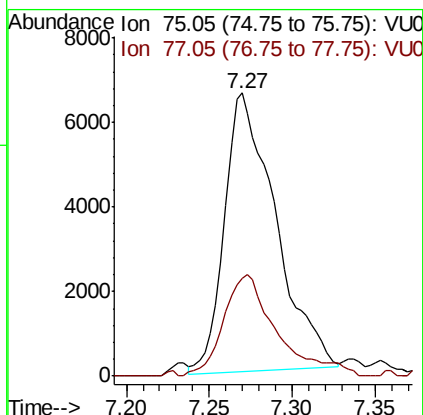
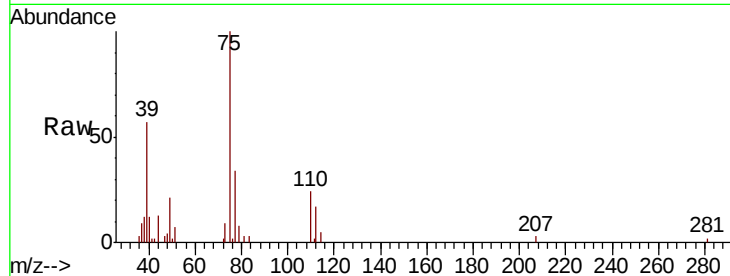




#39
 cis-1,3-Dichloropropene
 Concen: 0.377 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU031265.D
 Acq: 17 Apr 2019 18:13

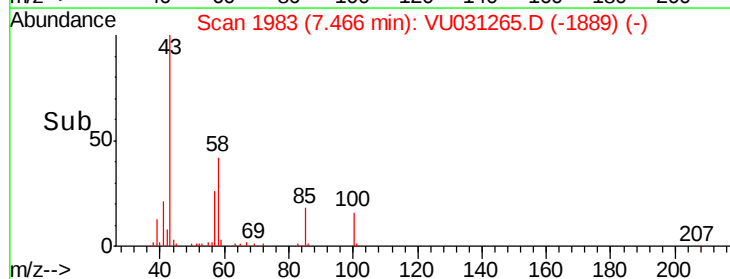
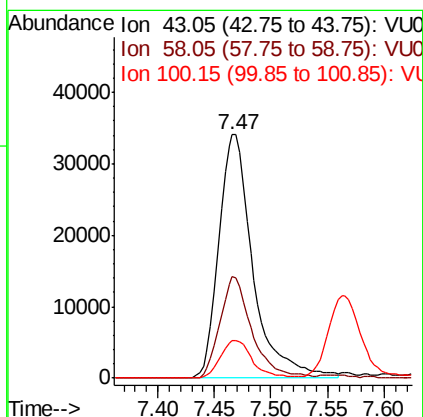
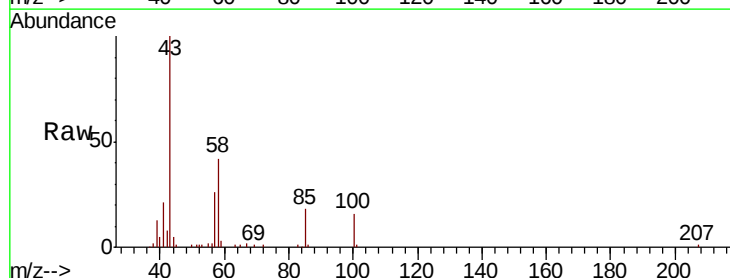
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

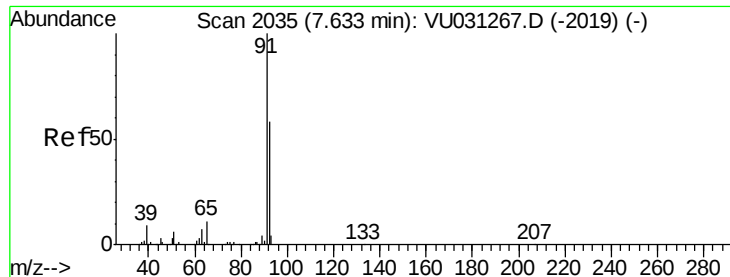
Tgt Ion: 75 Resp: 14061
 Ion Ratio Lower Upper
 75 100
 77 34.4 23.2 43.0



#40
 4-Methyl-2-pentanone
 Concen: 4.099 ug/L
 RT: 7.47 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VU031265.D
 Acq: 17 Apr 2019 18:13

Tgt Ion: 43 Resp: 71591
 Ion Ratio Lower Upper
 43 100
 58 39.0 31.8 47.8
 100 14.5 11.5 17.3





#42

Toluene

Concen: 0.455 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031265.D

Acq: 17 Apr 2019 18:13

Instrument :

MSVOA_U

ClientSampleId :

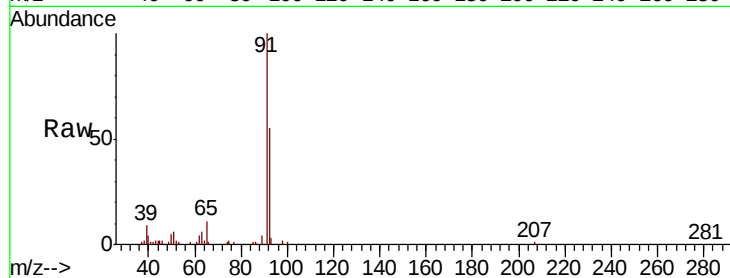
VSTD0.502

Tgt Ion: 91 Resp: 47032

Ion Ratio Lower Upper

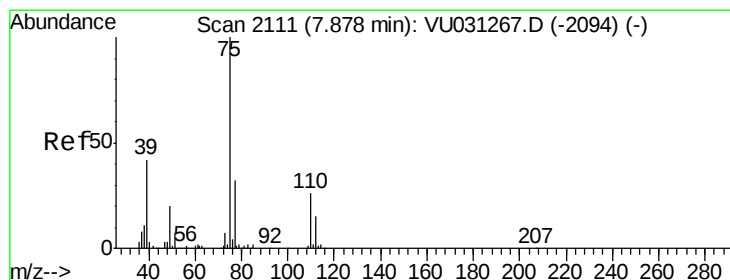
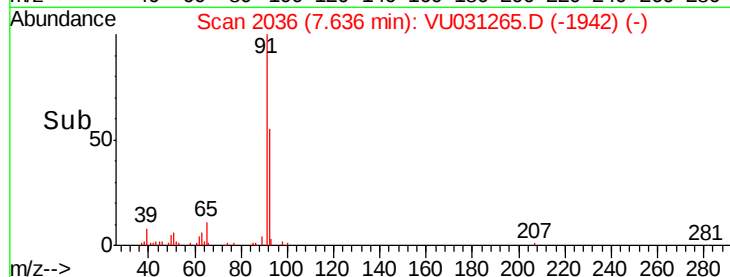
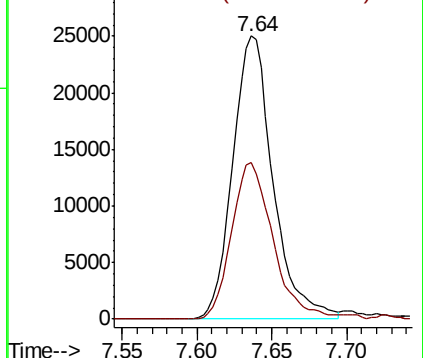
91 100

92 55.1 40.4 75.0



Abundance Ion 91.15 (90.85 to 91.85): VU031265.D (-1942) (-)

Ion 92.15 (91.85 to 92.85): VU031265.D (-1942) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.398 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.01 min

Lab File: VU031265.D

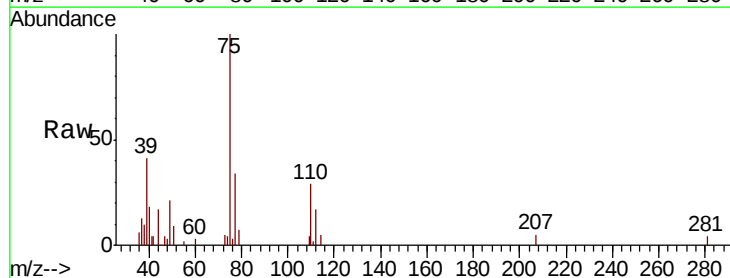
Acq: 17 Apr 2019 18:13

Tgt Ion: 75 Resp: 11608

Ion Ratio Lower Upper

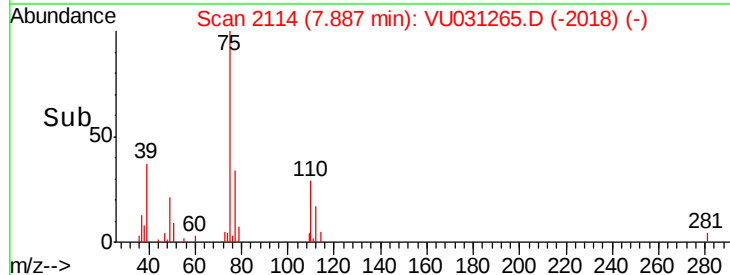
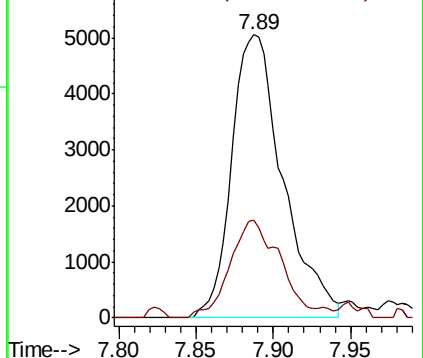
75 100

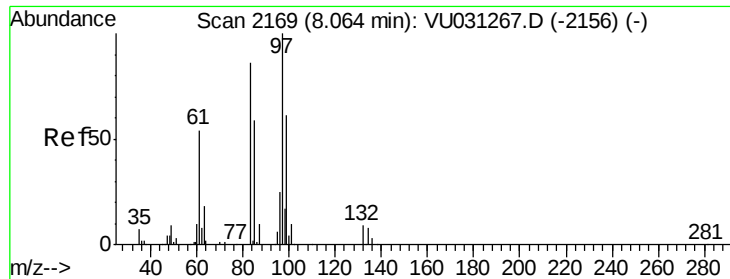
77 34.4 22.5 41.9



Abundance Ion 75.05 (74.75 to 75.75): VU031265.D (-2018) (-)

Ion 77.05 (76.75 to 77.75): VU031265.D (-2018) (-)

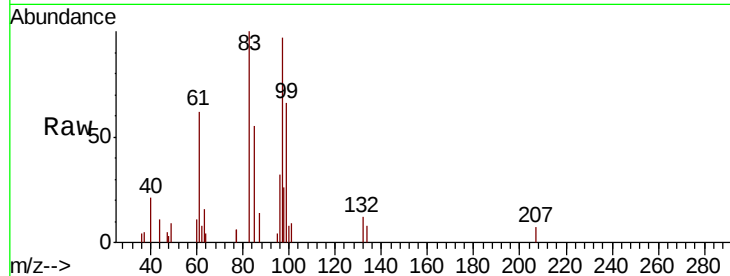




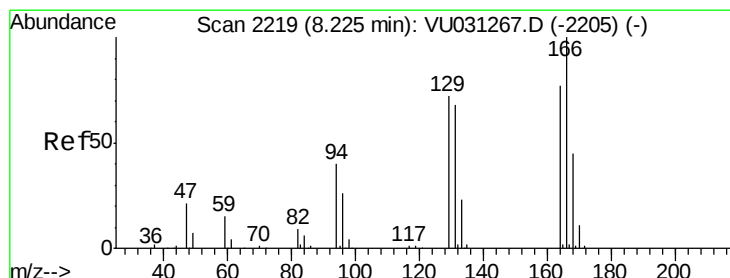
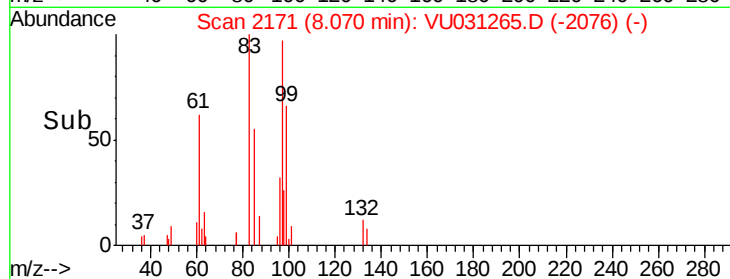
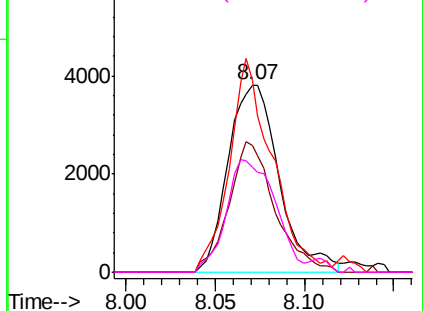
#45
 1,1,2-Trichloroethane
 Concen: 0.443 ug/L
 RT: 8.07 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VU031265.D
 Acq: 17 Apr 2019 18:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tgt Ion:	97	Resp:	7591
Ion	Ratio	Lower	Upper
97	100		
99	67.5	42.8	79.6
83	102.9	60.4	112.2
85	56.4	41.4	77.0

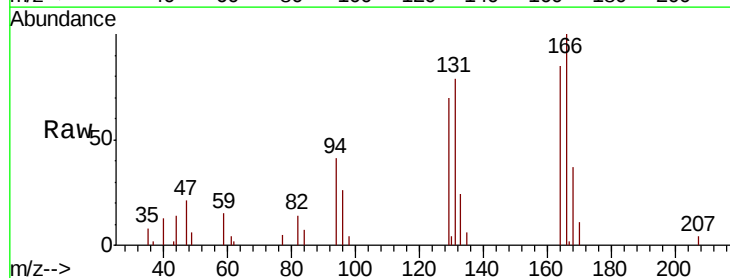


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

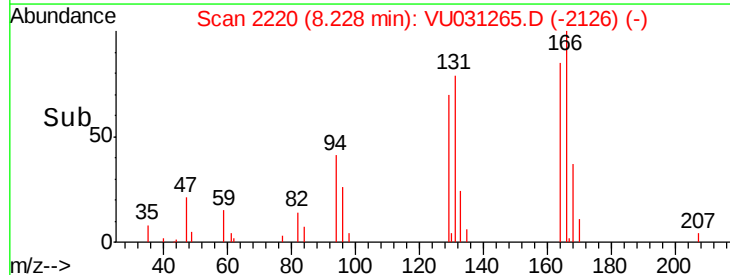
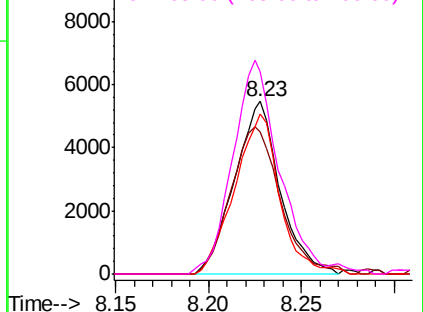


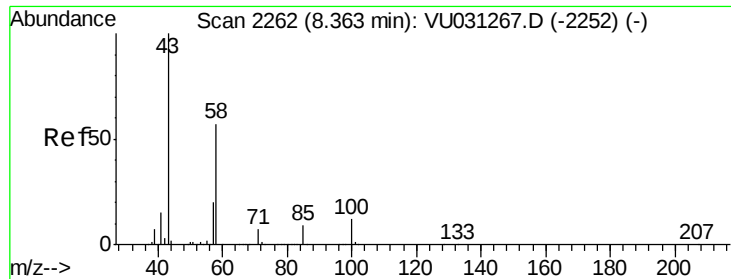
#47
 Tetrachloroethene
 Concen: 0.504 ug/L
 RT: 8.23 min Scan# 2220
 Delta R.T. 0.00 min
 Lab File: VU031265.D
 Acq: 17 Apr 2019 18:13

Tgt Ion:	164	Resp:	9300
Ion	Ratio	Lower	Upper
164	100		
129	82.2	65.2	121.2
131	93.0	61.9	114.9
166	117.4	91.2	169.4



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

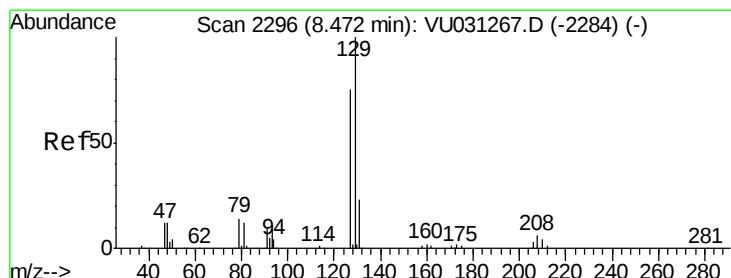
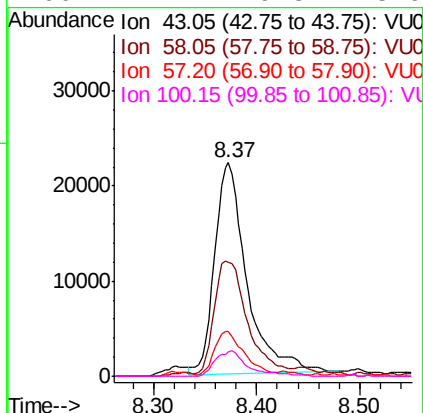
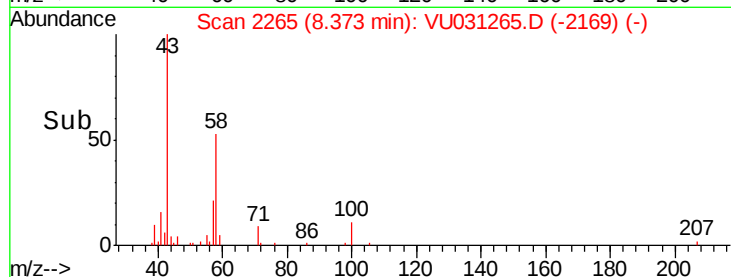
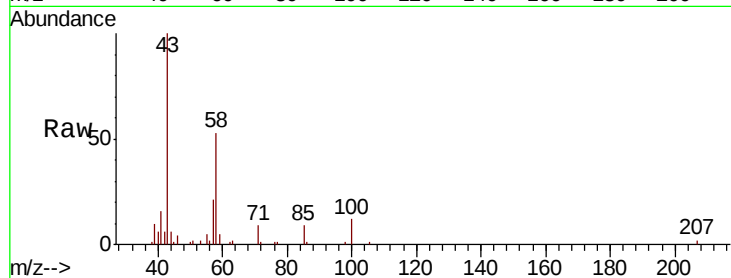




#48
2-Hexanone
Concen: 4.023 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.01 min
Lab File: VU031265.D
Acq: 17 Apr 2019 18:13

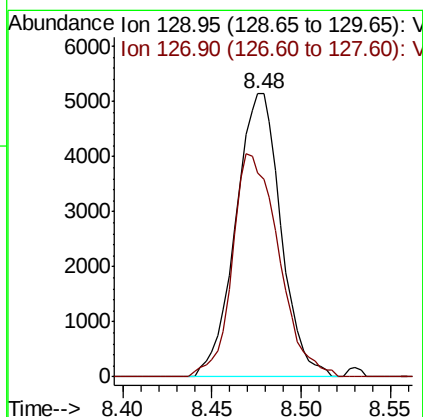
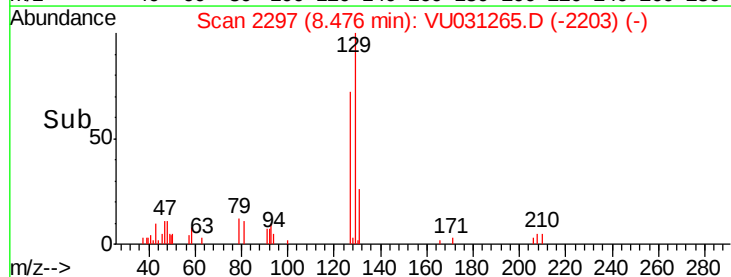
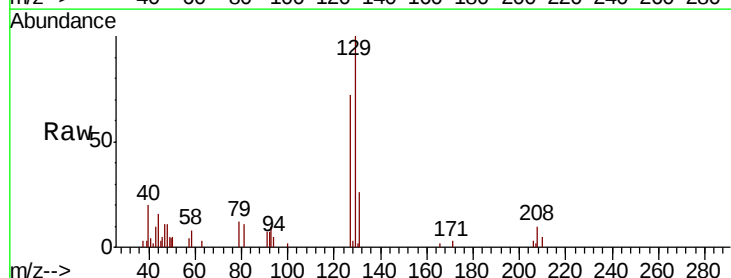
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

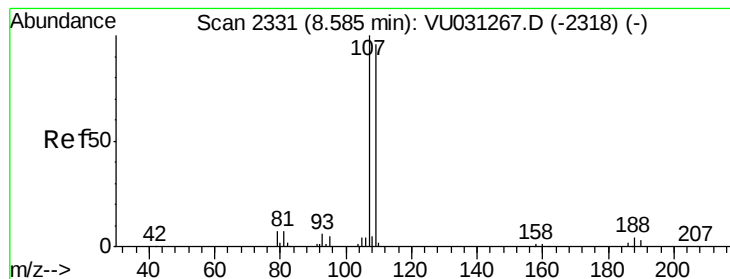
Tgt Ion: 43 Resp: 48545
Ion Ratio Lower Upper
43 100
58 56.0 44.4 66.6
57 19.2 15.7 23.5
100 12.1 9.3 13.9



#49
Dibromochloromethane
Concen: 0.448 ug/L
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU031265.D
Acq: 17 Apr 2019 18:13

Tgt Ion: 129 Resp: 9079
Ion Ratio Lower Upper
129 100
127 72.0 52.3 97.1





#50

1,2-Dibromoethane

Concen: 0.444 ug/L

RT: 8.59 min Scan# 2332

Delta R.T. 0.00 min

Lab File: VU031265.D

Acq: 17 Apr 2019 18:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

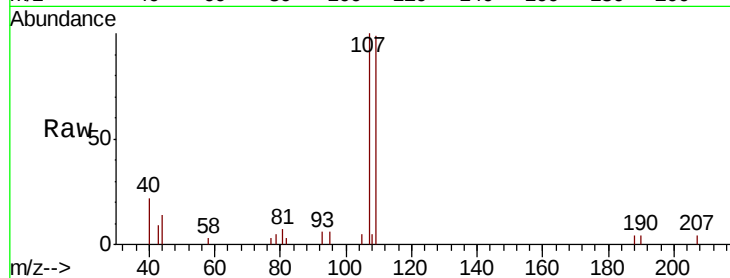
Tgt Ion:107 Resp: 7085

Ion Ratio Lower Upper

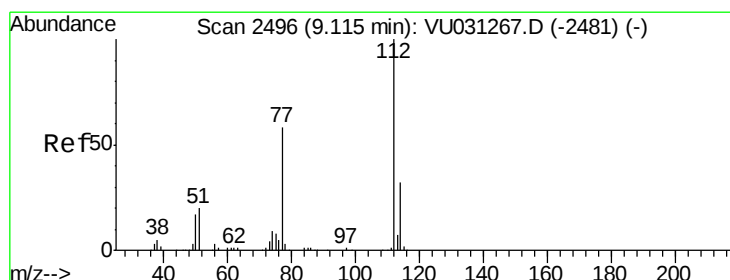
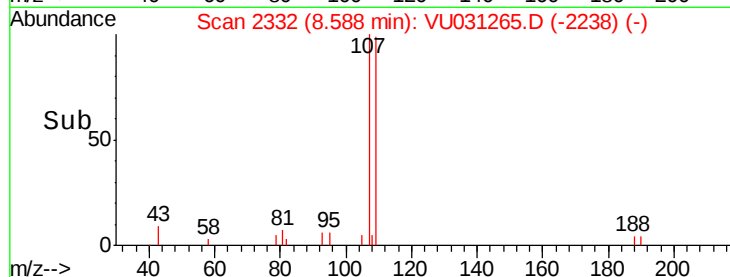
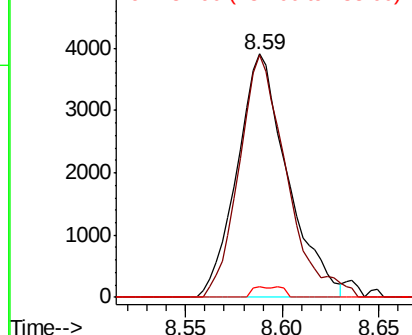
107 100

109 99.3 67.3 124.9

188 4.2 2.8 4.2#



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 0.457 ug/L

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU031265.D

Acq: 17 Apr 2019 18:13

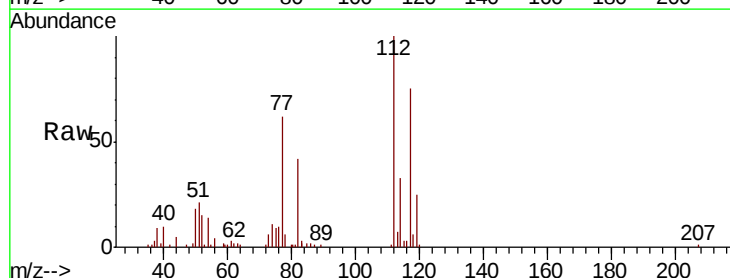
Tgt Ion:112 Resp: 29274

Ion Ratio Lower Upper

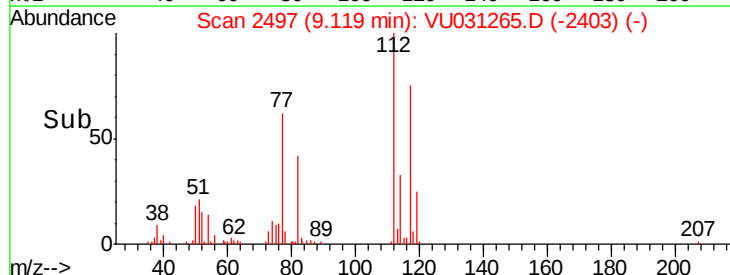
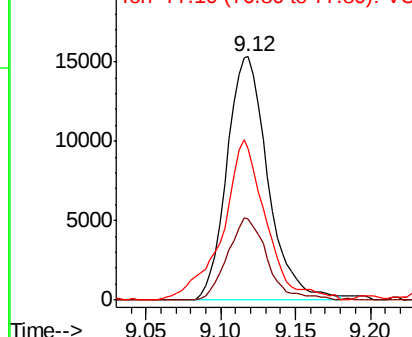
112 100

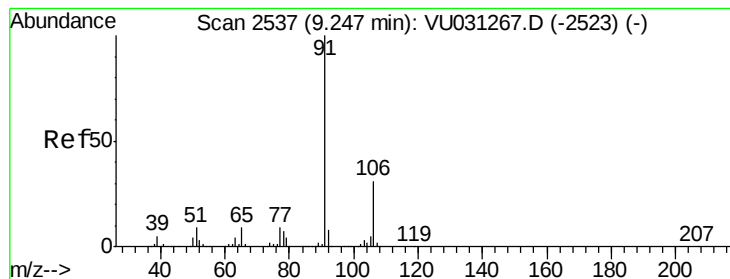
114 33.3 22.2 41.2

77 62.2 46.7 70.1



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 0.446 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU031265.D

Acq: 17 Apr 2019 18:13

Instrument :

MSVOA_U

ClientSampleId :

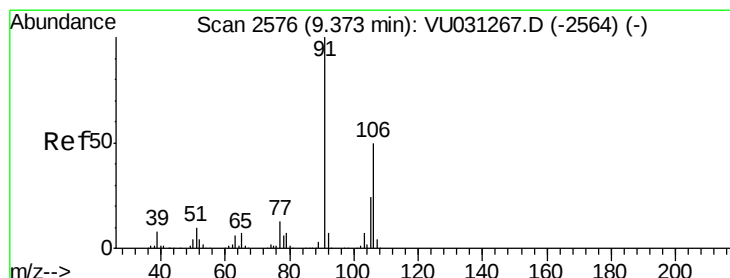
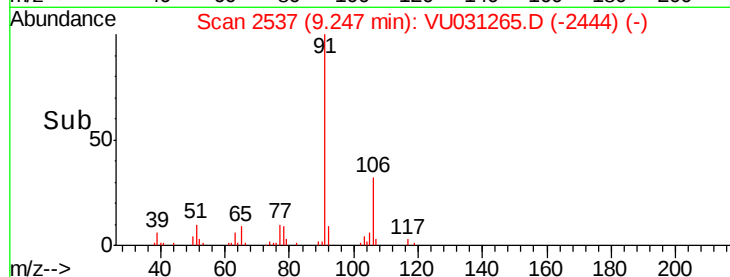
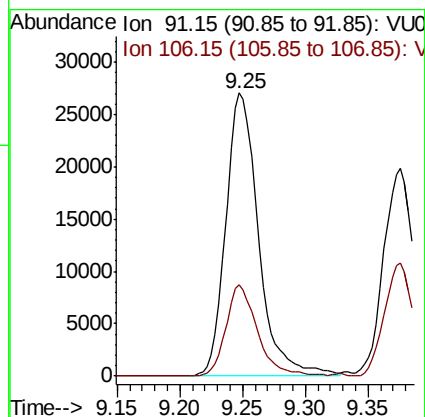
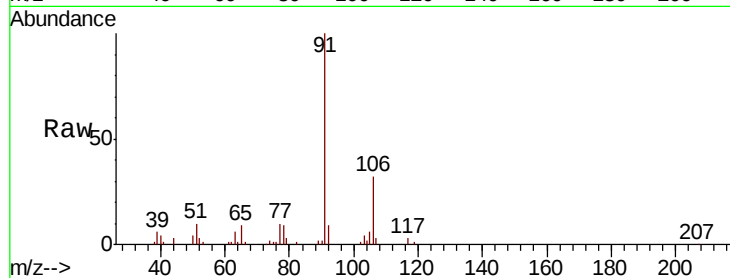
VSTD0.502

Tgt Ion: 91 Resp: 49010

Ion Ratio Lower Upper

91 100

106 32.2 21.3 39.6



#53

m,p-Xylene

Concen: 0.484 ug/L

RT: 9.38 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VU031265.D

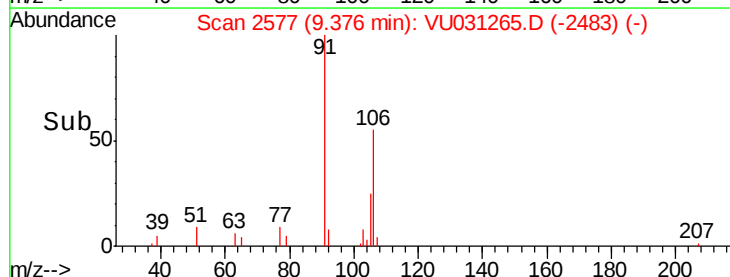
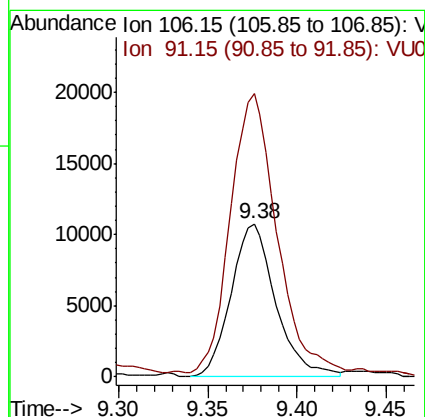
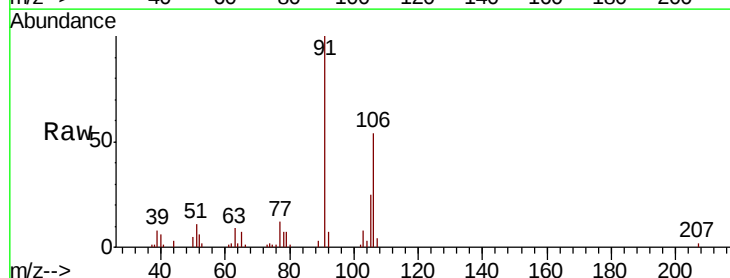
Acq: 17 Apr 2019 18:13

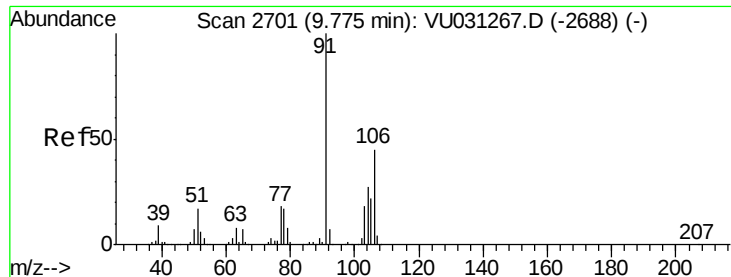
Tgt Ion: 106 Resp: 18800

Ion Ratio Lower Upper

106 100

91 184.7 139.8 259.6

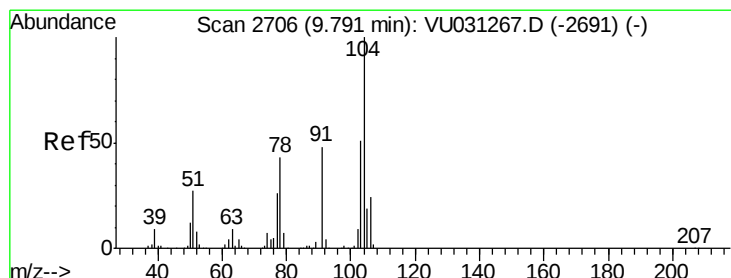
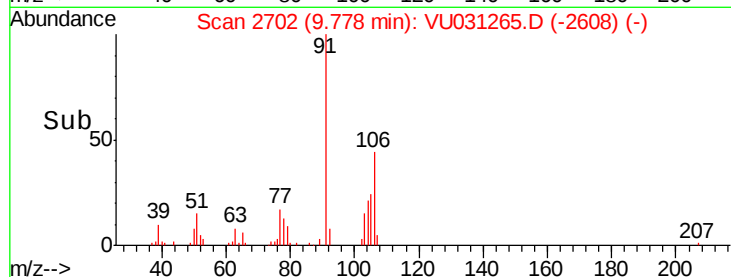
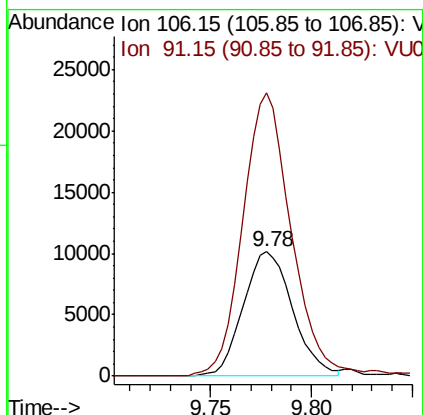
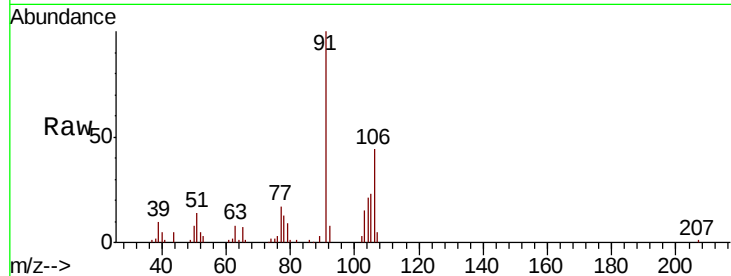




#54
o-Xylene
Concen: 0.456 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU031265.D
Acq: 17 Apr 2019 18:13

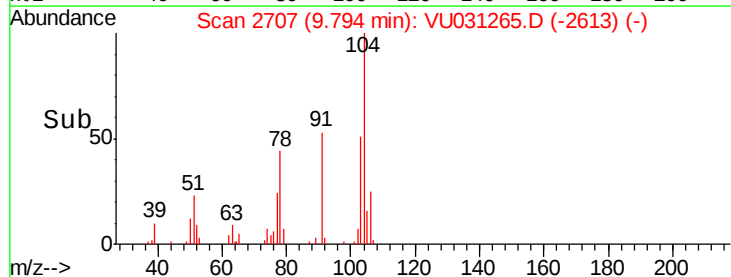
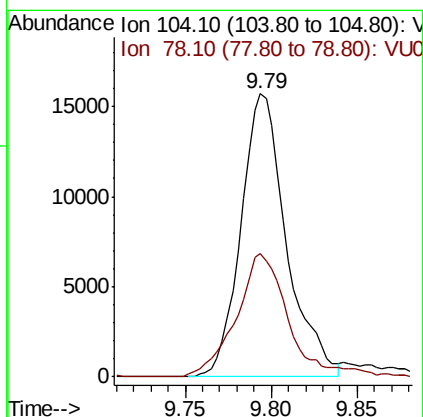
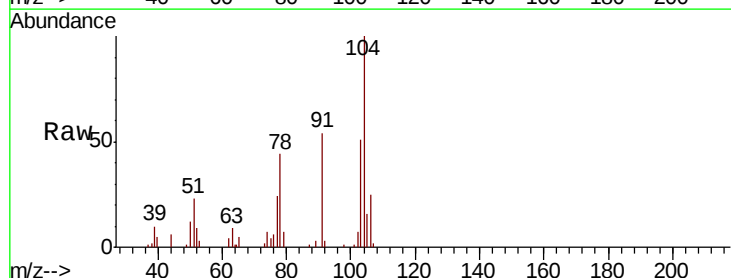
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

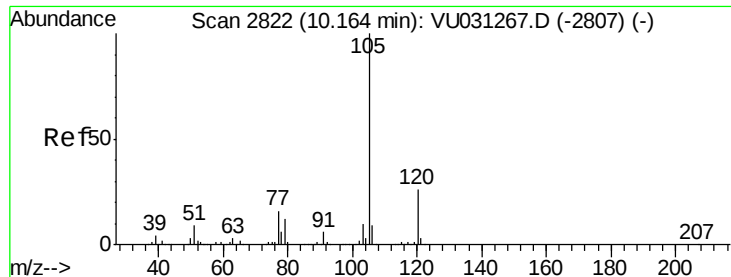
Tgt Ion:106 Resp: 17384
Ion Ratio Lower Upper
106 100
91 228.0 153.9 285.9



#55
Styrene
Concen: 0.451 ug/L
RT: 9.79 min Scan# 2707
Delta R.T. 0.00 min
Lab File: VU031265.D
Acq: 17 Apr 2019 18:13

Tgt Ion:104 Resp: 28805
Ion Ratio Lower Upper
104 100
78 43.8 30.0 55.8





#56

Isopropylbenzene

Concen: 0.455 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU031265.D

Acq: 17 Apr 2019 18:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

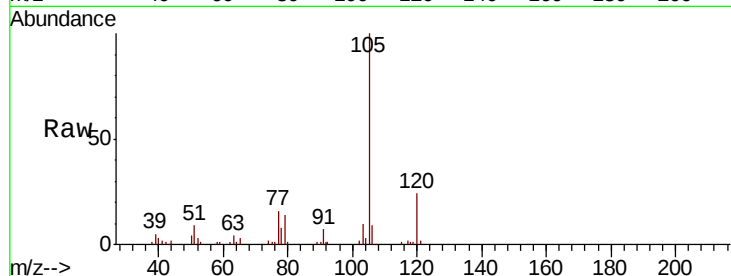
Tgt Ion:105 Resp: 46202

Ion Ratio Lower Upper

105 100

120 26.3 20.8 31.2

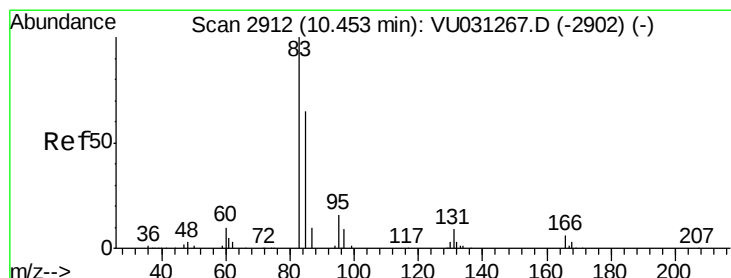
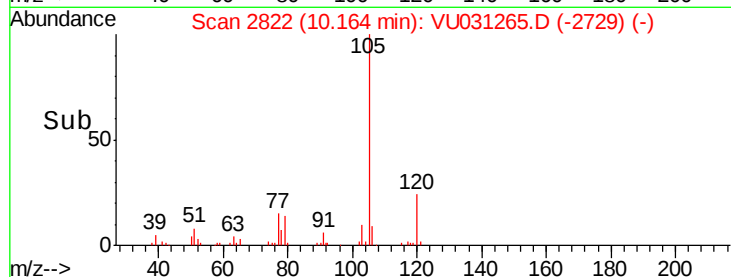
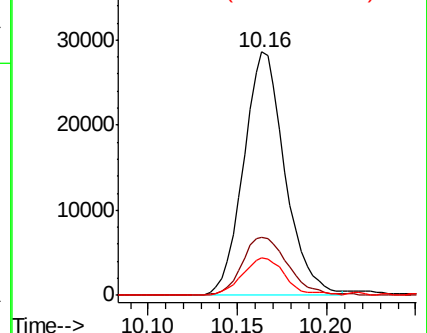
77 16.1 12.4 18.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.418 ug/L

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU031265.D

Acq: 17 Apr 2019 18:13

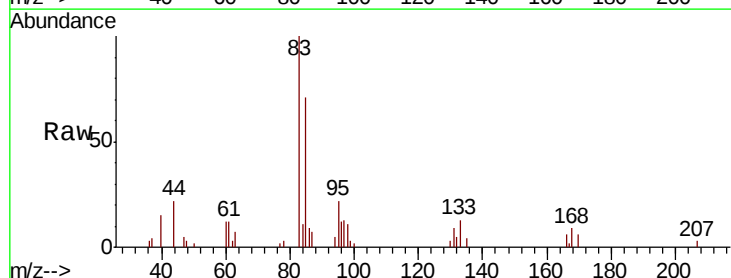
Tgt Ion: 83 Resp: 9353

Ion Ratio Lower Upper

83 100

85 70.7 46.5 86.3

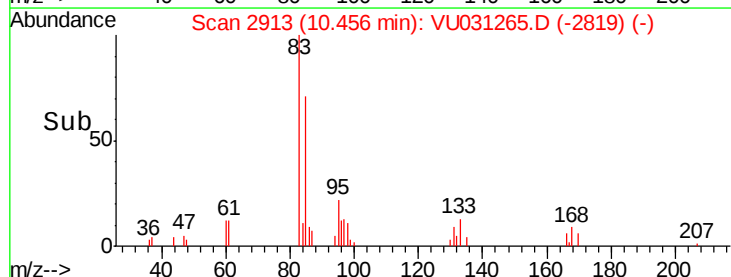
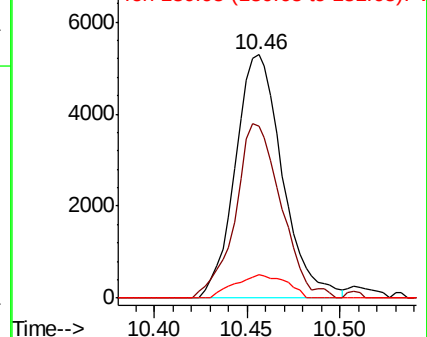
131 9.5 7.8 11.6

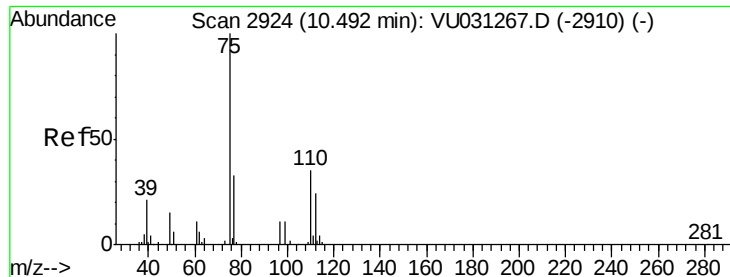


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.418 ug/L

RT: 10.49 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VU031265.D

Acq: 17 Apr 2019 18:13

Instrument :

MSVOA_U

ClientSampleId :

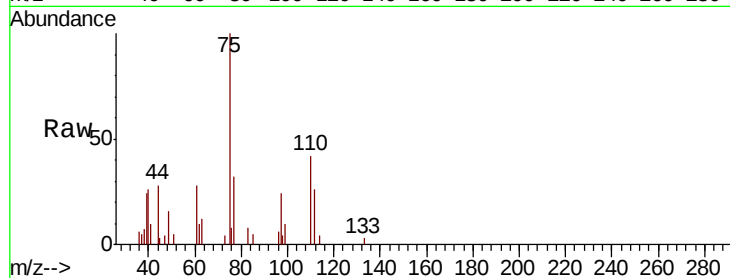
VSTD0.502

Tgt Ion: 75 Resp: 6612

Ion Ratio Lower Upper

75 100

77 38.1 26.9 40.3



Abundance Ion 75.00 (74.70 to 75.70): VU031267.D (-2910) (-)

Ion 77.00 (76.70 to 77.70): VU031267.D (-2910) (-)

10.49

4000

3000

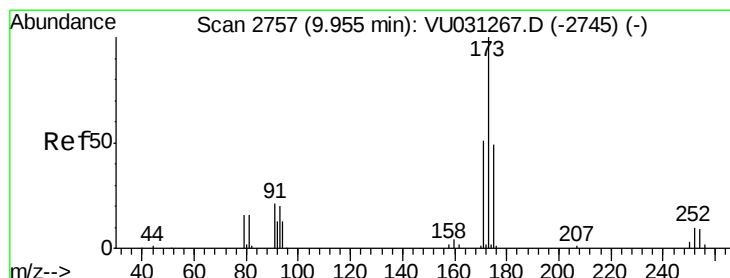
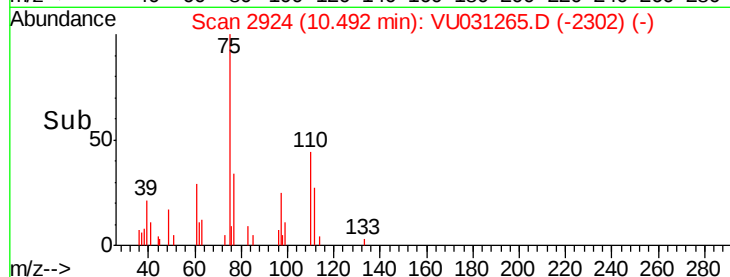
2000

1000

0

10.45 10.50 10.55

Time-->



#61

Bromoform

Concen: 0.488 ug/L

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU031265.D

Acq: 17 Apr 2019 18:13

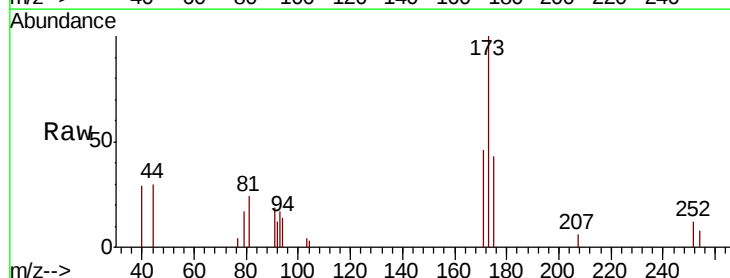
Tgt Ion: 173 Resp: 5469

Ion Ratio Lower Upper

173 100

175 44.6 39.3 58.9

254 6.6 7.7 11.5#



Abundance Ion 172.90 (172.60 to 173.60): VU031267.D (-2745) (-)

Ion 174.90 (174.60 to 175.60): VU031267.D (-2745) (-)

Ion 253.75 (253.45 to 254.45): VU031267.D (-2745) (-)

9.96

4000

3000

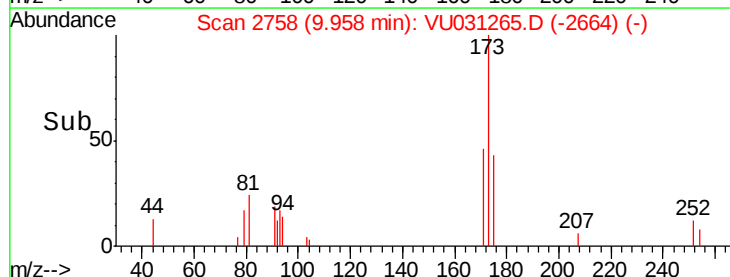
2000

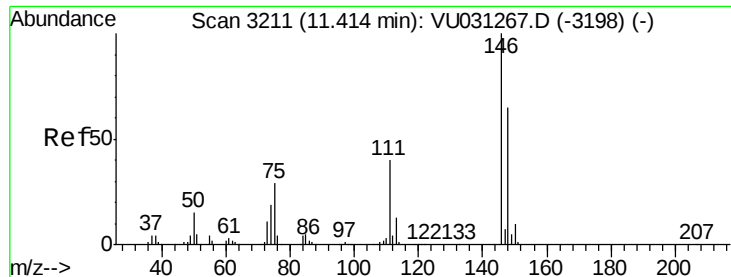
1000

0

9.90 9.95 10.00

Time-->





#62

1,3-Dichlorobenzene

Concen: 0.445 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU031265.D

Acq: 17 Apr 2019 18:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

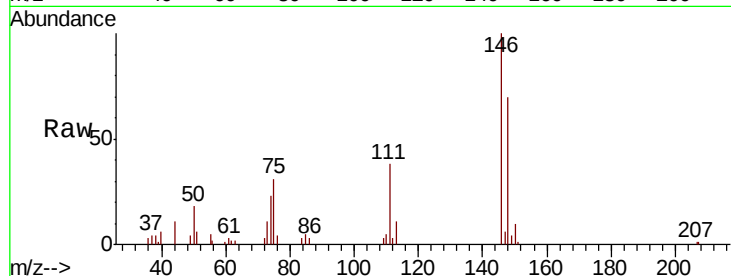
Tgt Ion:146 Resp: 20815

Ion Ratio Lower Upper

146 100

111 38.5 27.6 51.4

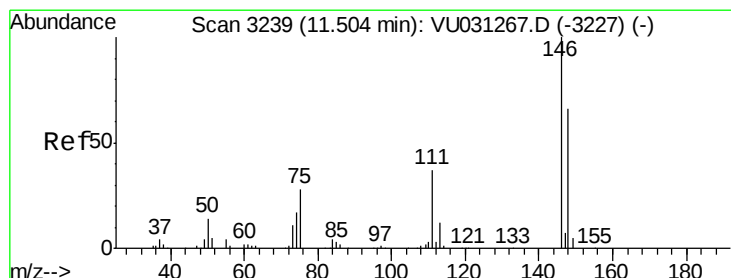
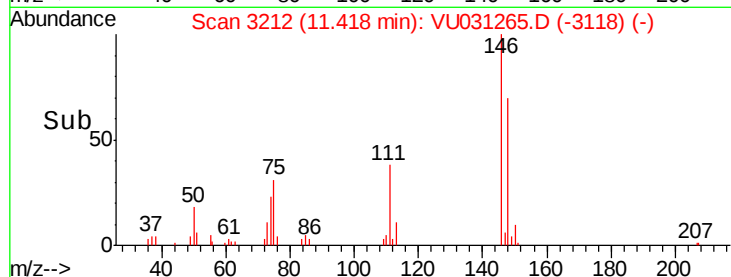
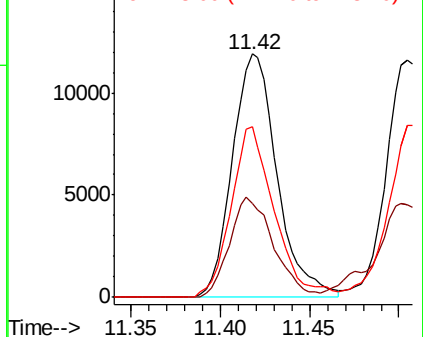
148 70.3 45.6 84.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.425 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU031265.D

Acq: 17 Apr 2019 18:13

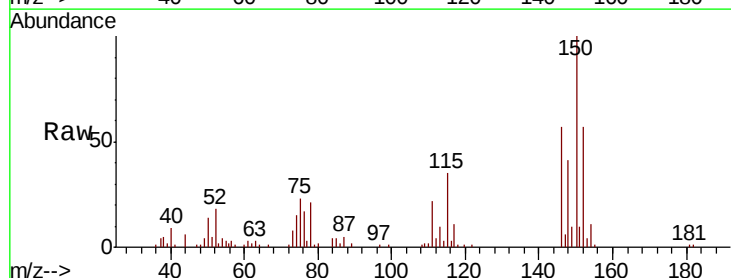
Tgt Ion:146 Resp: 20731

Ion Ratio Lower Upper

146 100

111 39.1 26.5 49.1

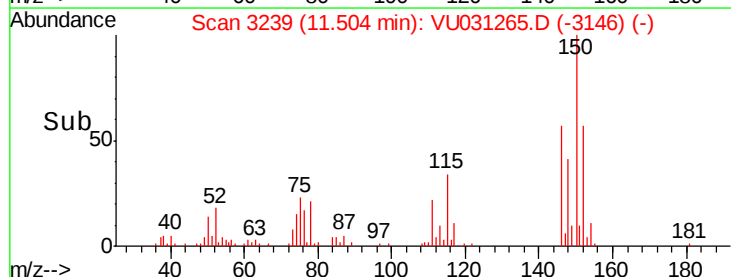
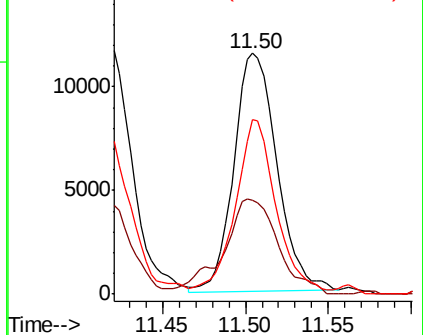
148 72.2 46.0 85.4

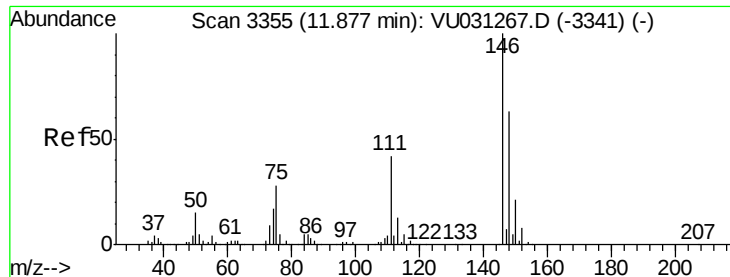


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

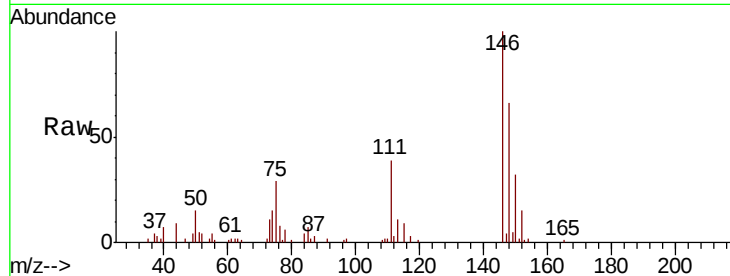




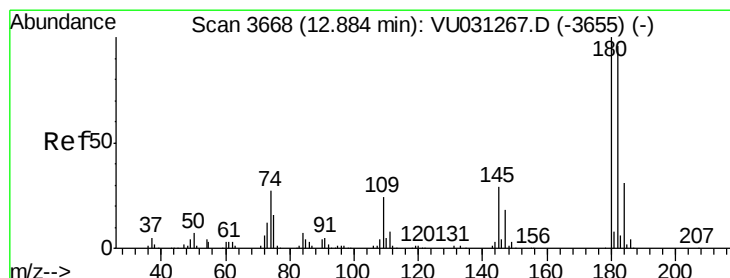
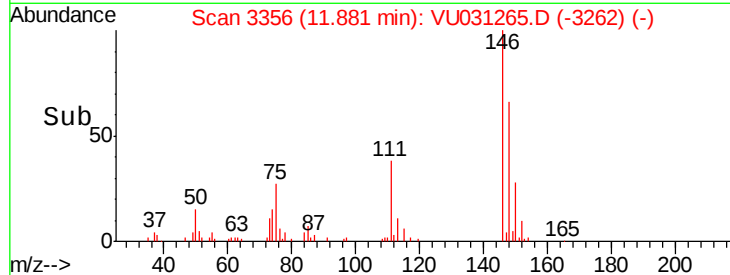
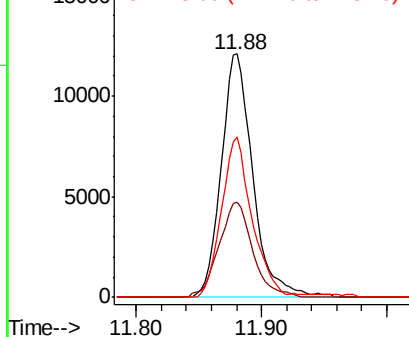
#65
 1,2-Dichlorobenzene
 Concen: 0.464 ug/L
 RT: 11.88 min Scan# 3356
 Delta R.T. 0.00 min
 Lab File: VU031265.D
 Acq: 17 Apr 2019 18:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tgt Ion:146 Resp: 21150
 Ion Ratio Lower Upper
 146 100
 111 39.3 33.6 50.4
 148 65.7 50.2 75.2

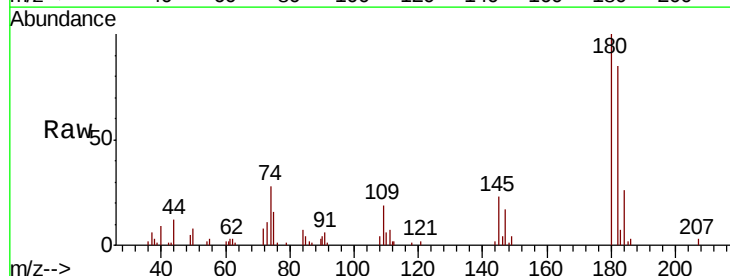


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

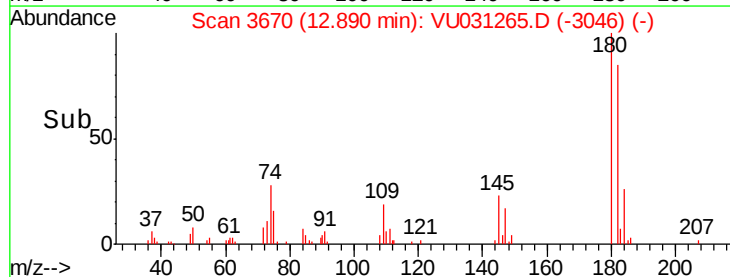
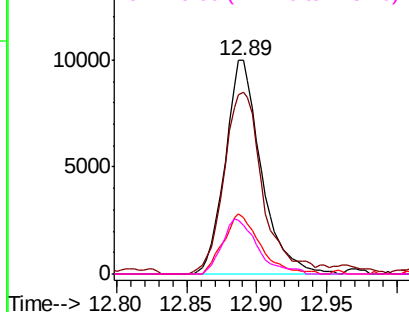


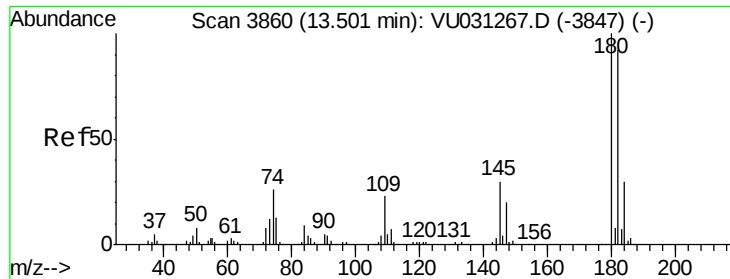
#67
 1,3,5-Trichlorobenzene
 Concen: 0.510 ug/L
 RT: 12.89 min Scan# 3670
 Delta R.T. 0.01 min
 Lab File: VU031265.D
 Acq: 17 Apr 2019 18:13

Tgt Ion:180 Resp: 17832
 Ion Ratio Lower Upper
 180 100
 182 91.0 76.9 115.3
 184 28.4 24.8 37.2
 145 25.0 23.0 34.6



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

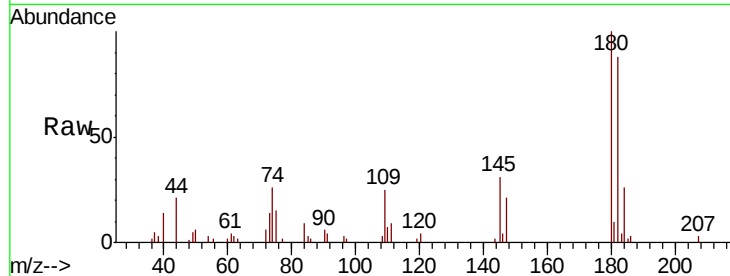




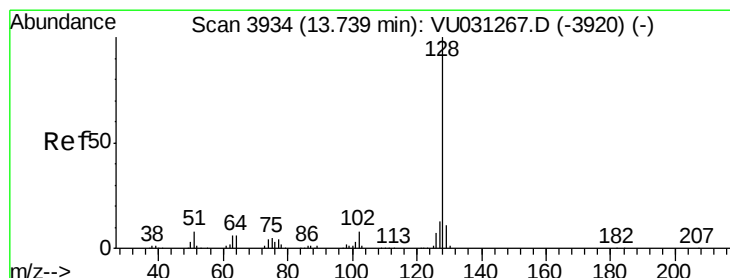
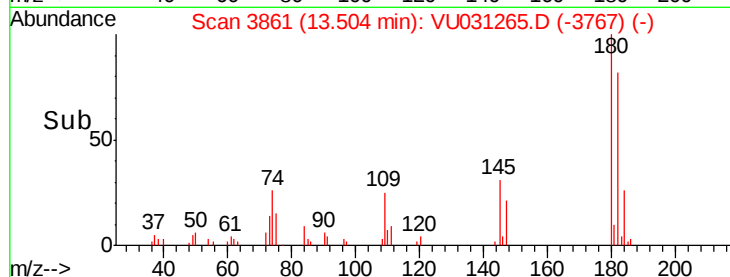
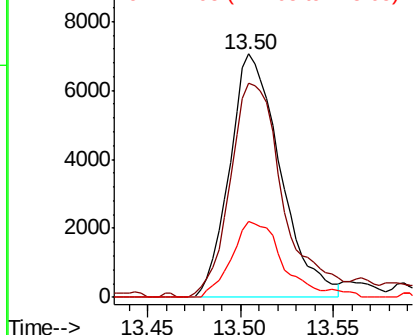
#68
 1,2,4-trichlorobenzene
 Concen: 0.491 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.00 min
 Lab File: VU031265.D
 Acq: 17 Apr 2019 18:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tgt Ion:180 Resp: 13427
 Ion Ratio Lower Upper
 180 100
 182 92.8 75.6 113.4
 145 32.0 22.6 34.0

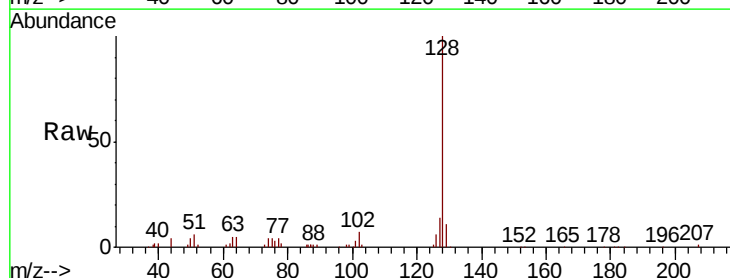


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

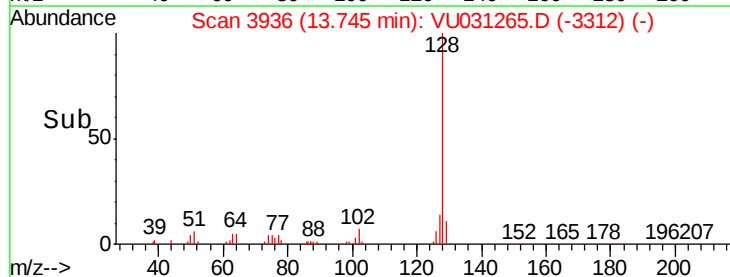
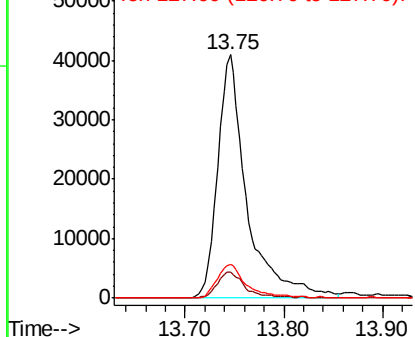


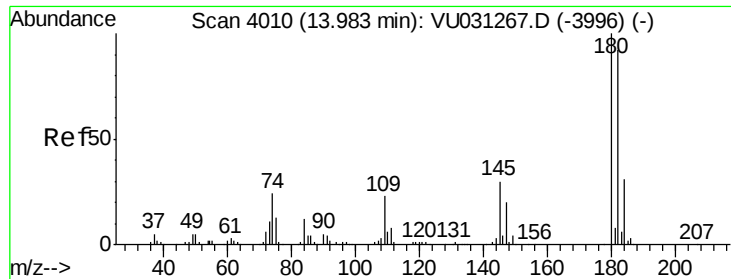
#69
 Naphthalene
 Concen: 1.802 ug/L
 RT: 13.75 min Scan# 3936
 Delta R.T. 0.01 min
 Lab File: VU031265.D
 Acq: 17 Apr 2019 18:13

Tgt Ion:128 Resp: 85308
 Ion Ratio Lower Upper
 128 100
 129 10.0 8.4 12.6
 127 14.0 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

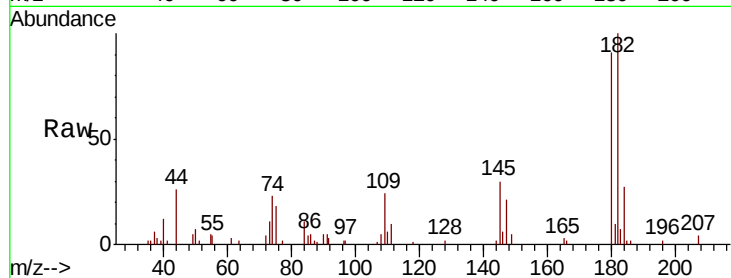




#70
 1,2,3-Trichlorobenzene
 Concen: 0.534 ug/L
 RT: 13.99 min Scan# 4012
 Delta R.T. 0.01 min
 Lab File: VU031265.D
 Acq: 17 Apr 2019 18:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tgt Ion	Resp	Lower	Upper
180	100		
182	100.3	74.4	111.6
145	30.3	24.4	36.6



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

