

Data File : VU028242.D
Acq On : 19 Nov 2018 09:59
Operator : MD/SY
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Quant Time: Nov 20 07:08:04 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Nov 19 02:51:07 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	121069	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	116483	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	54577	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	43601	4.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.80%
7) Chloroethane-d5	1.68	69	38009	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.28	63	87112	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.20%
20) 2-Butanone-d5	4.20	46	131170	43.02	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.04%
24) Chloroform-d	4.65	84	80854	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.31	65	42436	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
32) Benzene-d6	5.34	84	153437	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	6.33	67	56636	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	7.57	98	144473	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
43) trans-1,3-Dichloropropene-	7.85	79	16013	4.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.40%
46) 2-Hexanone-d5	8.31	63	93395	40.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.08%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	41066	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	48075	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	43606	4.289 ug/L	98
3) Chloromethane	1.33	50	66139	5.111 ug/L	99
5) Vinyl chloride	1.40	62	59328	4.828 ug/L #	57
6) Bromomethane	1.63	94	24531	4.423 ug/L	96
8) Chloroethane	1.70	64	37823	5.208 ug/L	91
9) Trichlorofluoromethane	1.89	101	66350	4.637 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	35782	4.543 ug/L	98
12) 1,1-Dichloroethene	2.29	96	36022	4.833 ug/L	92
13) Acetone	2.33	43	82871	39.523 ug/L	98
14) Carbon disulfide	2.48	76	124322	5.312 ug/L	97
15) Methyl Acetate	2.62	43	21433	3.857 ug/L	97
16) Methylene chloride	2.71	84	46021	4.901 ug/L	96
17) Methyl tert-butyl Ether	3.01	73	97055	4.335 ug/L	99
18) trans-1,2-Dichloroethene	2.99	96	39805	5.013 ug/L	98
19) 1,1-Dichloroethane	3.45	63	89247	4.848 ug/L	99
21) 2-Butanone	4.28	43	137357	41.138 ug/L	98
22) cis-1,2-Dichloroethene	4.23	96	44585	4.751 ug/L	86

Data File : VU028242.D
Acq On : 19 Nov 2018 09:59
Operator : MD/SY
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Quant Time: Nov 20 07:08:04 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Nov 19 02:51:07 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.56	128	17227	4.691	ug/L	91
25) Chloroform	4.68	83	83848	4.209	ug/L	95
27) 1,2-Dichloroethane	5.41	62	51074	4.485	ug/L	99
29) 1,1,1-Trichloroethane	4.92	97	61077	4.651	ug/L	100
30) Cyclohexane	5.00	56	75184	4.375	ug/L	97
31) Carbon tetrachloride	5.13	117	51682	4.797	ug/L	98
33) Benzene	5.39	78	178658	4.649	ug/L	100
34) Trichloroethene	6.19	95	46229	4.913	ug/L	96
35) Methylcyclohexane	6.42	83	63868	4.308	ug/L	97
37) 1,2-Dichloropropane	6.44	63	50976	4.648	ug/L	98
38) Bromodichloromethane	6.76	83	59371	4.965	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	58375	4.200	ug/L	99
40) 4-Methyl-2-pentanone	7.47	43	328107	41.849	ug/L	98
42) Toluene	7.64	91	186483	4.787	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	42564	4.071	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	30281	4.570	ug/L	96
47) Tetrachloroethene	8.23	164	30915	4.733	ug/L	97
48) 2-Hexanone	8.37	43	230543	41.242	ug/L	99
49) Dibromochloromethane	8.48	129	35064	5.228	ug/L	97
50) 1,2-Dibromoethane	8.59	107	27913	4.661	ug/L	98
51) Chlorobenzene	9.12	112	110175	4.911	ug/L	98
52) Ethylbenzene	9.25	91	199589	4.761	ug/L	97
53) m,p-xylene	9.38	106	71101	4.888	ug/L	98
54) o-xylene	9.78	106	68132	4.690	ug/L	97
55) Styrene	9.79	104	121455	4.980	ug/L	98
56) Isopropylbenzene	10.17	105	183419	4.714	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	39792	4.672	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	28596	4.513	ug/L	100
61) Bromoform	9.96	173	18806	5.435	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	81136	4.885	ug/L	93
63) 1,4-Dichlorobenzene	11.51	146	77825	4.593	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	76324	4.687	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.66	75	5874	4.630	ug/L #	83
67) 1,3,5-Trichlorobenzene	12.89	180	61573	4.847	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	52700	4.965	ug/L	99
69) Naphthalene	13.74	128	88335	4.682	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	49787	4.952	ug/L	98

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

Data File : VU028242.D

Acq On : 19 Nov 2018 09:59

Operator : MD/SY

Sample : VSTDCCC005

Misc : 25.0mL/MSVOA U/WATER

```
ALS Vial      : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

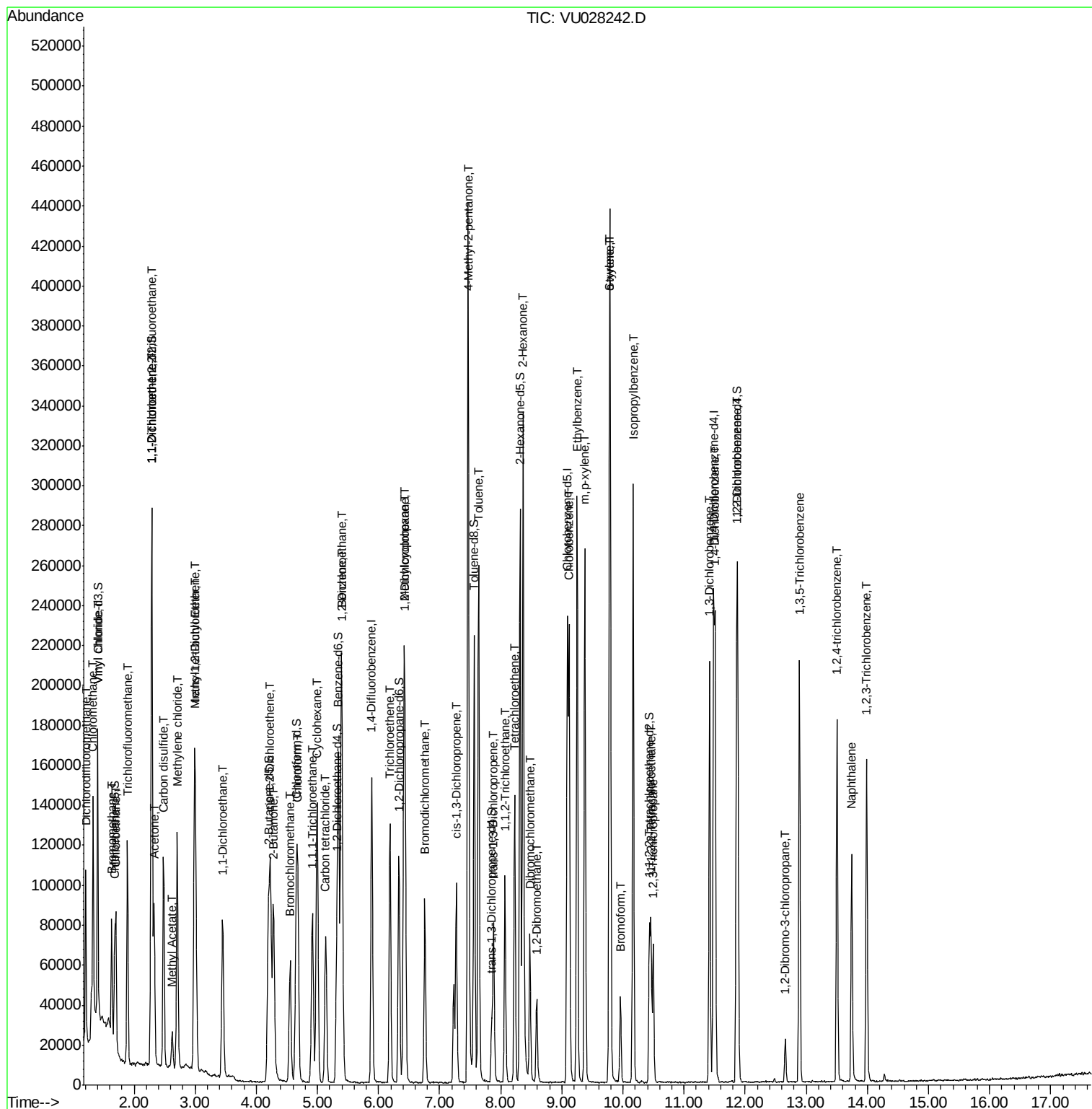
Quant Time: Nov 20 07:08:04 2018

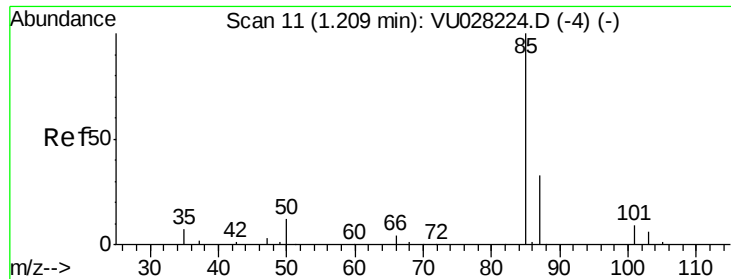
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR111718WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Mon Nov 19 02:51:07 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.289 ug/L

RT: 1.21 min Scan# 11

Delta R.T. -0.00 min

Lab File: VU028242.D

Acq: 19 Nov 2018 09:59

Instrument :

MSVOA_U

ClientSampleId :

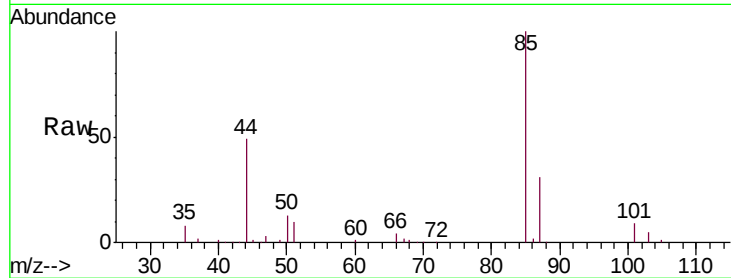
VSTD00521

Tgt Ion: 85 Resp: 43606

Ion Ratio Lower Upper

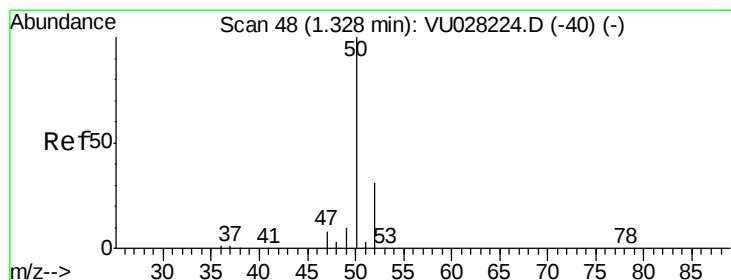
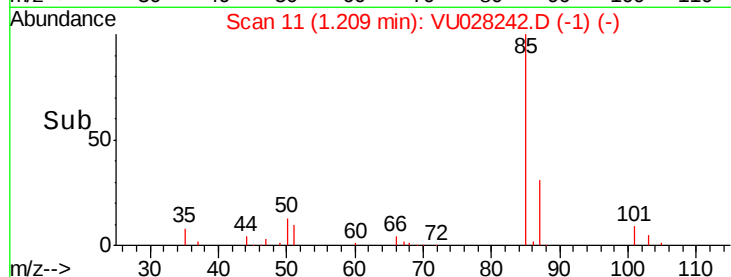
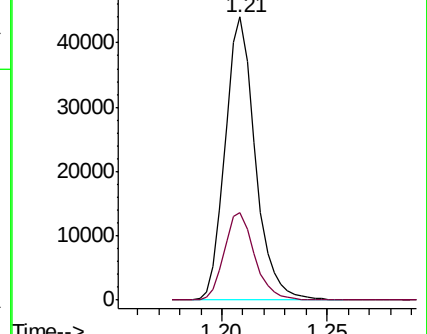
85 100

87 31.2 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 5.111 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028242.D

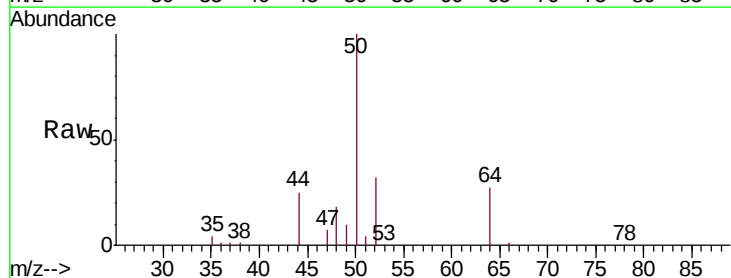
Acq: 19 Nov 2018 09:59

Tgt Ion: 50 Resp: 66139

Ion Ratio Lower Upper

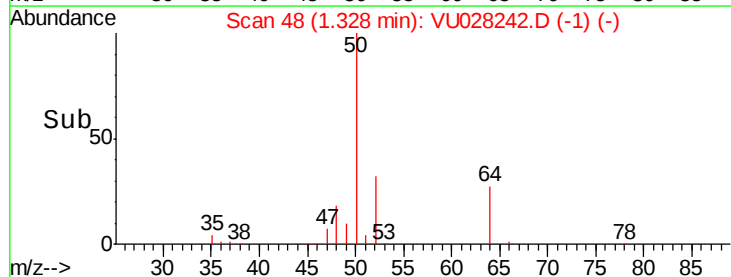
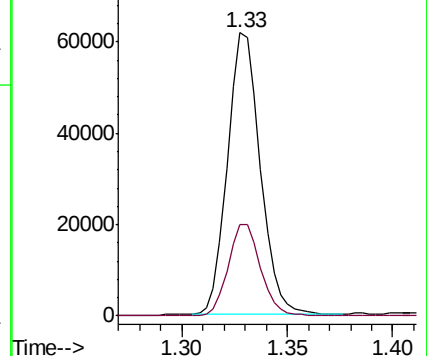
50 100

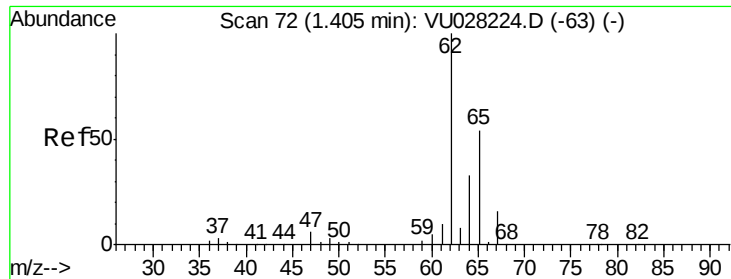
52 32.3 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.828 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU028242.D

Acq: 19 Nov 2018 09:59

Instrument :

MSVOA_U

ClientSampleId :

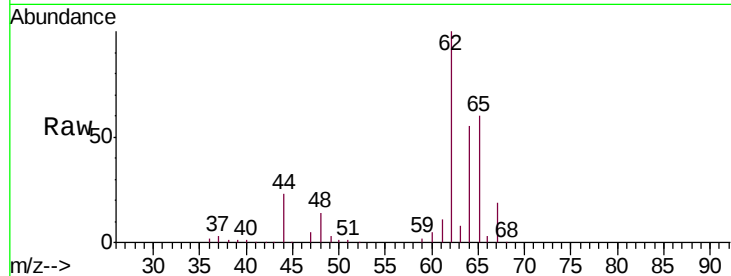
VSTD00521

Tgt Ion: 62 Resp: 59328

Ion Ratio Lower Upper

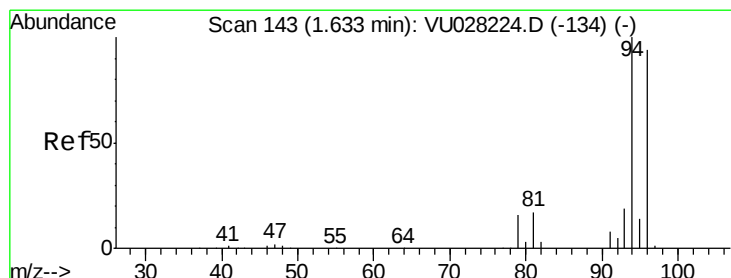
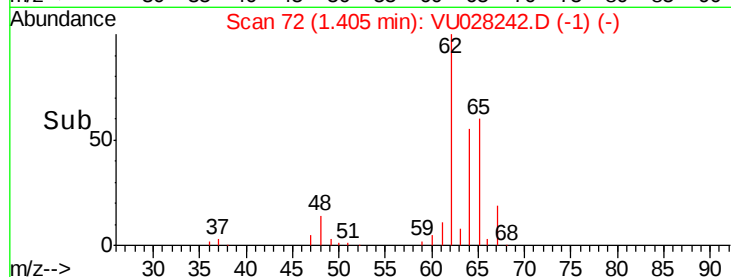
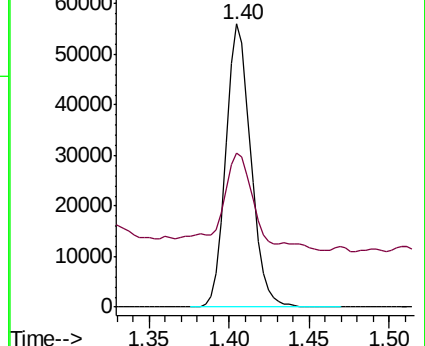
62 100

64 54.6 21.7 40.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.423 ug/L

RT: 1.63 min Scan# 143

Delta R.T. -0.00 min

Lab File: VU028242.D

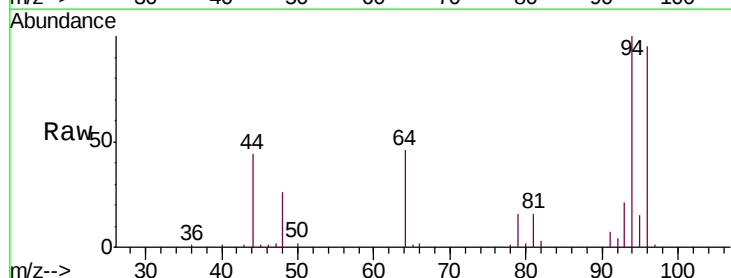
Acq: 19 Nov 2018 09:59

Tgt Ion: 94 Resp: 24531

Ion Ratio Lower Upper

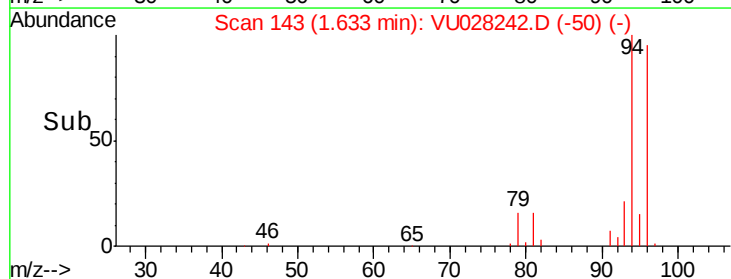
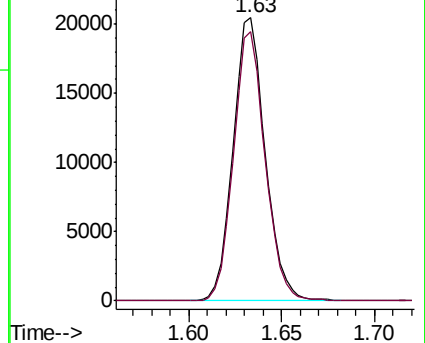
94 100

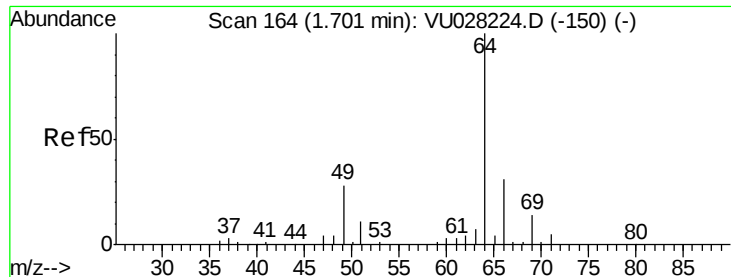
96 94.9 63.6 118.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 5.208 ug/L

RT: 1.70 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU028242.D

Acq: 19 Nov 2018 09:59

Instrument :

MSVOA_U

ClientSampleId :

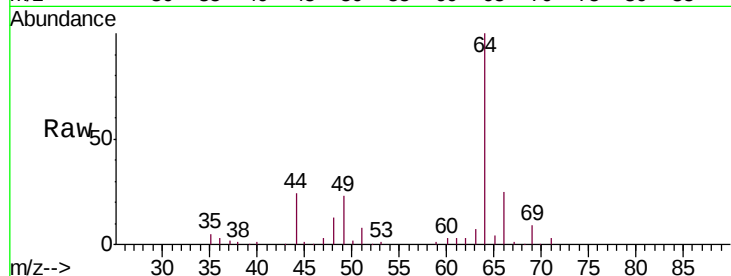
VSTD00521

Tgt Ion: 64 Resp: 37823

Ion Ratio Lower Upper

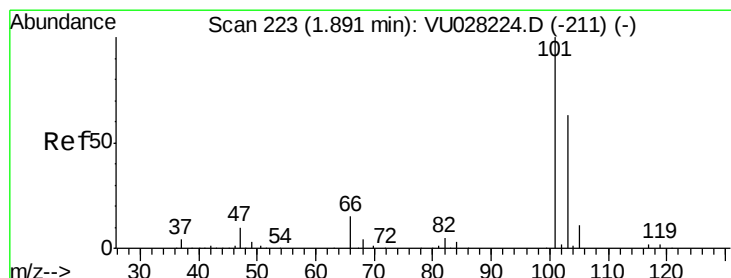
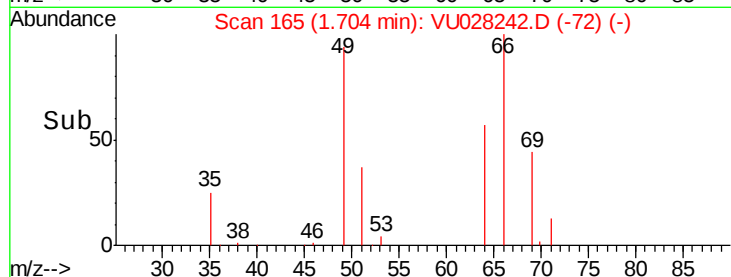
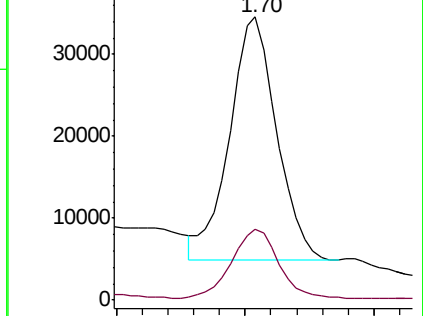
64 100

66 24.9 20.7 38.5



Abundance Ion 64.10 (63.80 to 64.80): VU028242.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VU028242.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 4.637 ug/L

RT: 1.89 min Scan# 223

Delta R.T. -0.00 min

Lab File: VU028242.D

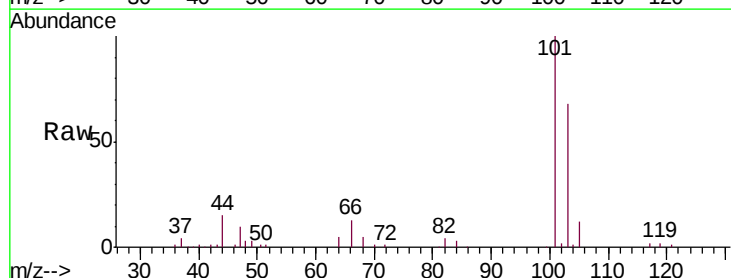
Acq: 19 Nov 2018 09:59

Tgt Ion: 101 Resp: 66350

Ion Ratio Lower Upper

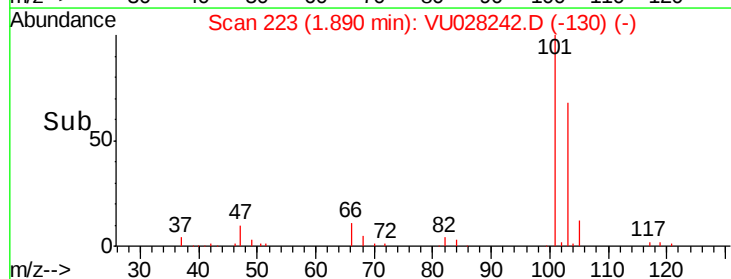
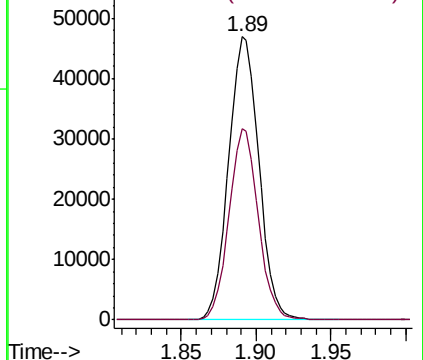
101 100

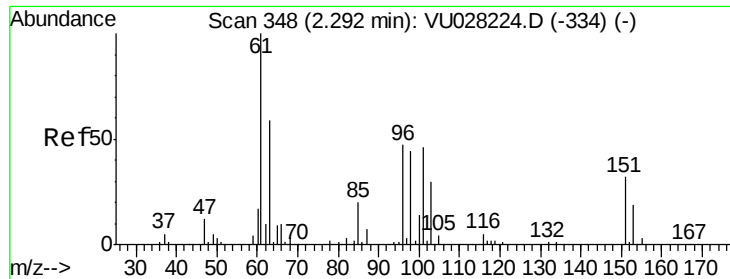
103 65.0 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VU028242.D (-211) (-)

Ion 103.00 (102.70 to 103.70): VU028242.D (-211) (-)





#10

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

Concen: 4.543 ug/L

RT: 2.29 min Scan# 348

Delta R.T. -0.00 min

Lab File: VU028242.D

Acq: 19 Nov 2018 09:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

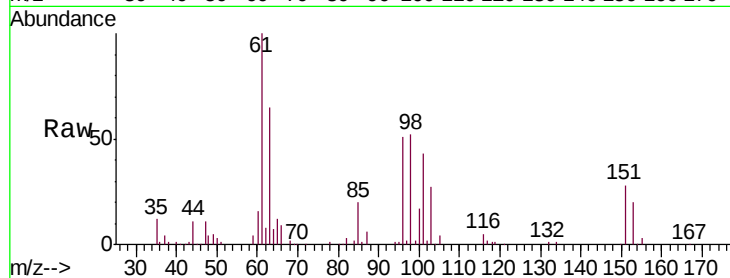
Tgt Ion: 101 Resp: 35782

Ion Ratio Lower Upper

101 100

85 46.2 37.4 56.2

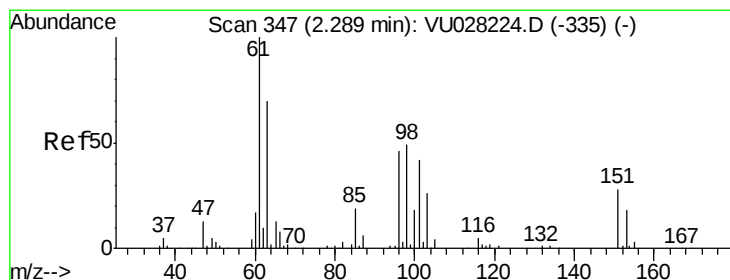
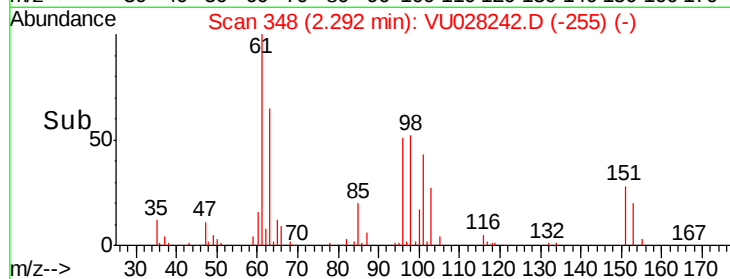
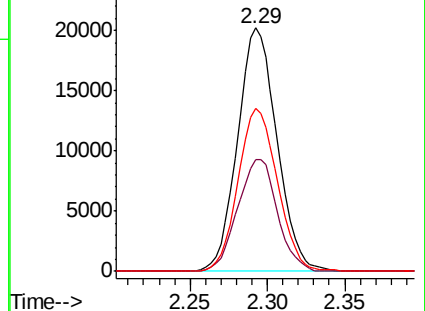
151 66.6 55.0 82.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.833 ug/L

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

Lab File: VU028242.D

Acq: 19 Nov 2018 09:59

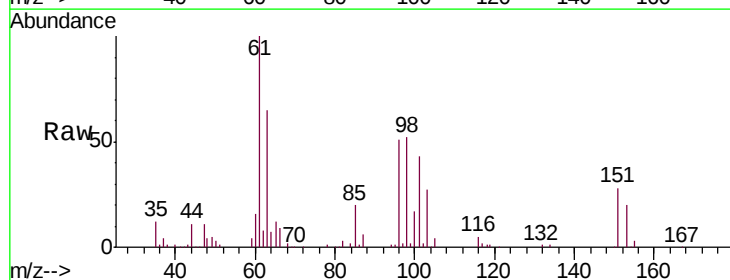
Tgt Ion: 96 Resp: 36022

Ion Ratio Lower Upper

96 100

61 196.8 145.5 270.1

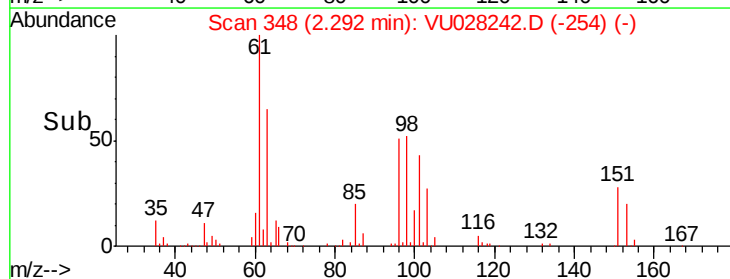
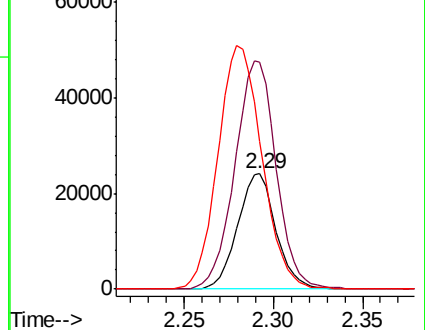
63 128.5 98.6 183.2

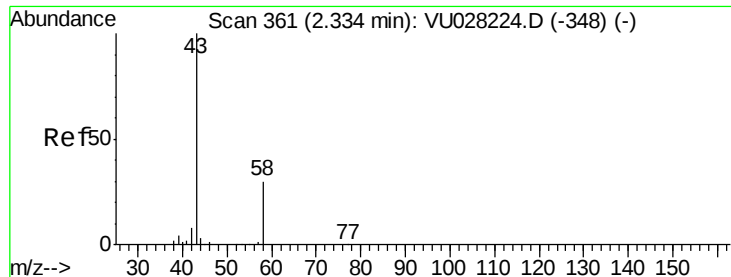


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 39.523 ug/L

RT: 2.33 min Scan# 359

Delta R.T. -0.02 min

Lab File: VU028242.D

Acq: 19 Nov 2018 09:59

Instrument :

MSVOA_U

ClientSampled :

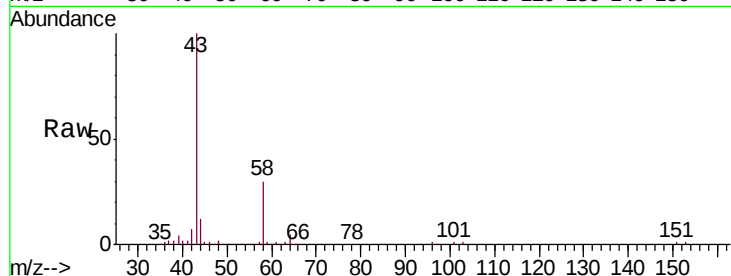
VSTD00521

Tgt Ion: 43 Resp: 82871

Ion Ratio Lower Upper

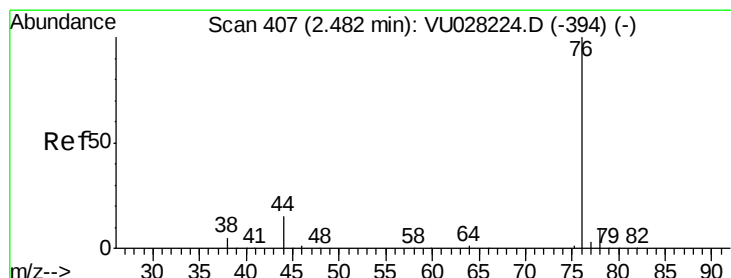
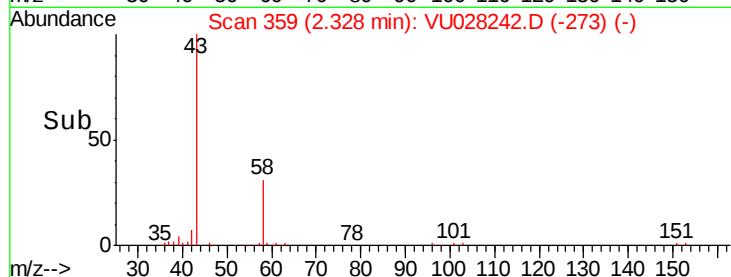
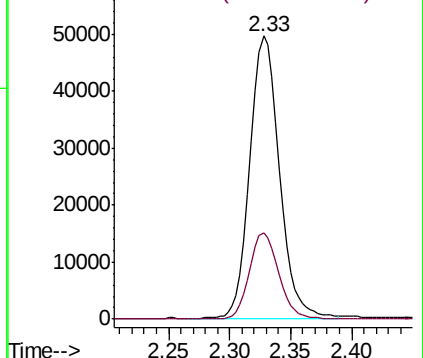
43 100

58 30.1 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 5.312 ug/L

RT: 2.48 min Scan# 407

Delta R.T. -0.00 min

Lab File: VU028242.D

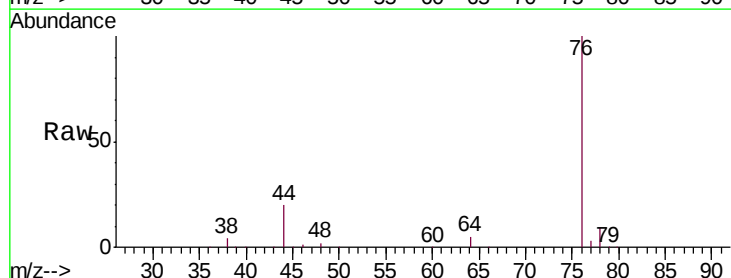
Acq: 19 Nov 2018 09:59

Tgt Ion: 76 Resp: 124322

Ion Ratio Lower Upper

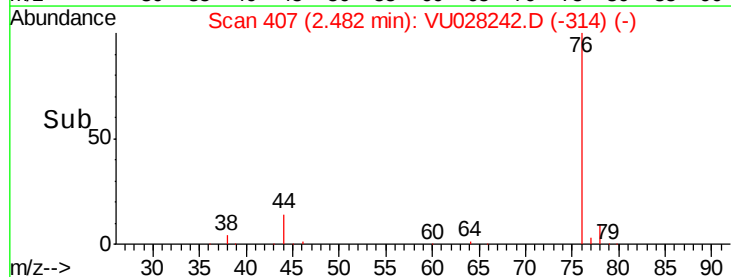
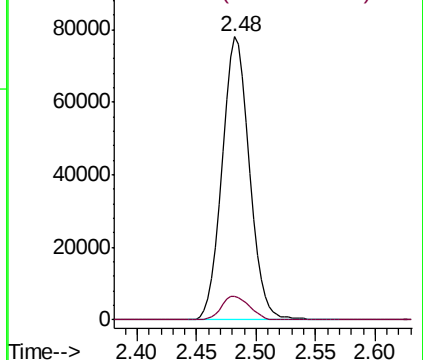
76 100

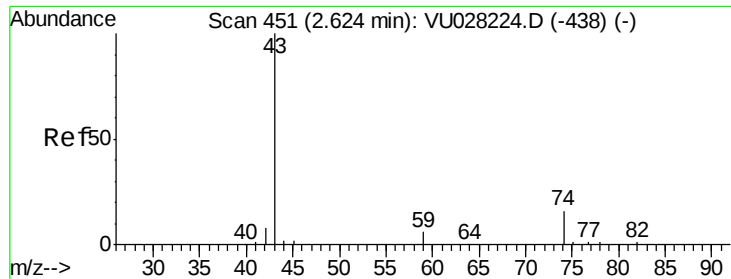
78 8.5 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

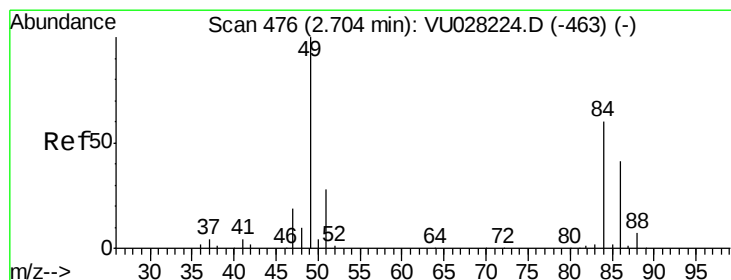
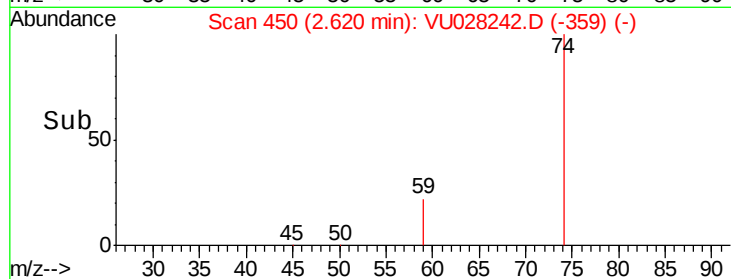
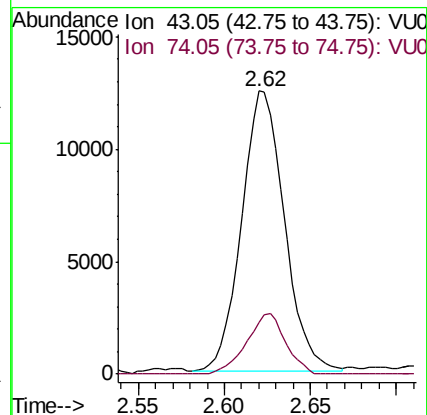
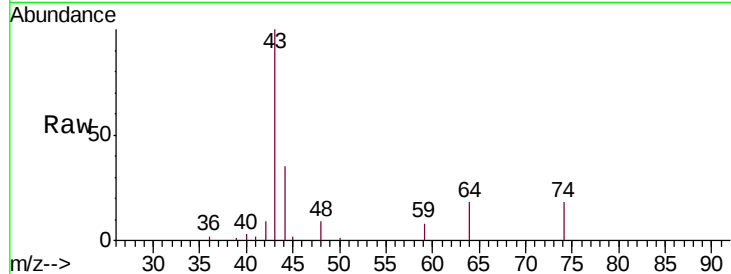




#15
Methyl Acetate
Concen: 3.857 ug/L
RT: 2.62 min Scan# 450
Delta R.T. -0.01 min
Lab File: VU028242.D
Acq: 19 Nov 2018 09:59

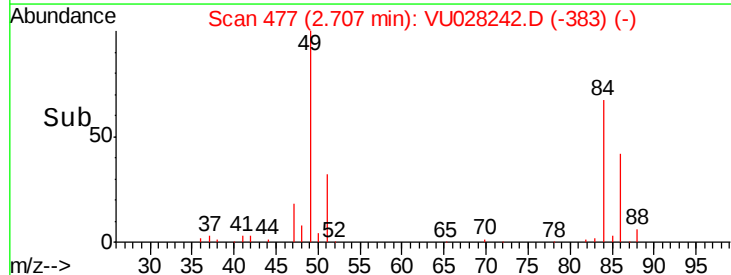
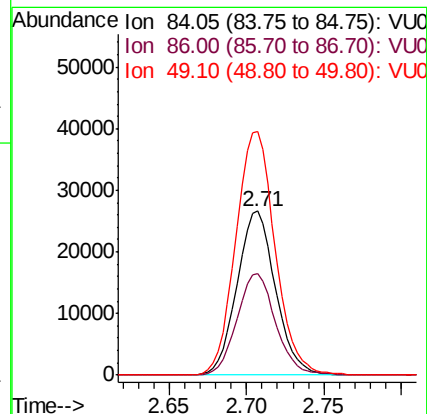
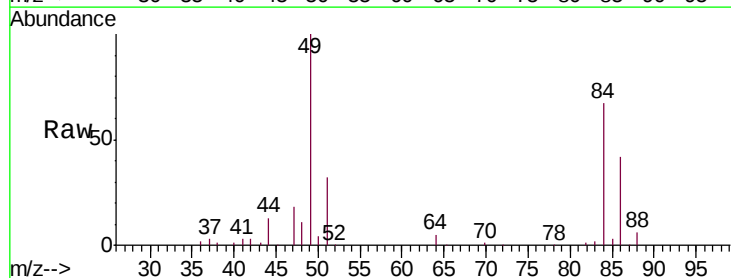
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

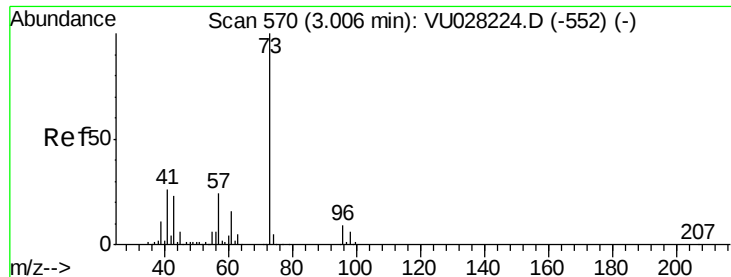
Tgt Ion: 43 Resp: 21433
Ion Ratio Lower Upper
43 100
74 19.8 14.7 22.1



#16
Methylene chloride
Concen: 4.901 ug/L
RT: 2.71 min Scan# 477
Delta R.T. 0.00 min
Lab File: VU028242.D
Acq: 19 Nov 2018 09:59

Tgt Ion: 84 Resp: 46021
Ion Ratio Lower Upper
84 100
86 62.1 45.3 84.1
49 148.8 107.9 200.5

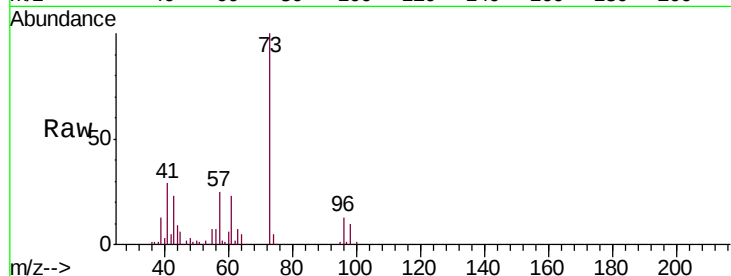




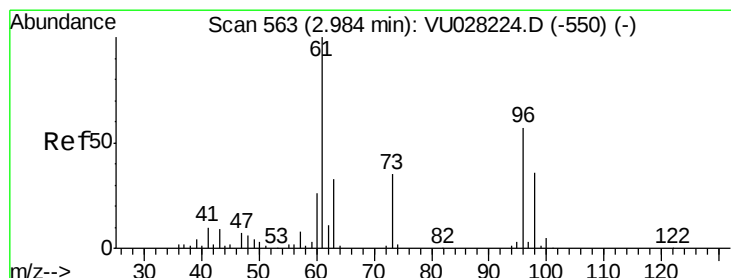
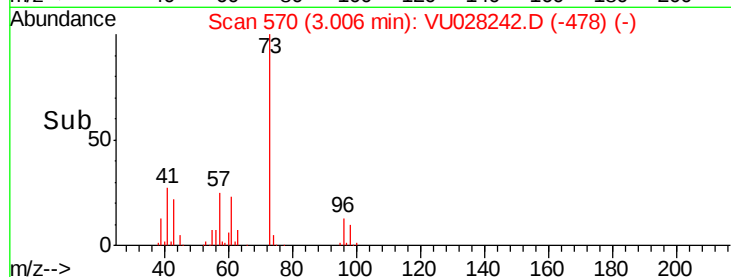
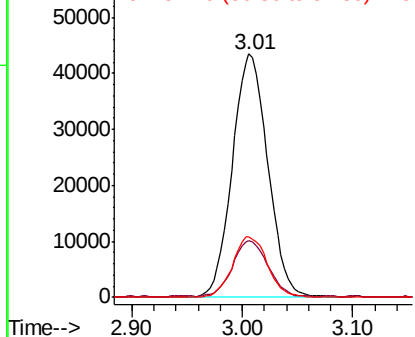
#17
Methyl tert-butyl Ether
Concen: 4.335 ug/L
RT: 3.01 min Scan# 570
Delta R.T. -0.00 min
Lab File: VU028242.D
Acq: 19 Nov 2018 09:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Tgt Ion	Ratio	Lower	Upper
73	100		
43	22.9	18.8	28.2
57	24.5	19.2	28.8

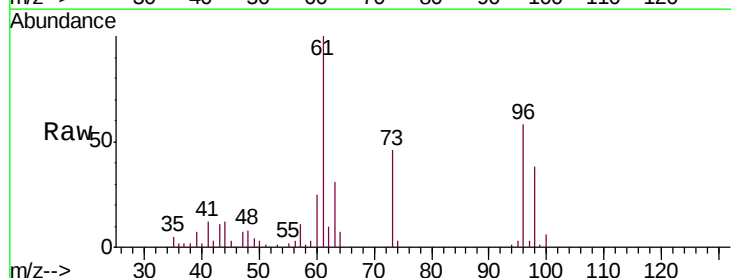


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

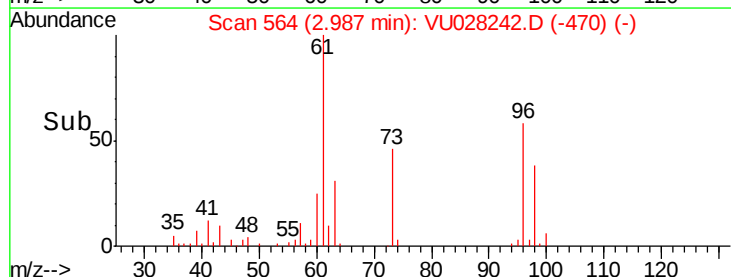
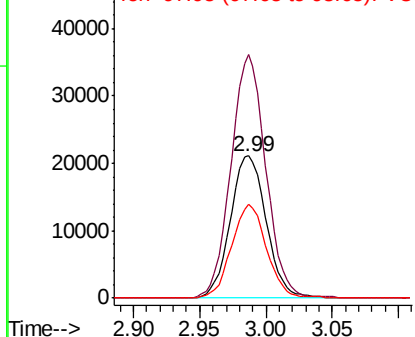


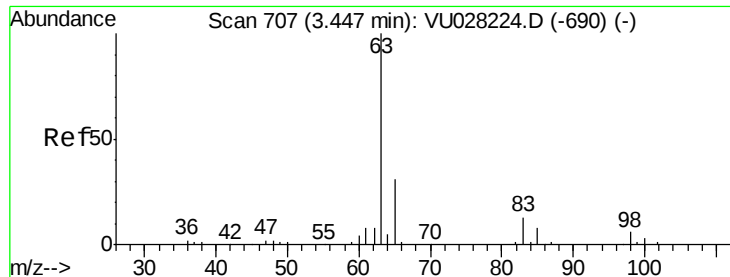
#18
trans-1,2-Dichloroethene
Concen: 5.013 ug/L
RT: 2.99 min Scan# 564
Delta R.T. 0.00 min
Lab File: VU028242.D
Acq: 19 Nov 2018 09:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.3	122.2	227.0
98	65.7	44.9	83.5



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: 4.848 ug/L

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU028242.D

Acq: 19 Nov 2018 09:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

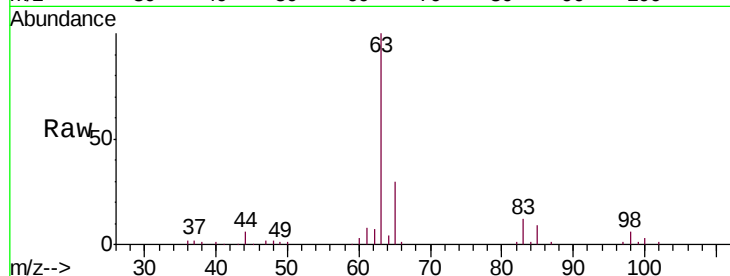
Tgt Ion: 63 Resp: 89247

Ion Ratio Lower Upper

63 100

65 30.3 21.2 39.4

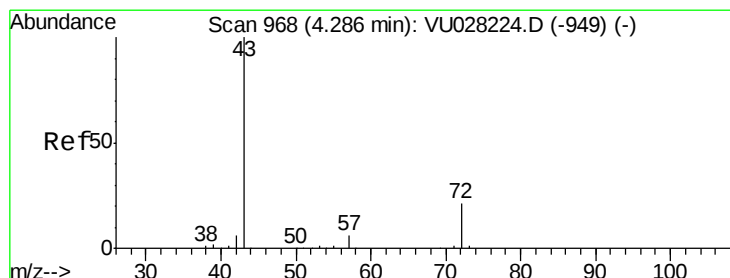
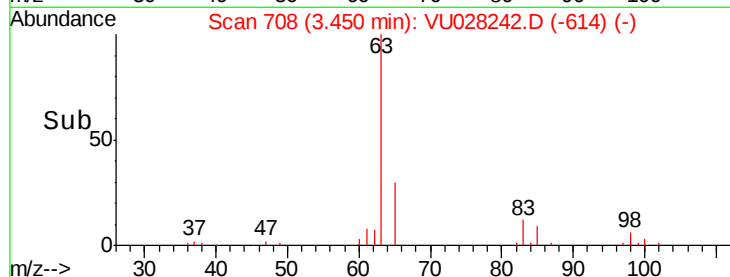
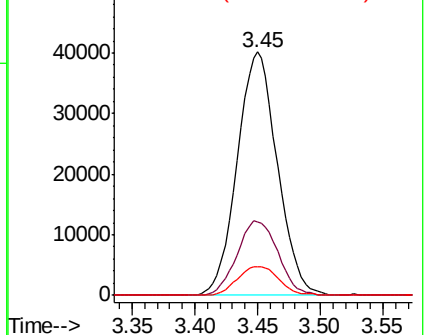
83 11.8 8.8 16.4



Abundance Ion 63.10 (62.80 to 63.80): VU028242.D (-690) (-)

Ion 65.10 (64.80 to 65.80): VU028242.D (-690) (-)

Ion 83.05 (82.75 to 83.75): VU028242.D (-690) (-)



#21

2-Butanone

Concen: 41.138 ug/L

RT: 4.28 min Scan# 966

Delta R.T. -0.01 min

Lab File: VU028242.D

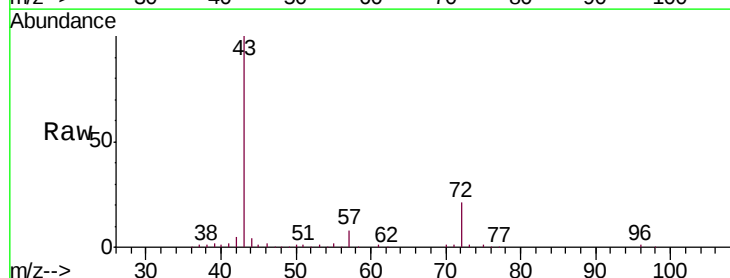
Acq: 19 Nov 2018 09:59

Tgt Ion: 43 Resp: 137357

Ion Ratio Lower Upper

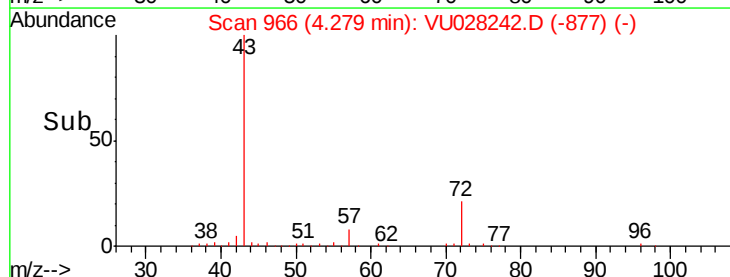
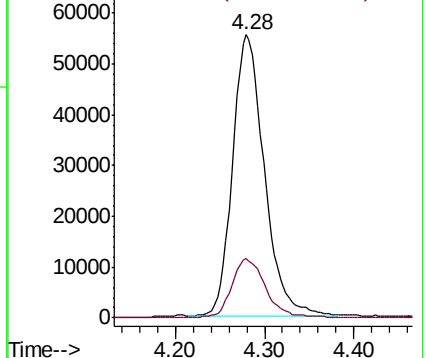
43 100

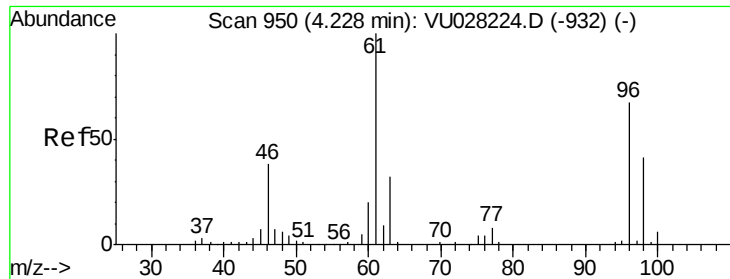
72 22.6 10.7 32.1



Abundance Ion 43.05 (42.75 to 43.75): VU028242.D (-877) (-)

Ion 72.10 (71.80 to 72.80): VU028242.D (-877) (-)



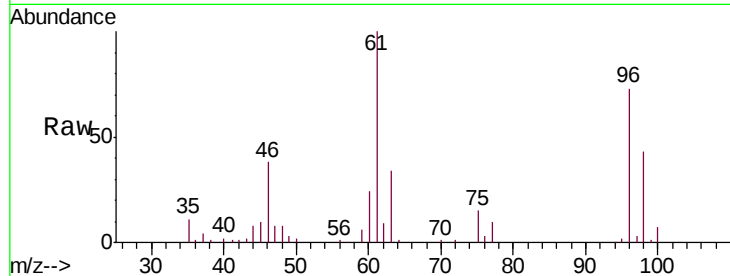


#22

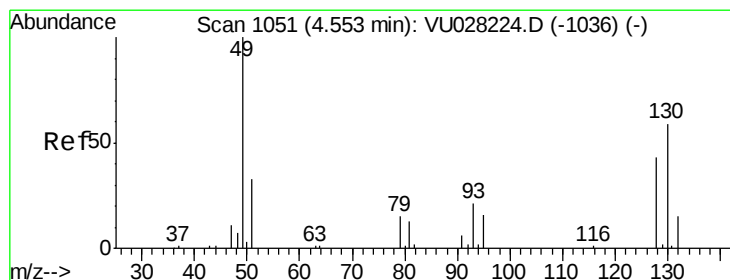
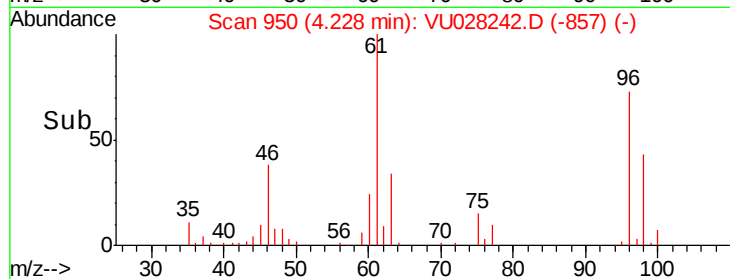
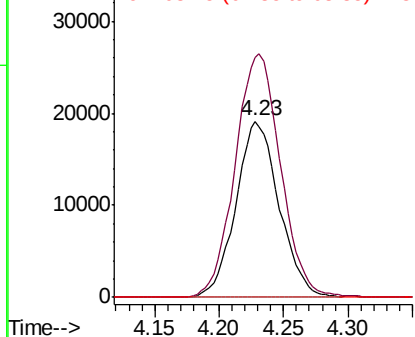
cis-1,2-Dichloroethene
 Concen: 4.751 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU028242.D
 Acq: 19 Nov 2018 09:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tgt Ion: 96 Resp: 44585
 Ion Ratio Lower Upper
 96 100
 61 136.2 108.0 200.6
 68 0.0 0.0 0.0



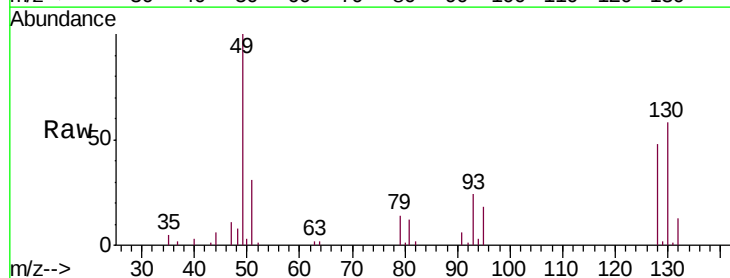
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



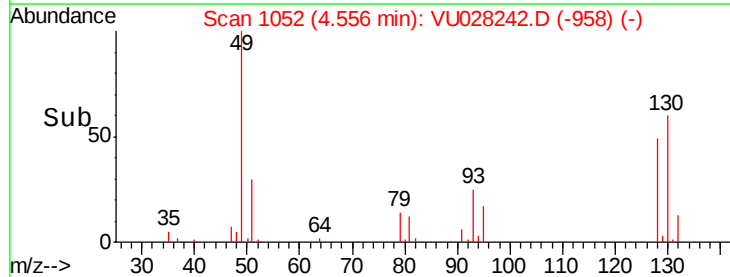
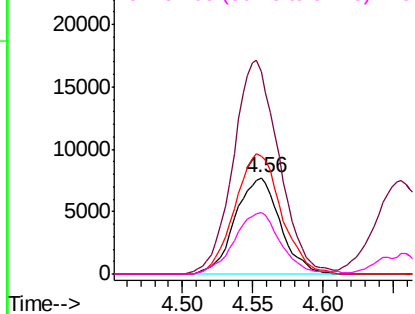
#23

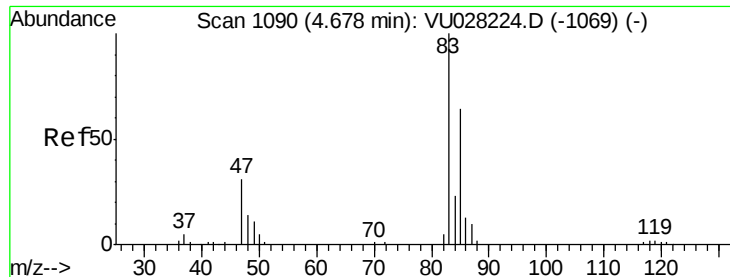
Bromochloromethane
 Concen: 4.691 ug/L
 RT: 4.56 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VU028242.D
 Acq: 19 Nov 2018 09:59

Tgt Ion: 128 Resp: 17227
 Ion Ratio Lower Upper
 128 100
 49 210.1 162.0 300.8
 130 122.8 87.7 162.9
 51 64.3 57.6 86.4



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

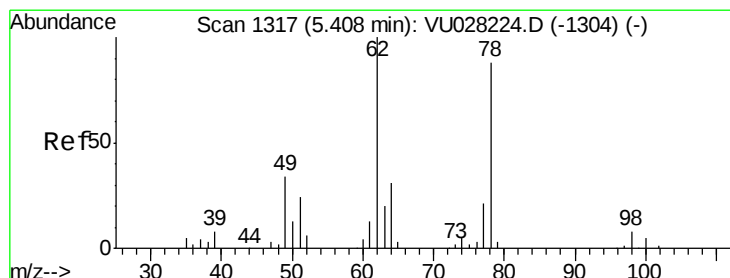
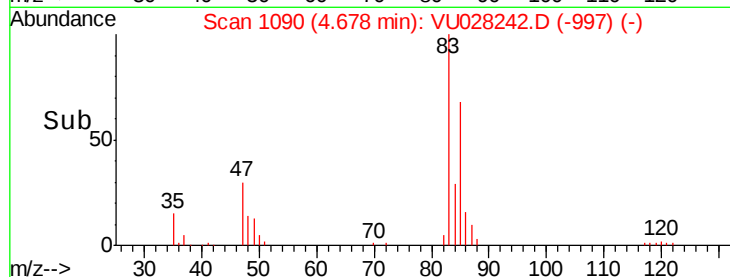
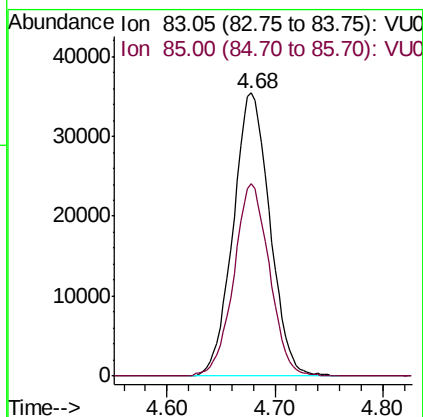
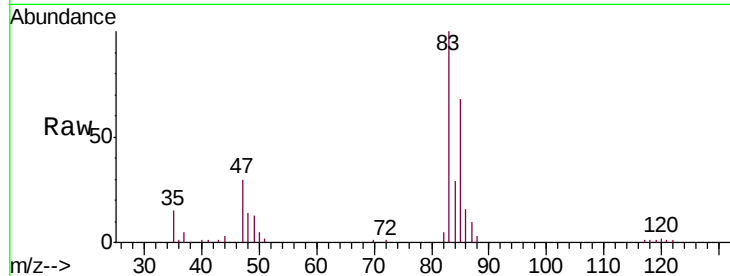




#25
Chloroform
Concen: 4.209 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VU028242.D
Acq: 19 Nov 2018 09:59

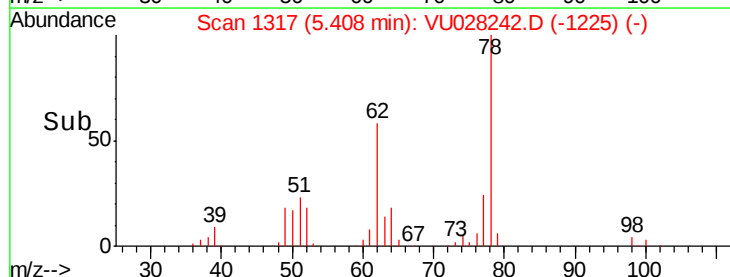
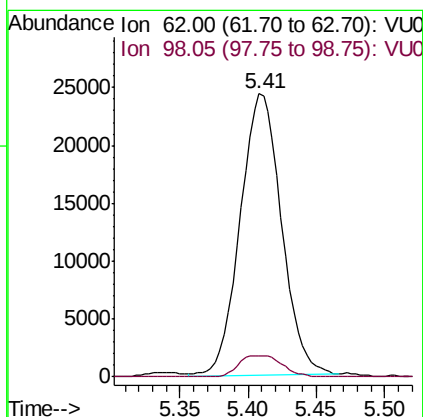
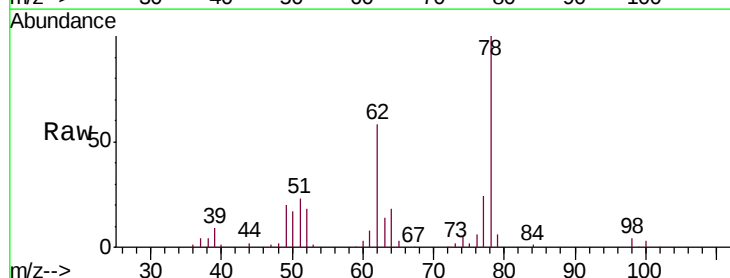
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

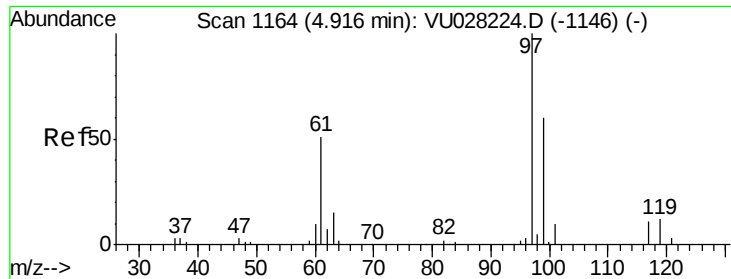
Tgt Ion: 83 Resp: 83848
Ion Ratio Lower Upper
83 100
85 67.8 44.6 82.8



#27
1,2-Dichloroethane
Concen: 4.485 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VU028242.D
Acq: 19 Nov 2018 09:59

Tgt Ion: 62 Resp: 51074
Ion Ratio Lower Upper
62 100
98 7.5 6.2 9.4

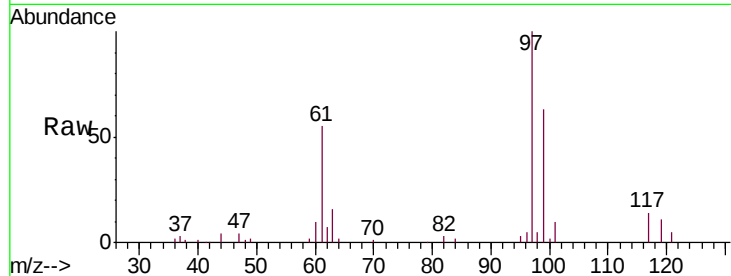




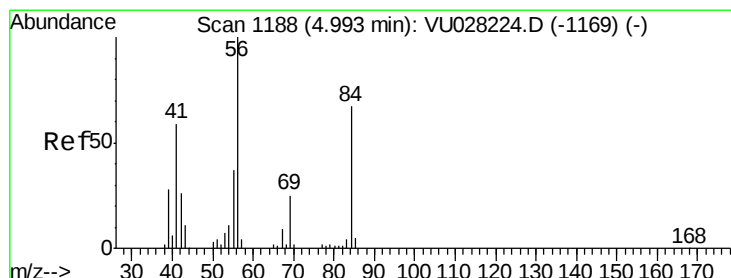
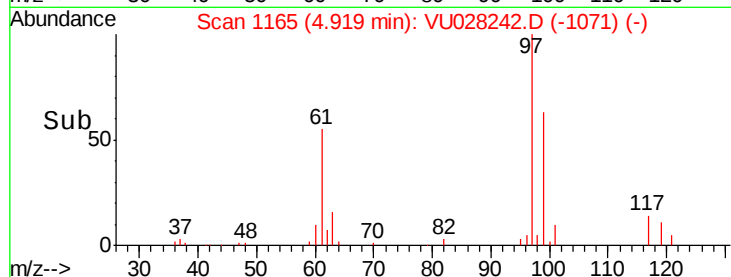
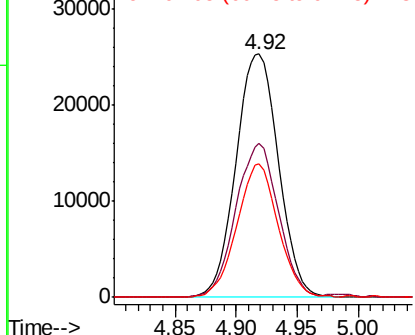
#29
 1,1,1-Trichloroethane
 Concen: 4.651 ug/L
 RT: 4.92 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: VU028242.D
 Acq: 19 Nov 2018 09:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tgt Ion: 97 Resp: 61077
 Ion Ratio Lower Upper
 97 100
 99 63.2 50.8 76.2
 61 53.2 42.6 64.0

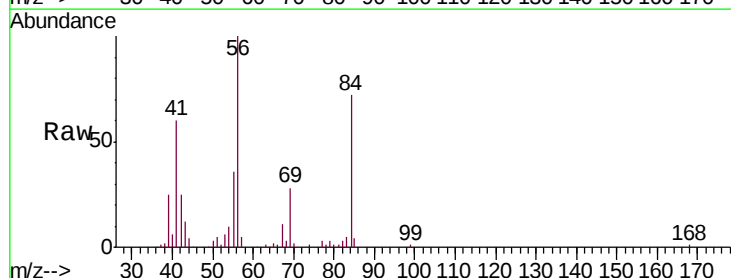


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

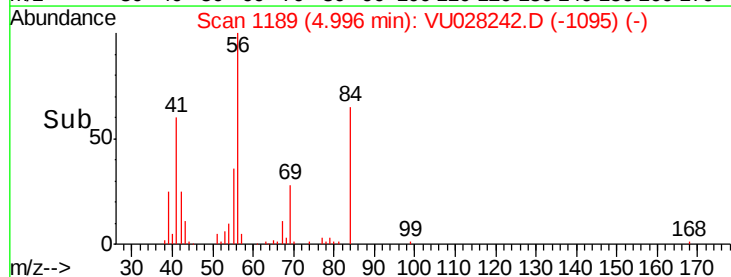
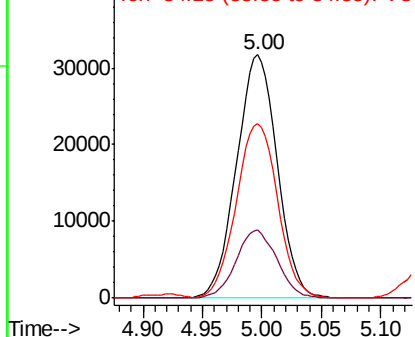


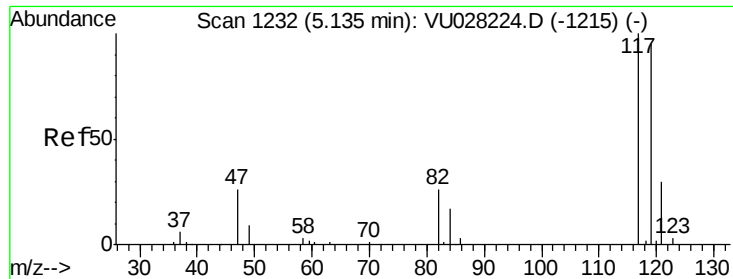
#30
 Cyclohexane
 Concen: 4.375 ug/L
 RT: 5.00 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VU028242.D
 Acq: 19 Nov 2018 09:59

Tgt Ion: 56 Resp: 75184
 Ion Ratio Lower Upper
 56 100
 69 28.1 22.0 33.0
 84 73.1 56.0 84.0



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: 4.797 ug/L

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028242.D

Acq: 19 Nov 2018 09:59

Instrument :

MSVOA_U

ClientSampleId :

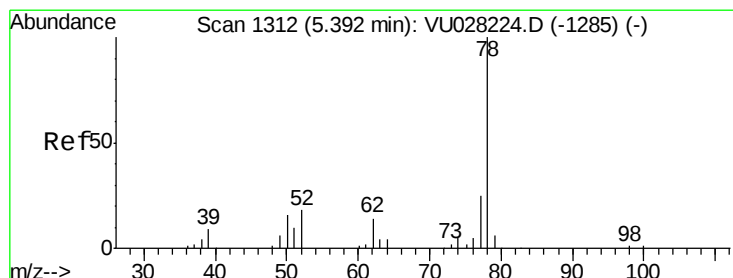
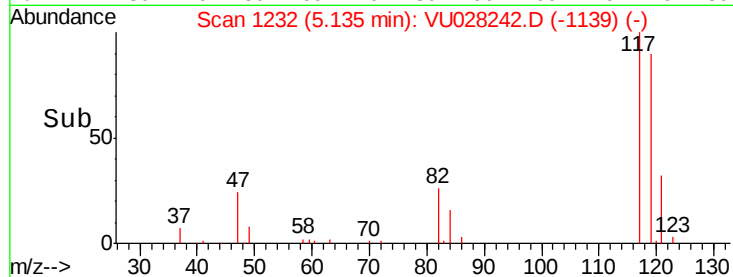
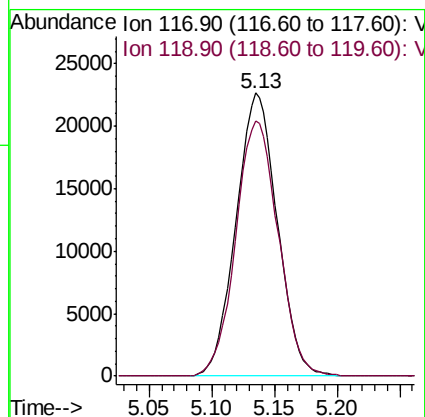
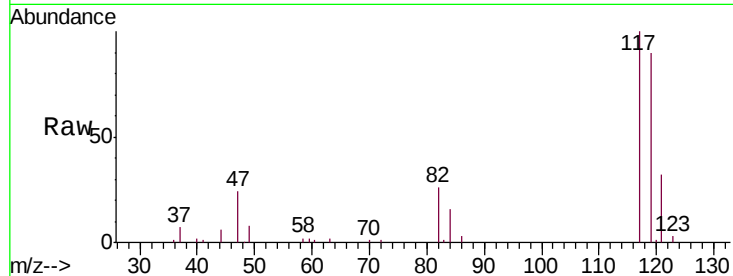
VSTD00521

Tgt Ion:117 Resp: 51682

Ion Ratio Lower Upper

117 100

119 92.8 75.6 113.4



#33

Benzene

Concen: 4.649 ug/L

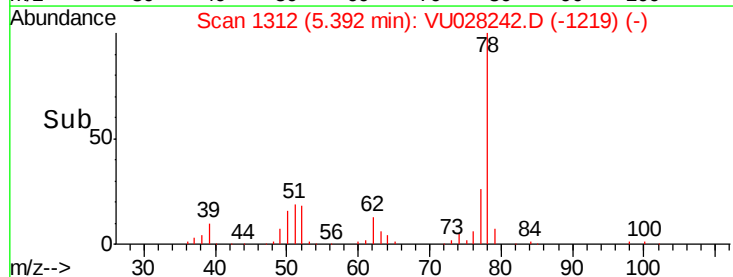
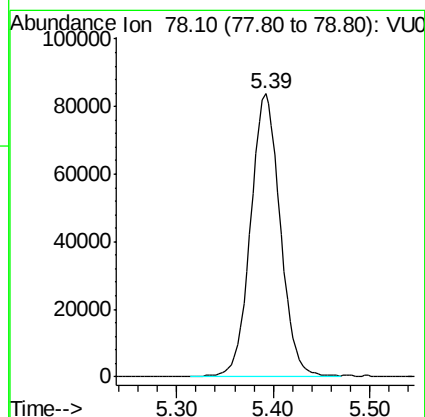
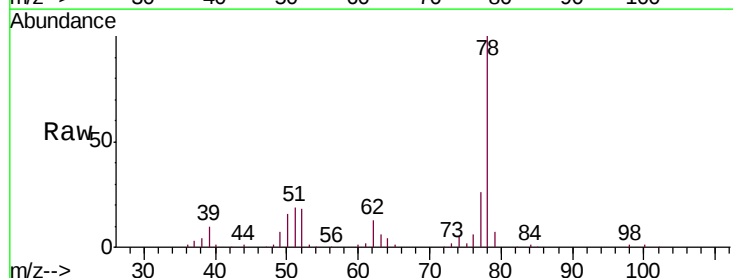
RT: 5.39 min Scan# 1312

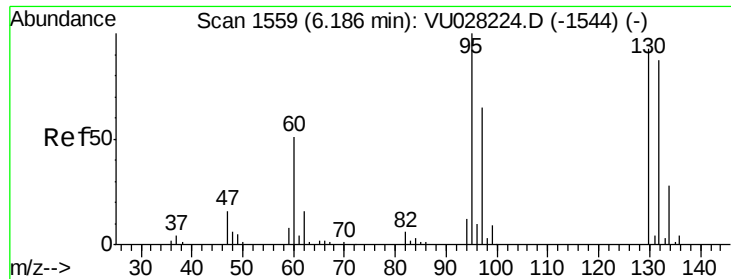
Delta R.T. -0.00 min

Lab File: VU028242.D

Acq: 19 Nov 2018 09:59

Tgt Ion: 78 Resp: 178658





#34

Trichloroethene

Concen: 4.913 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028242.D

Acq: 19 Nov 2018 09:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

Tgt Ion: 95 Resp: 46229

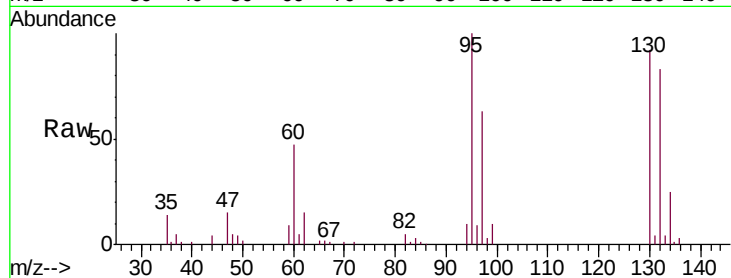
Ion Ratio Lower Upper

95 100

97 62.5 46.5 86.3

132 83.1 58.9 109.3

130 92.4 61.3 113.9

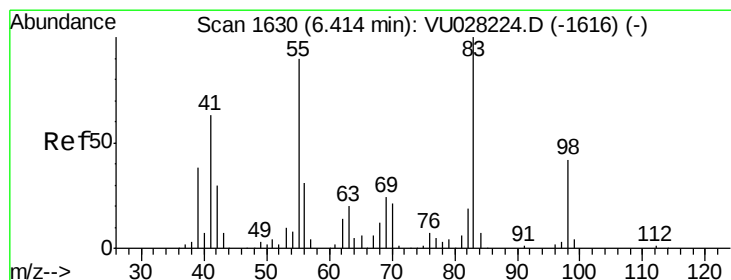
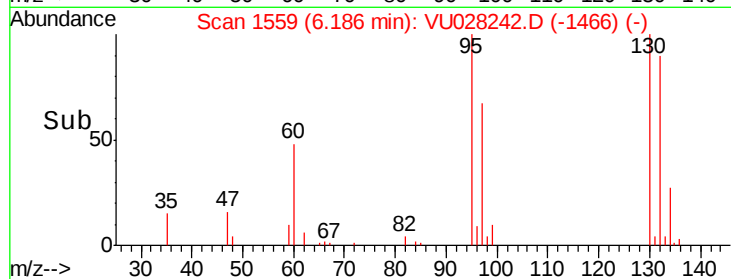
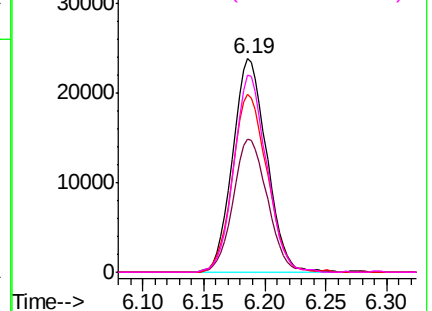


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.308 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU028242.D

Acq: 19 Nov 2018 09:59

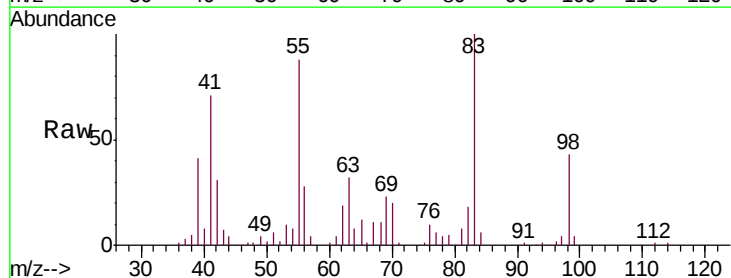
Tgt Ion: 83 Resp: 63868

Ion Ratio Lower Upper

83 100

55 89.2 73.2 109.8

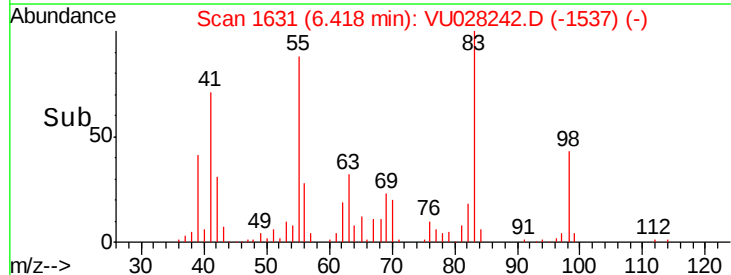
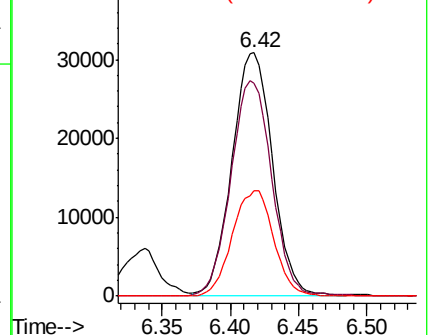
98 44.1 33.4 50.2

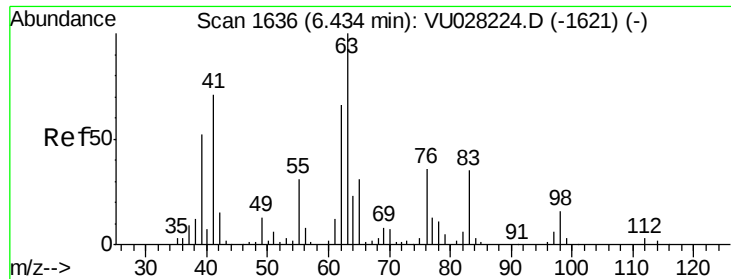


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

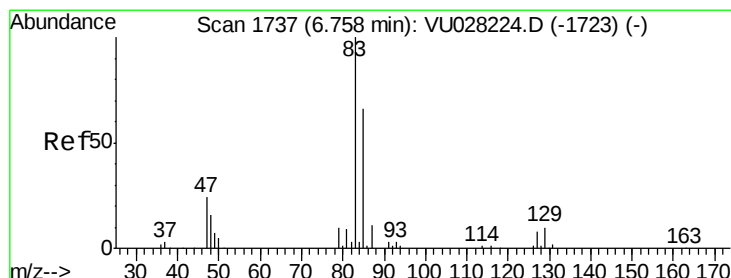
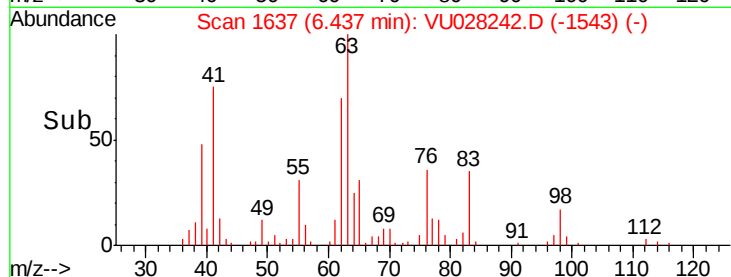
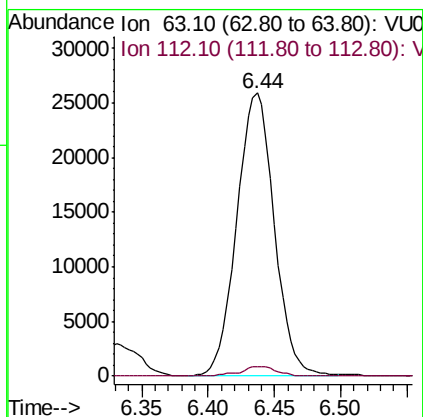
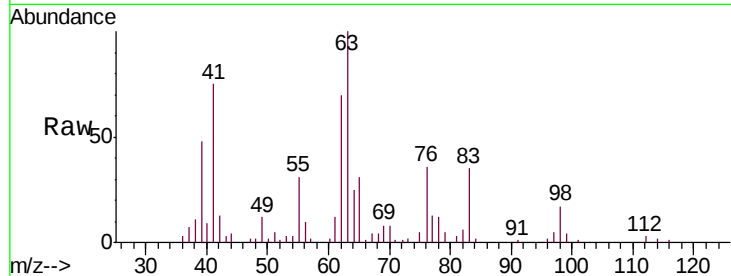




#37
 1,2-Dichloropropane
 Concen: 4.648 ug/L
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU028242.D
 Acq: 19 Nov 2018 09:59

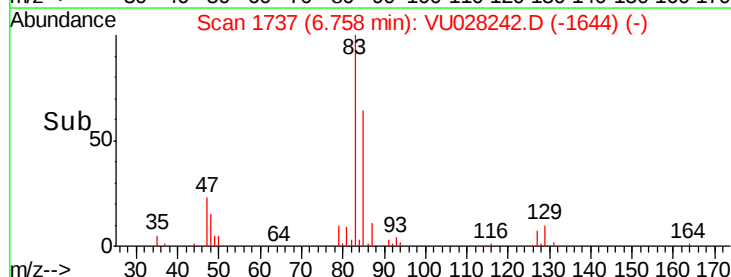
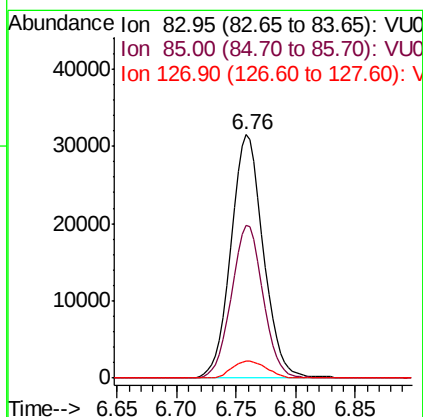
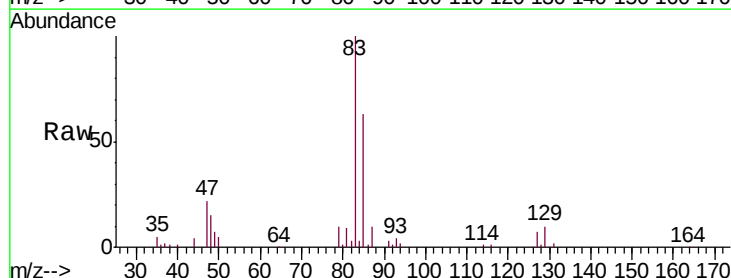
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

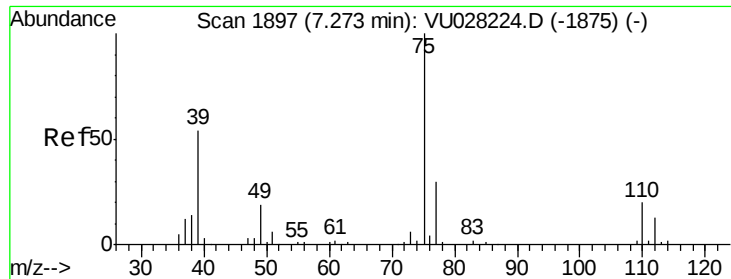
Tgt Ion: 63 Resp: 50976
 Ion Ratio Lower Upper
 63 100
 112 3.2 2.2 3.2



#38
 Bromodichloromethane
 Concen: 4.965 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU028242.D
 Acq: 19 Nov 2018 09:59

Tgt Ion: 83 Resp: 59371
 Ion Ratio Lower Upper
 83 100
 85 62.6 44.2 82.0
 127 7.1 6.2 9.4

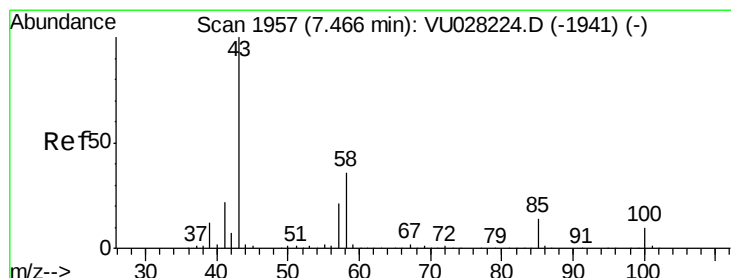
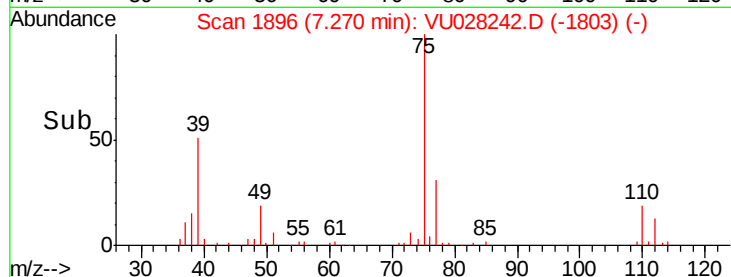
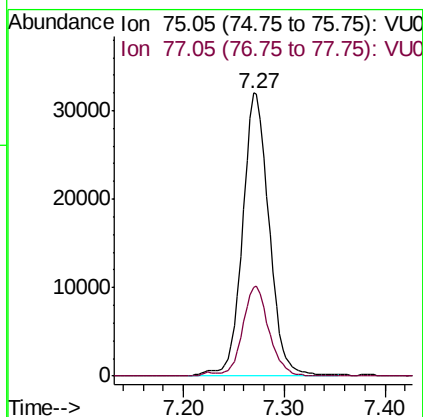
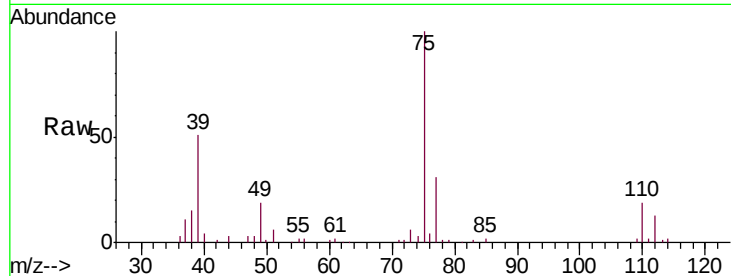




#39
 cis-1,3-Dichloropropene
 Concen: 4.200 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU028242.D
 Acq: 19 Nov 2018 09:59

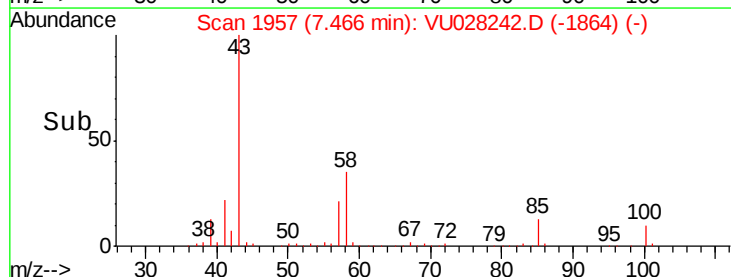
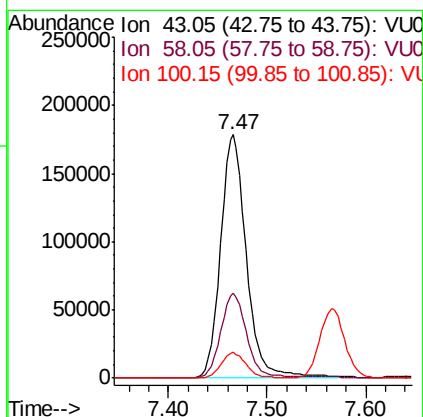
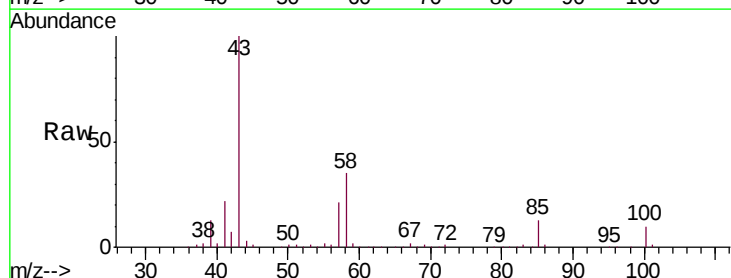
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

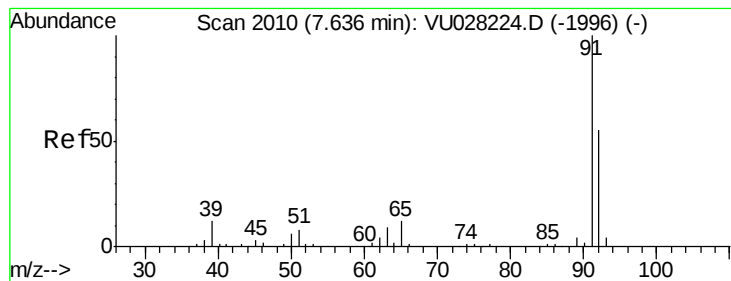
Tgt Ion: 75 Resp: 58375
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 41.849 ug/L
 RT: 7.47 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU028242.D
 Acq: 19 Nov 2018 09:59

Tgt Ion: 43 Resp: 328107
 Ion Ratio Lower Upper
 43 100
 58 34.7 28.8 43.2
 100 10.3 8.0 12.0





#42

Toluene

Concen: 4.787 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028242.D

Acq: 19 Nov 2018 09:59

Instrument :

MSVOA_U

ClientSampleId :

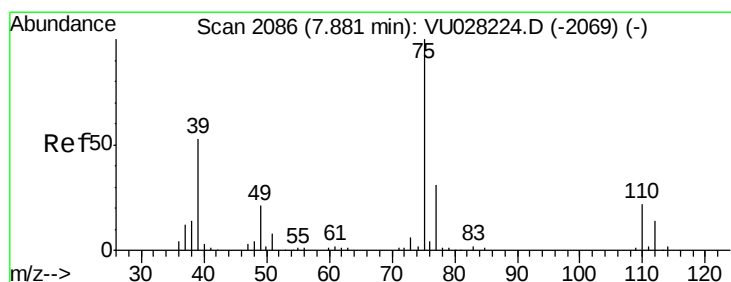
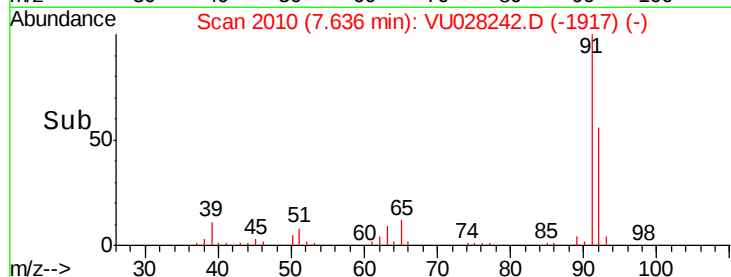
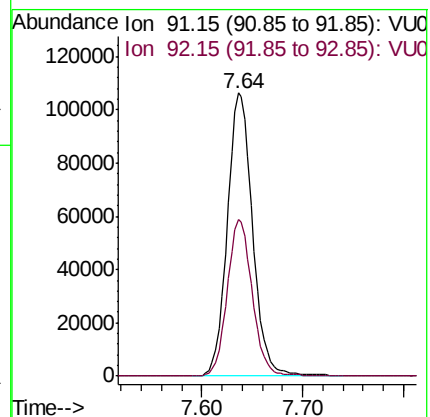
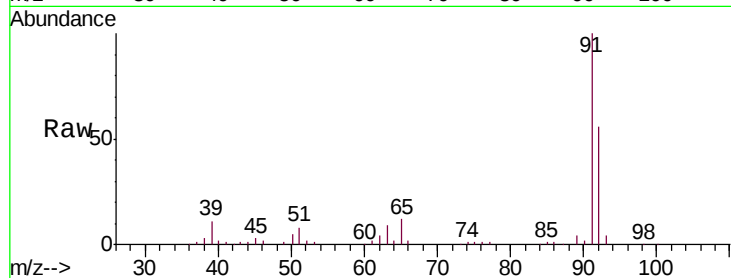
VSTD00521

Tgt Ion: 91 Resp: 186483

Ion Ratio Lower Upper

91 100

92 55.5 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 4.071 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU028242.D

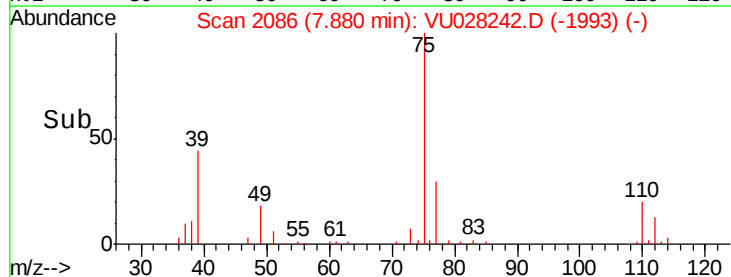
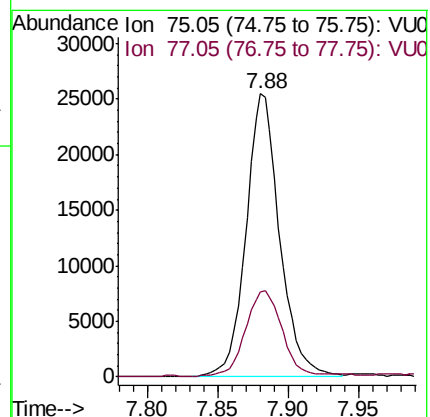
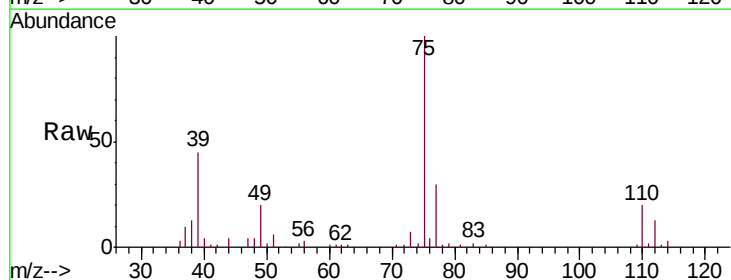
Acq: 19 Nov 2018 09:59

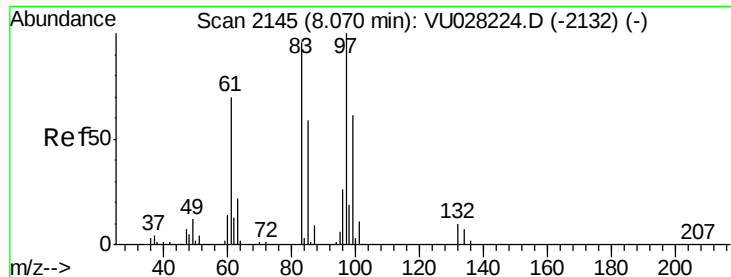
Tgt Ion: 75 Resp: 42564

Ion Ratio Lower Upper

75 100

77 30.2 21.8 40.6

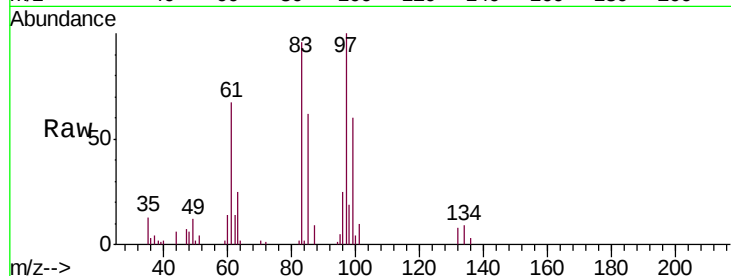




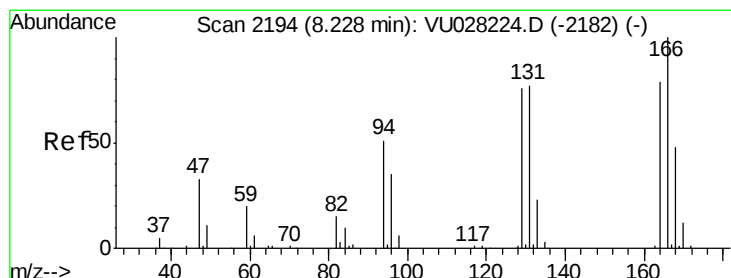
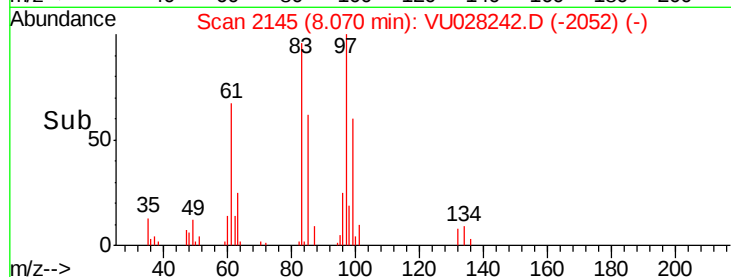
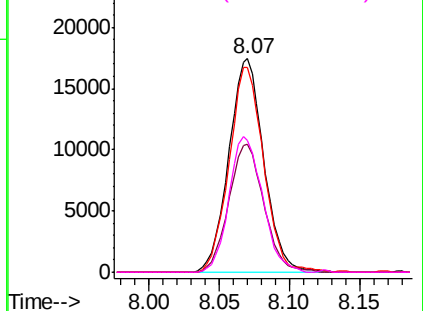
#45
 1,1,2-Trichloroethane
 Concen: 4.570 ug/L
 RT: 8.07 min Scan# 2145
 Delta R.T. -0.00 min
 Lab File: VU028242.D
 Acq: 19 Nov 2018 09:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tgt Ion:	97	Resp:	30281
Ion	Ratio	Lower	Upper
97	100		
99	60.1	44.2	82.0
83	95.7	63.3	117.5
85	61.6	41.9	77.9

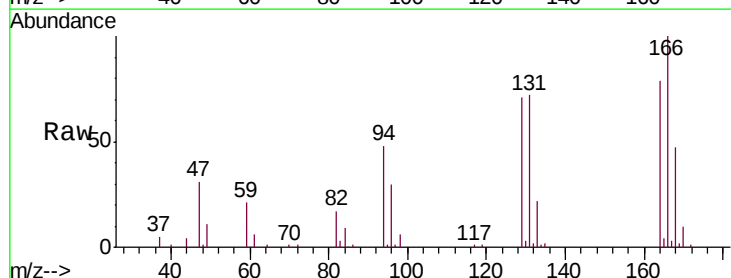


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

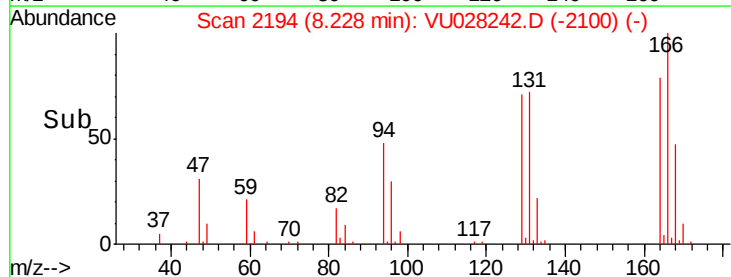
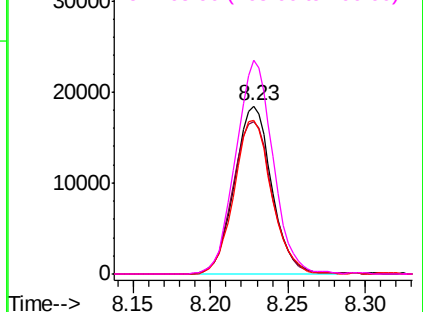


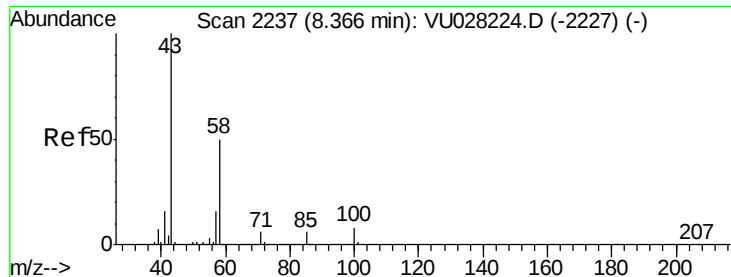
#47
 Tetrachloroethene
 Concen: 4.733 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VU028242.D
 Acq: 19 Nov 2018 09:59

Tgt Ion:	164	Resp:	30915
Ion	Ratio	Lower	Upper
164	100		
129	90.4	67.6	125.6
131	91.6	66.3	123.1
166	127.0	89.2	165.6



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

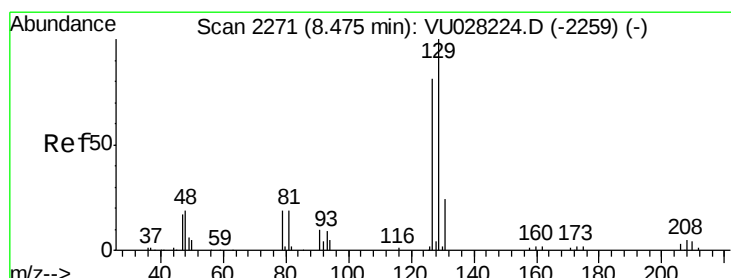
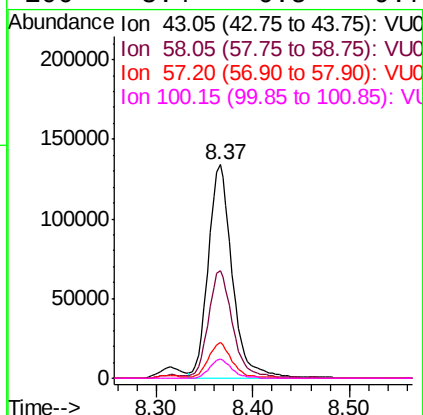
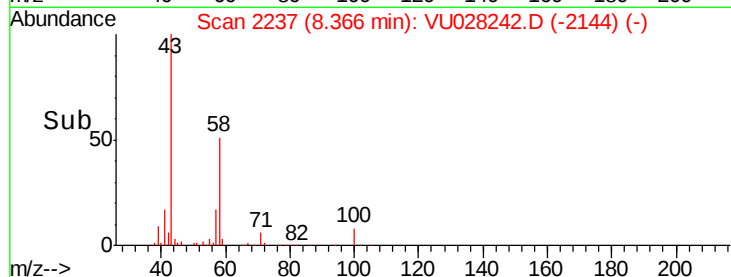
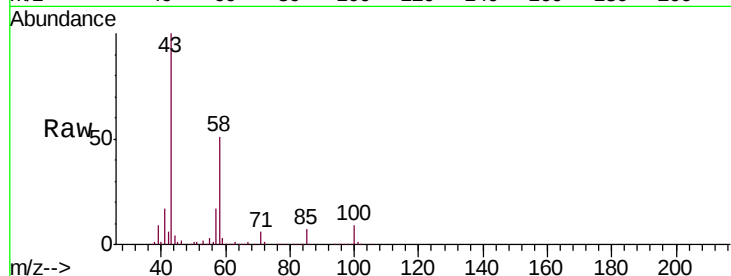




#48
2-Hexanone
Concen: 41.242 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VU028242.D
Acq: 19 Nov 2018 09:59

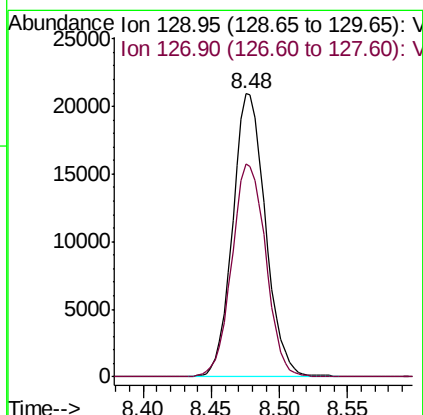
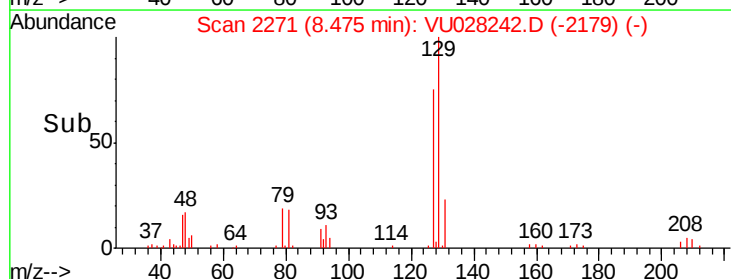
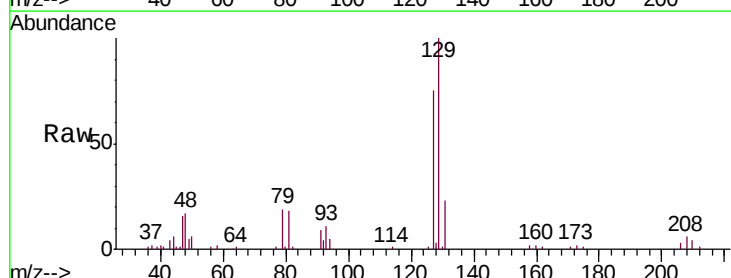
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

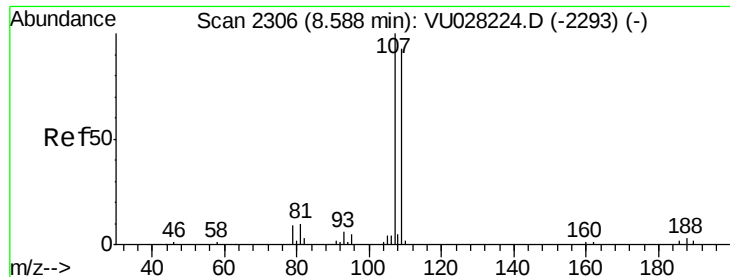
Tgt Ion: 43 Resp: 230543
Ion Ratio Lower Upper
43 100
58 50.7 41.1 61.7
57 16.5 13.8 20.8
100 8.4 6.5 9.7



#49
Dibromochloromethane
Concen: 5.228 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028242.D
Acq: 19 Nov 2018 09:59

Tgt Ion: 129 Resp: 35064
Ion Ratio Lower Upper
129 100
127 75.3 54.7 101.5

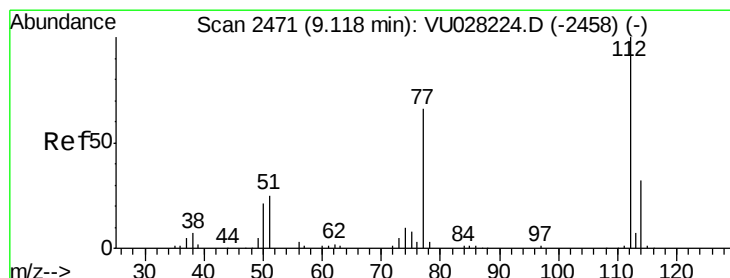
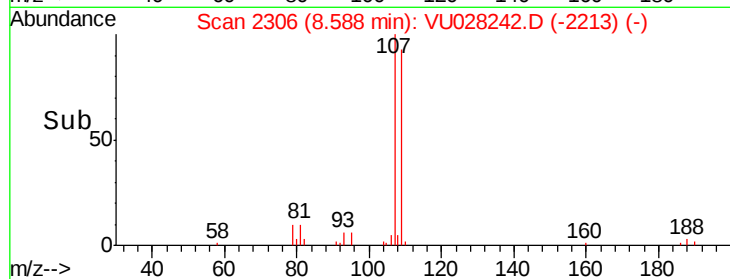
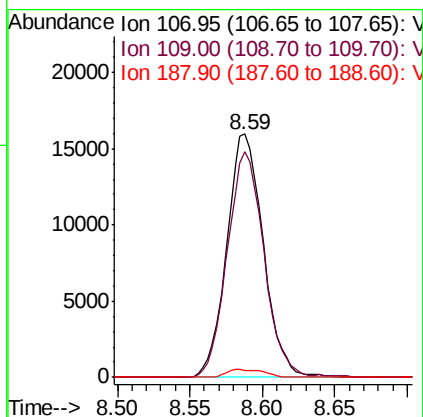
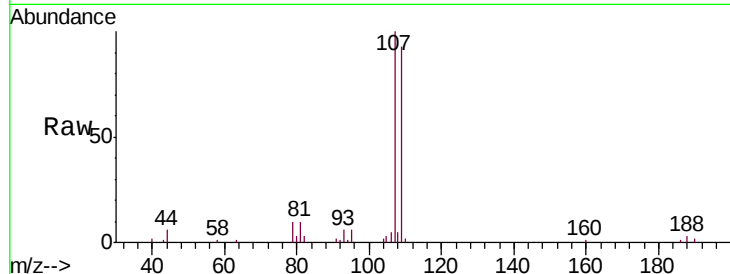




#50
 1,2-Dibromoethane
 Concen: 4.661 ug/L
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU028242.D
 Acq: 19 Nov 2018 09:59

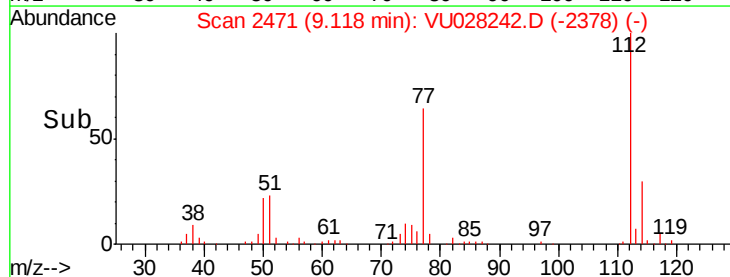
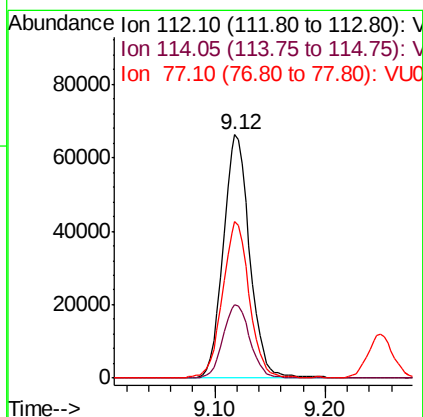
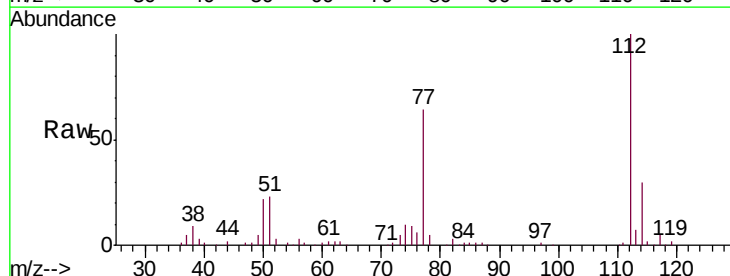
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

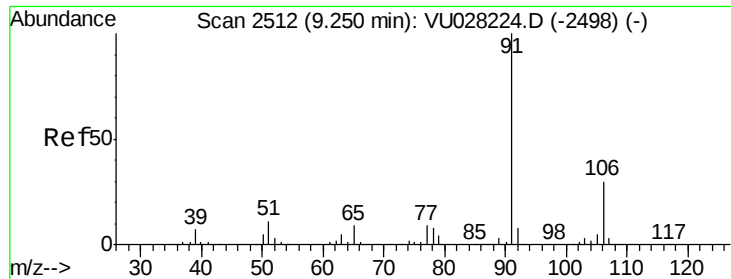
Tgt Ion:107 Resp: 27913
 Ion Ratio Lower Upper
 107 100
 109 92.6 63.7 118.3
 188 2.9 2.5 3.7



#51
 Chlorobenzene
 Concen: 4.911 ug/L
 RT: 9.12 min Scan# 2471
 Delta R.T. -0.00 min
 Lab File: VU028242.D
 Acq: 19 Nov 2018 09:59

Tgt Ion:112 Resp: 110175
 Ion Ratio Lower Upper
 112 100
 114 30.2 22.3 41.5
 77 64.3 52.4 78.6

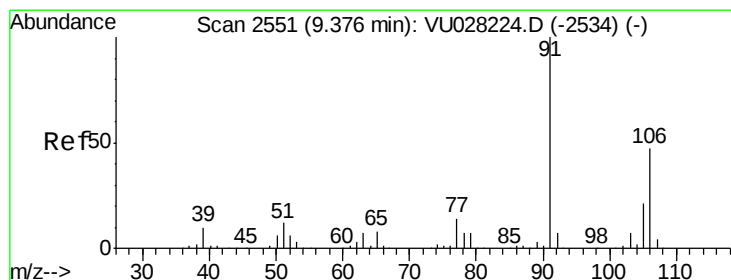
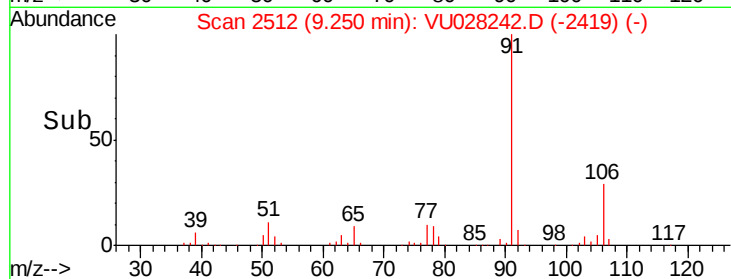
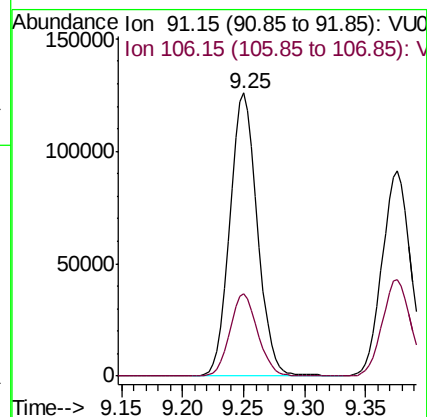
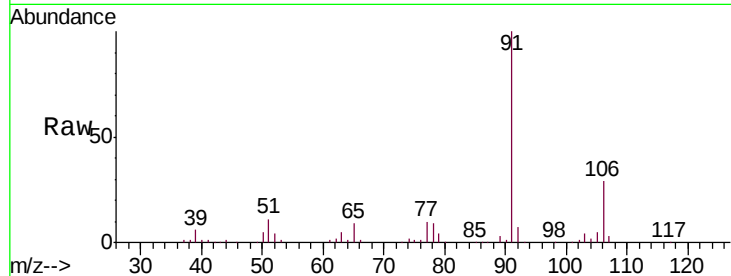




#52
Ethylbenzene
Concen: 4.761 ug/L
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU028242.D
Acq: 19 Nov 2018 09:59

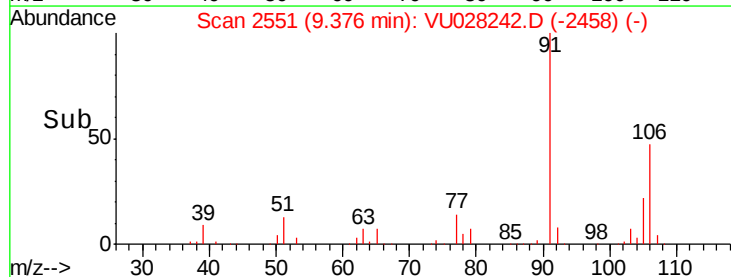
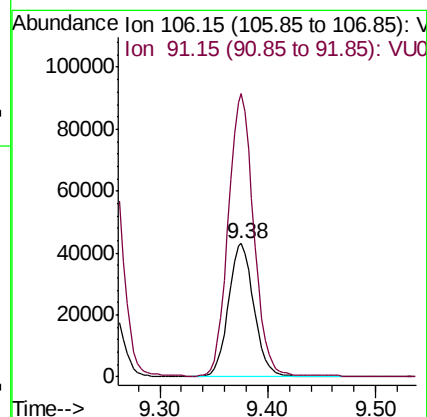
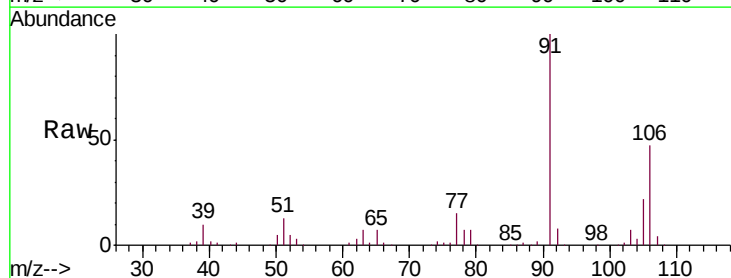
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

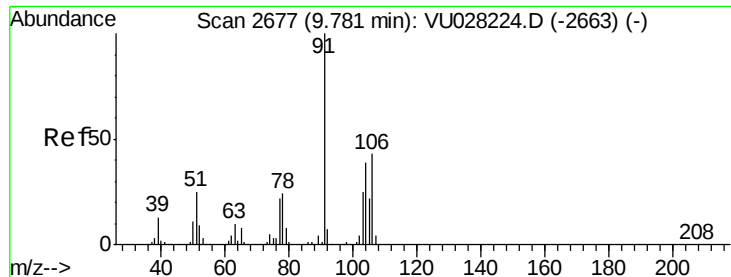
Tgt Ion: 91 Resp: 199589
Ion Ratio Lower Upper
91 100
106 29.2 19.3 35.9



#53
m,p-xylene
Concen: 4.888 ug/L
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU028242.D
Acq: 19 Nov 2018 09:59

Tgt Ion: 106 Resp: 71101
Ion Ratio Lower Upper
106 100
91 212.4 150.6 279.6

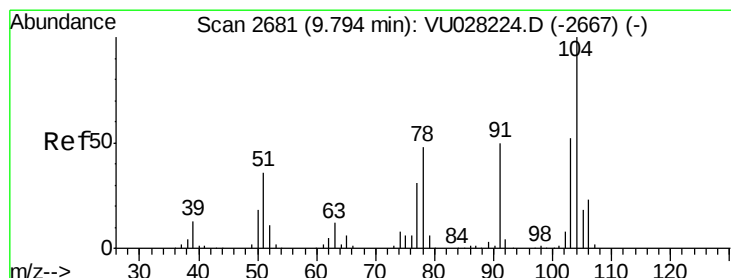
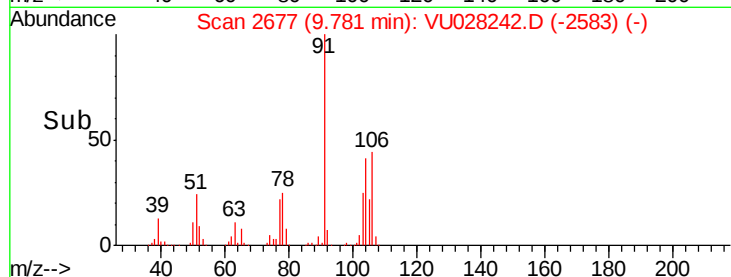
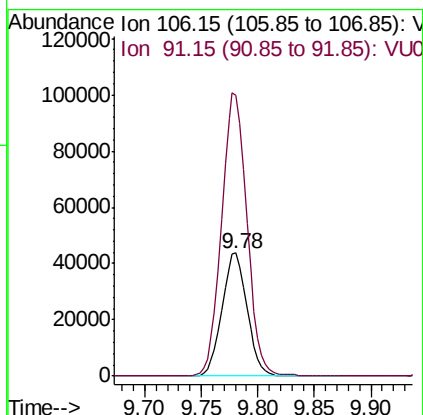
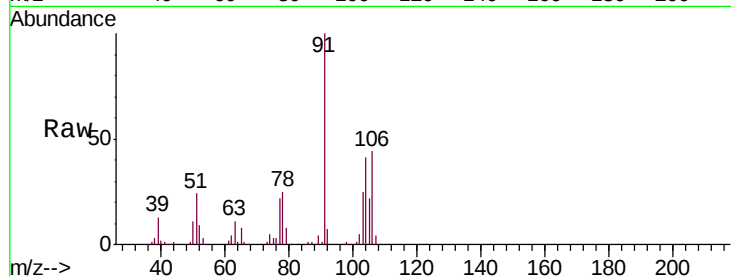




#54
o-xylene
Concen: 4.690 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028242.D
Acq: 19 Nov 2018 09:59

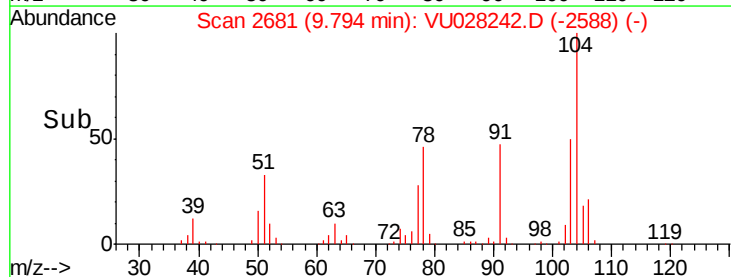
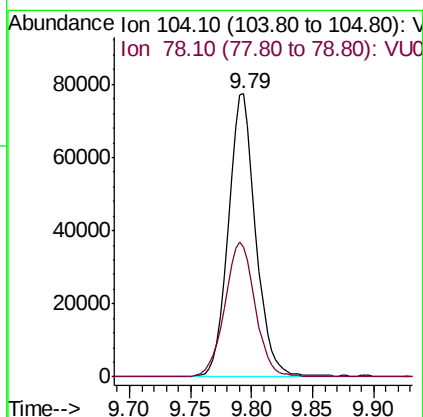
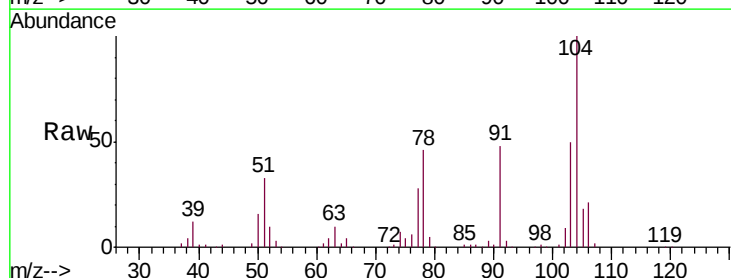
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

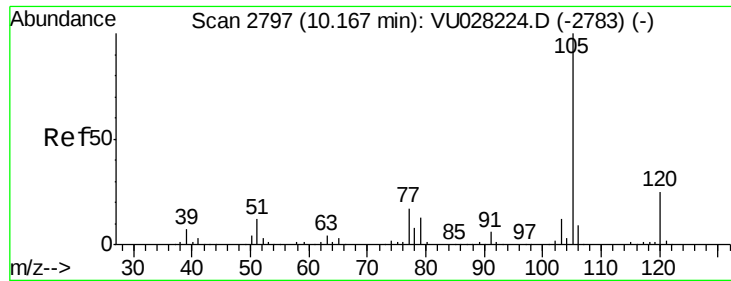
Tgt Ion:106 Resp: 68132
Ion Ratio Lower Upper
106 100
91 229.1 157.5 292.5



#55
Styrene
Concen: 4.980 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU028242.D
Acq: 19 Nov 2018 09:59

Tgt Ion:104 Resp: 121455
Ion Ratio Lower Upper
104 100
78 46.0 33.4 62.0





#56

Isopropylbenzene

Concen: 4.714 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028242.D

Acq: 19 Nov 2018 09:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

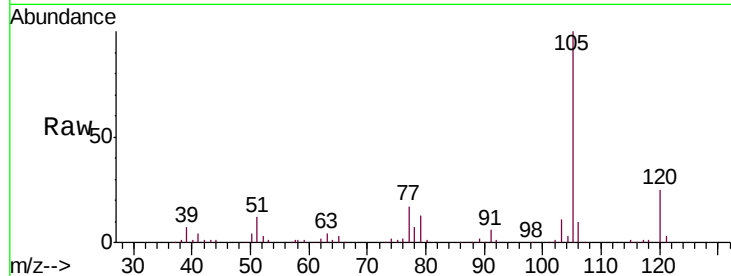
Tgt Ion: 105 Resp: 183419

Ion Ratio Lower Upper

105 100

120 25.0 20.3 30.5

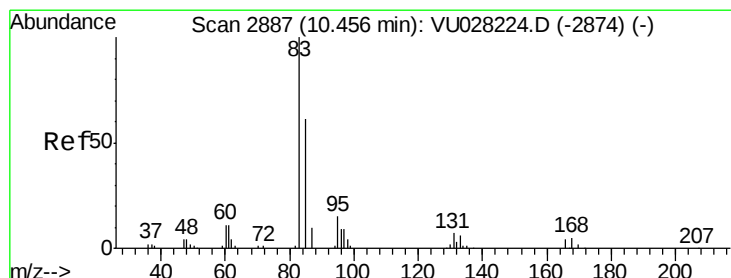
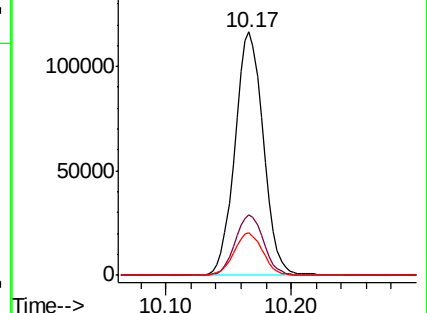
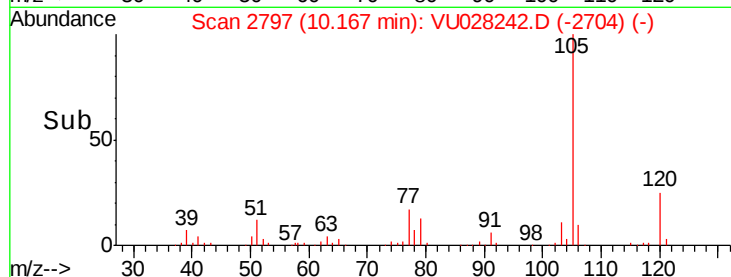
77 17.7 14.5 21.7



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: 4.672 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU028242.D

Acq: 19 Nov 2018 09:59

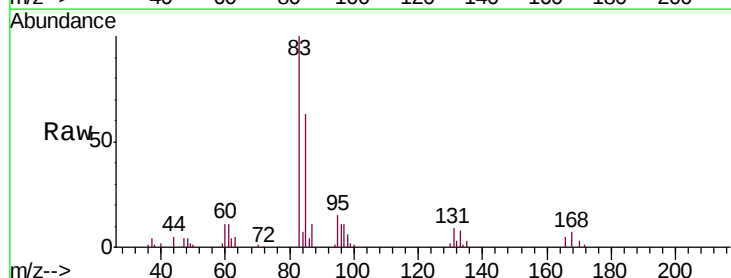
Tgt Ion: 83 Resp: 39792

Ion Ratio Lower Upper

83 100

85 63.0 46.1 85.5

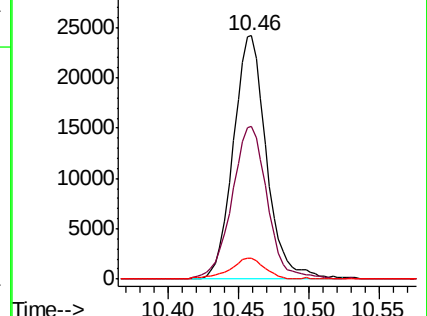
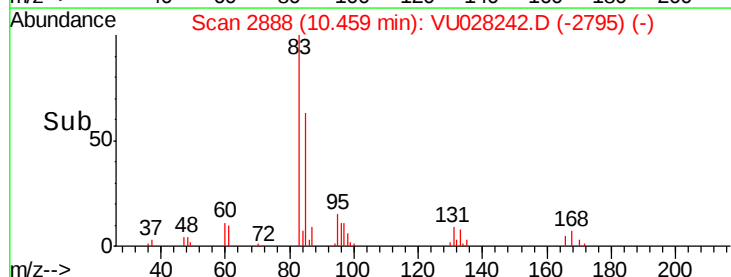
131 8.7 6.2 9.2

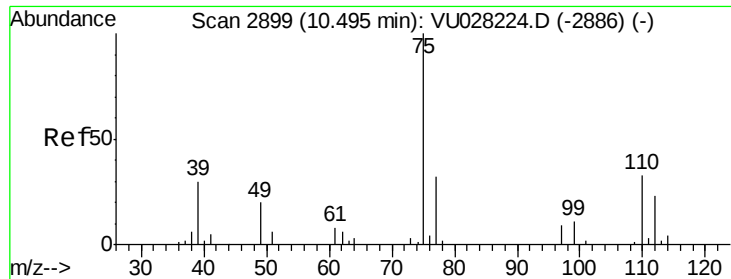


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.513 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU028242.D

Acq: 19 Nov 2018 09:59

Instrument :

MSVOA_U

ClientSampleId :

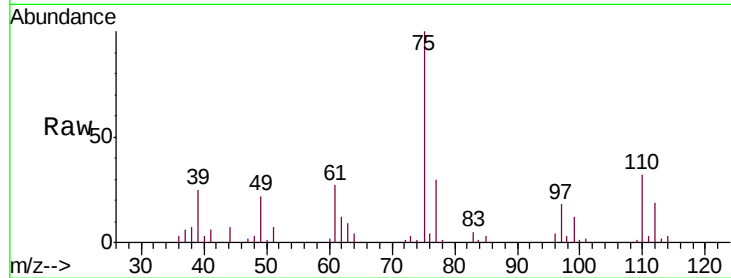
VSTD00521

Tgt Ion: 75 Resp: 28596

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU028224.D (-2886) (-)

Ion 77.00 (76.70 to 77.70): VU028224.D (-2886) (-)

10.49

15000

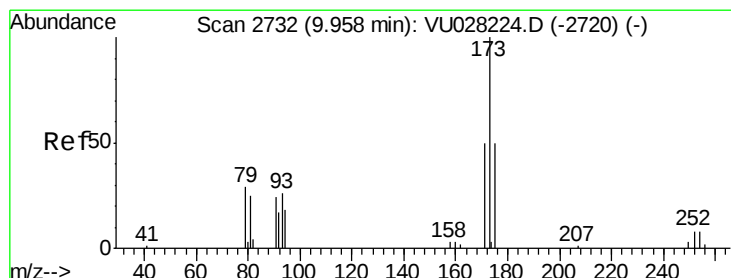
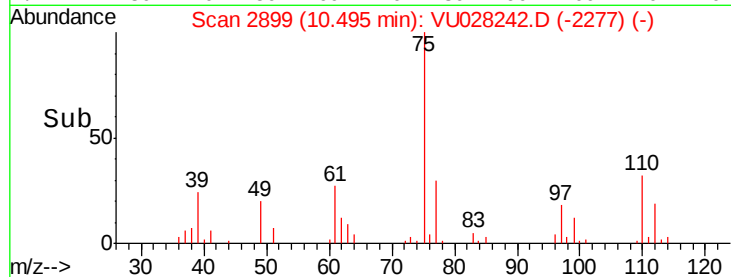
10000

5000

0

10.45 10.50 10.55

Time-->



#61

Bromoform

Concen: 5.435 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028242.D

Acq: 19 Nov 2018 09:59

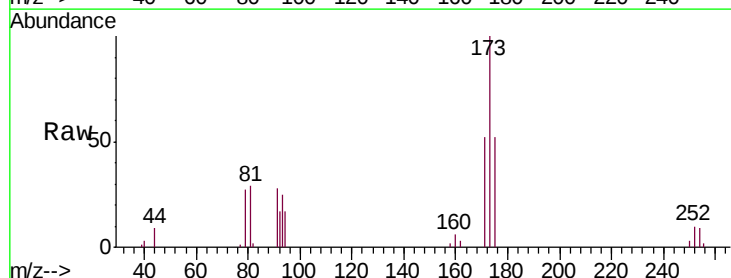
Tgt Ion: 173 Resp: 18806

Ion Ratio Lower Upper

173 100

175 48.7 38.7 58.1

254 8.7 6.6 10.0



Abundance Ion 172.90 (172.60 to 173.60): VU028224.D (-2720) (-)

Ion 174.90 (174.60 to 175.60): VU028224.D (-2720) (-)

Ion 253.75 (253.45 to 254.45): VU028224.D (-2720) (-)

9.96

15000

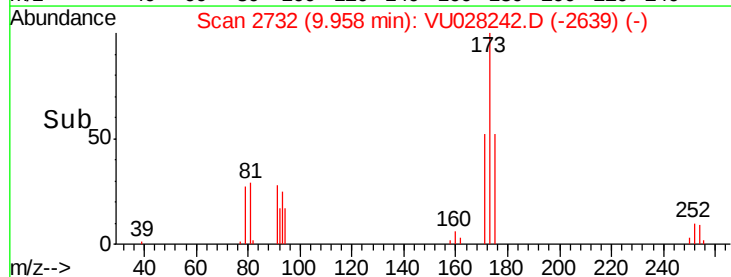
10000

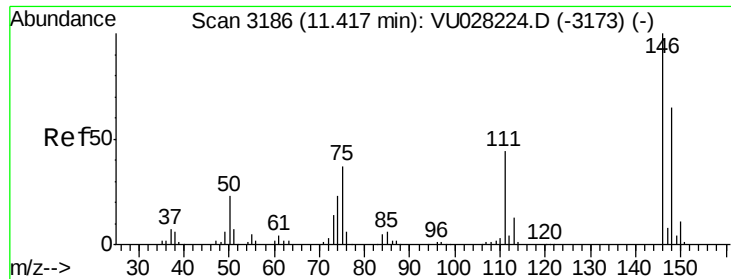
5000

0

9.90 9.95 10.00

Time-->





#62

1,3-Dichlorobenzene

Concen: 4.885 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU028242.D

Acq: 19 Nov 2018 09:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

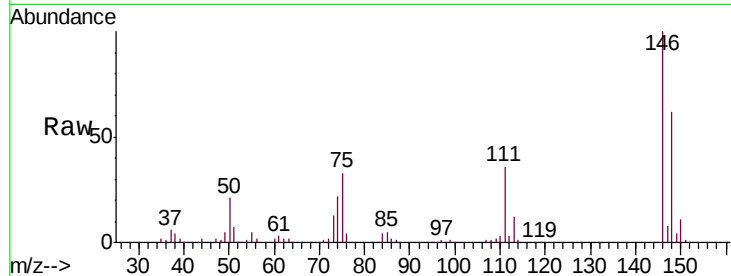
Tgt Ion:146 Resp: 81136

Ion Ratio Lower Upper

146 100

111 36.0 30.4 56.4

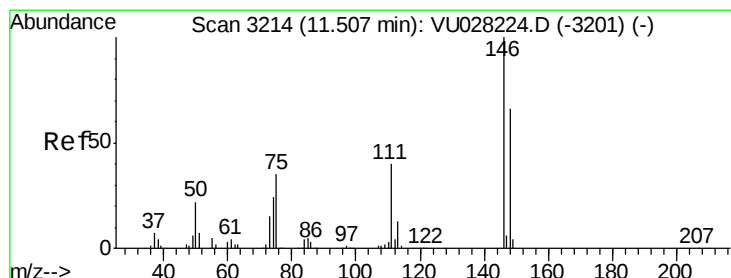
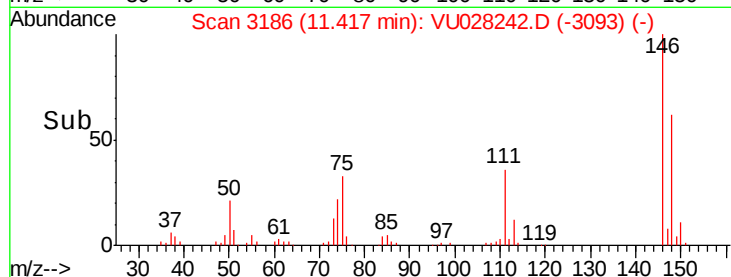
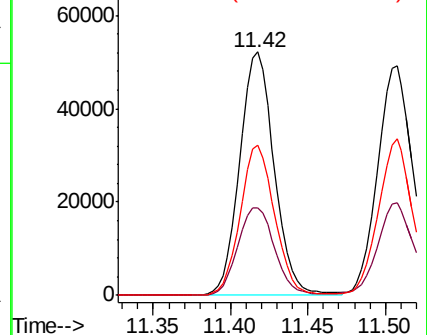
148 61.7 45.3 84.1



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: 4.593 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU028242.D

Acq: 19 Nov 2018 09:59

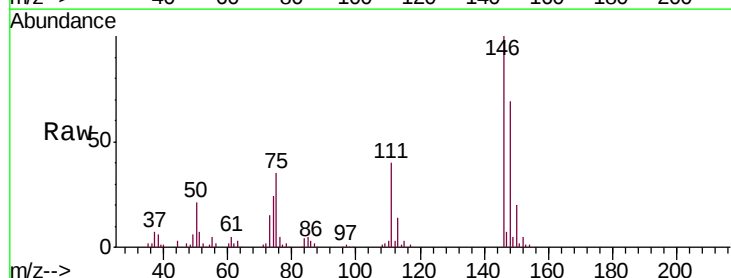
Tgt Ion:146 Resp: 77825

Ion Ratio Lower Upper

146 100

111 40.4 28.9 53.7

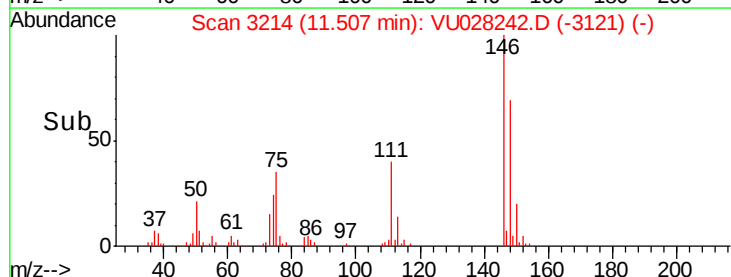
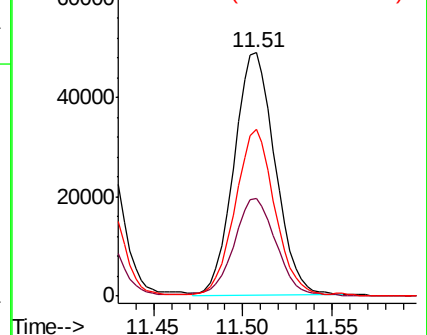
148 68.6 44.5 82.7

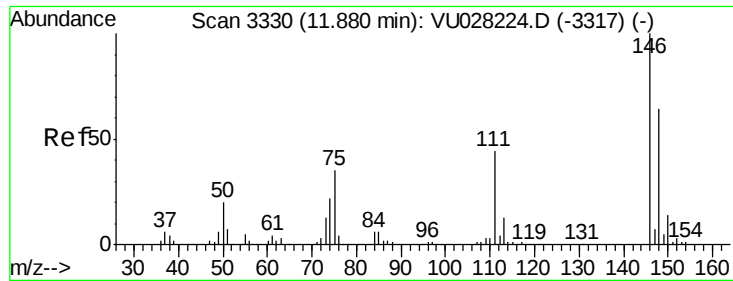


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.687 ug/L

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU028242.D

Acq: 19 Nov 2018 09:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

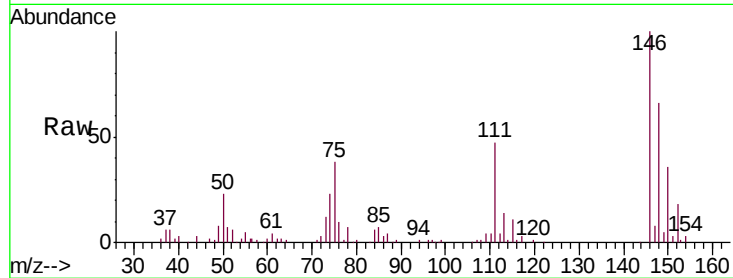
Tgt Ion:146 Resp: 76324

Ion Ratio Lower Upper

146 100

111 47.0 34.7 52.1

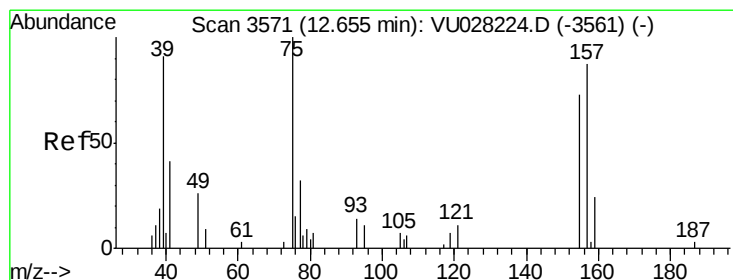
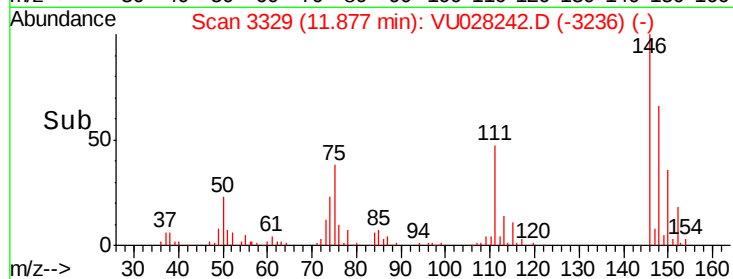
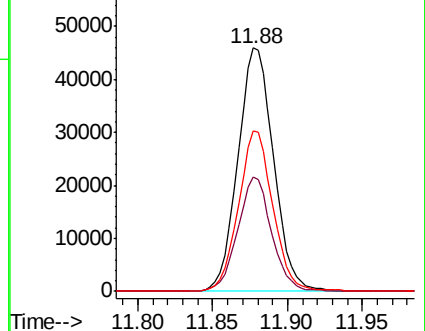
148 66.0 51.2 76.8



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.630 ug/L

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU028242.D

Acq: 19 Nov 2018 09:59

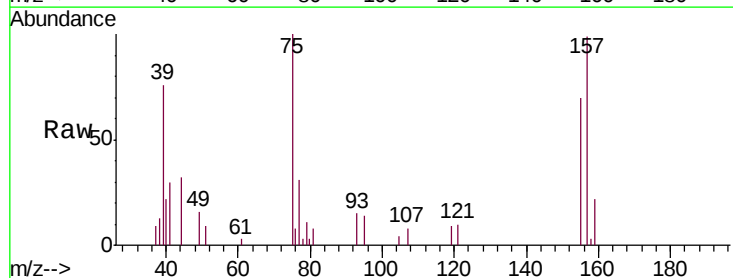
Tgt Ion: 75 Resp: 5874

Ion Ratio Lower Upper

75 100

155 69.7 46.1 69.1#

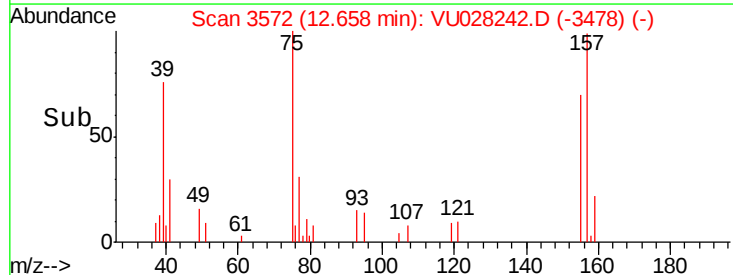
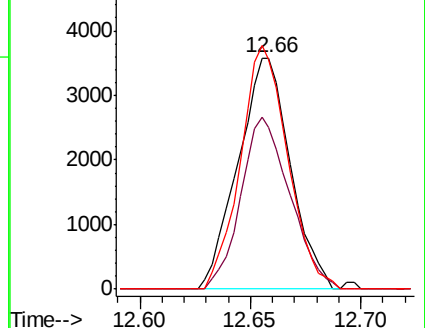
157 99.4 67.0 100.6

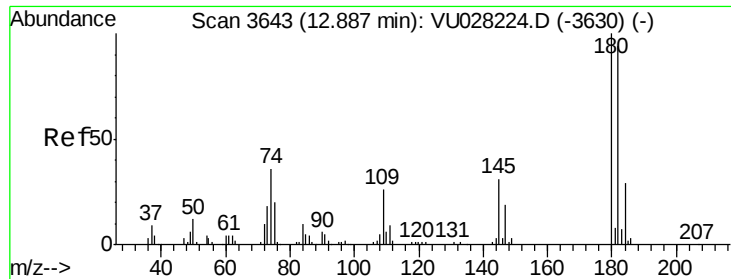


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

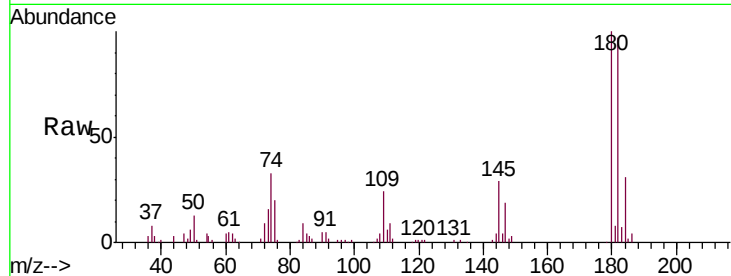




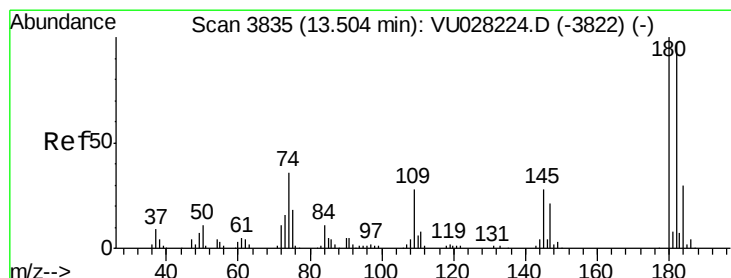
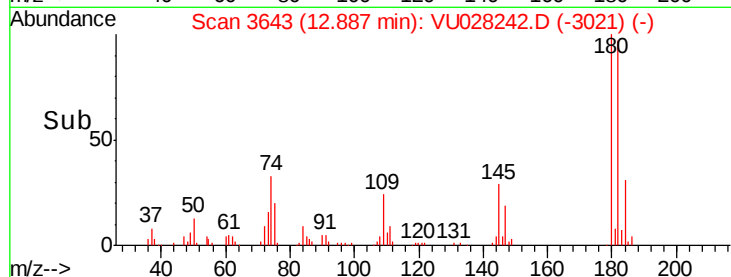
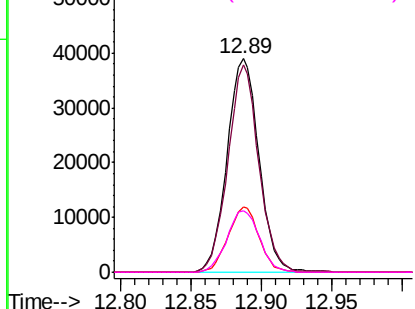
#67
 1,3,5-Trichlorobenzene
 Concen: 4.847 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. -0.00 min
 Lab File: VU028242.D
 Acq: 19 Nov 2018 09:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tgt Ion:180 Resp: 61573
 Ion Ratio Lower Upper
 180 100
 182 94.4 77.5 116.3
 184 29.5 23.7 35.5
 145 29.2 24.2 36.4

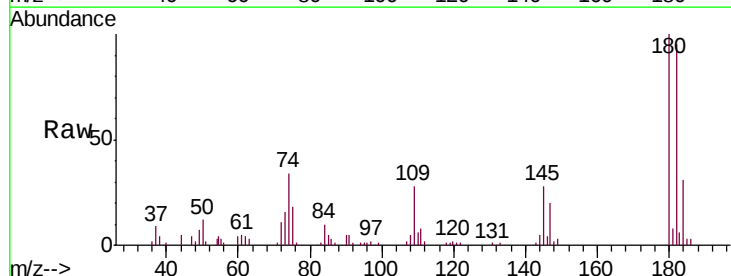


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

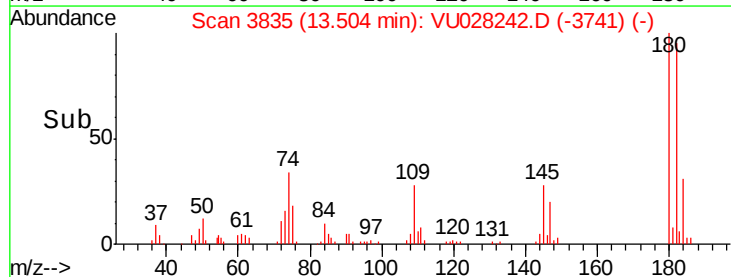
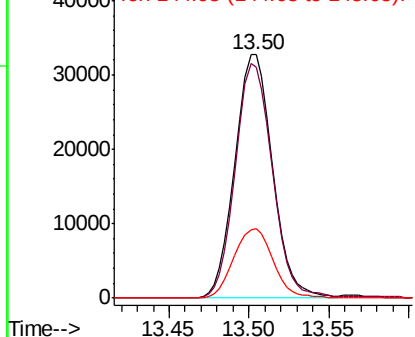


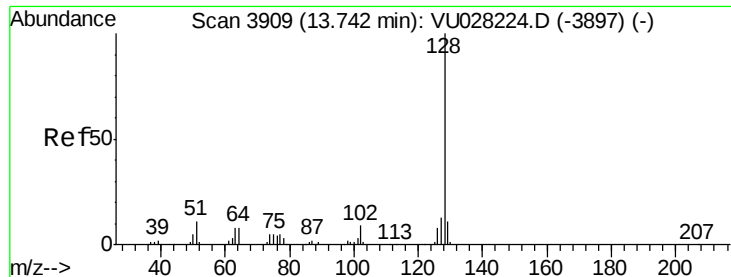
#68
 1,2,4-trichlorobenzene
 Concen: 4.965 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028242.D
 Acq: 19 Nov 2018 09:59

Tgt Ion:180 Resp: 52700
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.4 113.2
 145 29.8 24.5 36.7



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: 4.682 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU028242.D

Acq: 19 Nov 2018 09:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

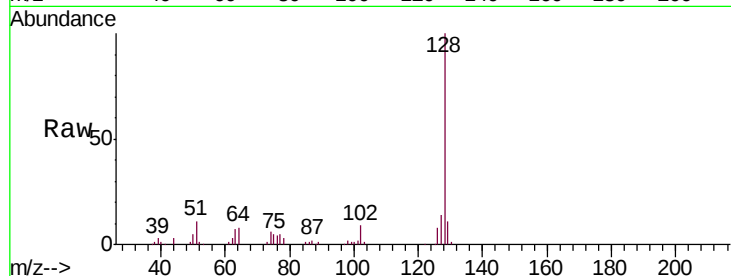
Tgt Ion:128 Resp: 88335

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

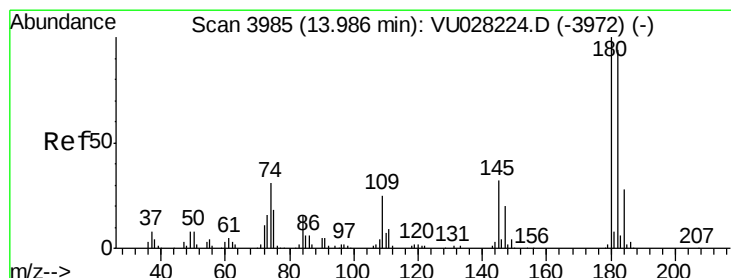
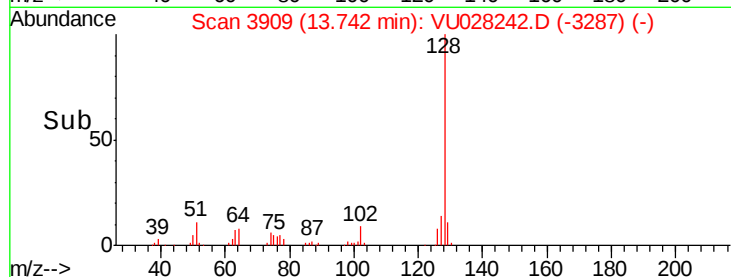
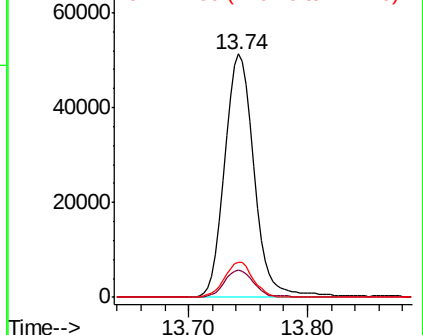
127 14.0 10.7 16.1



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: 4.952 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU028242.D

Acq: 19 Nov 2018 09:59

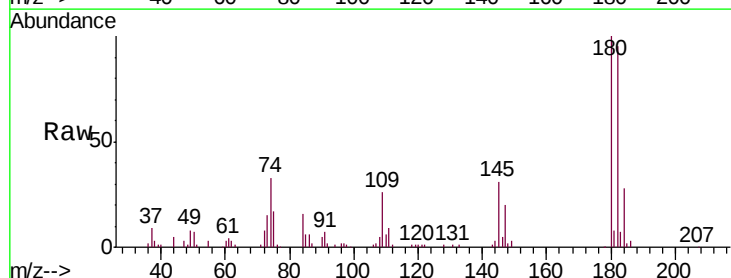
Tgt Ion:180 Resp: 49787

Ion Ratio Lower Upper

180 100

182 94.7 77.0 115.4

145 31.2 25.7 38.5



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

