

Data File : VU028267.D
Acq On : 19 Nov 2018 20:01
Operator : MD/SY
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Nov 20 07:14:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 07:07:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	132554	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	131079	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	63421	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	44133	4.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.40%
7) Chloroethane-d5	1.68	69	39301	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.28	63	90732	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.40%
20) 2-Butanone-d5	4.19	46	152718	45.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.50%
24) Chloroform-d	4.65	84	86953	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.31	65	46660	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
32) Benzene-d6	5.34	84	167635	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
36) 1,2-Dichloropropane-d6	6.33	67	60939	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.00%
41) Toluene-d8	7.57	98	154131	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
43) trans-1,3-Dichloropropene-	7.85	79	18966	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
46) 2-Hexanone-d5	8.31	63	109850	41.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.70%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	45646	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	52044	4.41	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	50037	4.495	ug/L 98
3) Chloromethane	1.33	50	69047	4.874	ug/L 100
5) Vinyl chloride	1.40	62	64483	4.793	ug/L 91
6) Bromomethane	1.63	94	26818	4.417	ug/L 99
8) Chloroethane	1.70	64	40258	5.063	ug/L 98
9) Trichlorofluoromethane	1.89	101	74332	4.744	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	41802	4.848	ug/L 98
12) 1,1-Dichloroethene	2.29	96	40200	4.926	ug/L 95
13) Acetone	2.32	43	92242	40.181	ug/L 96
14) Carbon disulfide	2.48	76	131732	5.141	ug/L 100
15) Methyl Acetate	2.62	43	25649	4.215	ug/L 98
16) Methylene chloride	2.70	84	47789	4.648	ug/L 98
17) Methyl tert-butyl Ether	3.01	73	110603	4.512	ug/L 99
18) trans-1,2-Dichloroethene	2.98	96	43241	4.974	ug/L 97
19) 1,1-Dichloroethane	3.45	63	98699	4.896	ug/L 99
21) 2-Butanone	4.28	43	153585	42.013	ug/L 98
22) cis-1,2-Dichloroethene	4.23	96	49084	4.777	ug/L 90

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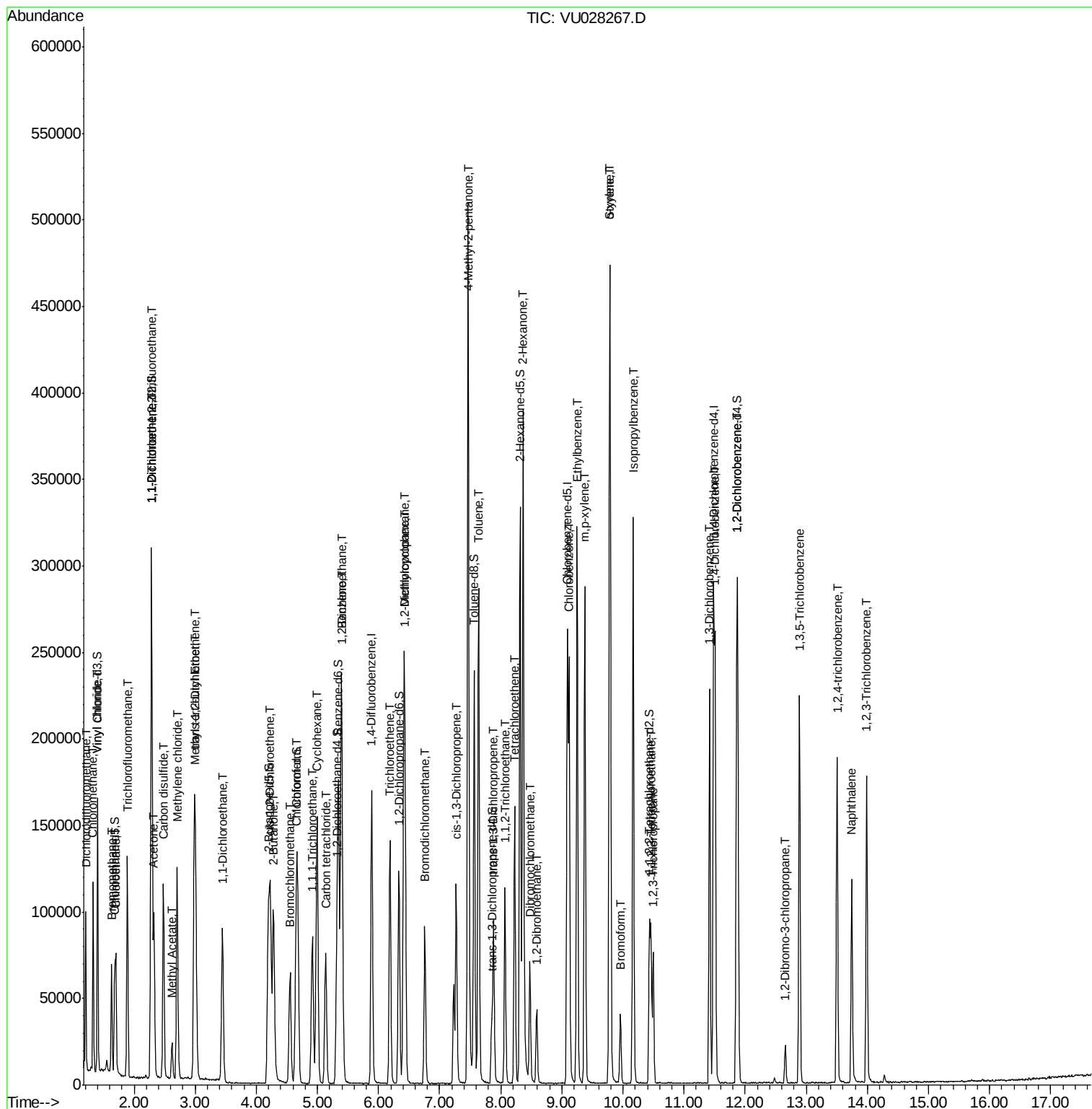
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	19384	4.821	ug/L	91
25) Chloroform	4.67	83	92777	4.253	ug/L	100
27) 1,2-Dichloroethane	5.41	62	56117	4.501	ug/L	100
29) 1,1,1-Trichloroethane	4.92	97	65952	4.463	ug/L	97
30) Cyclohexane	4.99	56	81798	4.230	ug/L	98
31) Carbon tetrachloride	5.13	117	51389	4.239	ug/L	97
33) Benzene	5.39	78	196658	4.547	ug/L	100
34) Trichloroethene	6.19	95	47813	4.516	ug/L	93
35) Methylcyclohexane	6.42	83	73820	4.425	ug/L	97
37) 1,2-Dichloropropane	6.44	63	54671	4.430	ug/L #	98
38) Bromodichloromethane	6.76	83	60627	4.505	ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	66205	4.233	ug/L	99
40) 4-Methyl-2-pentanone	7.47	43	372032	42.167	ug/L	99
42) Toluene	7.64	91	203440	4.641	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	50052	4.254	ug/L	93
45) 1,1,2-Trichloroethane	8.07	97	34367	4.609	ug/L	98
47) Tetrachloroethene	8.23	164	33224	4.520	ug/L	96
48) 2-Hexanone	8.37	43	262923	41.797	ug/L	99
49) Dibromochloromethane	8.48	129	33837	4.483	ug/L	99
50) 1,2-Dibromoethane	8.59	107	28448	4.221	ug/L	96
51) Chlorobenzene	9.12	112	117518	4.655	ug/L	99
52) Ethylbenzene	9.25	91	218173	4.625	ug/L	95
53) m,p-xylene	9.38	106	76499	4.674	ug/L	95
54) o-xylene	9.78	106	74780	4.574	ug/L	100
55) Styrene	9.79	104	130292	4.747	ug/L	94
56) Isopropylbenzene	10.17	105	199823	4.563	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	44432	4.636	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	30540	4.283	ug/L	100
61) Bromoform	9.96	173	18340	4.561	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	85487	4.429	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	91652	4.655	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	86848	4.589	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	5706	3.870	ug/L #	79
67) 1,3,5-Trichlorobenzene	12.89	180	66270	4.489	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	56596	4.588	ug/L	99
69) Naphthalene	13.74	128	94264	4.300	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	52772	4.517	ug/L	99

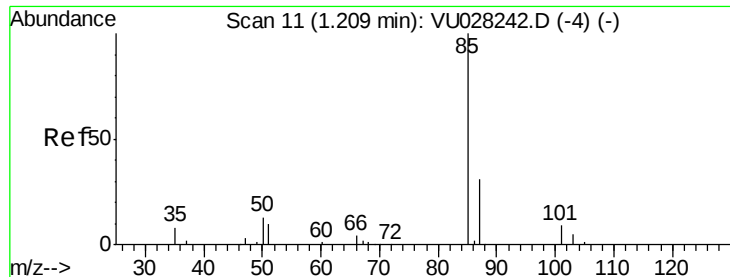
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.495 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU028267.D

Acq: 19 Nov 2018 20:01

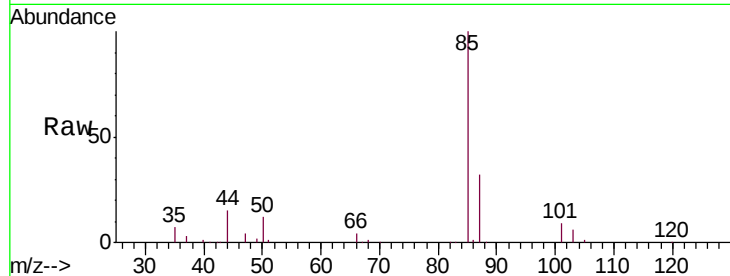
Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 85 Resp: 50037

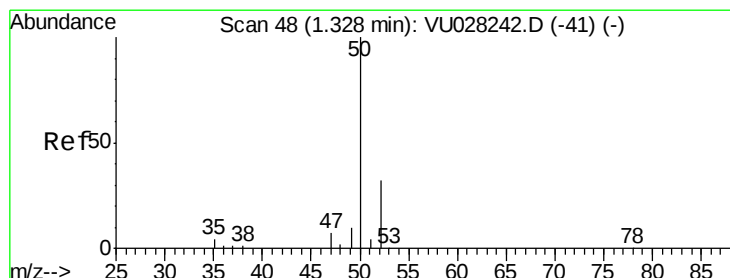
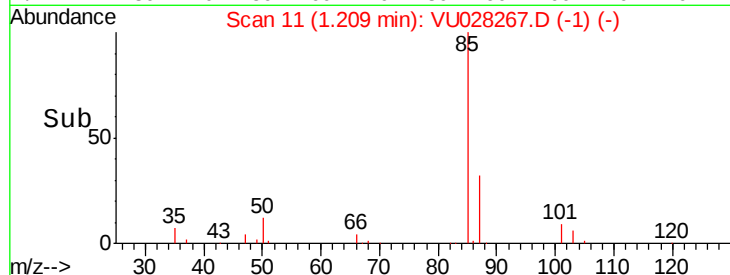
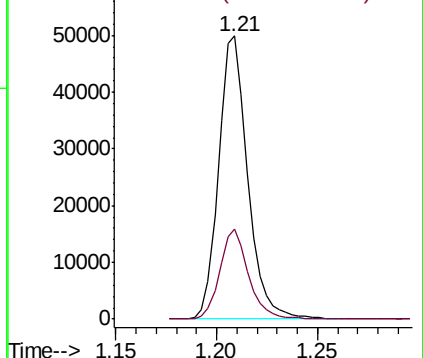
Ion Ratio Lower Upper

85 100

87 31.3 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: 4.874 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028267.D

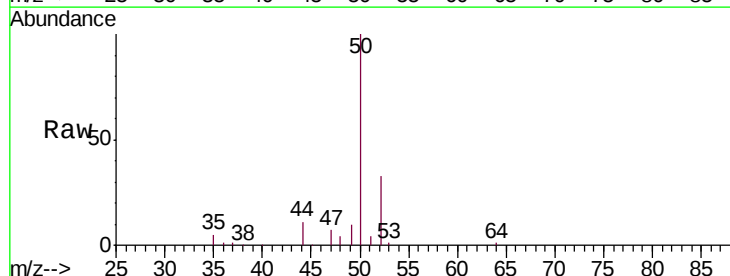
Acq: 19 Nov 2018 20:01

Tgt Ion: 50 Resp: 69047

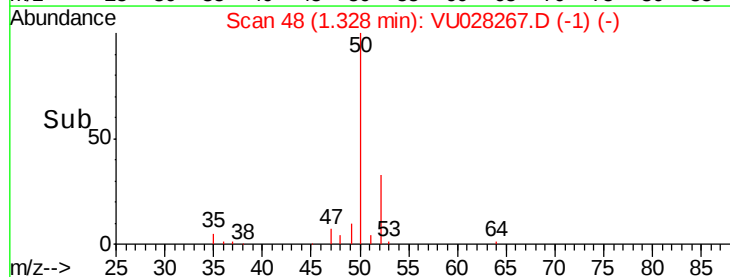
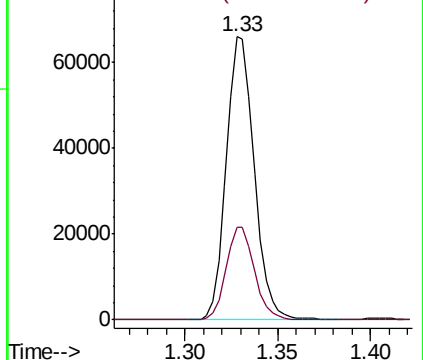
Ion Ratio Lower Upper

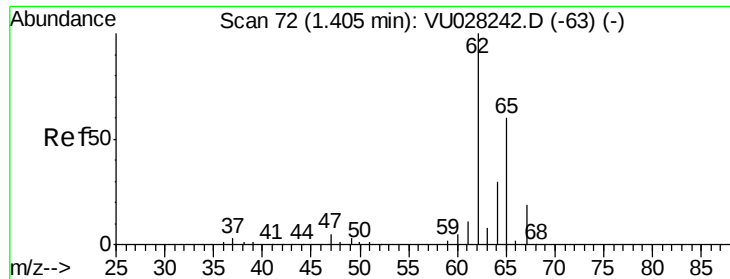
50 100

52 32.7 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: 4.793 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028267.D

Acq: 19 Nov 2018 20:01

Instrument :

MSVOA_U

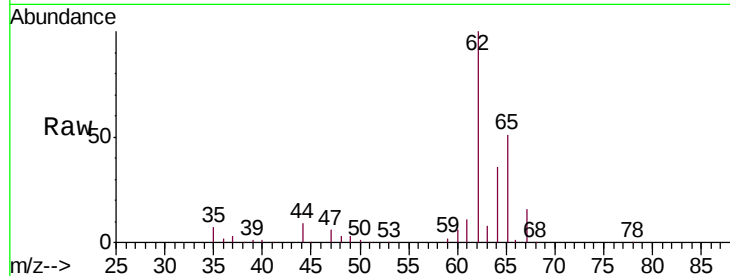
ClientSampleId :

Tgt Ion: 62 Resp: 64483

Ion Ratio Lower Upper

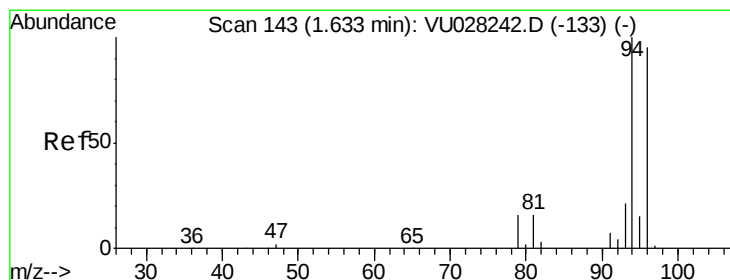
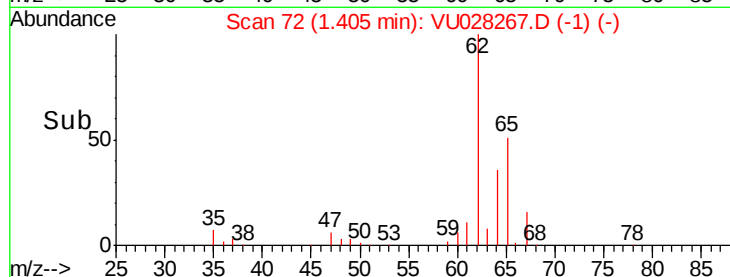
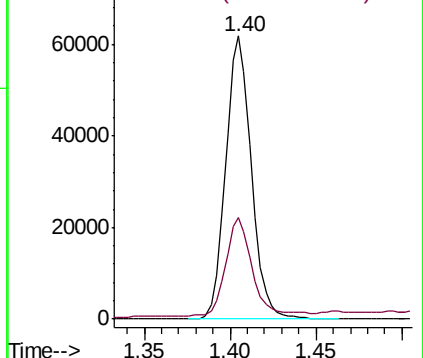
62 100

64 35.8 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: 4.417 ug/L

RT: 1.63 min Scan# 142

Delta R.T. -0.00 min

Lab File: VU028267.D

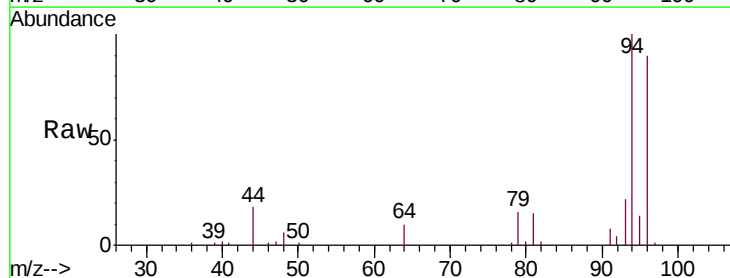
Acq: 19 Nov 2018 20:01

Tgt Ion: 94 Resp: 26818

Ion Ratio Lower Upper

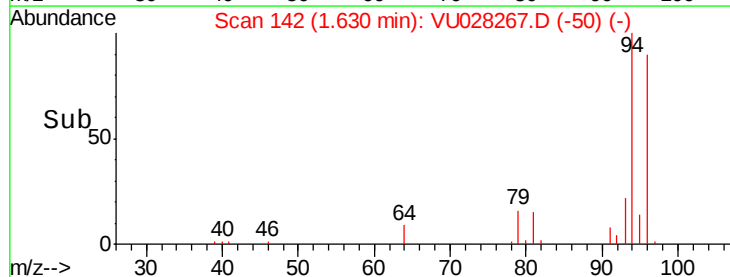
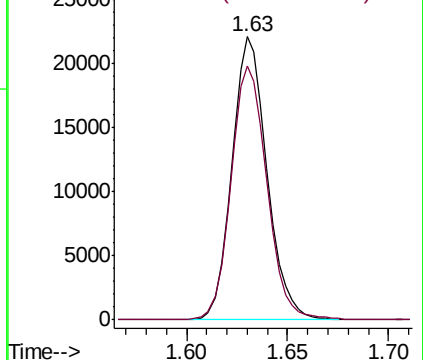
94 100

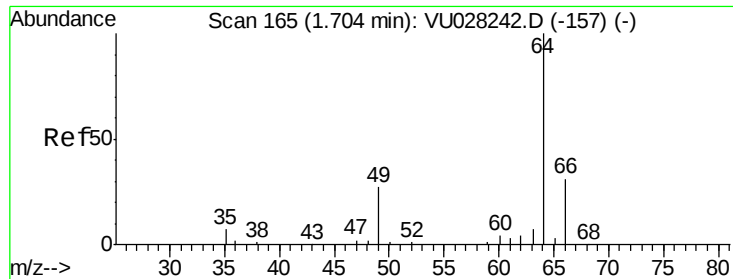
96 89.9 63.6 118.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 5.063 ug/L

RT: 1.70 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU028267.D

Acq: 19 Nov 2018 20:01

Instrument :

MSVOA_U

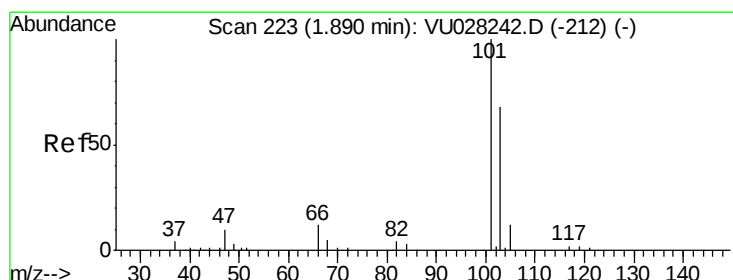
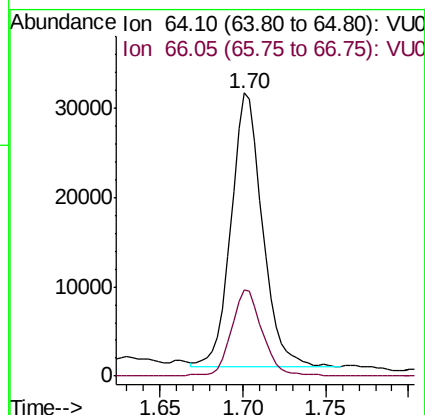
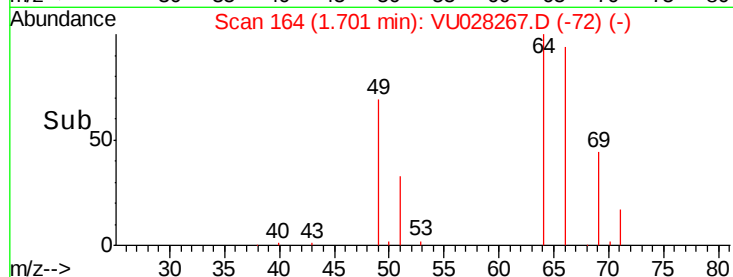
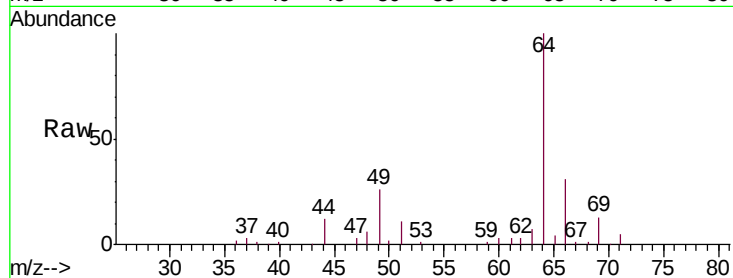
ClientSampleId :

Tgt Ion: 64 Resp: 40258

Ion Ratio Lower Upper

64 100

66 30.6 20.7 38.5



#9

Trichlorofluoromethane

Concen: 4.744 ug/L

RT: 1.89 min Scan# 223

Delta R.T. 0.00 min

Lab File: VU028267.D

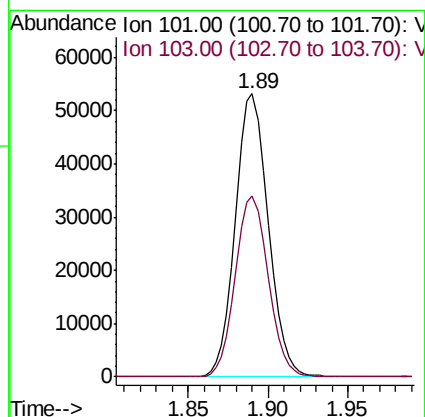
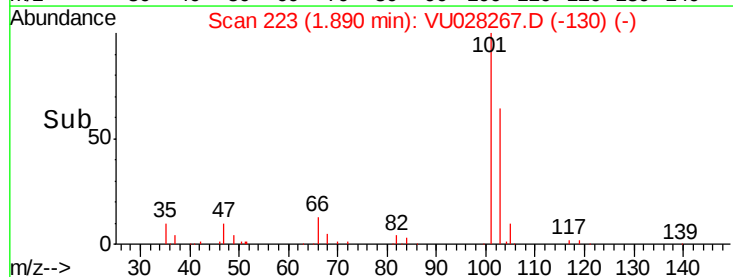
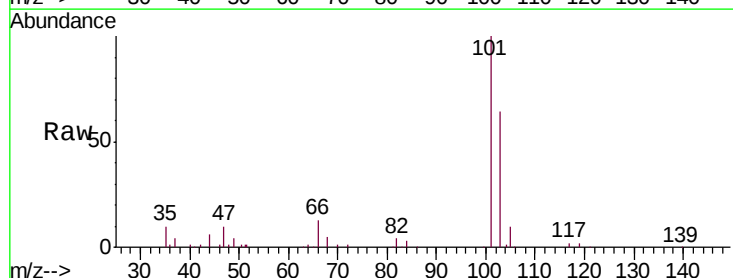
Acq: 19 Nov 2018 20:01

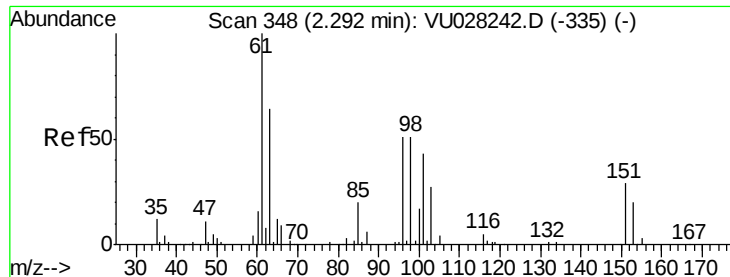
Tgt Ion: 101 Resp: 74332

Ion Ratio Lower Upper

101 100

103 64.2 51.7 77.5





#10

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

Concen: 4.848 ug/L

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

Lab File: VU028267.D

Acq: 19 Nov 2018 20:01

Instrument :

MSVOA_U

ClientSampled :

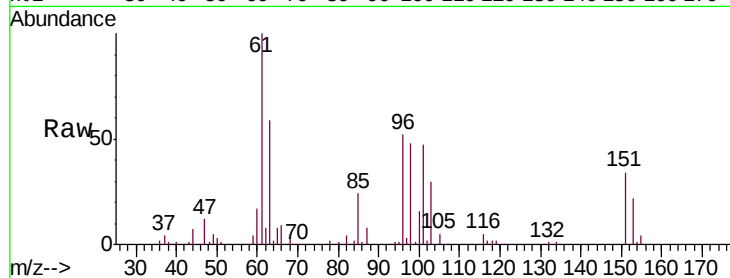
Tgt Ion: 101 Resp: 41802

Ion Ratio Lower Upper

101 100

85 45.2 37.4 56.2

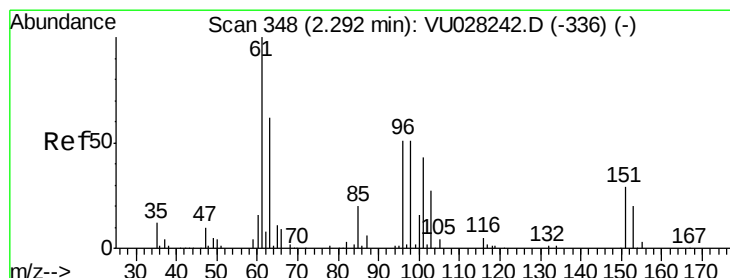
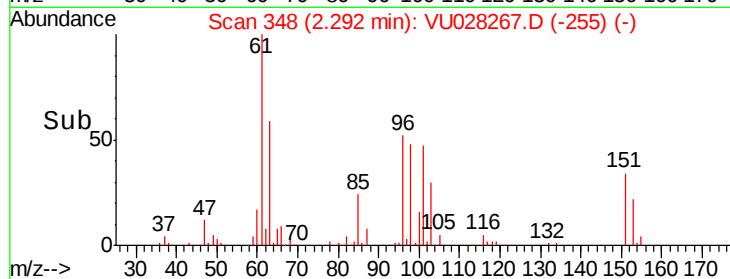
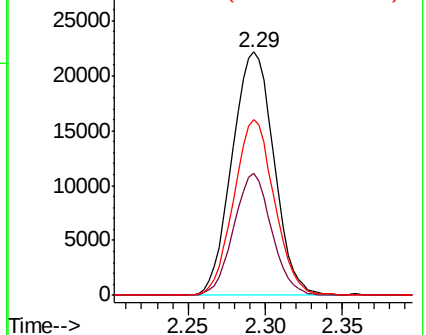
151 69.8 55.0 82.4



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: 4.926 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU028267.D

Acq: 19 Nov 2018 20:01

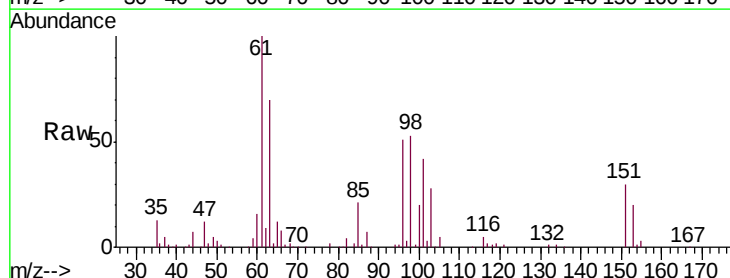
Tgt Ion: 96 Resp: 40200

Ion Ratio Lower Upper

96 100

61 196.9 145.5 270.1

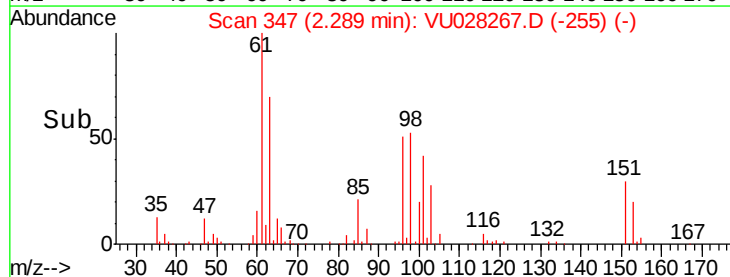
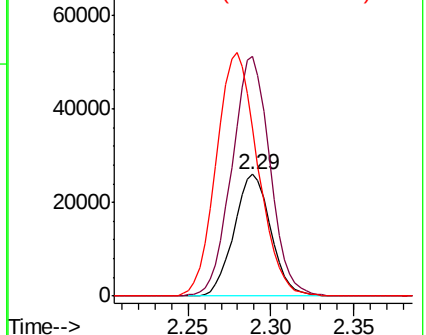
63 137.9 98.6 183.2

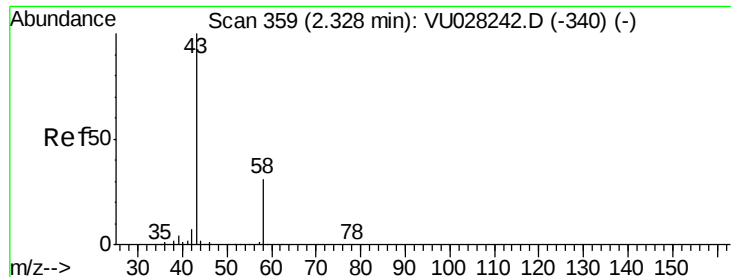


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 40.181 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU028267.D

Acq: 19 Nov 2018 20:01

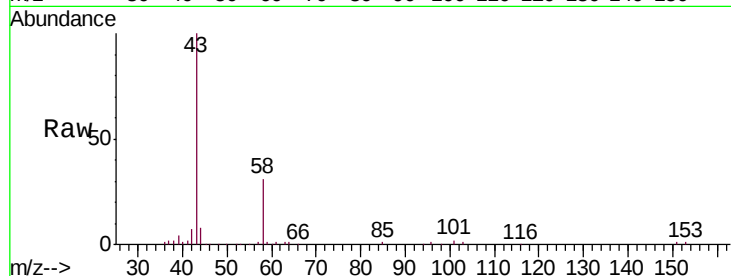
Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 92242

Ion Ratio Lower Upper

43 100

58 31.4 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU028242.D (-340) (-)

Ion 58.05 (57.75 to 58.75): VU028242.D (-340) (-)

2.32

60000

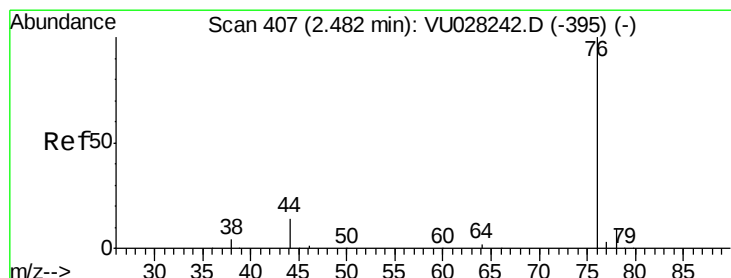
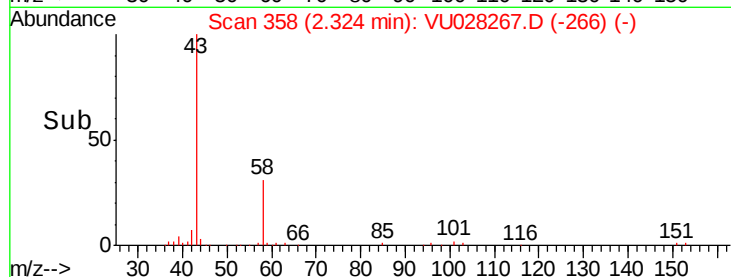
40000

20000

0

Time-->

2.25 2.30 2.35 2.40



#14

Carbon disulfide

Concen: 5.141 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU028267.D

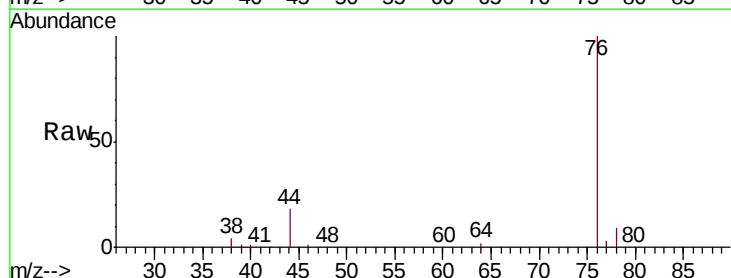
Acq: 19 Nov 2018 20:01

Tgt Ion: 76 Resp: 131732

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU028242.D (-395) (-)

Ion 78.00 (77.70 to 78.70): VU028242.D (-395) (-)

2.48

80000

60000

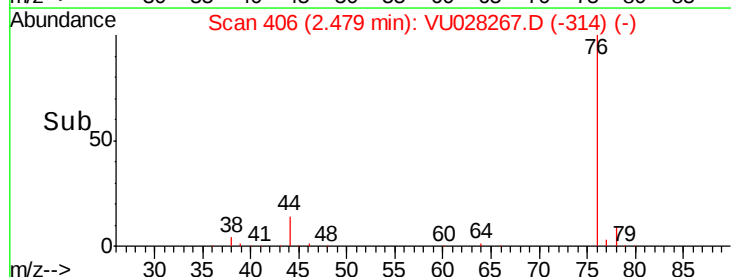
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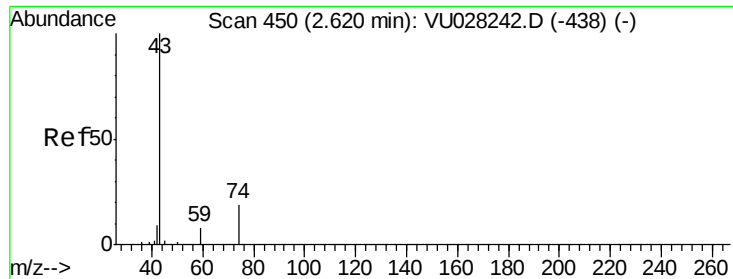
20000

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Time-->

2.40 2.45 2.50 2.55

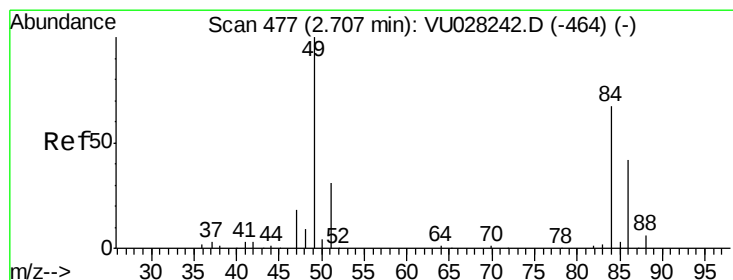
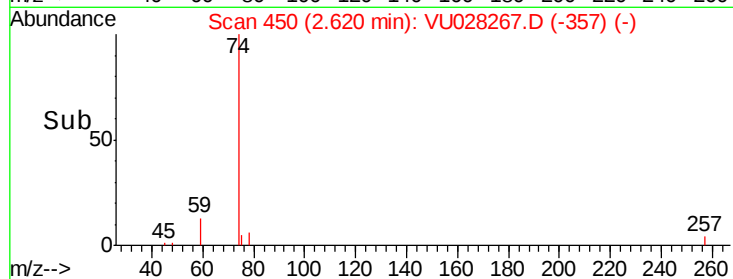
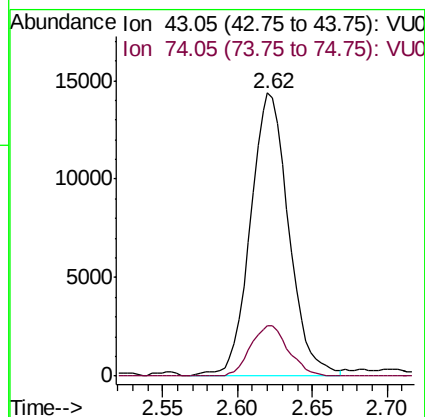
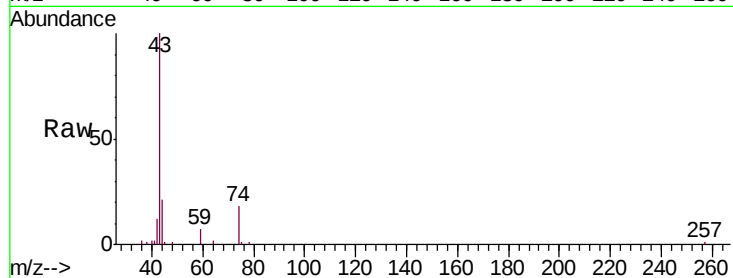




#15
Methyl Acetate
Concen: 4.215 ug/L
RT: 2.62 min Scan# 450
Delta R.T. 0.00 min
Lab File: VU028267.D
Acq: 19 Nov 2018 20:01

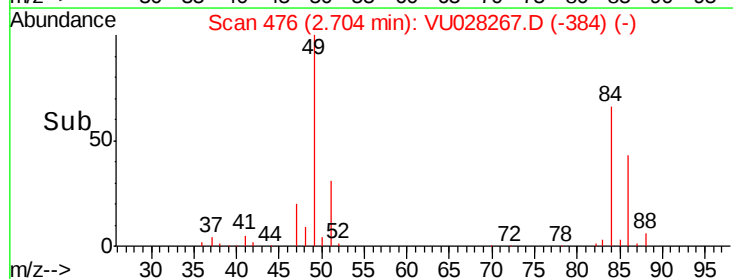
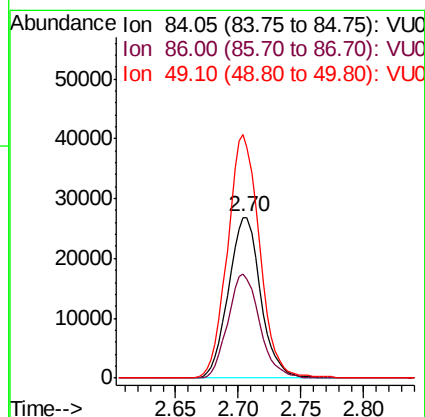
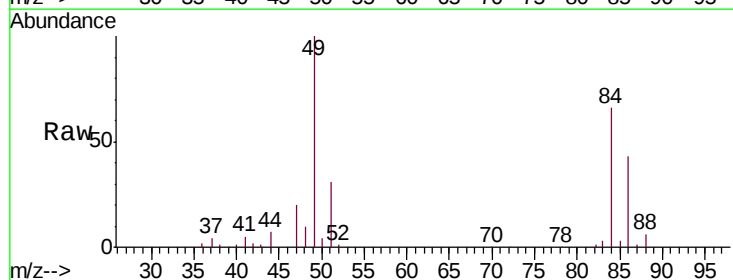
Instrument :
MSVOA_U
ClientSampleId :

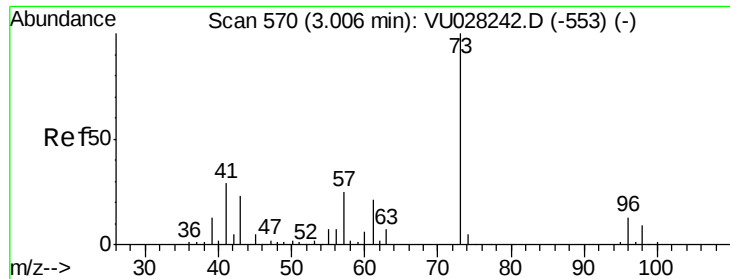
Tgt Ion: 43 Resp: 25649
Ion Ratio Lower Upper
43 100
74 17.6 14.7 22.1



#16
Methylene chloride
Concen: 4.648 ug/L
RT: 2.70 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU028267.D
Acq: 19 Nov 2018 20:01

Tgt Ion: 84 Resp: 47789
Ion Ratio Lower Upper
84 100
86 64.5 45.3 84.1
49 151.5 107.9 200.5

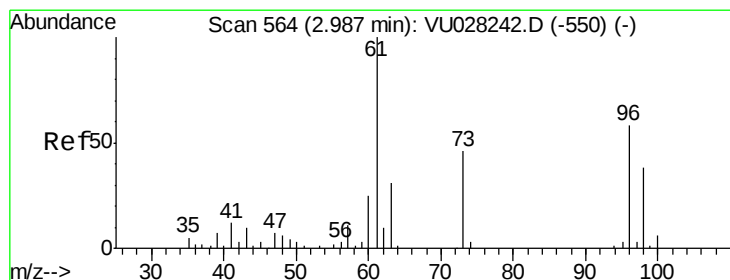
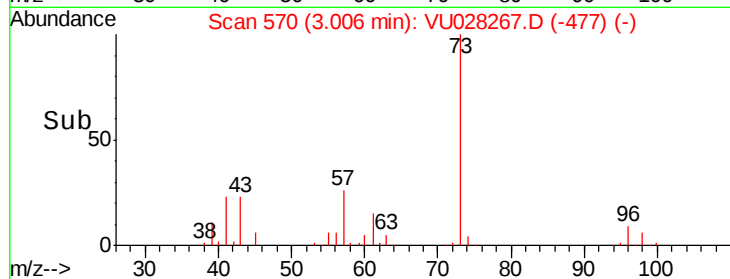
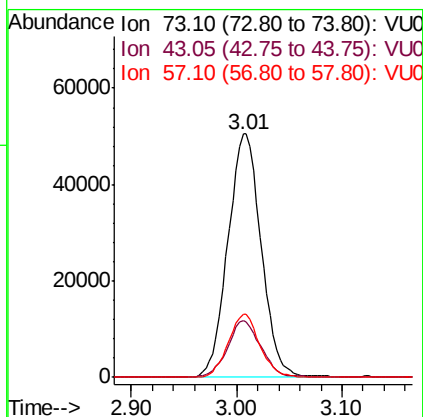
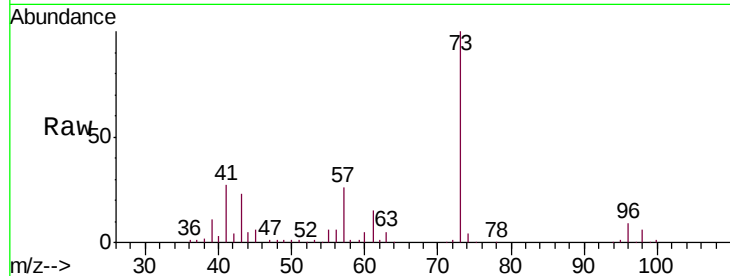




#17
Methyl tert-butyl Ether
Concen: 4.512 ug/L
RT: 3.01 min Scan# 570
Delta R.T. 0.00 min
Lab File: VU028267.D
Acq: 19 Nov 2018 20:01

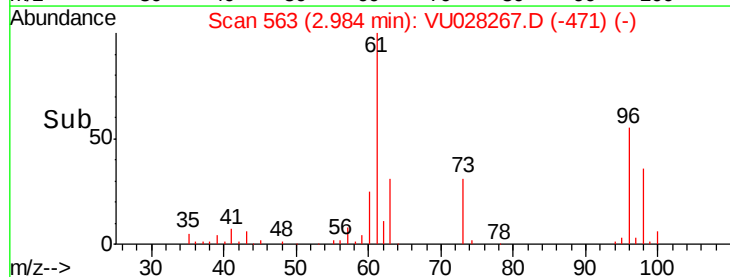
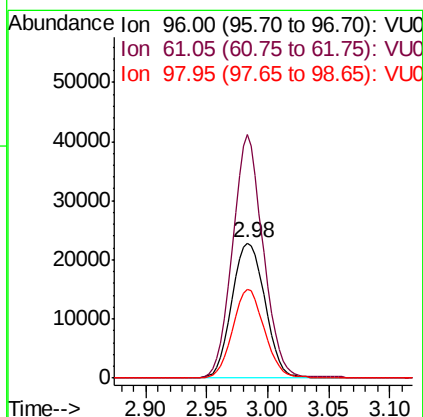
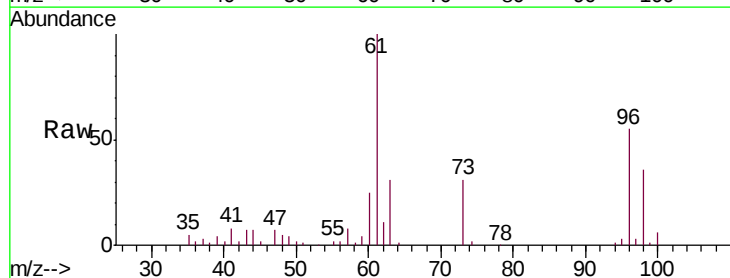
Instrument :
MSVOA_U
ClientSampleId :

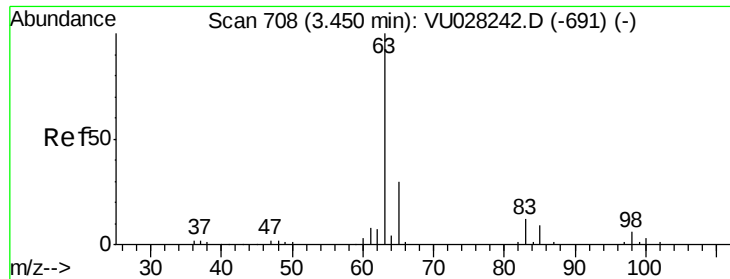
Tgt Ion: 73 Resp: 110603
Ion Ratio Lower Upper
73 100
43 23.3 18.8 28.2
57 24.5 19.2 28.8



#18
trans-1,2-Dichloroethene
Concen: 4.974 ug/L
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU028267.D
Acq: 19 Nov 2018 20:01

Tgt Ion: 96 Resp: 43241
Ion Ratio Lower Upper
96 100
61 180.3 122.2 227.0
98 65.6 44.9 83.5

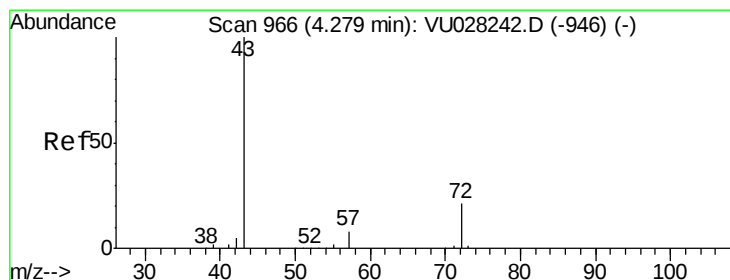
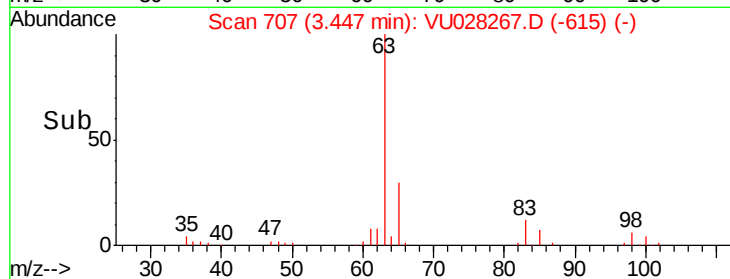
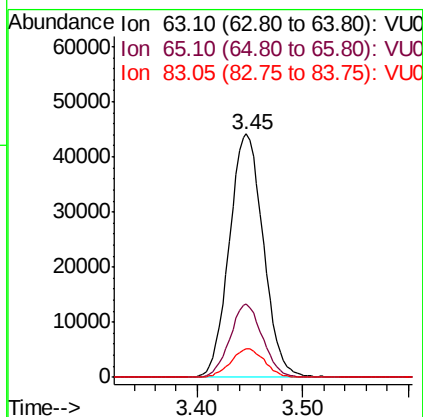
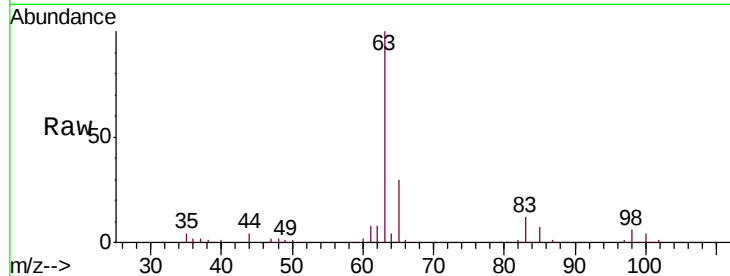




#19
 1,1-Dichloroethane
 Concen: 4.896 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU028267.D
 Acq: 19 Nov 2018 20:01

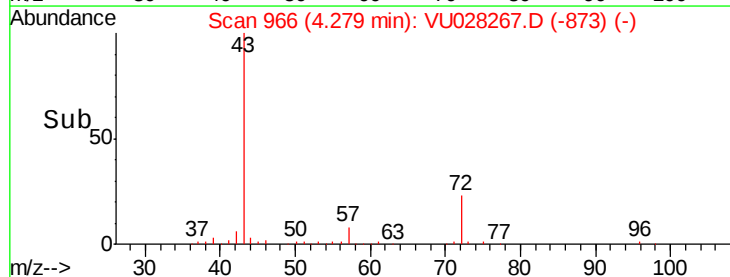
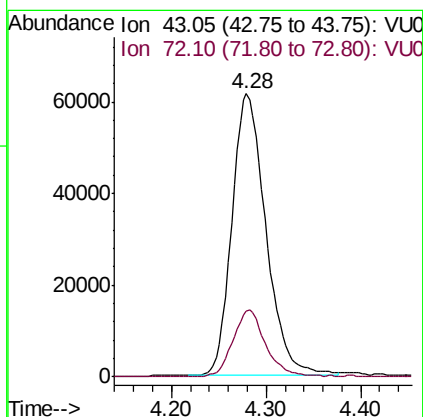
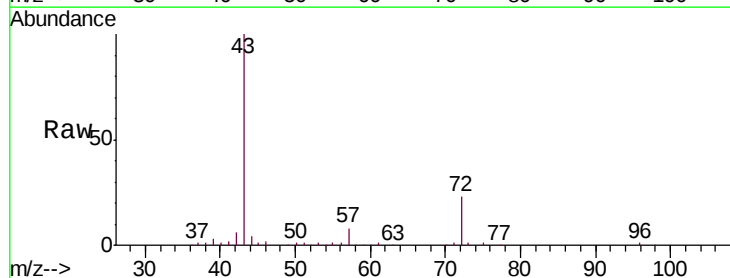
Instrument :
 MSVOA_U
 ClientSampled :

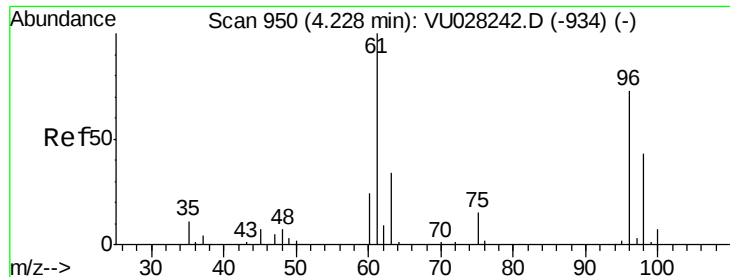
Tgt Ion: 63 Resp: 98699
 Ion Ratio Lower Upper
 63 100
 65 29.9 21.2 39.4
 83 11.8 8.8 16.4



#21
 2-Butanone
 Concen: 42.013 ug/L
 RT: 4.28 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VU028267.D
 Acq: 19 Nov 2018 20:01

Tgt Ion: 43 Resp: 153585
 Ion Ratio Lower Upper
 43 100
 72 22.3 10.7 32.1





#22

cis-1,2-Dichloroethene

Concen: 4.777 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028267.D

Acq: 19 Nov 2018 20:01

Instrument :

MSVOA_U

ClientSampleId :

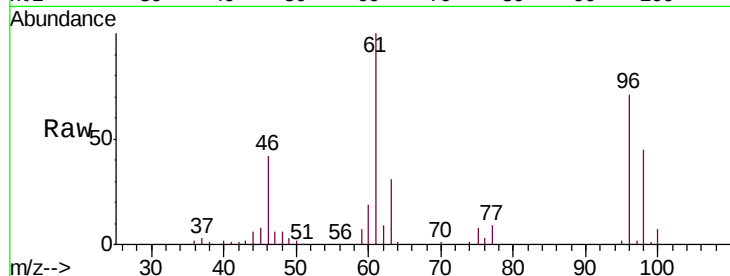
Tgt Ion: 96 Resp: 49084

Ion Ratio Lower Upper

96 100

61 141.3 108.0 200.6

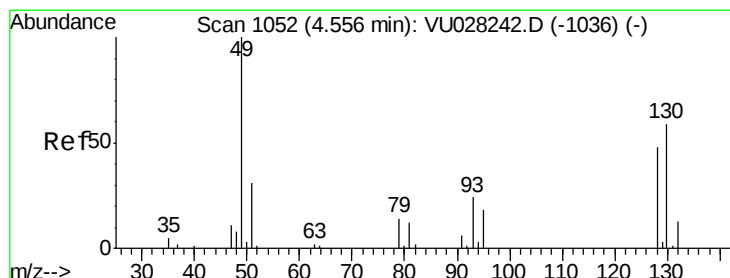
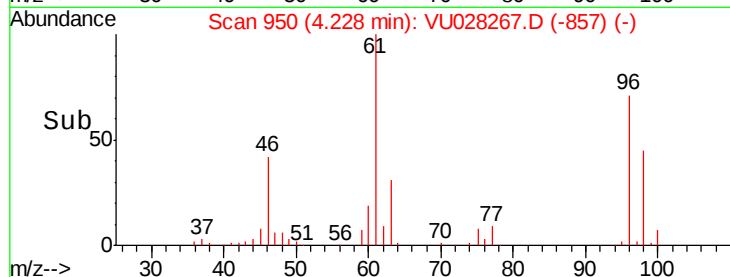
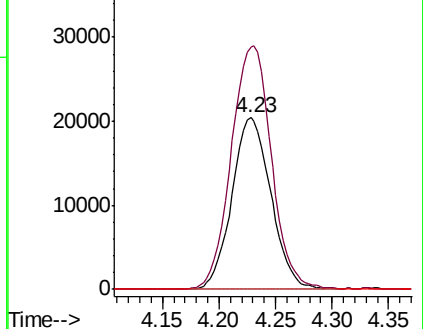
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU028242.D (-934) (-)

Ion 61.05 (60.75 to 61.75): VU028242.D (-934) (-)

Ion 68.15 (67.85 to 68.85): VU028242.D (-934) (-)



#23

Bromochloromethane

Concen: 4.821 ug/L

RT: 4.55 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VU028267.D

Acq: 19 Nov 2018 20:01

Tgt Ion: 128 Resp: 19384

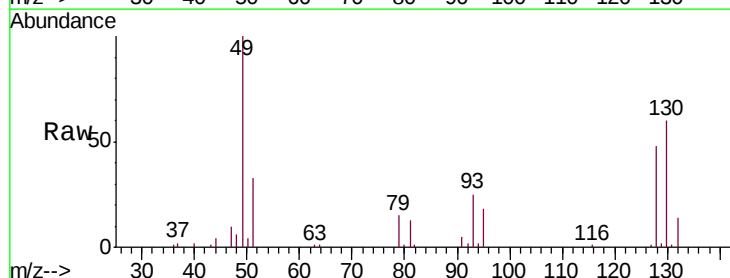
Ion Ratio Lower Upper

128 100

49 206.8 162.0 300.8

130 123.6 87.7 162.9

51 68.8 57.6 86.4

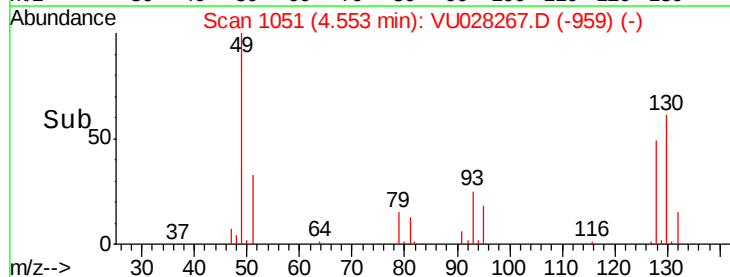
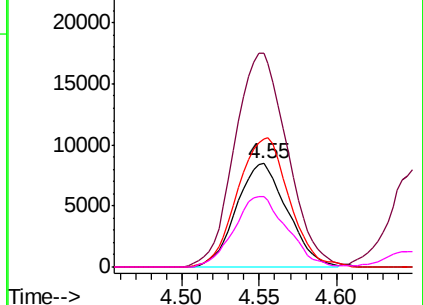


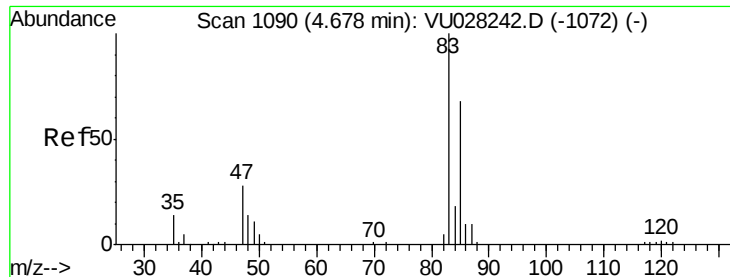
Abundance Ion 127.90 (127.60 to 128.60): VU028242.D (-1036) (-)

Ion 49.10 (48.80 to 49.80): VU028242.D (-1036) (-)

Ion 129.95 (129.65 to 130.65): VU028242.D (-1036) (-)

Ion 51.05 (50.75 to 51.75): VU028242.D (-1036) (-)

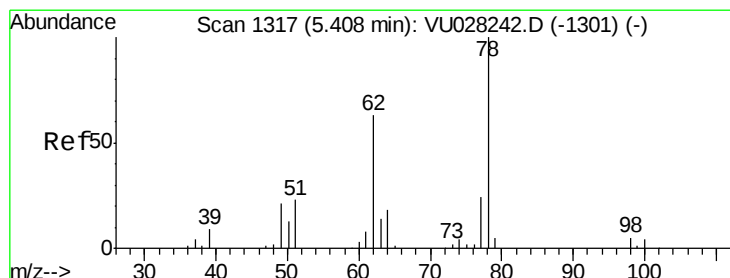
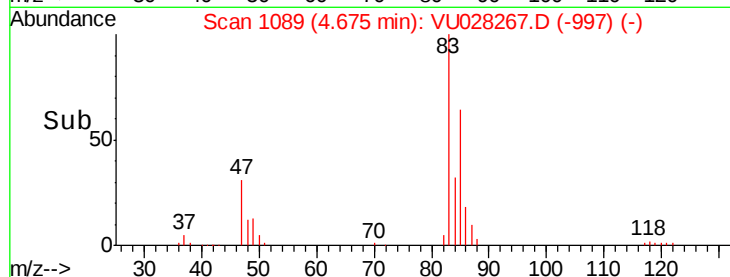
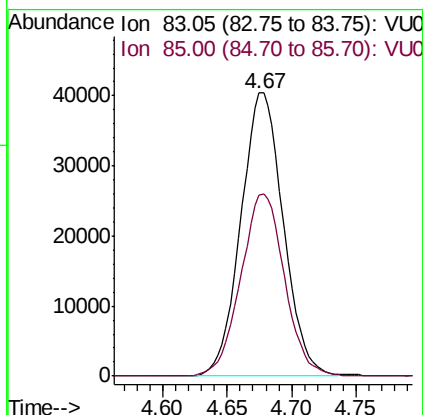
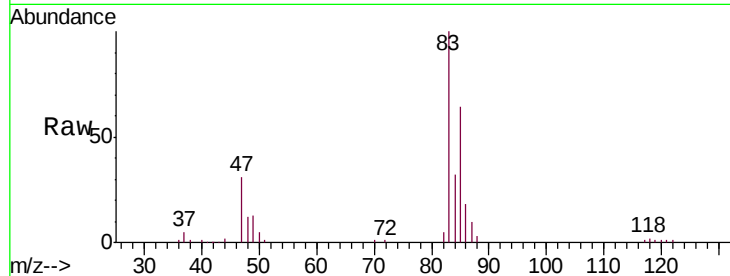




#25
Chloroform
Concen: 4.253 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU028267.D
Acq: 19 Nov 2018 20:01

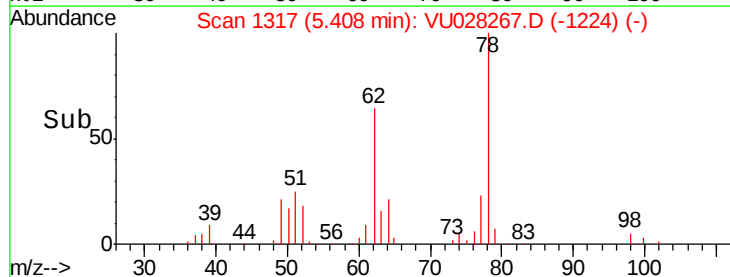
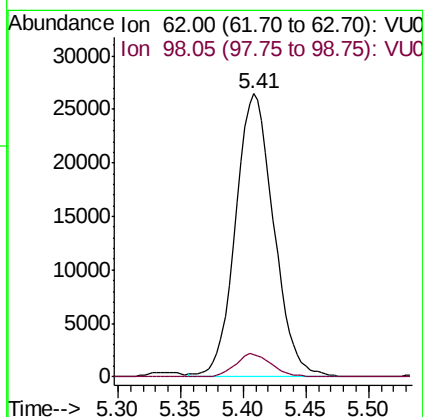
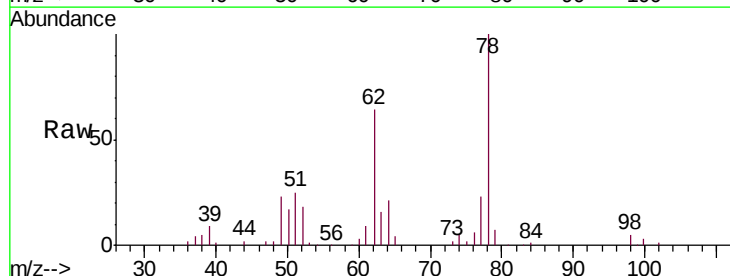
Instrument :
MSVOA_U
ClientSampleId :

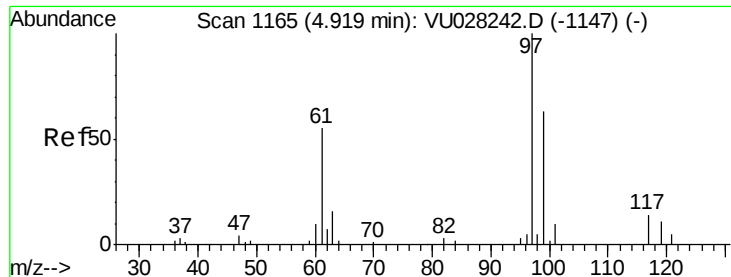
Tgt Ion: 83 Resp: 92777
Ion Ratio Lower Upper
83 100
85 64.0 44.6 82.8



#27
1,2-Dichloroethane
Concen: 4.501 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU028267.D
Acq: 19 Nov 2018 20:01

Tgt Ion: 62 Resp: 56117
Ion Ratio Lower Upper
62 100
98 8.0 6.2 9.4

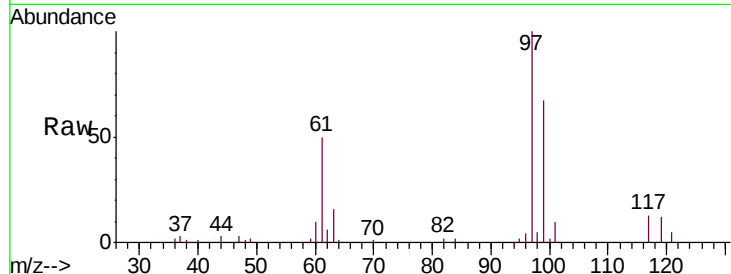




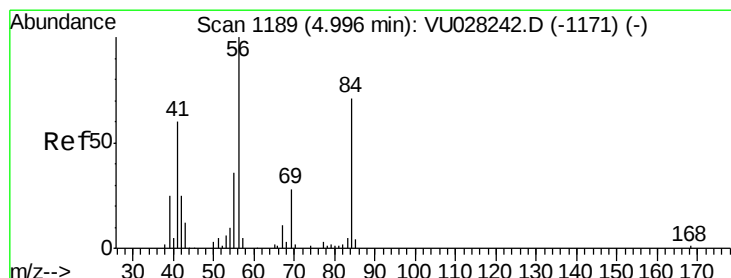
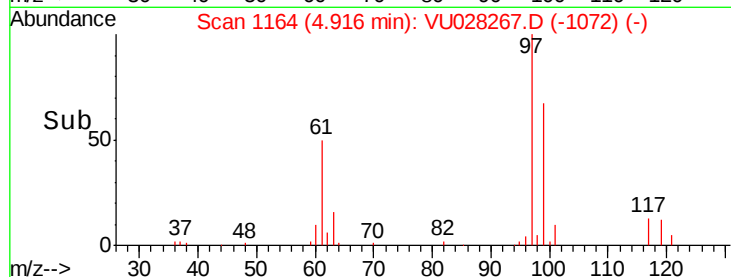
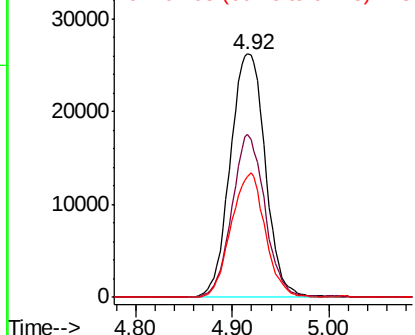
#29
 1,1,1-Trichloroethane
 Concen: 4.463 ug/L
 RT: 4.92 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: VU028267.D
 Acq: 19 Nov 2018 20:01

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion: 97 Resp: 65952
 Ion Ratio Lower Upper
 97 100
 99 63.2 50.8 76.2
 61 49.5 42.6 64.0

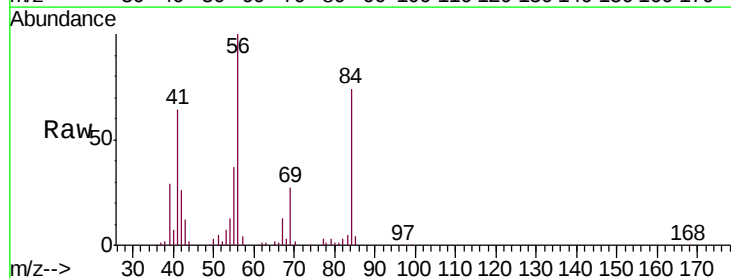


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

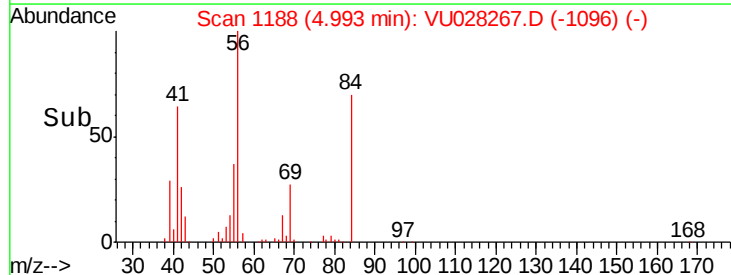
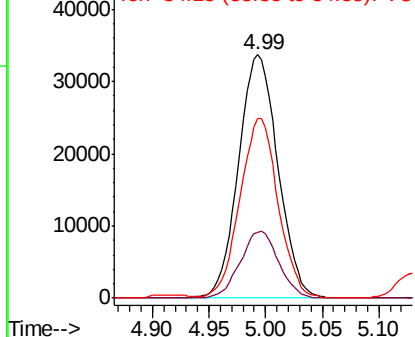


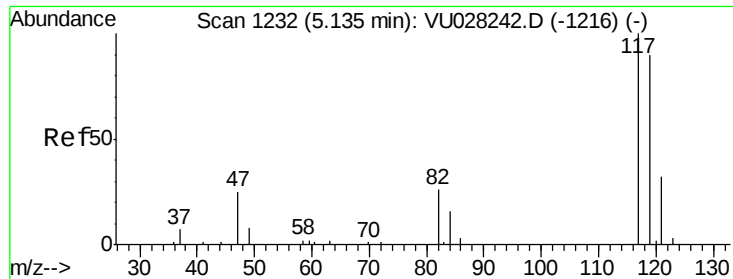
#30
 Cyclohexane
 Concen: 4.230 ug/L
 RT: 4.99 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU028267.D
 Acq: 19 Nov 2018 20:01

Tgt Ion: 56 Resp: 81798
 Ion Ratio Lower Upper
 56 100
 69 26.7 22.0 33.0
 84 71.5 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

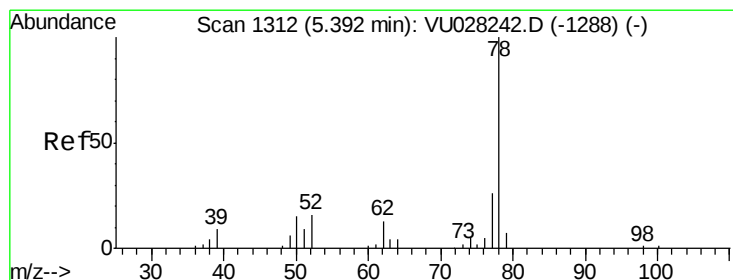
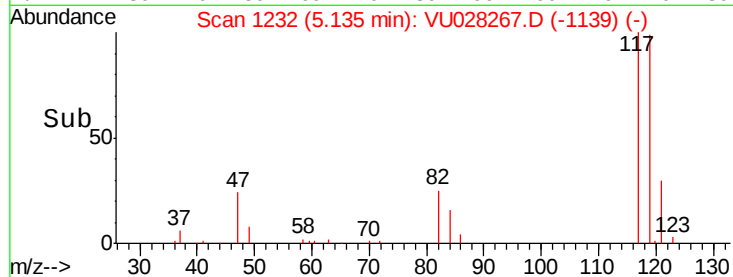
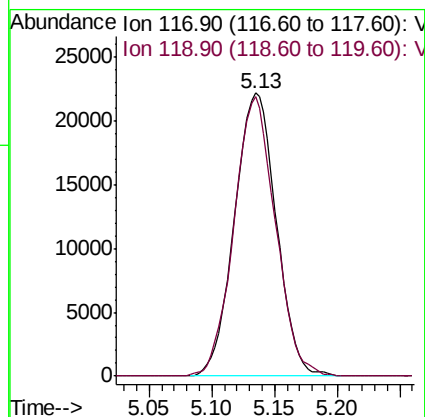
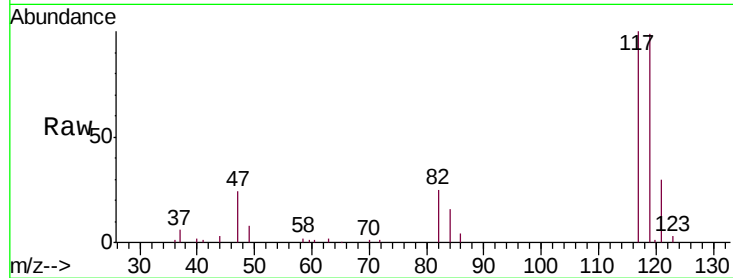




#31
Carbon tetrachloride
Concen: 4.239 ug/L
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU028267.D
Acq: 19 Nov 2018 20:01

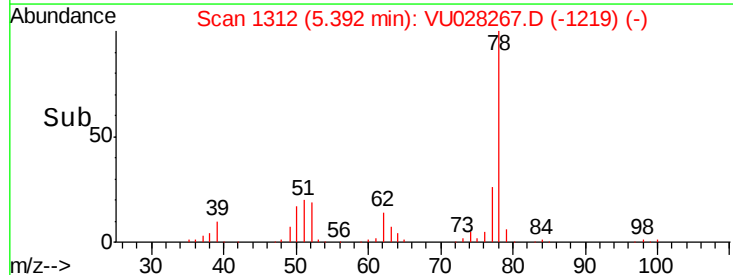
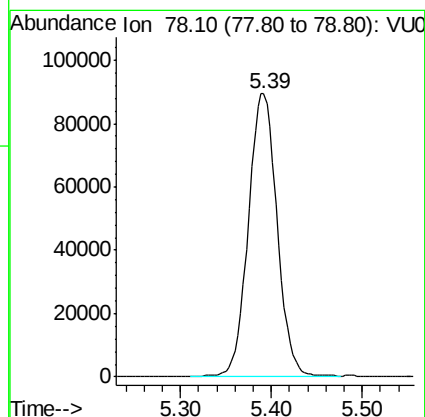
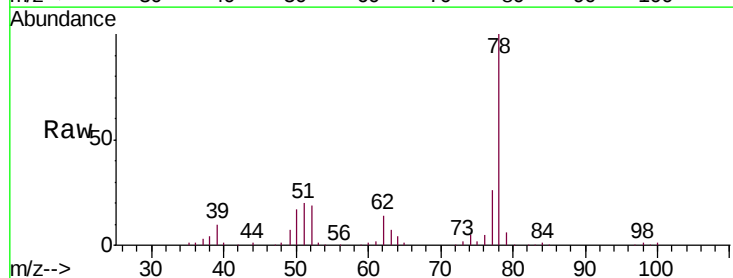
Instrument :
MSVOA_U
ClientSampleId :

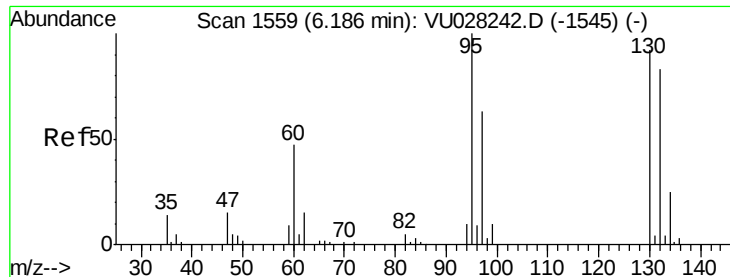
Tgt Ion:117 Resp: 51389
Ion Ratio Lower Upper
117 100
119 97.8 75.6 113.4



#33
Benzene
Concen: 4.547 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU028267.D
Acq: 19 Nov 2018 20:01

Tgt Ion: 78 Resp: 196658





#34

Trichloroethene

Concen: 4.516 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028267.D

Acq: 19 Nov 2018 20:01

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 47813

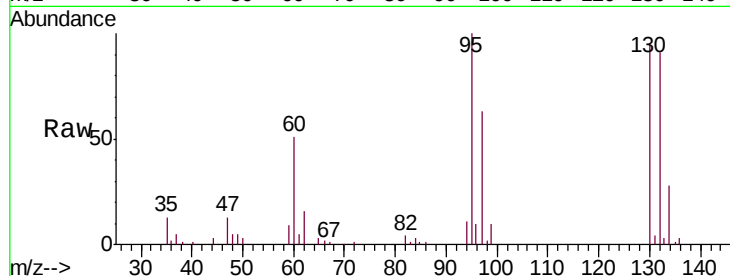
Ion Ratio Lower Upper

95 100

97 63.0 46.5 86.3

132 90.9 58.9 109.3

130 95.1 61.3 113.9

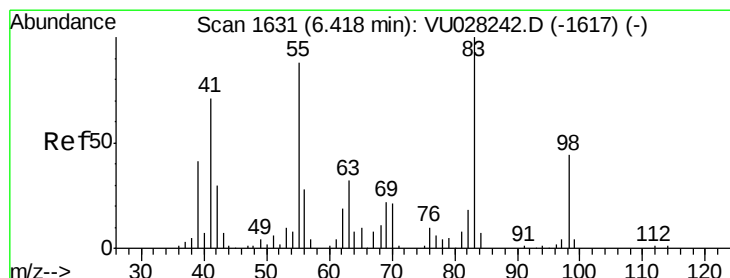
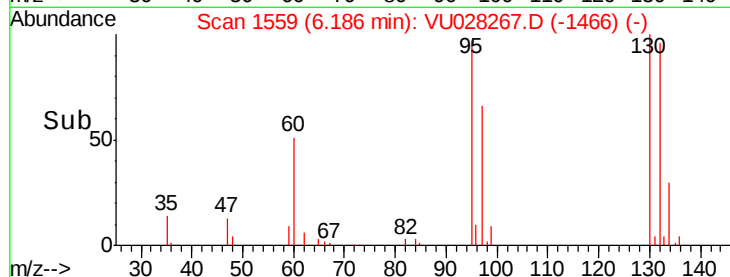
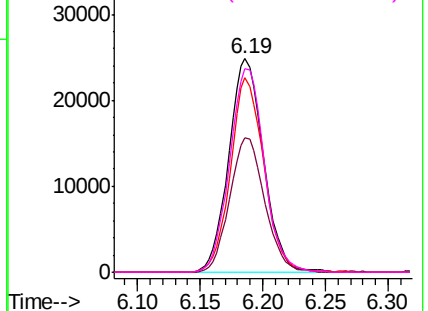


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.425 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU028267.D

Acq: 19 Nov 2018 20:01

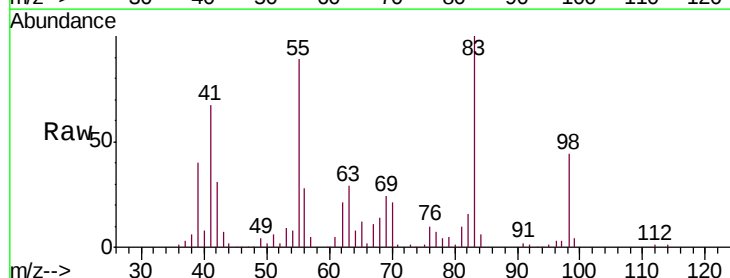
Tgt Ion: 83 Resp: 73820

Ion Ratio Lower Upper

83 100

55 88.8 73.2 109.8

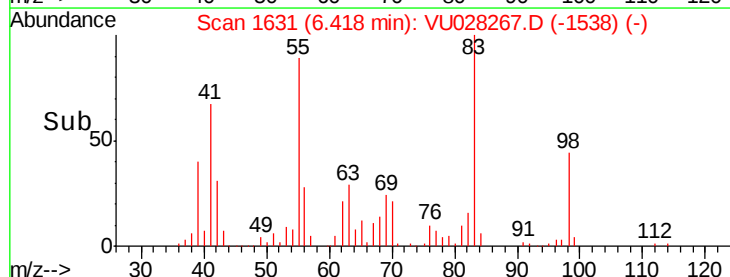
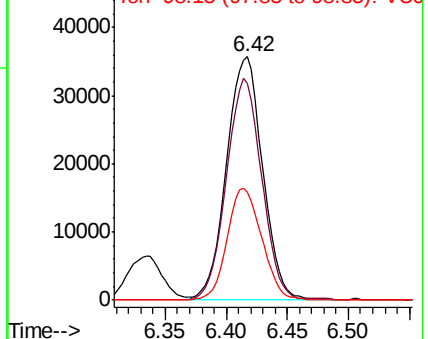
98 44.0 33.4 50.2

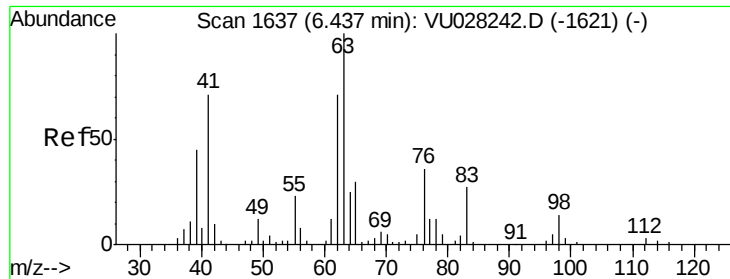


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

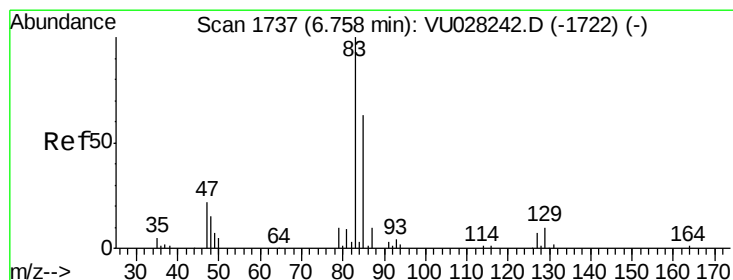
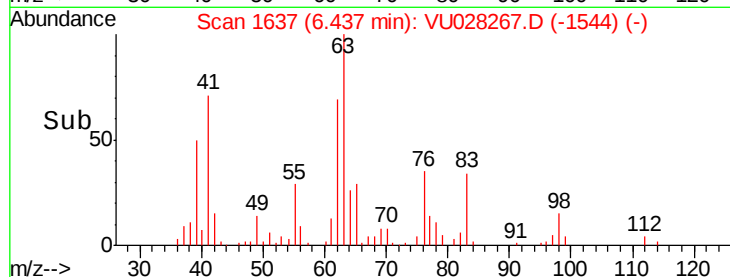
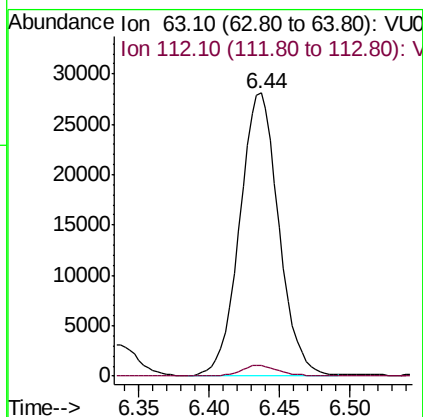
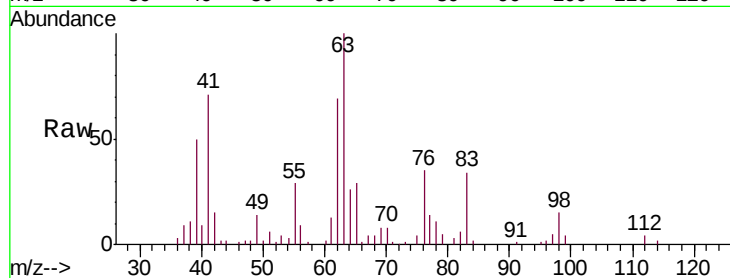




#37
 1,2-Dichloropropane
 Concen: 4.430 ug/L
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU028267.D
 Acq: 19 Nov 2018 20:01

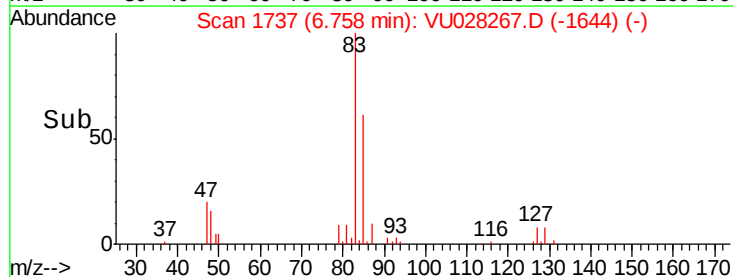
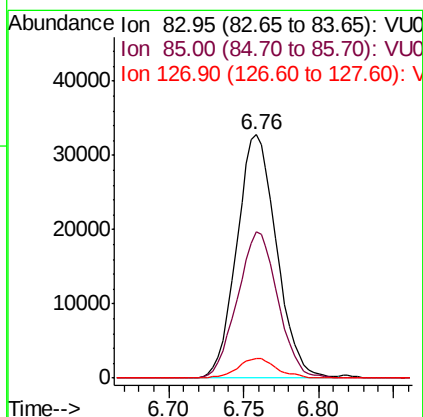
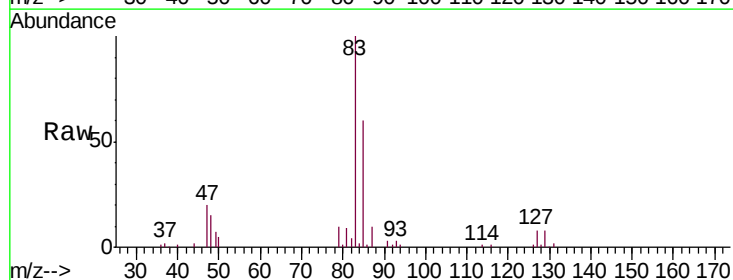
Instrument :
 MSVOA_U
 ClientSampleId :

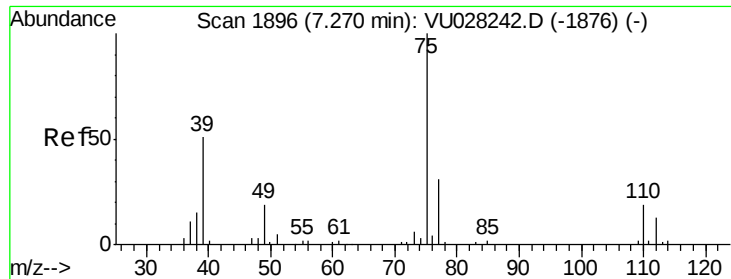
Tgt Ion: 63 Resp: 54671
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.2 3.2#



#38
 Bromodichloromethane
 Concen: 4.505 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU028267.D
 Acq: 19 Nov 2018 20:01

Tgt Ion: 83 Resp: 60627
 Ion Ratio Lower Upper
 83 100
 85 59.9 44.2 82.0
 127 8.0 6.2 9.4

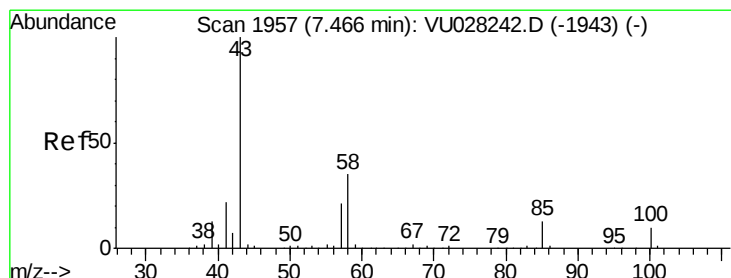
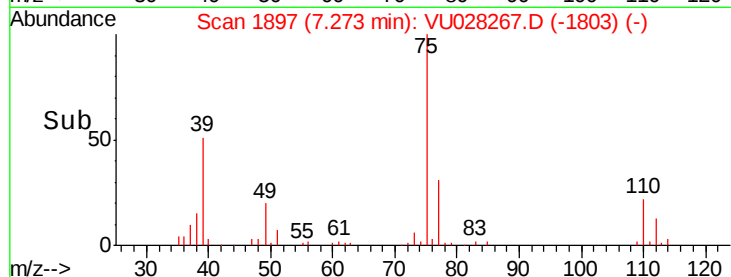
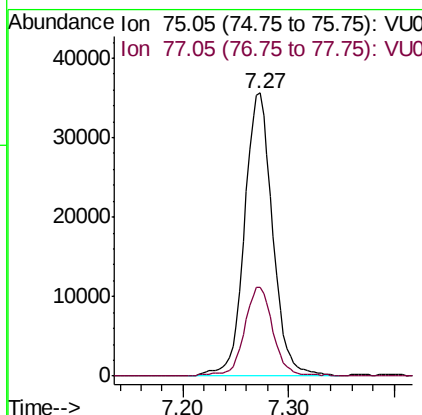
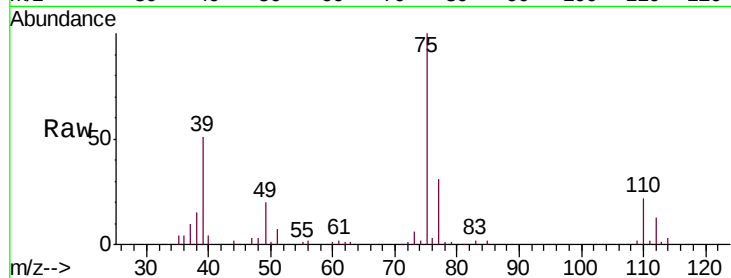




#39
 cis-1,3-Dichloropropene
 Concen: 4.233 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU028267.D
 Acq: 19 Nov 2018 20:01

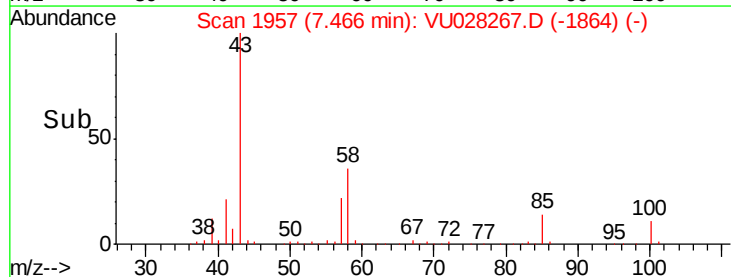
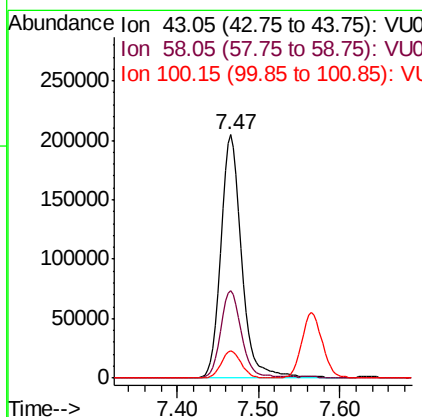
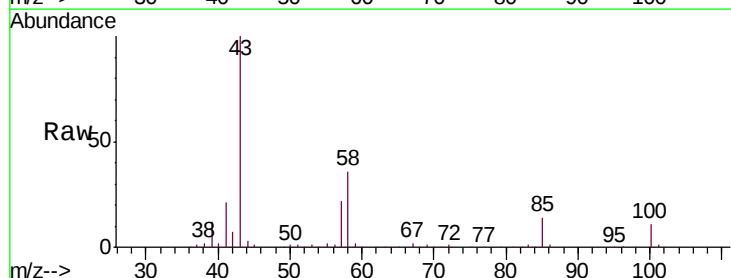
Instrument :
 MSVOA_U
 ClientSampleId :

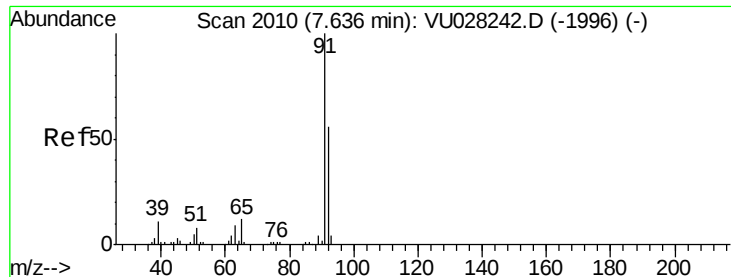
Tgt Ion: 75 Resp: 66205
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 42.167 ug/L
 RT: 7.47 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU028267.D
 Acq: 19 Nov 2018 20:01

Tgt Ion: 43 Resp: 372032
 Ion Ratio Lower Upper
 43 100
 58 35.8 28.8 43.2
 100 10.9 8.0 12.0





#42

Toluene

Concen: 4.641 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028267.D

Acq: 19 Nov 2018 20:01

Instrument :

MSVOA_U

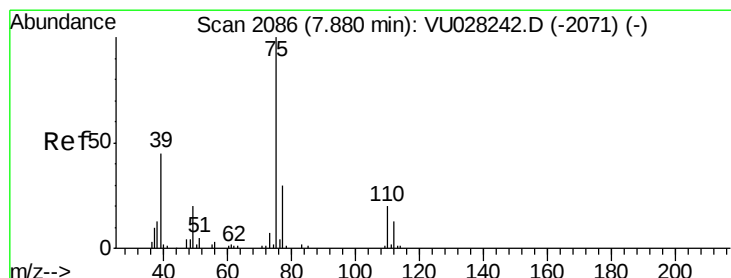
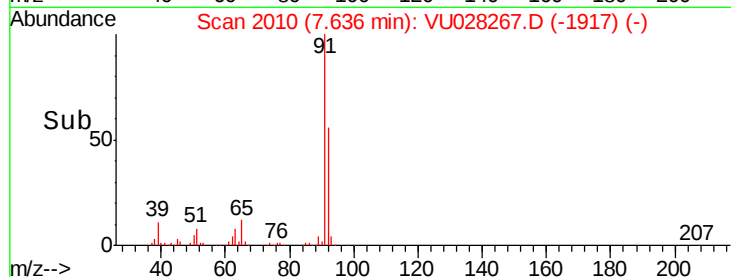
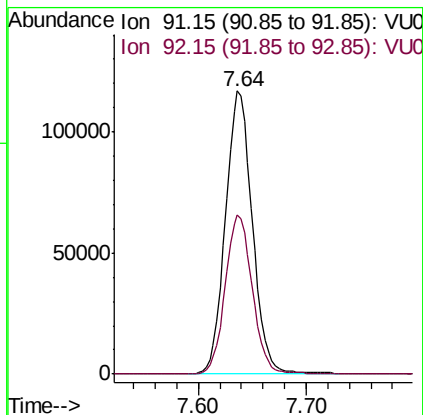
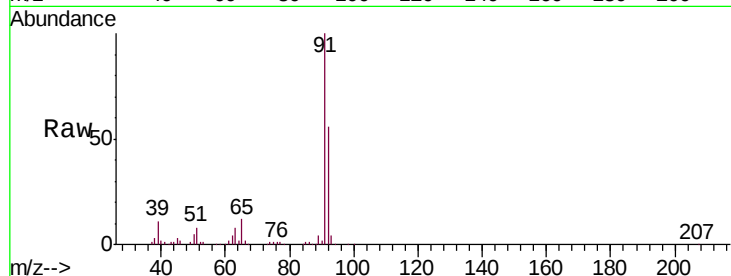
ClientSampleId :

Tgt Ion: 91 Resp: 203440

Ion Ratio Lower Upper

91 100

92 56.1 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 4.254 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028267.D

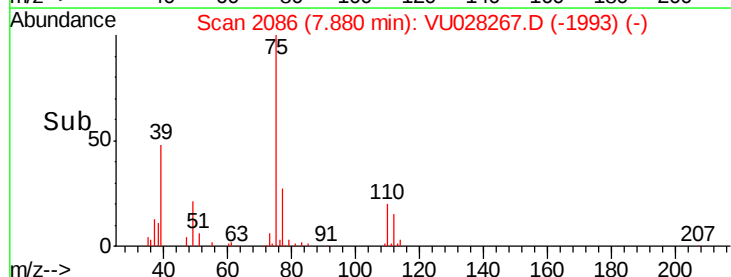
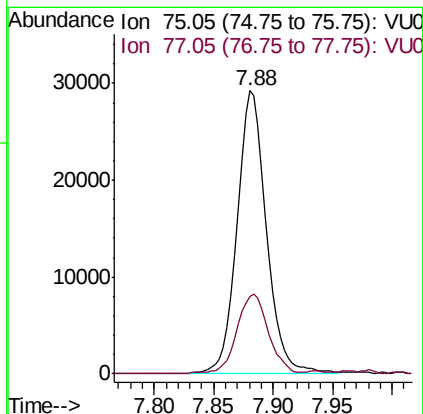
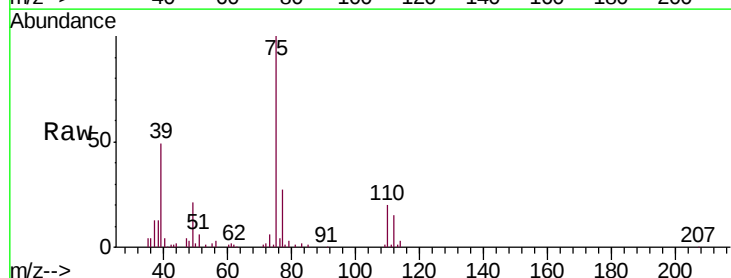
Acq: 19 Nov 2018 20:01

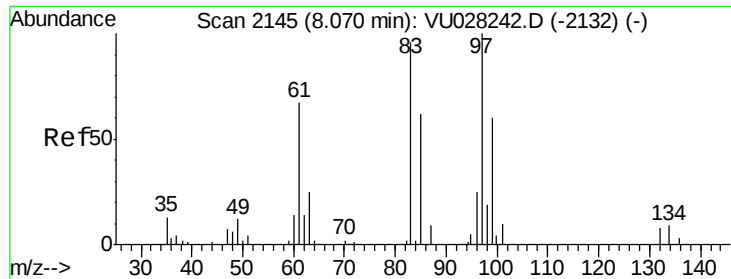
Tgt Ion: 75 Resp: 50052

Ion Ratio Lower Upper

75 100

77 27.4 21.8 40.6





#45

1,1,2-Trichloroethane

Concen: 4.609 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU028267.D

Acq: 19 Nov 2018 20:01

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 34367

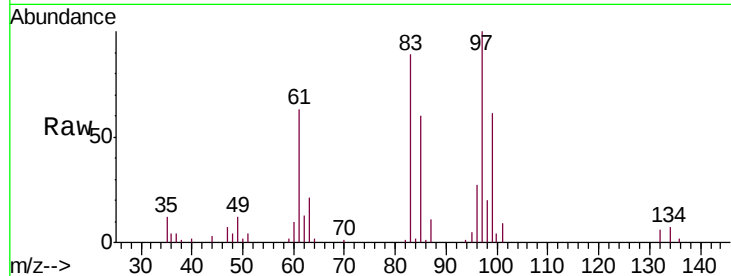
Ion Ratio Lower Upper

97 100

99 60.7 44.2 82.0

83 88.9 63.3 117.5

85 60.3 41.9 77.9



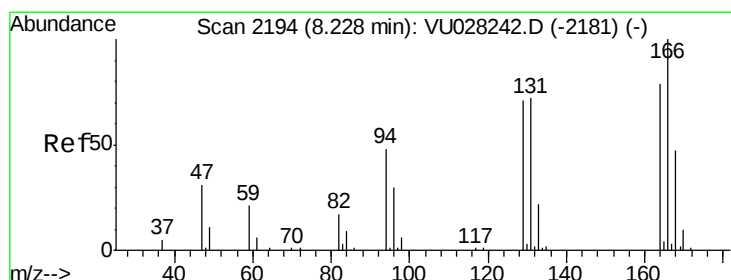
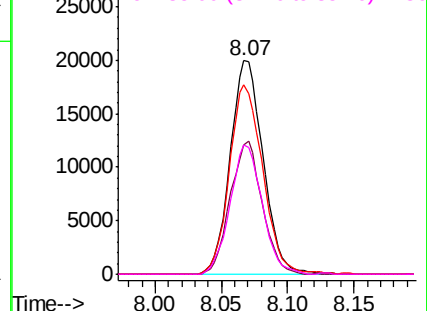
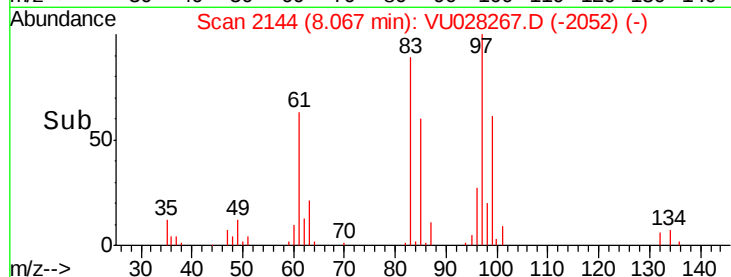
Abundance

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: 4.520 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU028267.D

Acq: 19 Nov 2018 20:01

Tgt Ion: 164 Resp: 33224

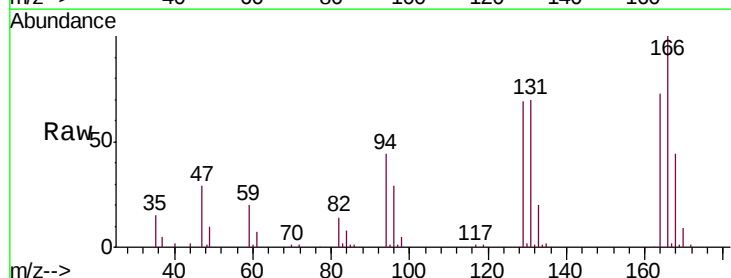
Ion Ratio Lower Upper

164 100

129 95.1 67.6 125.6

131 95.5 66.3 123.1

166 137.3 89.2 165.6



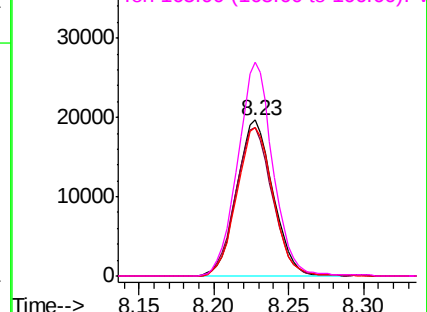
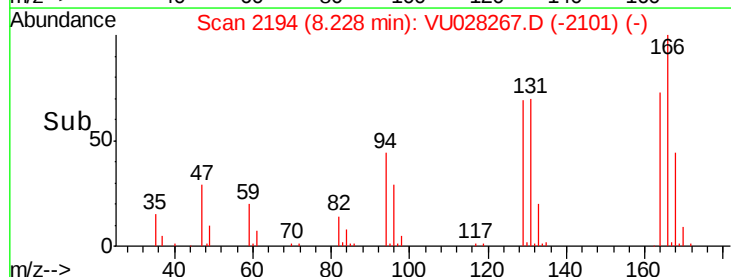
Abundance

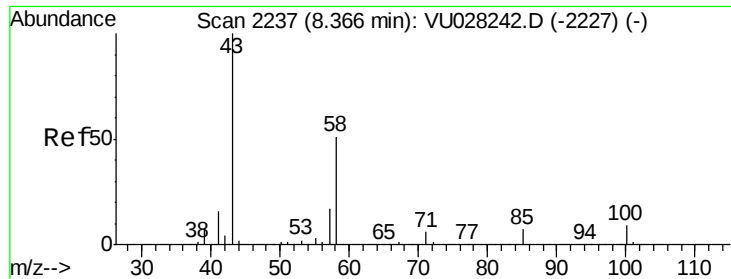
Ion 163.90 (163.60 to 164.60): V

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

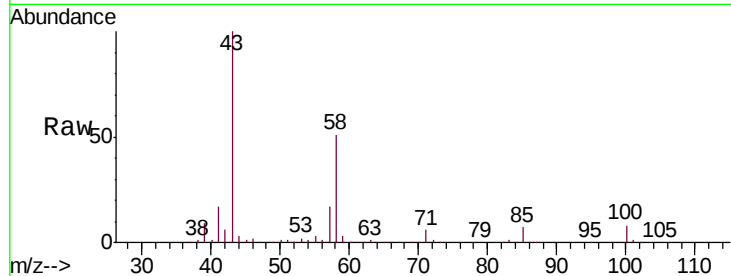




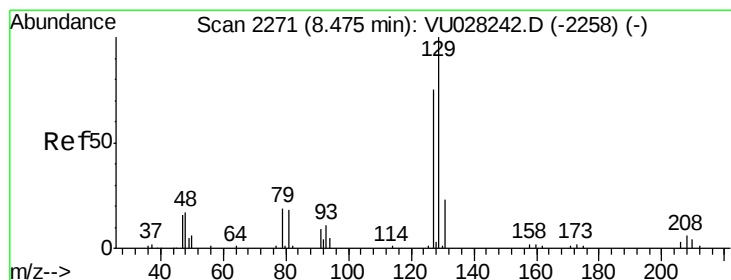
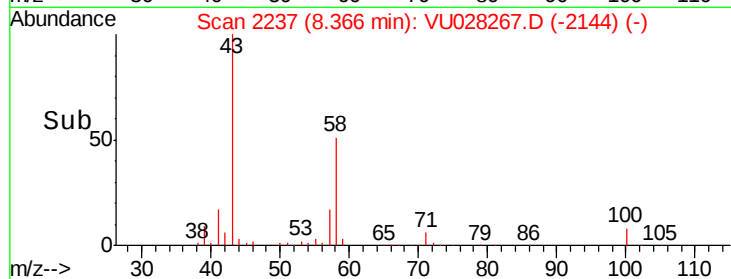
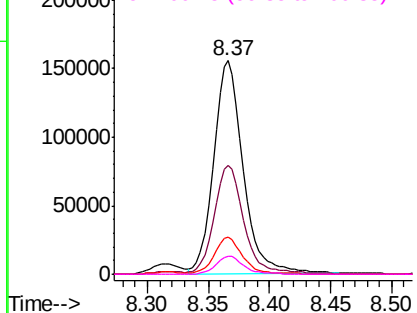
#48
2-Hexanone
Concen: 41.797 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU028267.D
Acq: 19 Nov 2018 20:01

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 43 Resp: 262923
Ion Ratio Lower Upper
43 100
58 51.6 41.1 61.7
57 16.5 13.8 20.8
100 7.8 6.5 9.7

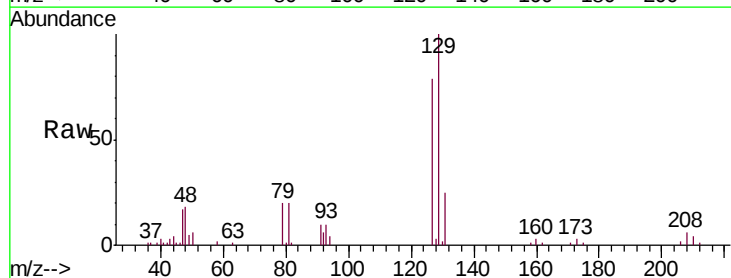


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

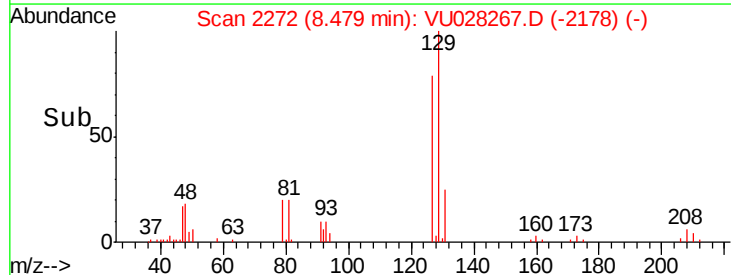
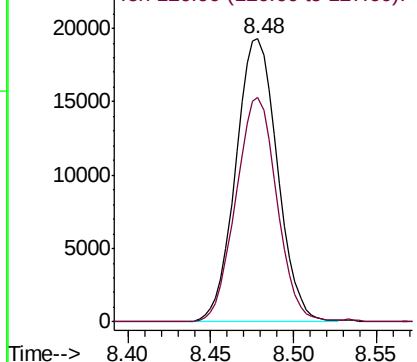


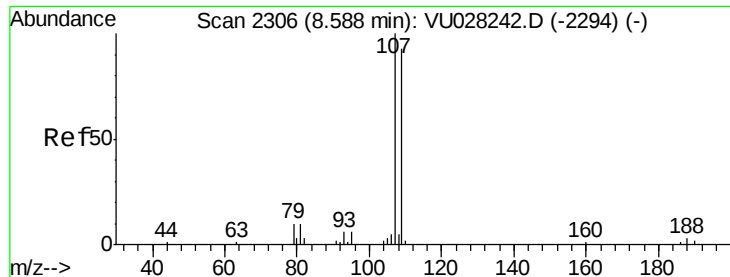
#49
Dibromochloromethane
Concen: 4.483 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU028267.D
Acq: 19 Nov 2018 20:01

Tgt Ion: 129 Resp: 33837
Ion Ratio Lower Upper
129 100
127 79.3 54.7 101.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

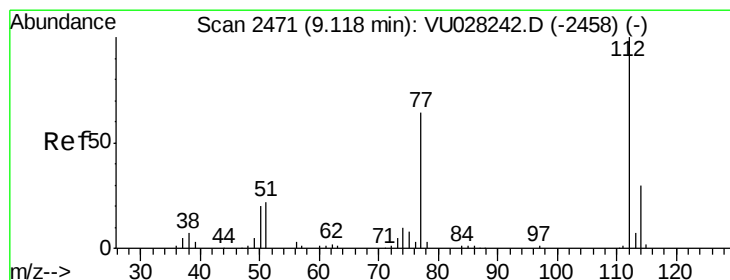
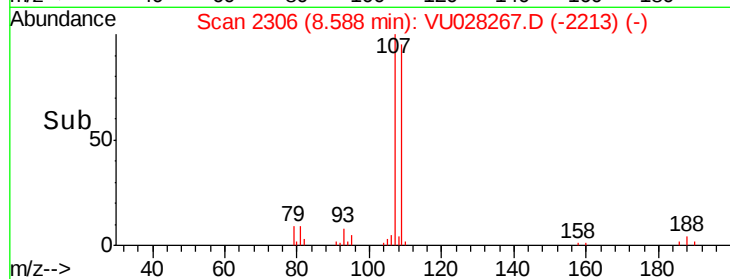
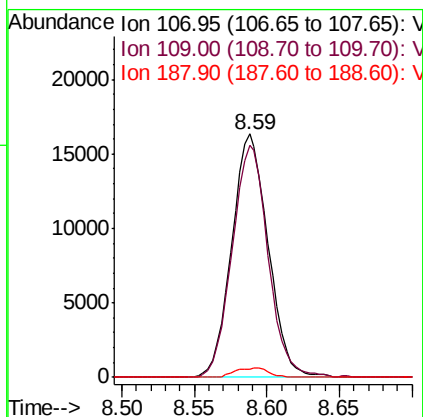
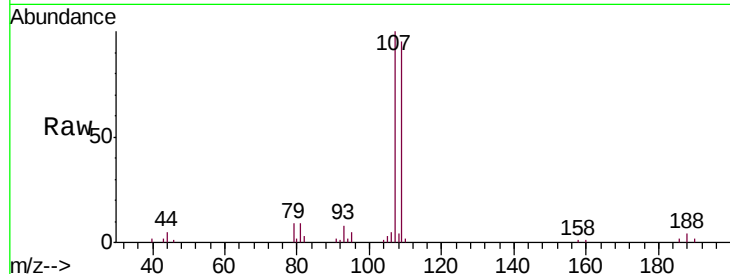




#50
 1,2-Dibromoethane
 Concen: 4.221 ug/L
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU028267.D
 Acq: 19 Nov 2018 20:01

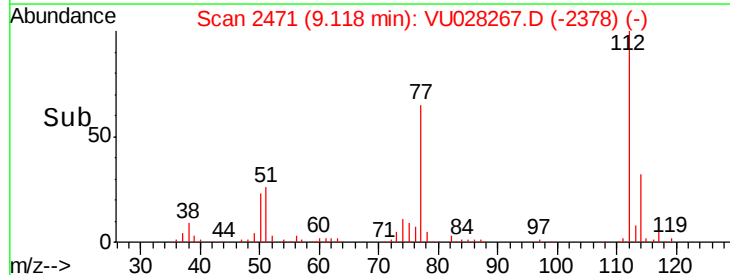
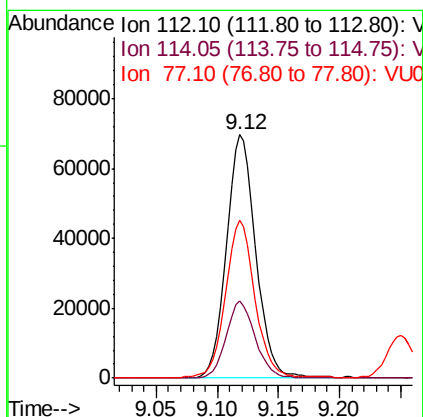
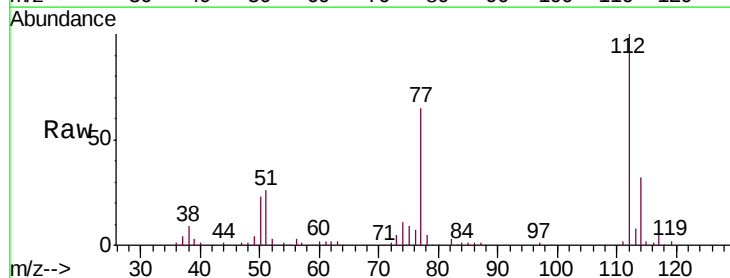
Instrument :
 MSVOA_U
 ClientSampleId :

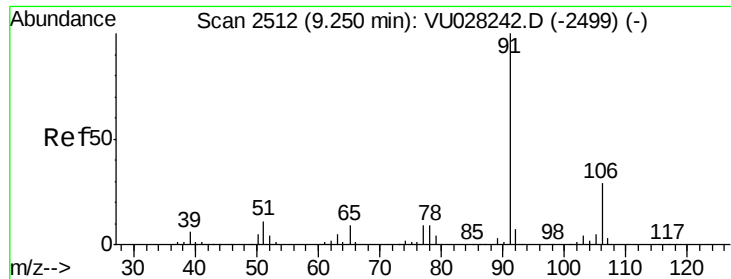
Tgt Ion:107 Resp: 28448
 Ion Ratio Lower Upper
 107 100
 109 95.2 63.7 118.3
 188 3.6 2.5 3.7



#51
 Chlorobenzene
 Concen: 4.655 ug/L
 RT: 9.12 min Scan# 2471
 Delta R.T. 0.00 min
 Lab File: VU028267.D
 Acq: 19 Nov 2018 20:01

Tgt Ion:112 Resp: 117518
 Ion Ratio Lower Upper
 112 100
 114 31.5 22.3 41.5
 77 64.8 52.4 78.6





#52

Ethylbenzene

Concen: 4.625 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028267.D

Acq: 19 Nov 2018 20:01

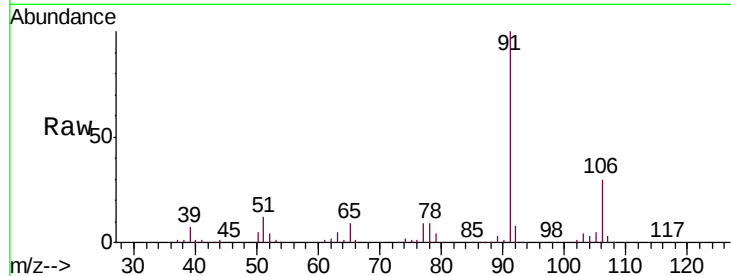
Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 91 Resp: 218173

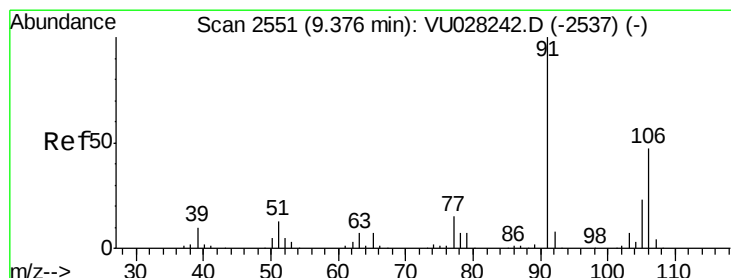
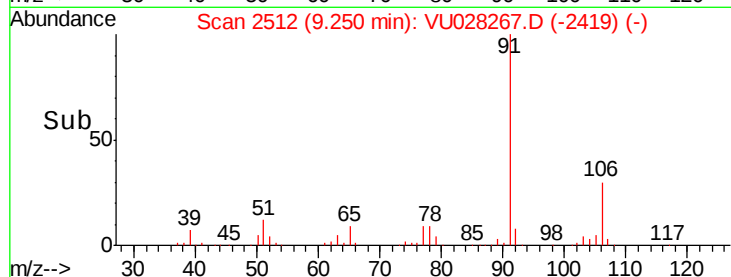
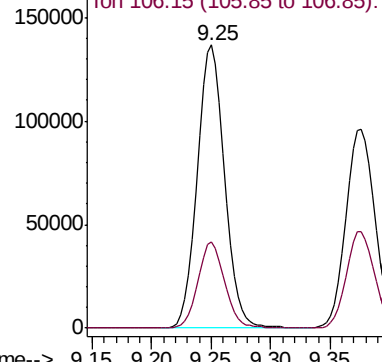
Ion Ratio Lower Upper

91 100

106 30.4 19.3 35.9



Abundance Ion 91.15 (90.85 to 91.85): VU028242.D (-2499) (-)



#53

m,p-xylene

Concen: 4.674 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU028267.D

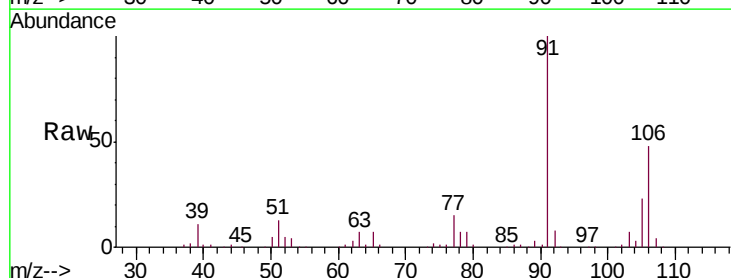
Acq: 19 Nov 2018 20:01

Tgt Ion: 106 Resp: 76499

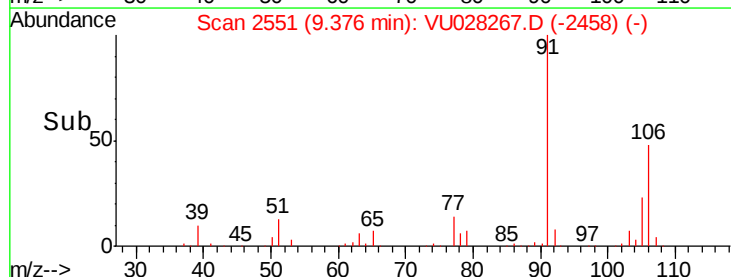
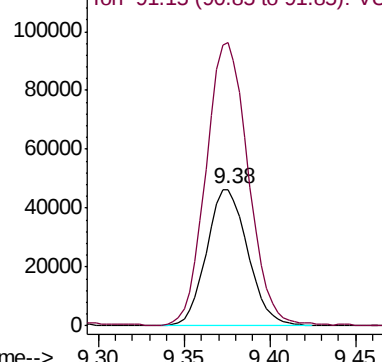
Ion Ratio Lower Upper

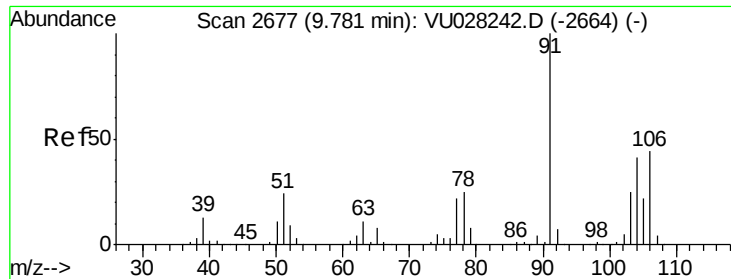
106 100

91 207.1 150.6 279.6



Abundance Ion 106.15 (105.85 to 106.85): VU028242.D (-2537) (-)

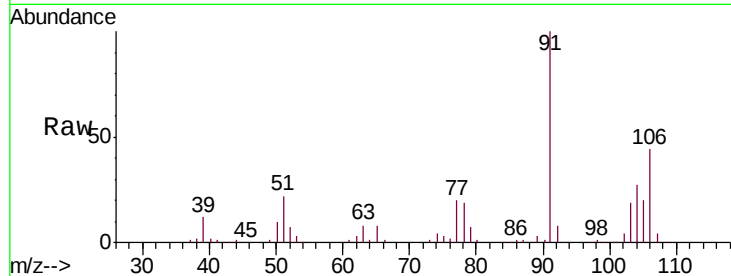




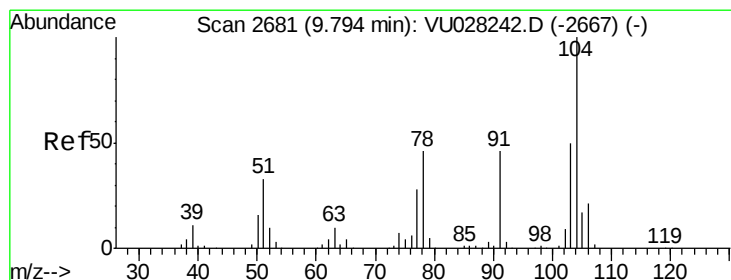
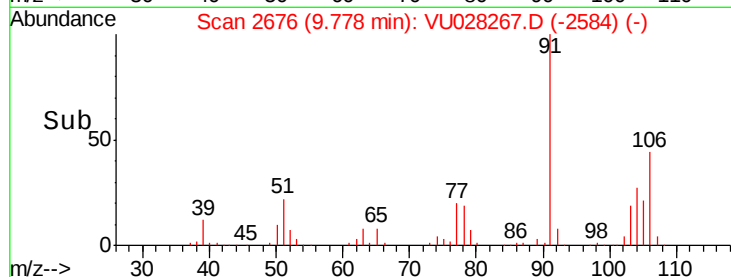
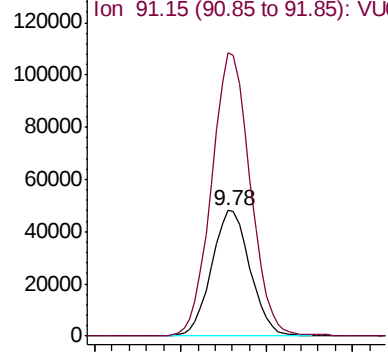
#54
o-xylene
Concen: 4.574 ug/L
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028267.D
Acq: 19 Nov 2018 20:01

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:106 Resp: 74780
Ion Ratio Lower Upper
106 100
91 225.7 157.5 292.5

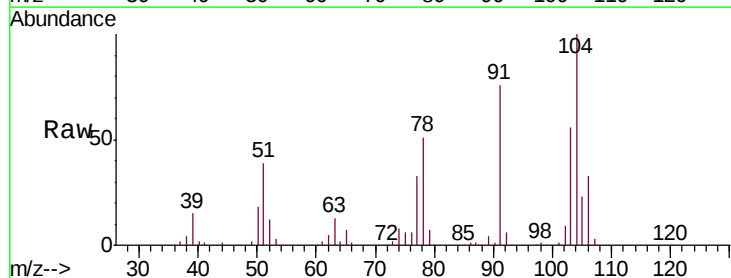


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

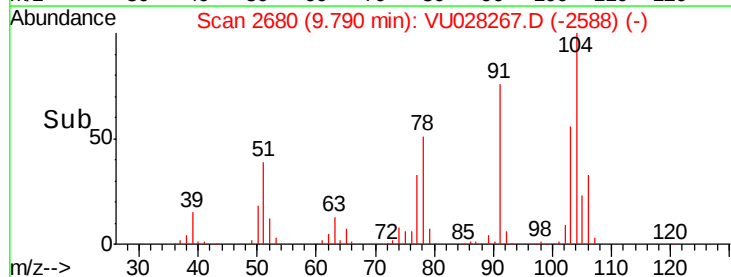
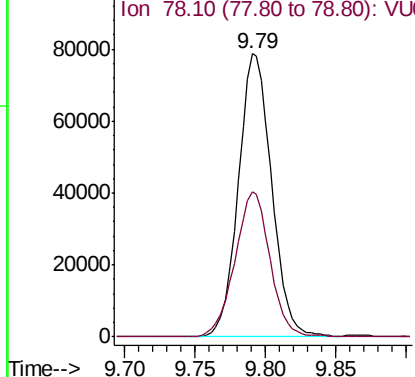


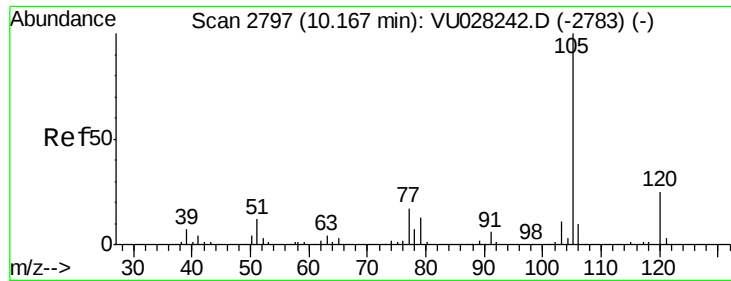
#55
Styrene
Concen: 4.747 ug/L
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028267.D
Acq: 19 Nov 2018 20:01

Tgt Ion:104 Resp: 130292
Ion Ratio Lower Upper
104 100
78 51.4 33.4 62.0



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.563 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028267.D

Acq: 19 Nov 2018 20:01

Instrument :

MSVOA_U

ClientSampleId :

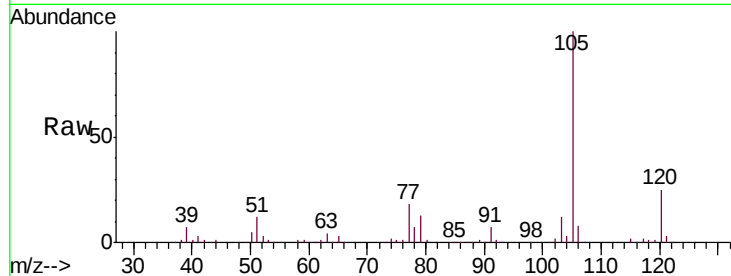
Tgt Ion: 105 Resp: 199823

Ion Ratio Lower Upper

105 100

120 25.5 20.3 30.5

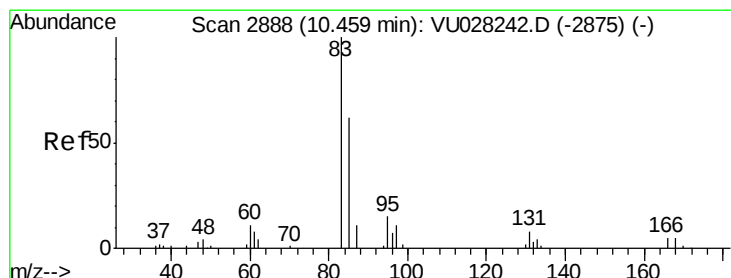
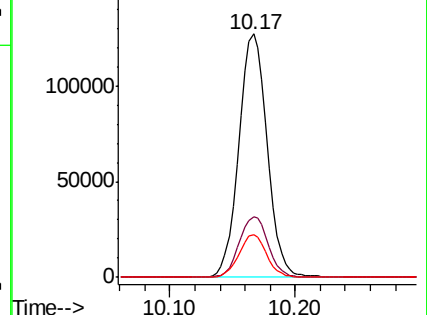
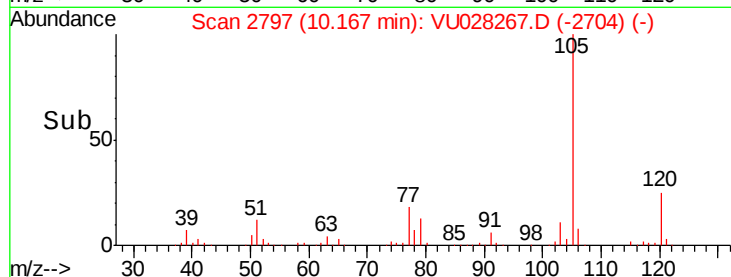
77 17.2 14.5 21.7



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: 4.636 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028267.D

Acq: 19 Nov 2018 20:01

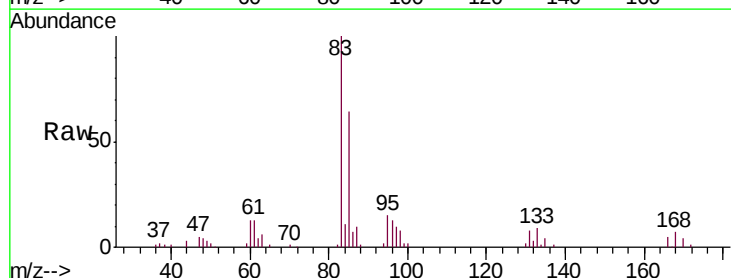
Tgt Ion: 83 Resp: 44432

Ion Ratio Lower Upper

83 100

85 64.1 46.1 85.5

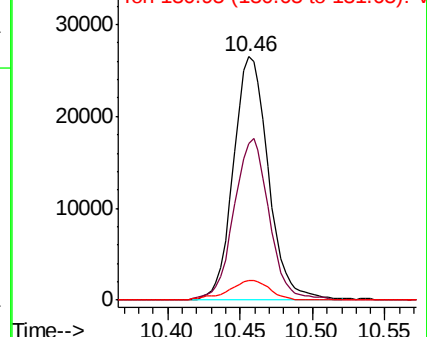
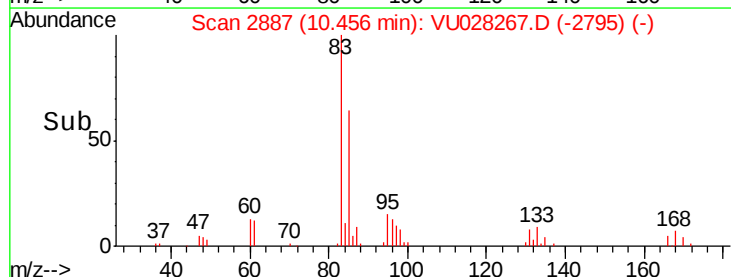
131 7.9 6.2 9.2

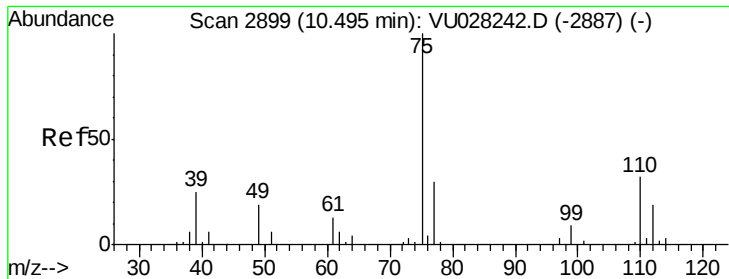


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

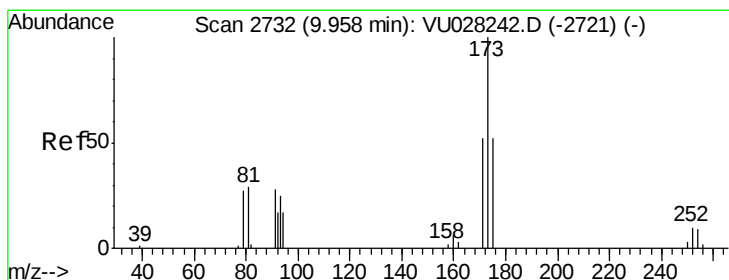
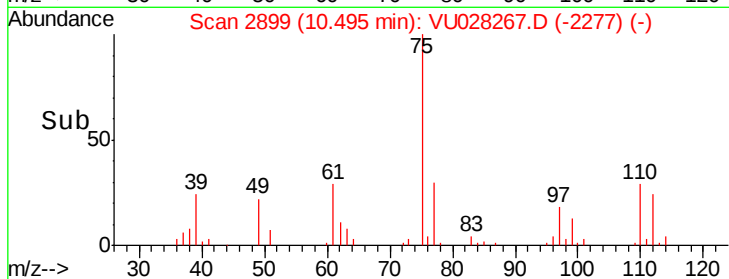
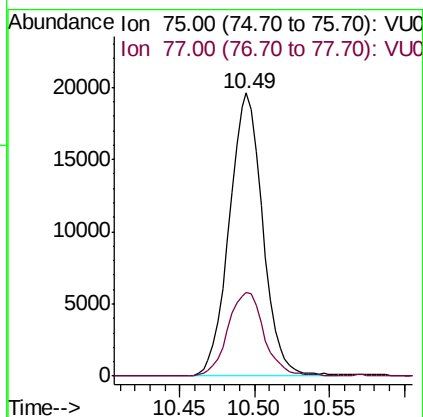
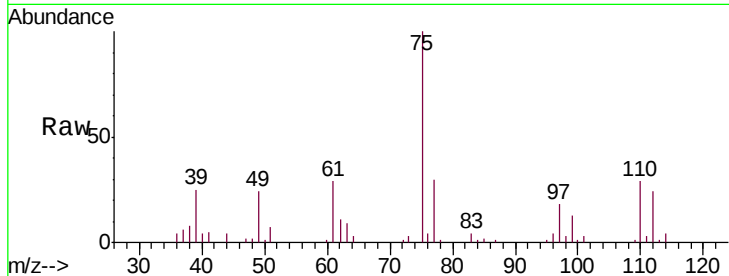




#59
 1,2,3-Trichloropropane
 Concen: 4.283 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU028267.D
 Acq: 19 Nov 2018 20:01

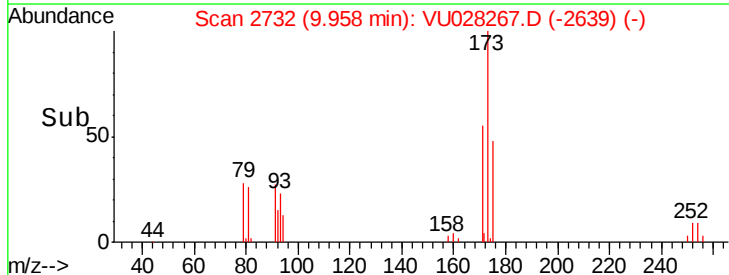
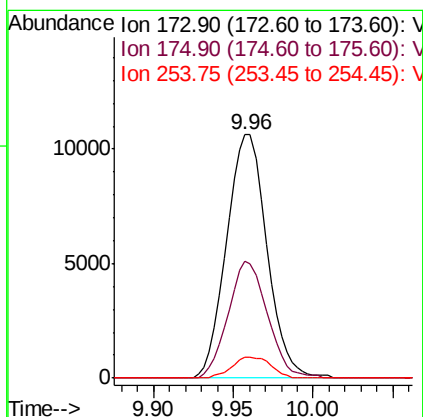
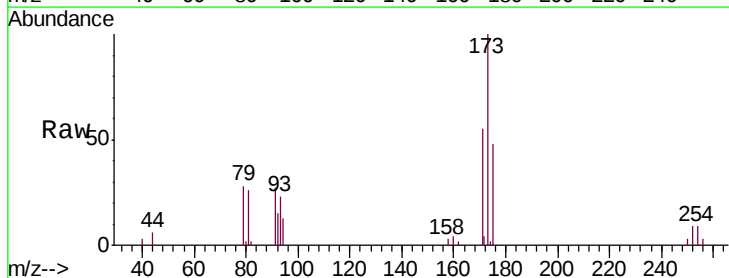
Instrument :
 MSVOA_U
 ClientSampleId :

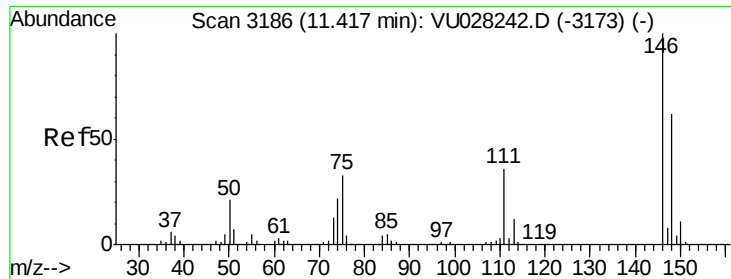
Tgt Ion: 75 Resp: 30540
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.7 38.5



#61
 Bromoform
 Concen: 4.561 ug/L
 RT: 9.96 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VU028267.D
 Acq: 19 Nov 2018 20:01

Tgt Ion: 173 Resp: 18340
 Ion Ratio Lower Upper
 173 100
 175 46.7 38.7 58.1
 254 8.2 6.6 10.0

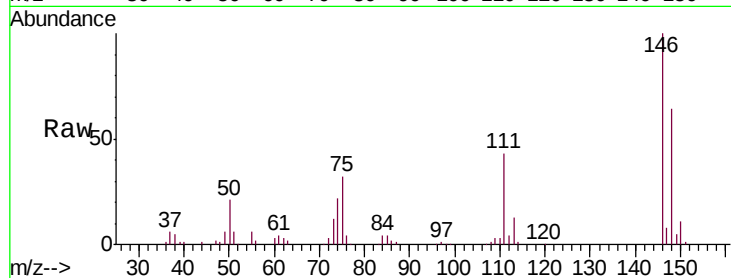




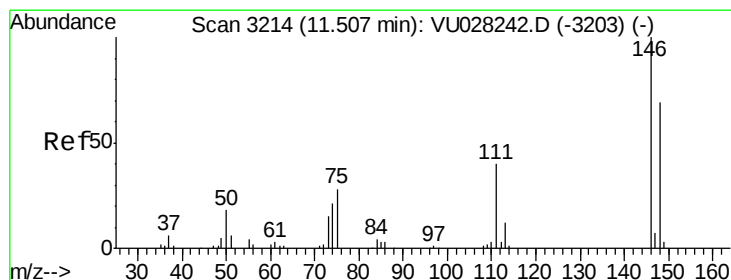
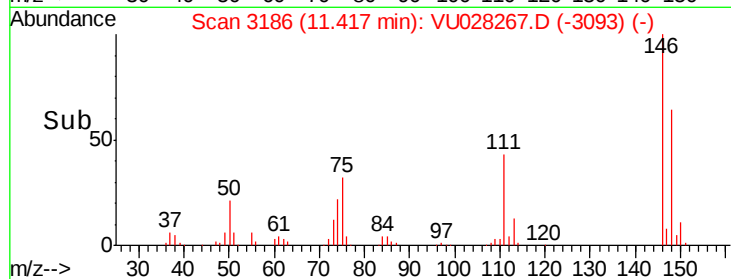
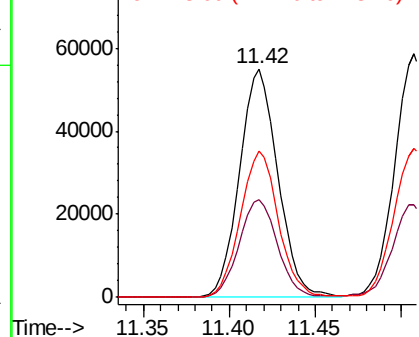
#62
 1,3-Dichlorobenzene
 Concen: 4.429 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU028267.D
 Acq: 19 Nov 2018 20:01

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:146 Resp: 85487
 Ion Ratio Lower Upper
 146 100
 111 42.6 30.4 56.4
 148 63.9 45.3 84.1

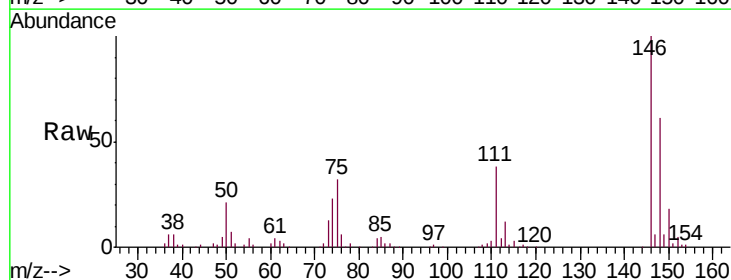


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

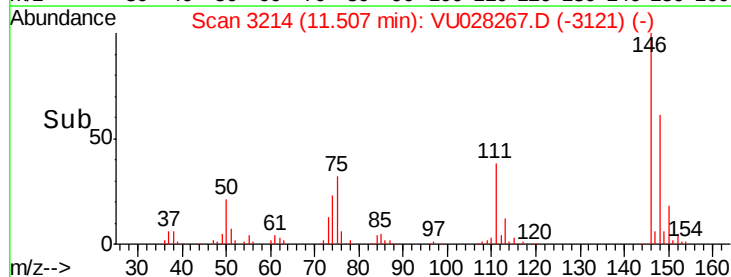
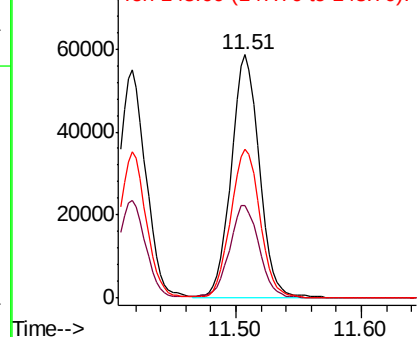


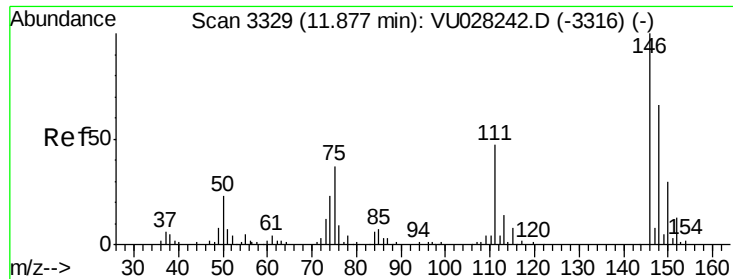
#63
 1,4-Dichlorobenzene
 Concen: 4.655 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028267.D
 Acq: 19 Nov 2018 20:01

Tgt Ion:146 Resp: 91652
 Ion Ratio Lower Upper
 146 100
 111 38.2 28.9 53.7
 148 61.2 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: 4.589 ug/L

RT: 11.88 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VU028267.D

Acq: 19 Nov 2018 20:01

Instrument :

MSVOA_U

ClientSampleId :

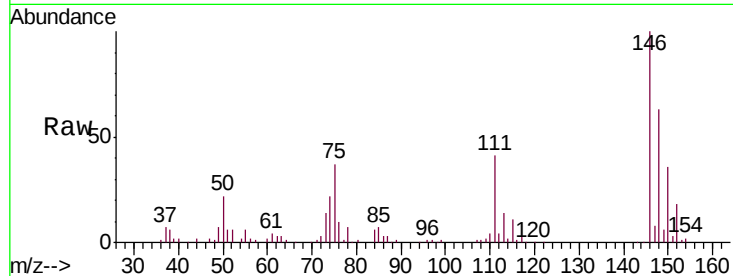
Tgt Ion:146 Resp: 86848

Ion Ratio Lower Upper

146 100

111 41.1 34.7 52.1

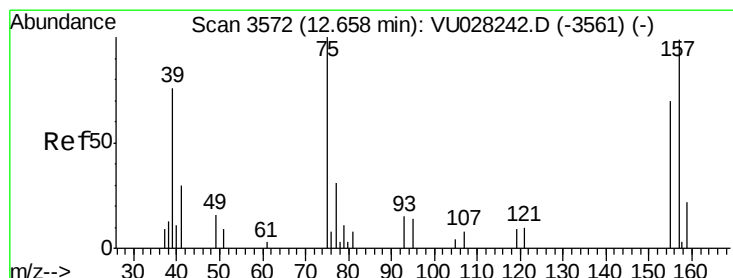
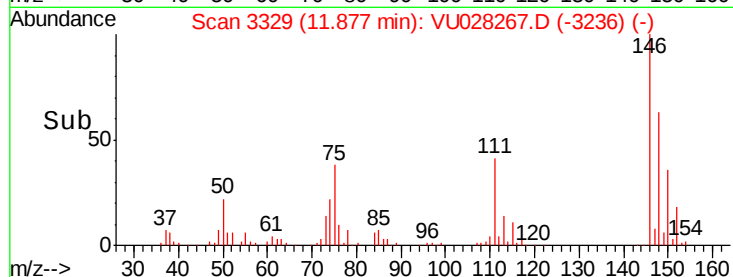
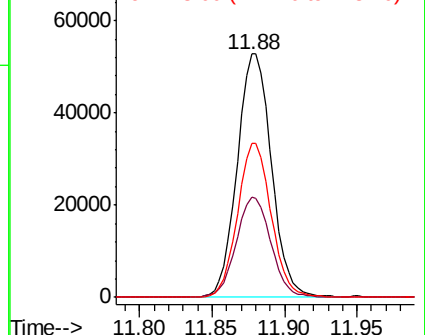
148 63.1 51.2 76.8



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: 3.870 ug/L

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU028267.D

Acq: 19 Nov 2018 20:01

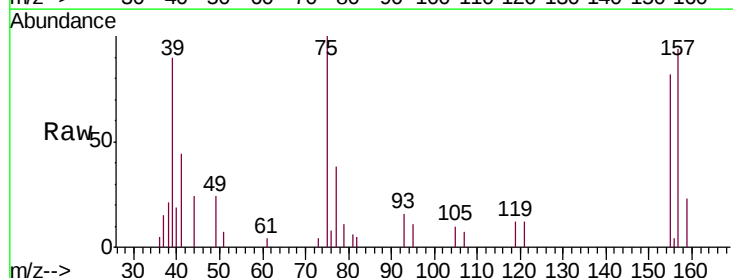
Tgt Ion: 75 Resp: 5706

Ion Ratio Lower Upper

75 100

155 82.3 46.1 69.1#

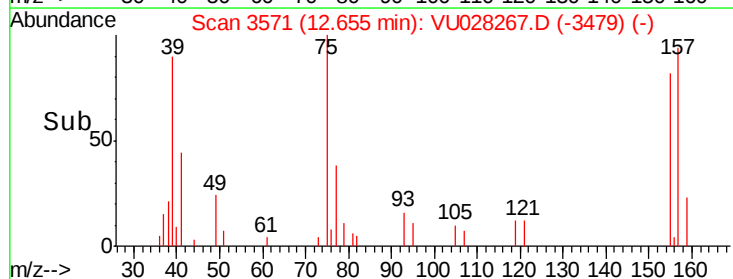
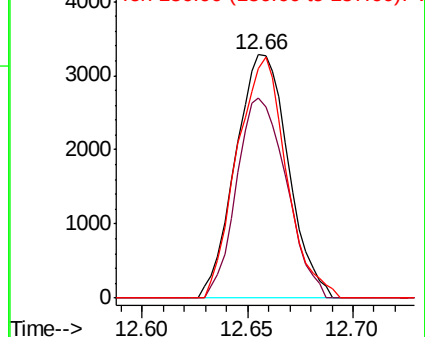
157 94.4 67.0 100.6

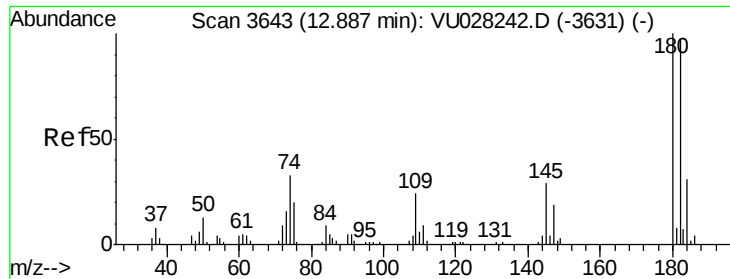


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

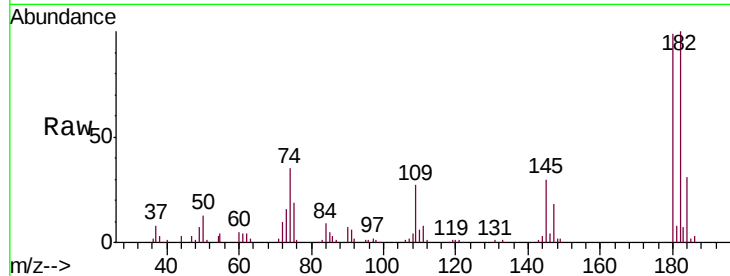




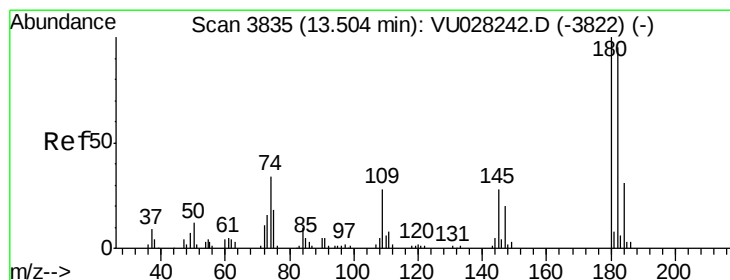
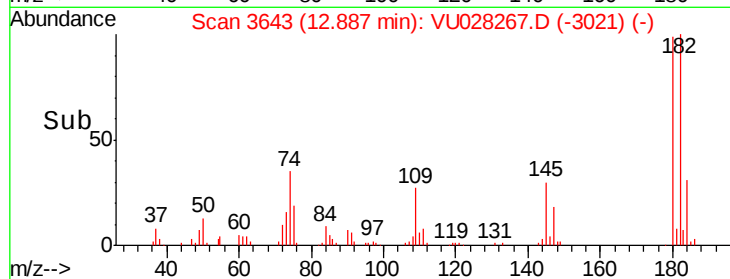
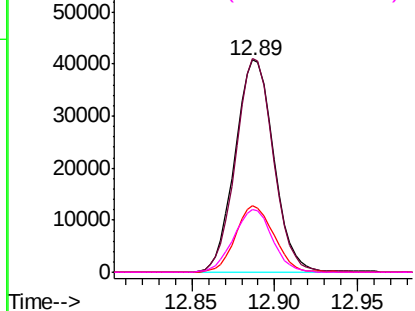
#67
 1,3,5-Trichlorobenzene
 Concen: 4.489 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU028267.D
 Acq: 19 Nov 2018 20:01

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:	180	Resp:	66270
Ion	Ratio	Lower	Upper
180	100		
182	97.5	77.5	116.3
184	31.2	23.7	35.5
145	29.5	24.2	36.4

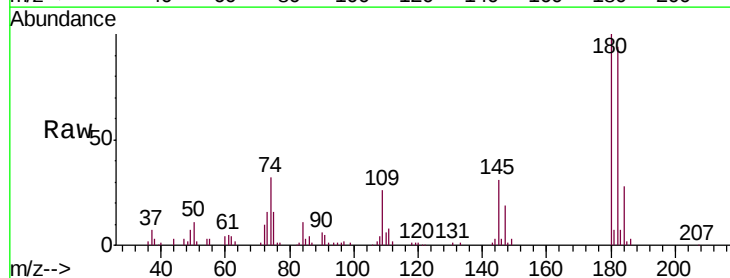


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

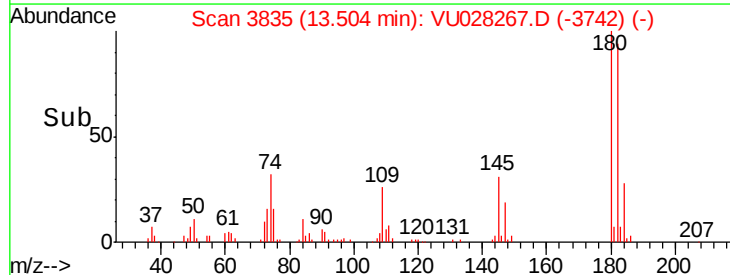
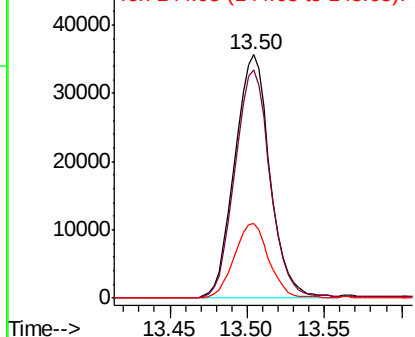


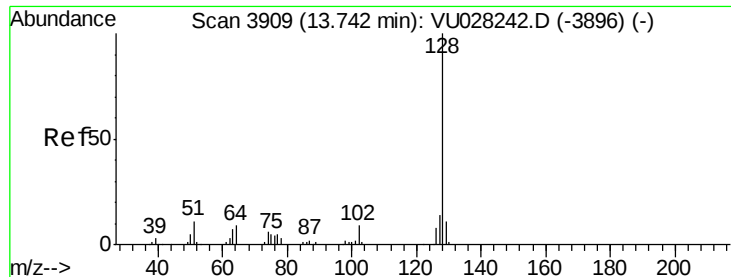
#68
 1,2,4-trichlorobenzene
 Concen: 4.588 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028267.D
 Acq: 19 Nov 2018 20:01

Tgt Ion:	180	Resp:	56596
Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.4	113.2
145	29.6	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: 4.300 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028267.D

Acq: 19 Nov 2018 20:01

Instrument :

MSVOA_U

ClientSampleId :

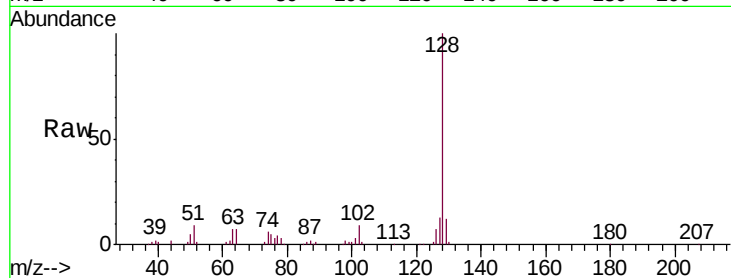
Tgt Ion:128 Resp: 94264

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

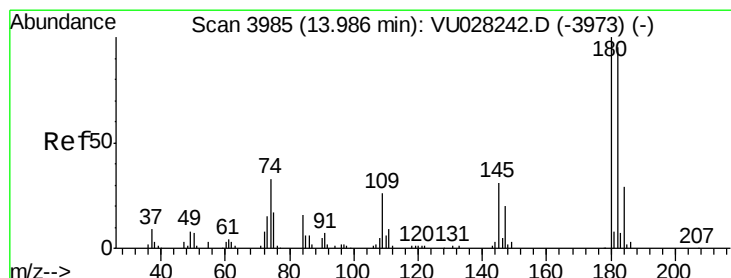
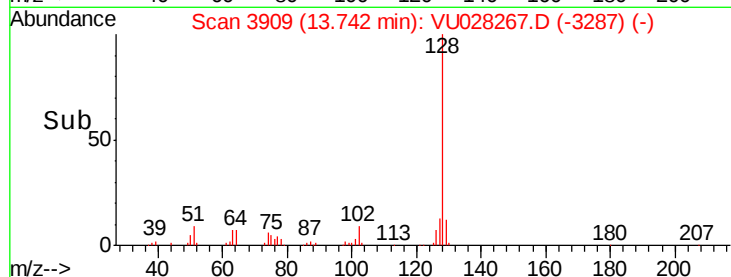
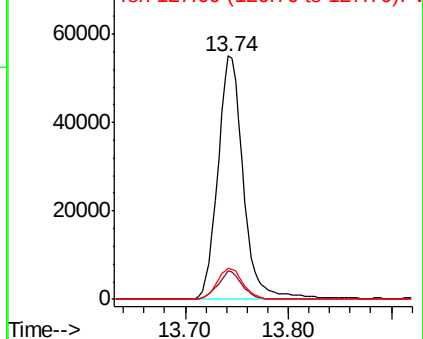
127 12.9 10.7 16.1



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: 4.517 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028267.D

Acq: 19 Nov 2018 20:01

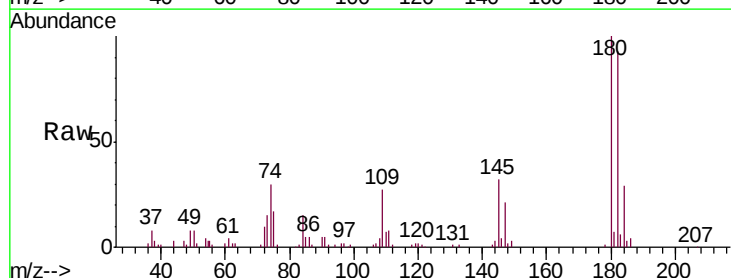
Tgt Ion:180 Resp: 52772

Ion Ratio Lower Upper

180 100

182 94.6 77.0 115.4

145 31.9 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

