

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111618\
 Data File : VU028204.D
 Acq On : 16 Nov 2018 23:20
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 16 23:47:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 16 00:43:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	152166	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	145117	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	72567	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	61898	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	1.68	69	49179	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.28	63	116775	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.00%
20) 2-Butanone-d5	4.20	46	197110	53.82	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.64%
24) Chloroform-d	4.65	84	104399	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	5.31	65	61284	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.40%
32) Benzene-d6	5.34	84	210975	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.33	67	76224	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.57	98	190899	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
43) trans-1,3-Dichloropropene-	7.85	79	24277	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.31	63	150649	49.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.24%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	53644	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	65248	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	65570	4.885	ug/L 98
3) Chloromethane	1.33	50	78255	4.561	ug/L 100
5) Vinyl chloride	1.41	62	76371	4.686	ug/L 97
6) Bromomethane	1.63	94	36614	4.690	ug/L 99
8) Chloroethane	1.70	64	48398	4.932	ug/L 93
9) Trichlorofluoromethane	1.89	101	90149	5.071	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	48616	4.871	ug/L 98
12) 1,1-Dichloroethene	2.29	96	47769	4.721	ug/L 95
13) Acetone	2.33	43	126574	51.317	ug/L 97
14) Carbon disulfide	2.48	76	147543	4.349	ug/L 100
15) Methyl Acetate	2.62	43	31888	4.834	ug/L 98
16) Methylene chloride	2.70	84	69376	5.804	ug/L 96
17) Methyl tert-butyl Ether	3.01	73	137734	4.869	ug/L 99
18) trans-1,2-Dichloroethene	2.98	96	49644	4.615	ug/L 98
19) 1,1-Dichloroethane	3.45	63	114723	5.071	ug/L 98
21) 2-Butanone	4.28	43	211698	54.385	ug/L 98
22) cis-1,2-Dichloroethene	4.23	96	56830	4.792	ug/L 88

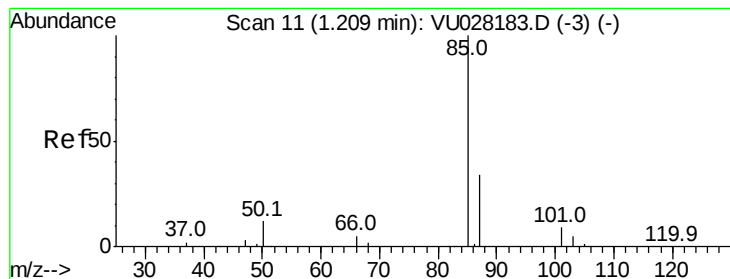
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111618\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 16 00:43:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	23085	4.926	ug/L	92
25) Chloroform	4.68	83	106648	5.256	ug/L	100
27) 1,2-Dichloroethane	5.41	62	71307	5.346	ug/L	99
29) 1,1,1-Trichloroethane	4.92	97	82168	5.003	ug/L	98
30) Cyclohexane	5.00	56	103238	4.483	ug/L	98
31) Carbon tetrachloride	5.13	117	68047	4.992	ug/L	100
33) Benzene	5.39	78	237729	4.863	ug/L	100
34) Trichloroethene	6.19	95	58561	4.847	ug/L	96
35) Methylcyclohexane	6.41	83	93752	4.513	ug/L	98
37) 1,2-Dichloropropane	6.43	63	69444	5.137	ug/L	100
38) Bromodichloromethane	6.76	83	72449	5.036	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	82787	4.529	ug/L	95
40) 4-Methyl-2-pentanone	7.47	43	499717	53.675	ug/L	97
42) Toluene	7.64	91	248071	4.921	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	62640	4.373	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	41451	5.079	ug/L	98
47) Tetrachloroethene	8.23	164	41103	4.184	ug/L	93
48) 2-Hexanone	8.37	43	356795	53.860	ug/L	98
49) Dibromochloromethane	8.48	129	42331	4.872	ug/L	99
50) 1,2-Dibromoethane	8.59	107	37683	4.904	ug/L	98
51) Chlorobenzene	9.12	112	141117	4.788	ug/L	95
52) Ethylbenzene	9.25	91	268343	4.877	ug/L	96
53) m,p-xylene	9.38	106	94273	4.703	ug/L	99
54) o-xylene	9.78	106	91370	4.734	ug/L	99
55) Styrene	9.79	104	157521	4.827	ug/L	97
56) Isopropylbenzene	10.17	105	246441	4.721	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	53083	5.046	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	38938	5.128	ug/L	100
61) Bromoform	9.96	173	21861	4.455	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	107022	4.664	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	106601	4.590	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	102957	4.692	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	8008	5.030	ug/L	87
67) 1,3,5-Trichlorobenzene	12.89	180	82015	4.659	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	69518	4.531	ug/L	99
69) Naphthalene	13.74	128	128072	4.479	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	69436	4.913	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 4.885 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU028204.D

Acq: 16 Nov 2018 23:20

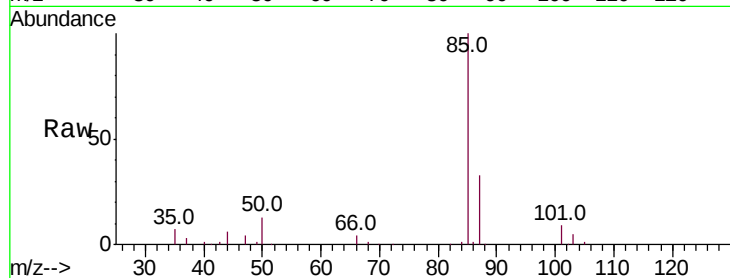
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 65570

Ion Ratio Lower Upper

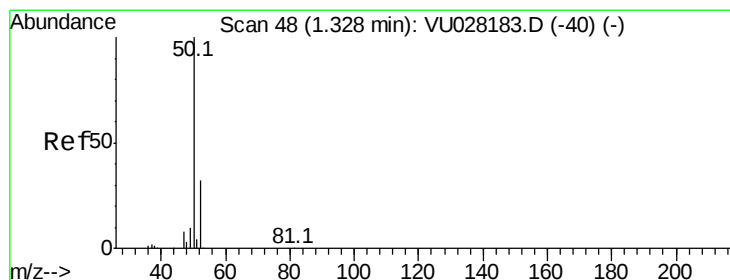
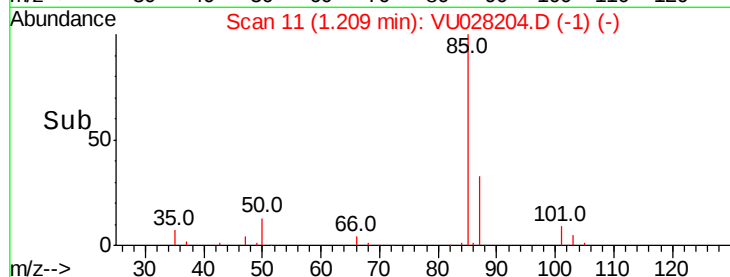
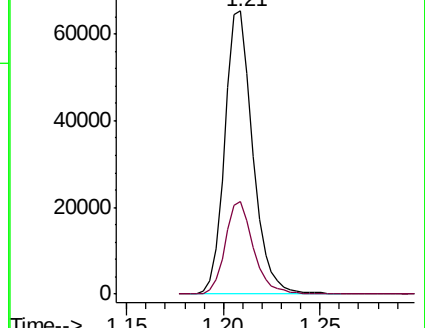
85 100

87 32.9 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU028183.D (-3) (-)

Ion 87.00 (86.70 to 87.70): VU028183.D (-3) (-)



#3

Chloromethane

Concen: 4.561 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028204.D

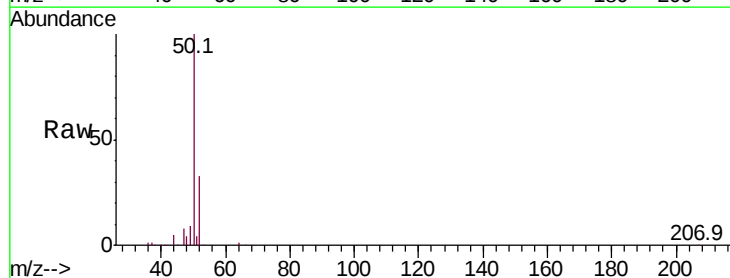
Acq: 16 Nov 2018 23:20

Tgt Ion: 50 Resp: 78255

Ion Ratio Lower Upper

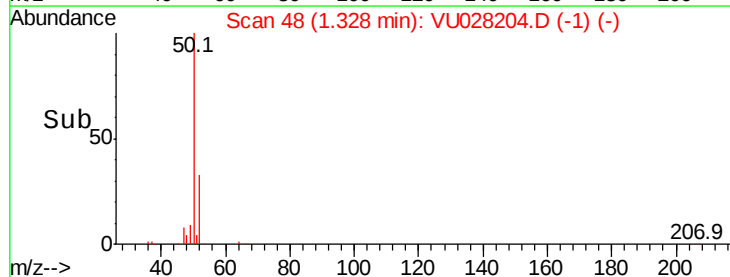
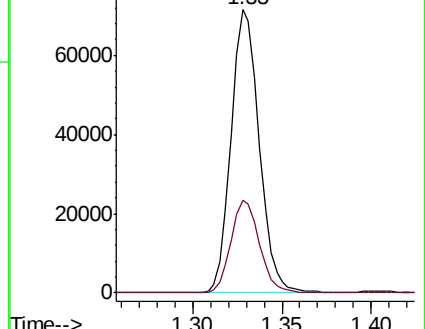
50 100

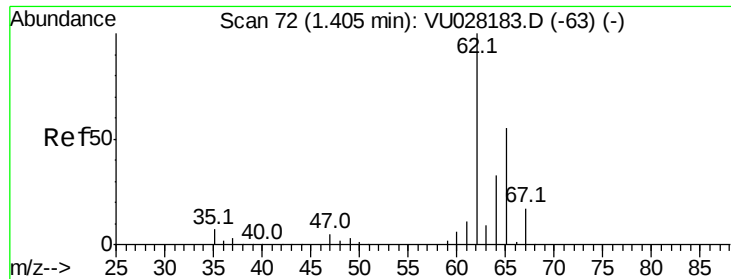
52 32.6 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU028183.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VU028183.D (-40) (-)





#5

Vinyl chloride

Concen: 4.686 ug/L

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028204.D

Acq: 16 Nov 2018 23:20

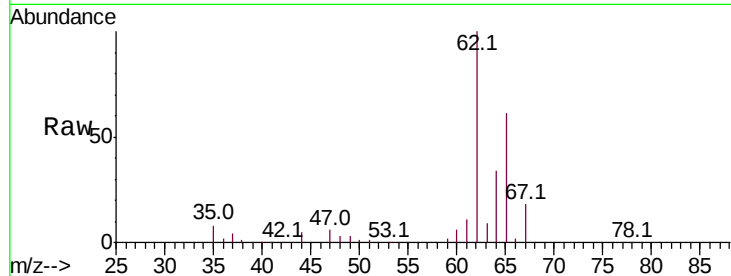
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 76371

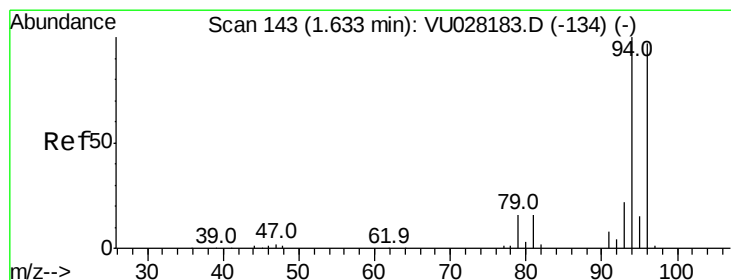
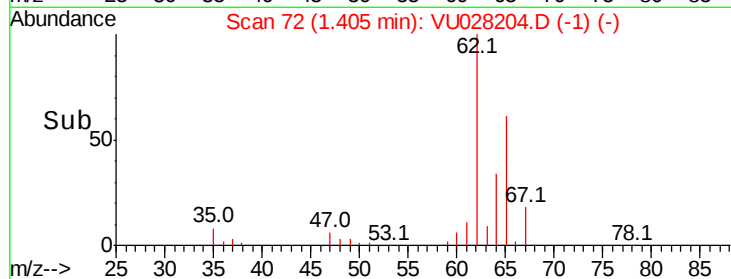
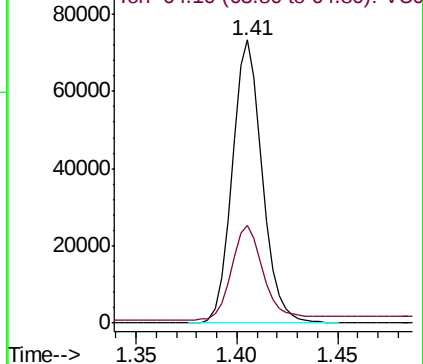
Ion Ratio Lower Upper

62 100

64 34.4 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.690 ug/L

RT: 1.63 min Scan# 142

Delta R.T. 0.00 min

Lab File: VU028204.D

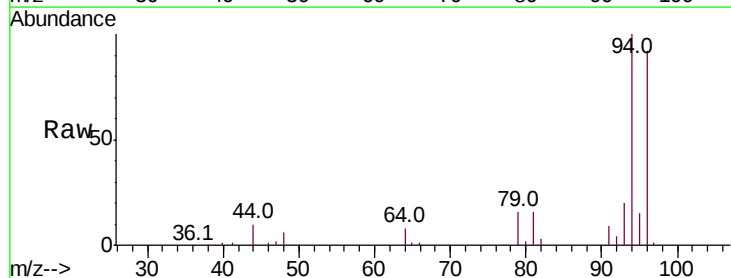
Acq: 16 Nov 2018 23:20

Tgt Ion: 94 Resp: 36614

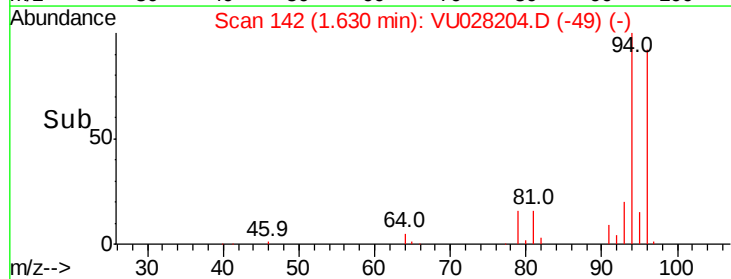
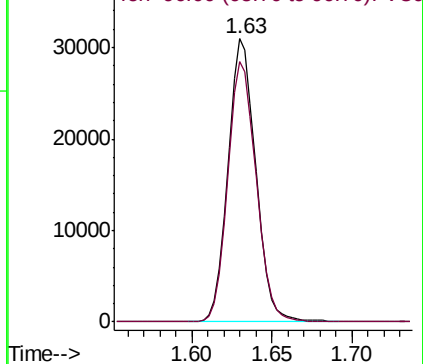
Ion Ratio Lower Upper

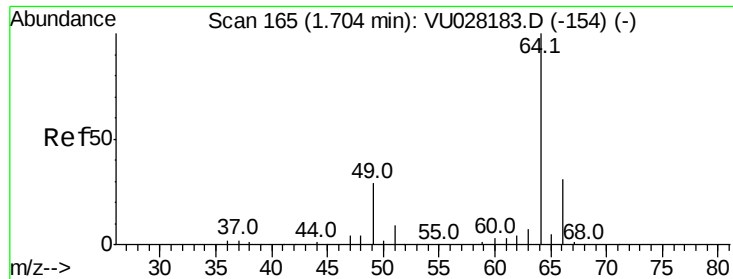
94 100

96 91.9 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VU0
Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.932 ug/L

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU028204.D

Acq: 16 Nov 2018 23:20

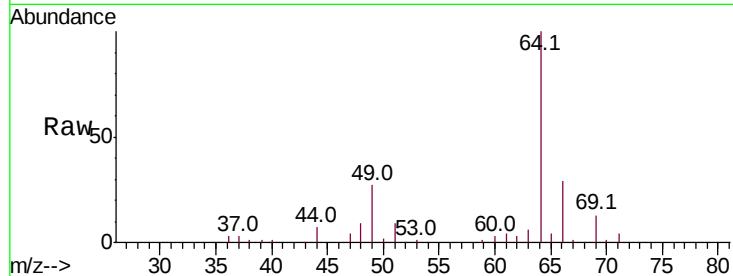
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 48398

Ion Ratio Lower Upper

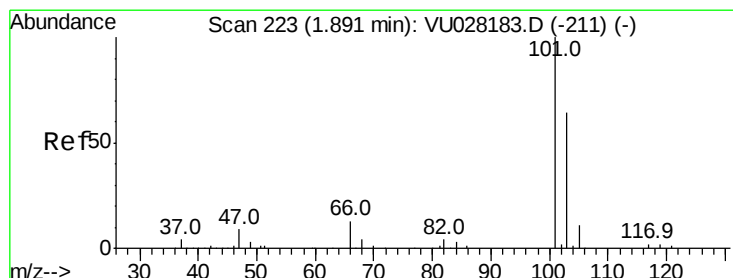
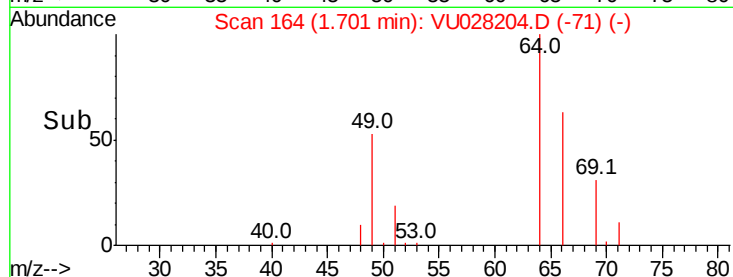
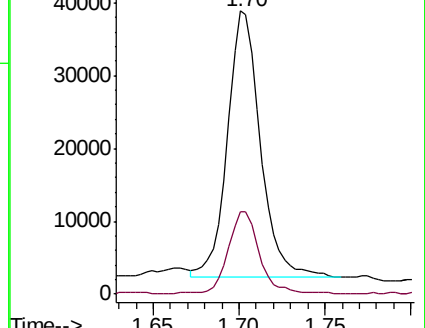
64 100

66 29.3 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VU028183.D (-154) (-)

Ion 66.05 (65.75 to 66.75): VU028183.D (-154) (-)



#9

Trichlorofluoromethane

Concen: 5.071 ug/L

RT: 1.89 min Scan# 223

Delta R.T. 0.00 min

Lab File: VU028204.D

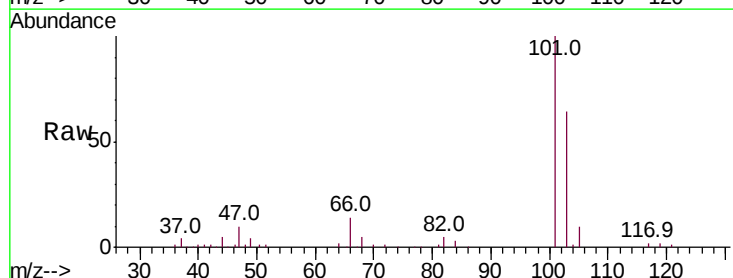
Acq: 16 Nov 2018 23:20

Tgt Ion:101 Resp: 90149

Ion Ratio Lower Upper

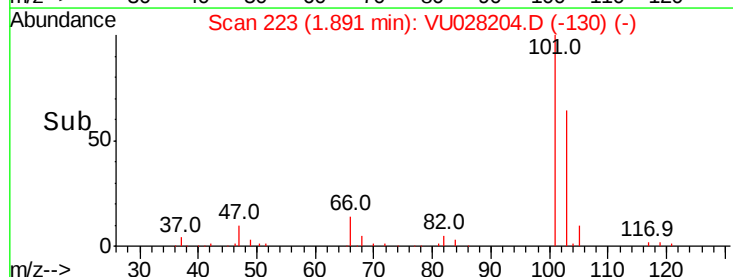
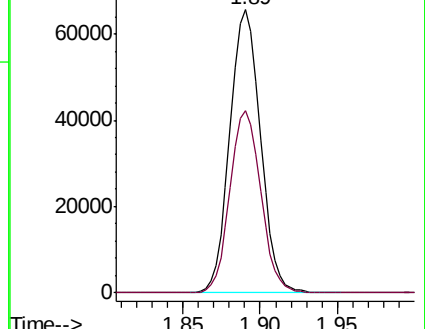
101 100

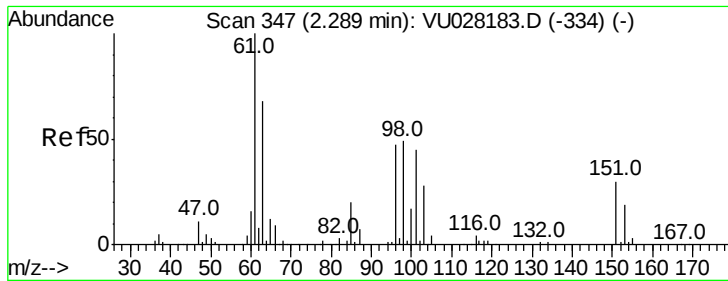
103 64.7 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU028183.D (-211) (-)

Ion 103.00 (102.70 to 103.70): VU028183.D (-211) (-)





#10

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

Concen: 4.871 ug/L

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

Lab File: VU028204.D

Acq: 16 Nov 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

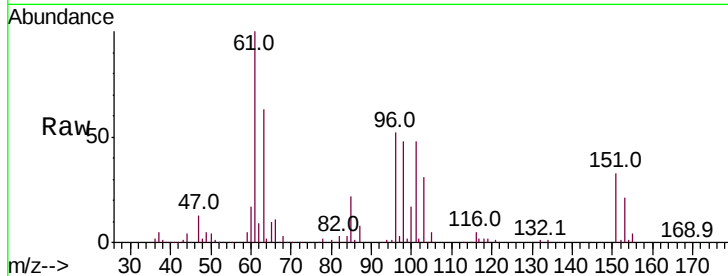
Tot Ion:101 Resp: 48616

Ion Ratio Lower Upper

101 100

85 48.0 37.6 56.4

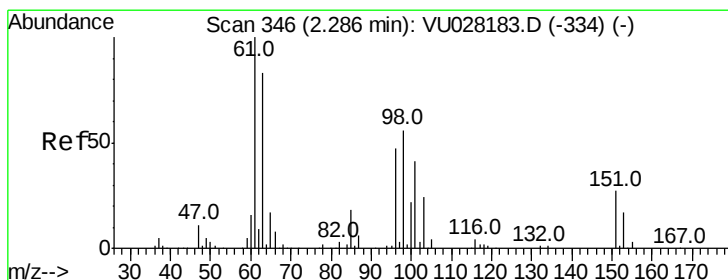
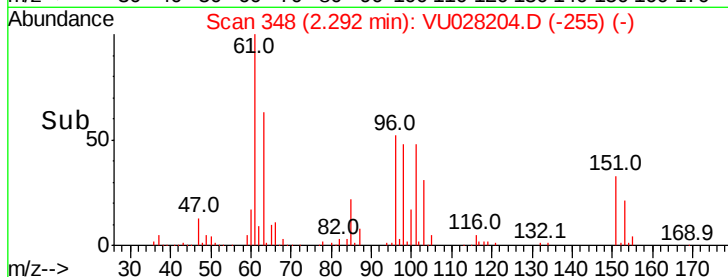
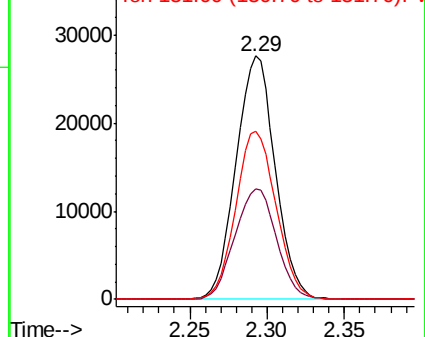
151 71.1 58.2 87.2



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: 4.721 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU028204.D

Acq: 16 Nov 2018 23:20

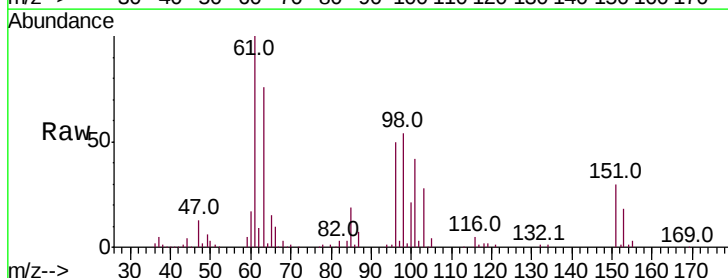
Tgt Ion: 96 Resp: 47769

Ion Ratio Lower Upper

96 100

61 198.4 134.8 250.3

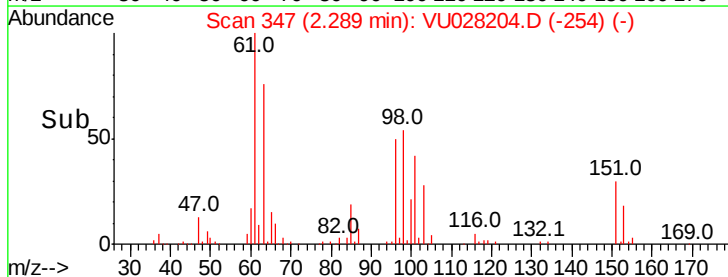
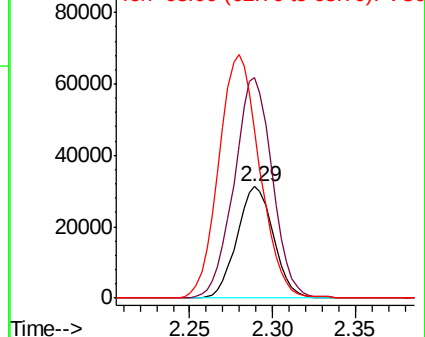
63 151.1 100.1 185.9

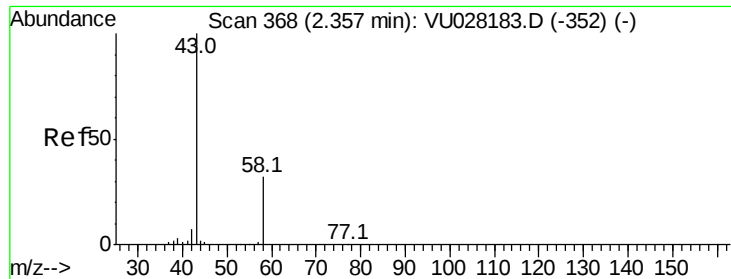


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 51.317 ug/L

RT: 2.33 min Scan# 359

Delta R.T. 0.00 min

Lab File: VU028204.D

Acq: 16 Nov 2018 23:20

Instrument :

MSVOA_U

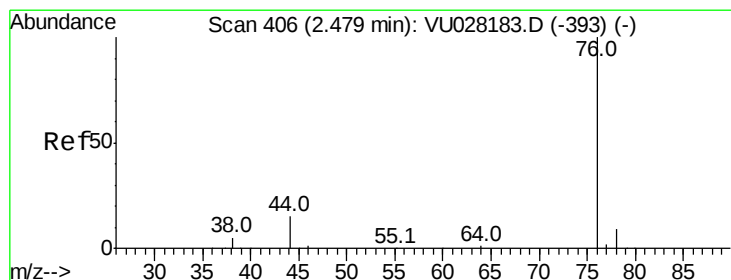
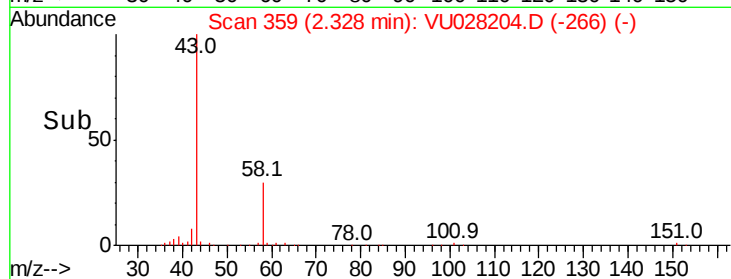
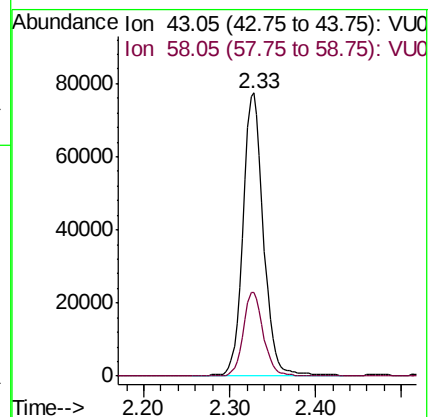
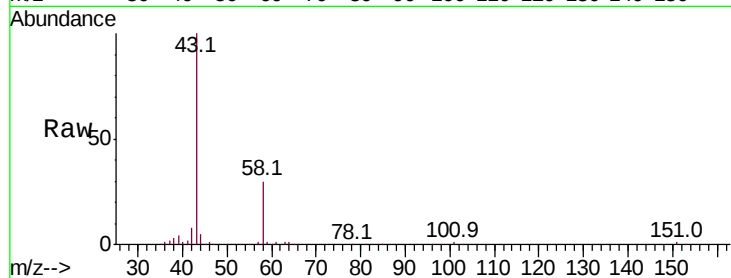
ClientSampleId :

Tot Ion: 43 Resp: 126574

Ion Ratio Lower Upper

43 100

58 29.1 0.0 61.6



#14

Carbon disulfide

Concen: 4.349 ug/L

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU028204.D

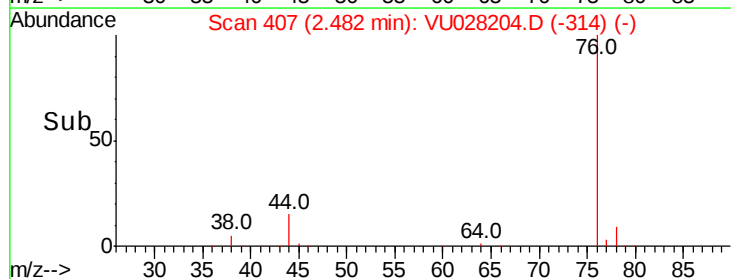
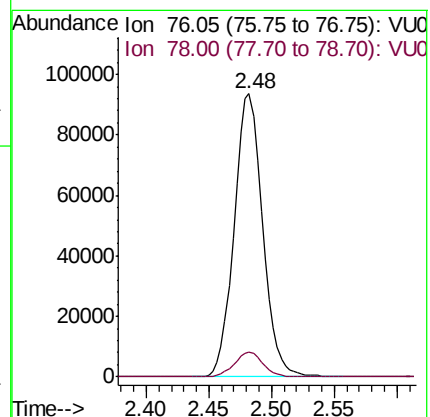
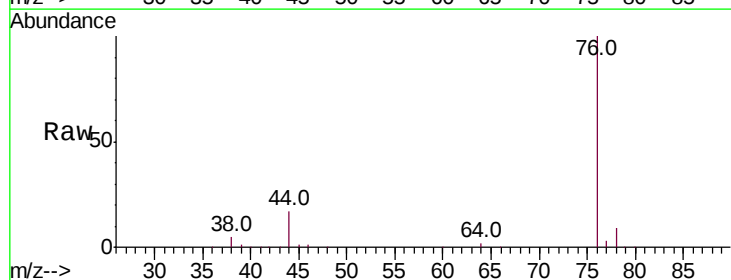
Acq: 16 Nov 2018 23:20

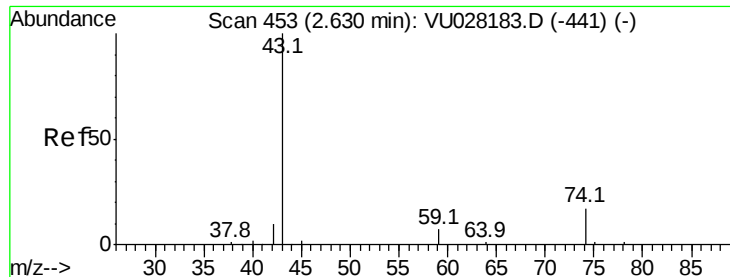
Tgt Ion: 76 Resp: 147543

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.4





#15

Methvl Acetate

Concen: 4.834 ug/L

RT: 2.62 min Scan# 451

Delta R.T. 0.00 min

Lab File: VU028204.D

Acq: 16 Nov 2018 23:20

Instrument :

MSVOA_U

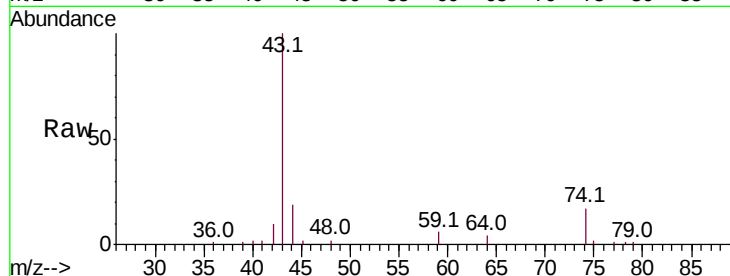
ClientSampleId :

Tot Ion: 43 Resp: 31888

Ion Ratio Lower Upper

43 100

74 17.7 14.9 22.3



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

20000

15000

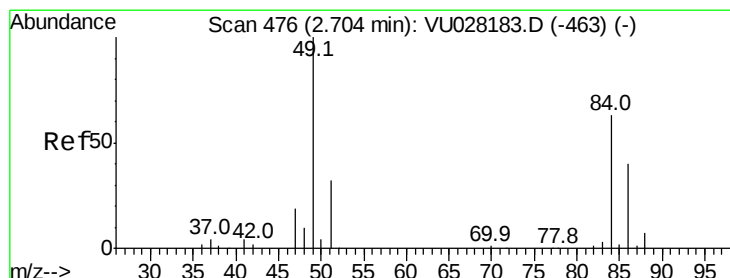
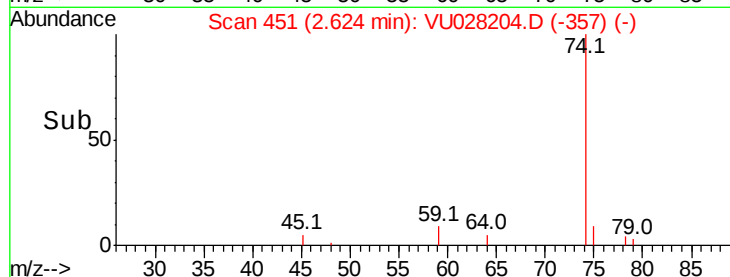
10000

5000

0

2.55 2.60 2.65 2.70

Time-->



#16

Methylene chloride

Concen: 5.804 ug/L

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU028204.D

Acq: 16 Nov 2018 23:20

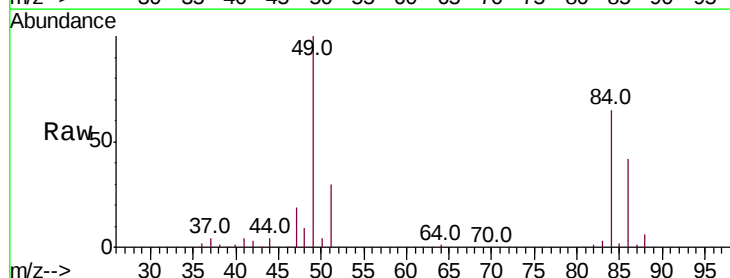
Tgt Ion: 84 Resp: 69376

Ion Ratio Lower Upper

84 100

86 64.3 44.6 82.8

49 153.3 102.5 190.3



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

80000

60000

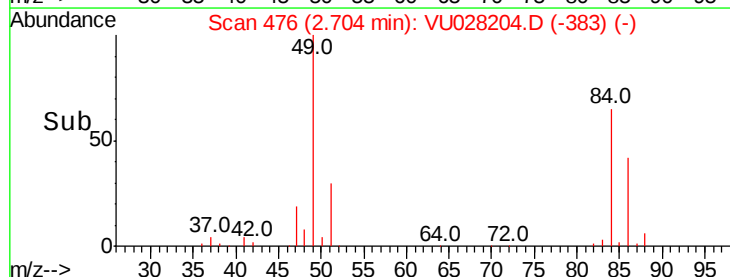
40000

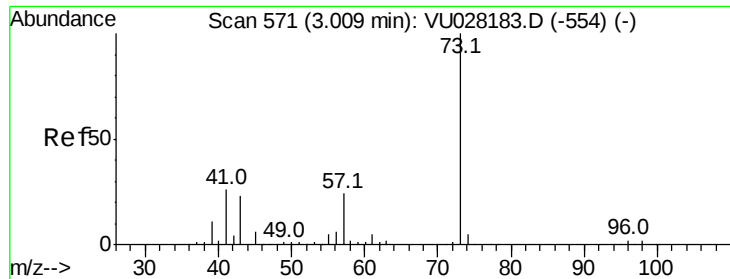
20000

0

2.65 2.70 2.75

Time-->

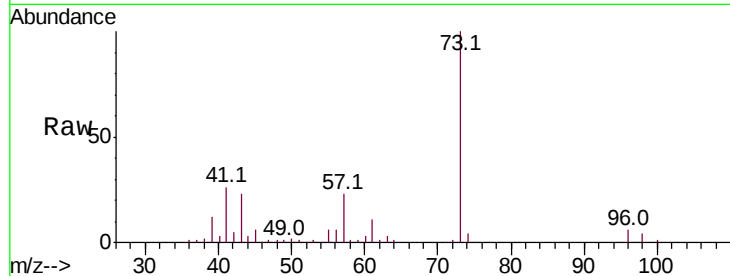




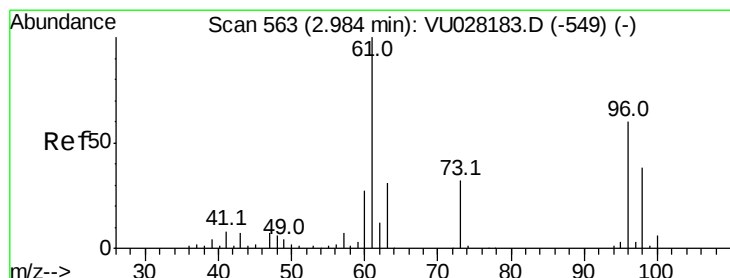
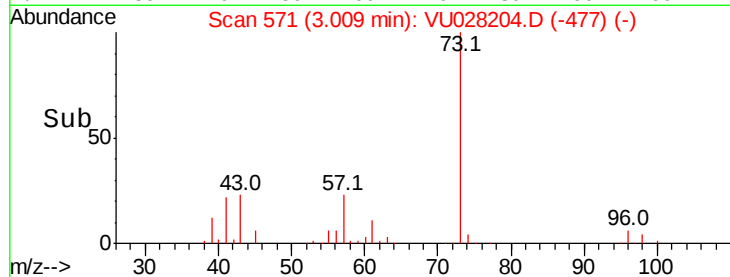
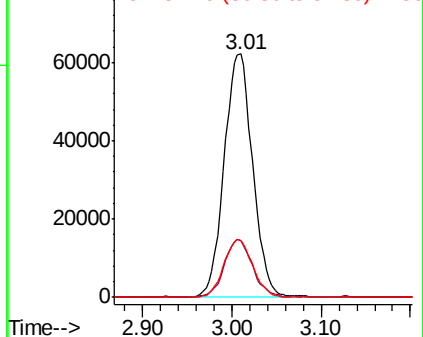
#17
Methvl tert-butvl Ether
Concen: 4.869 ug/L
RT: 3.01 min Scan# 571
Delta R.T. 0.00 min
Lab File: VU028204.D
Acq: 16 Nov 2018 23:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 137734
Ion Ratio Lower Upper
73 100
43 23.0 18.1 27.1
57 24.0 20.0 30.0

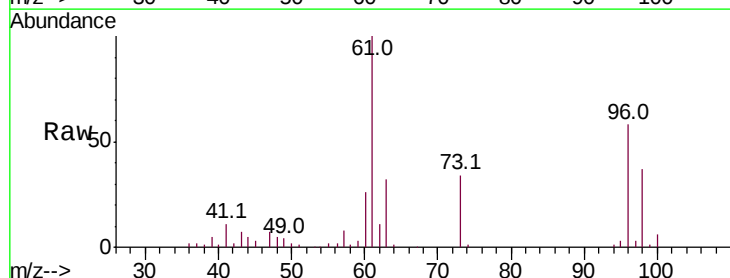


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

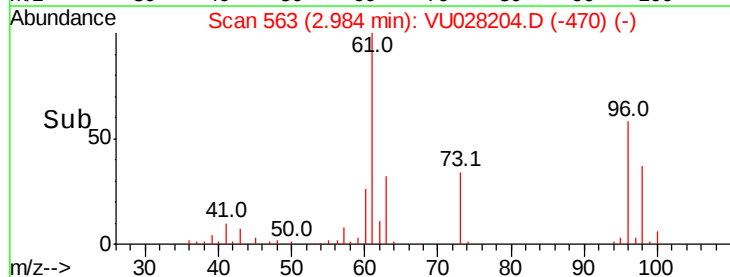
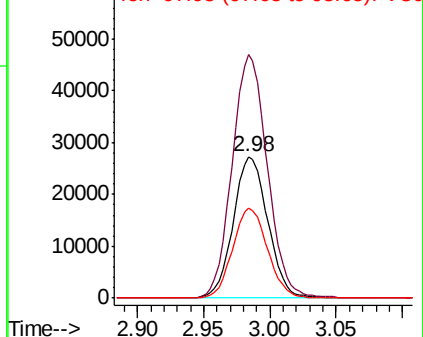


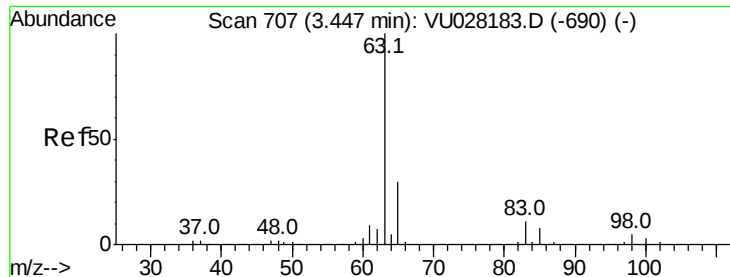
#18
trans-1,2-Dichloroethene
Concen: 4.615 ug/L
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU028204.D
Acq: 16 Nov 2018 23:20

Tgt Ion: 96 Resp: 49644
Ion Ratio Lower Upper
96 100
61 172.4 118.5 220.1
98 63.3 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: 5.071 ug/L

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

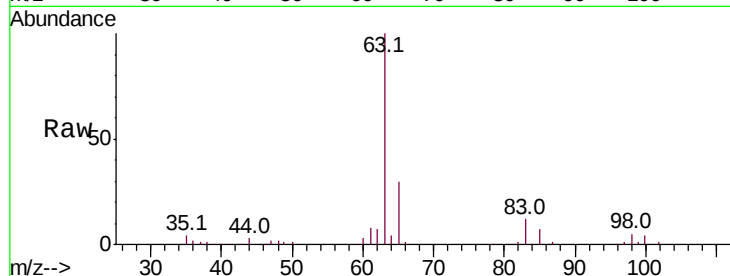
Lab File: VU028204.D

Acq: 16 Nov 2018 23:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 63 Resp: 114723

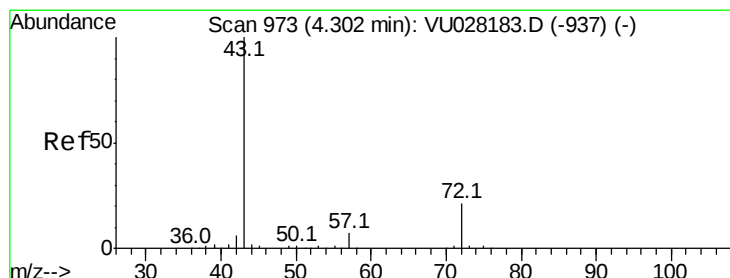
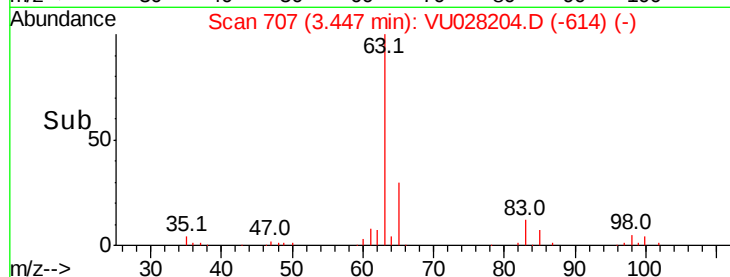
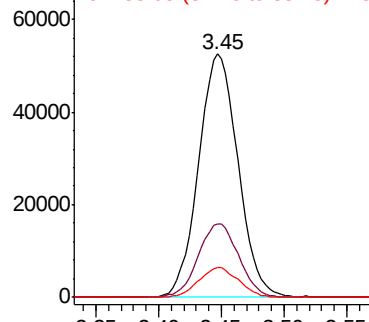
Ion	Ratio	Lower	Upper
63	100		
65	30.4	22.2	41.2
83	12.4	8.9	16.5



Abundance Ion 63.10 (62.80 to 63.80): VU028183.D (-690) (-)

Ion 65.10 (64.80 to 65.80): VU028183.D (-690) (-)

Ion 83.05 (82.75 to 83.75): VU028183.D (-690) (-)



#21

2-Butanone

Concen: 54.385 ug/L

RT: 4.28 min Scan# 966

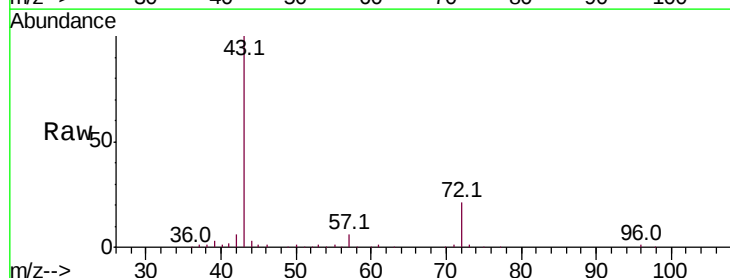
Delta R.T. 0.00 min

Lab File: VU028204.D

Acq: 16 Nov 2018 23:20

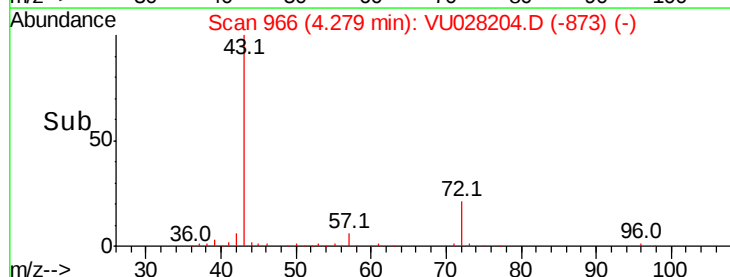
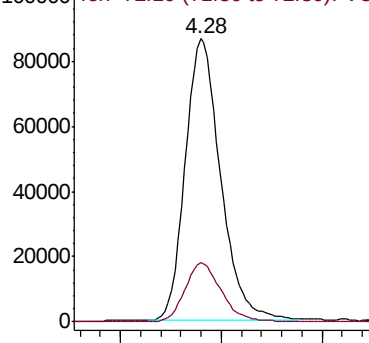
Tgt Ion: 43 Resp: 211698

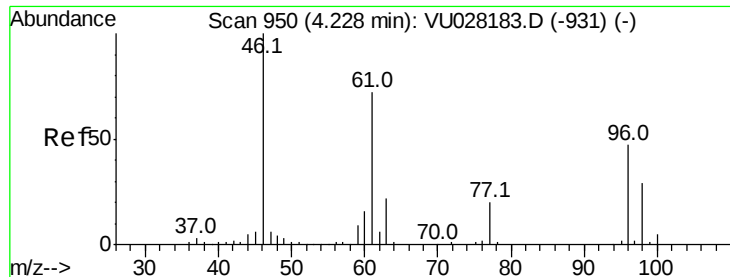
Ion	Ratio	Lower	Upper
43	100		
72	21.1	11.0	33.0



Abundance Ion 43.05 (42.75 to 43.75): VU028183.D (-937) (-)

Ion 72.10 (71.80 to 72.80): VU028183.D (-937) (-)



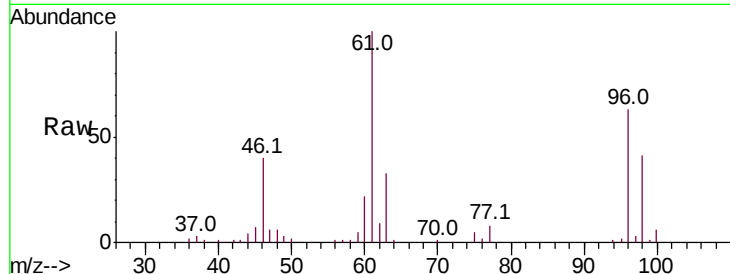


#22

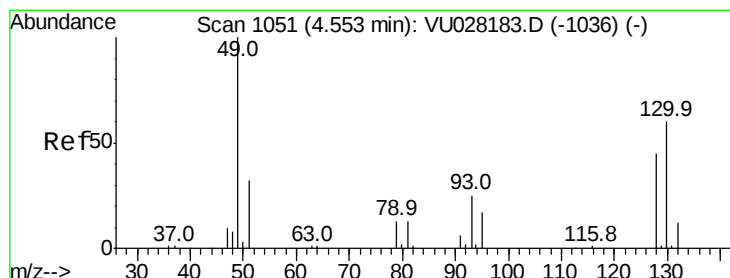
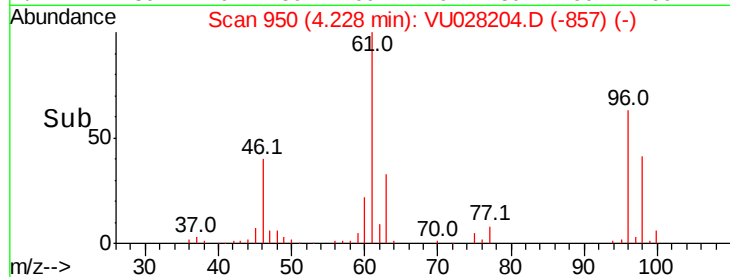
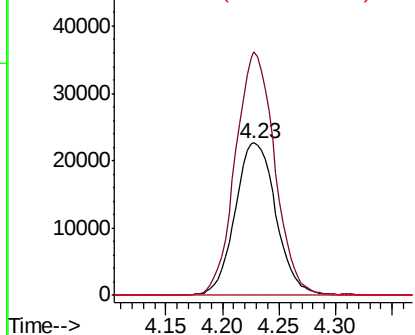
cis-1,2-Dichloroethene
Concen: 4.792 ug/L
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU028204.D
Acq: 16 Nov 2018 23:20

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 56830
Ion Ratio Lower Upper
96 100
61 160.0 101.8 189.0
68 0.0 0.0 0.0



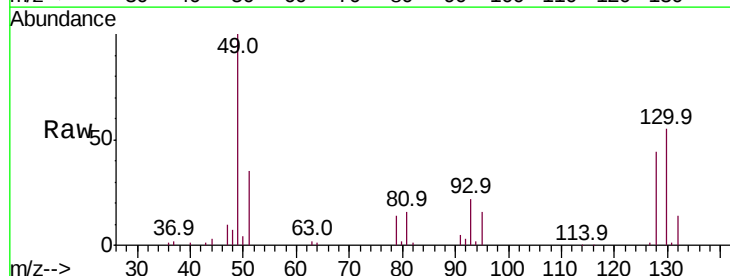
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



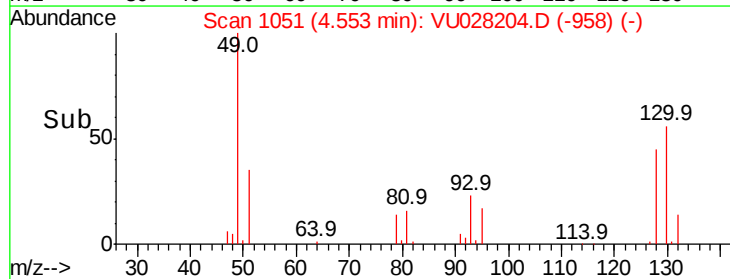
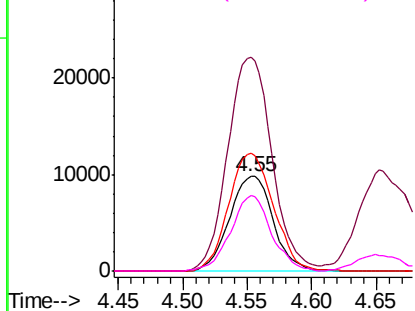
#23

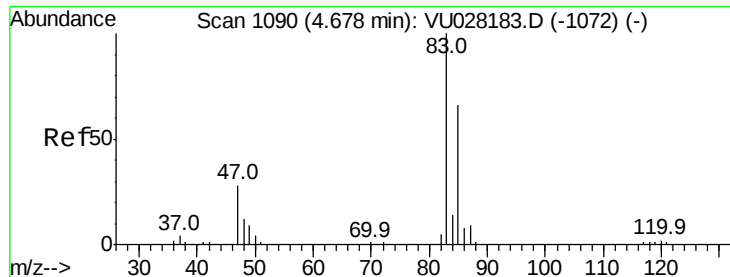
Bromochloromethane
Concen: 4.926 ug/L
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU028204.D
Acq: 16 Nov 2018 23:20

Tgt Ion: 128 Resp: 23085
Ion Ratio Lower Upper
128 100
49 225.5 152.2 282.6
130 124.5 93.2 173.0
51 80.0 53.5 80.3



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

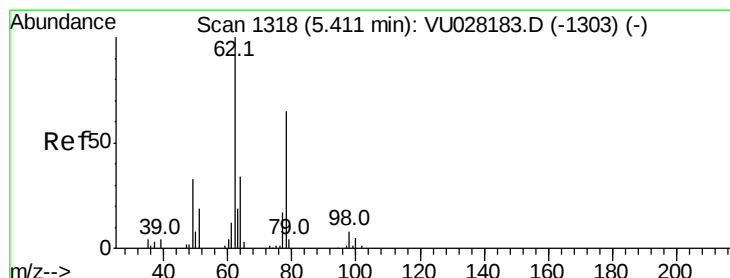
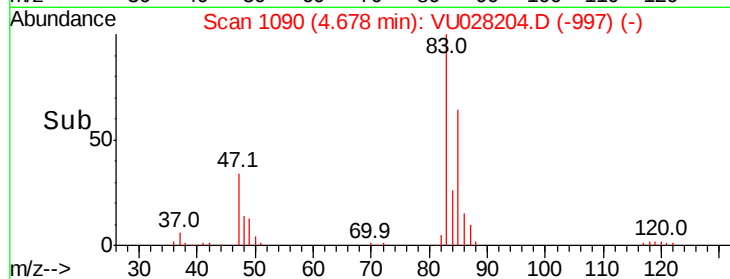
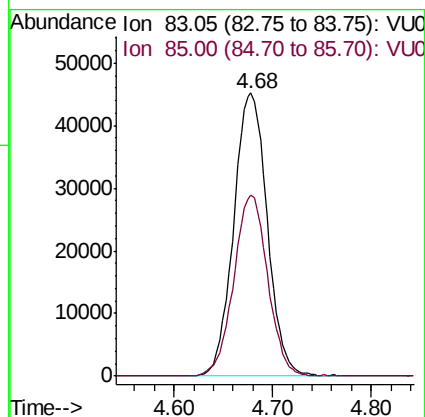
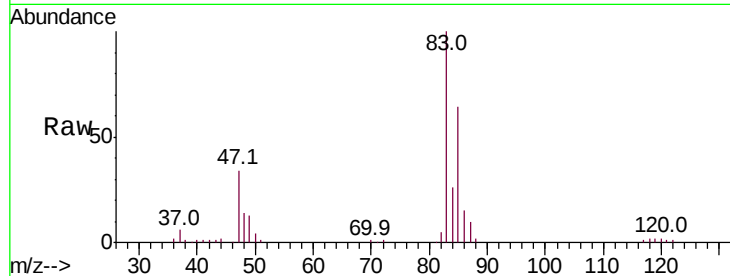




#25
Chloroform
Concen: 5.256 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU028204.D
Acq: 16 Nov 2018 23:20

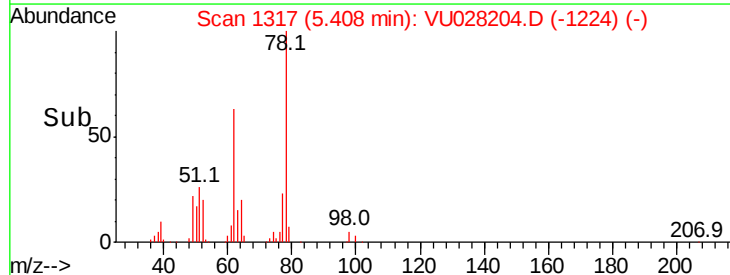
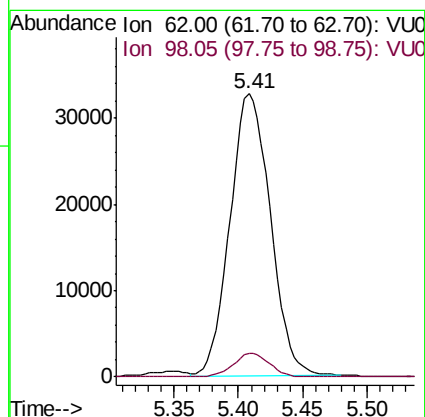
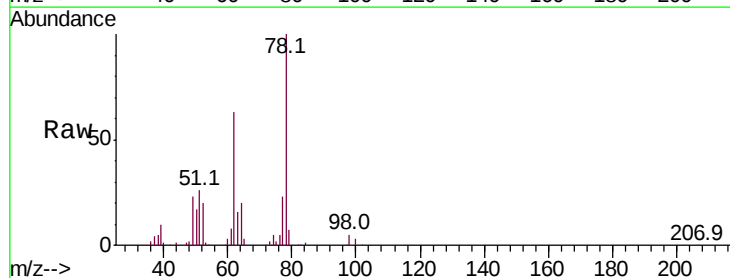
Instrument :
MSVOA_U
ClientSampled :

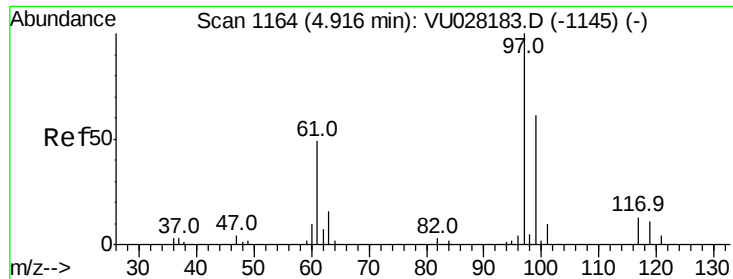
Tot Ion: 83 Resp: 106648
Ion Ratio Lower Upper
83 100
85 64.0 45.0 83.6



#27
1,2-Dichloroethane
Concen: 5.346 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU028204.D
Acq: 16 Nov 2018 23:20

Tgt Ion: 62 Resp: 71307
Ion Ratio Lower Upper
62 100
98 8.4 7.0 10.4

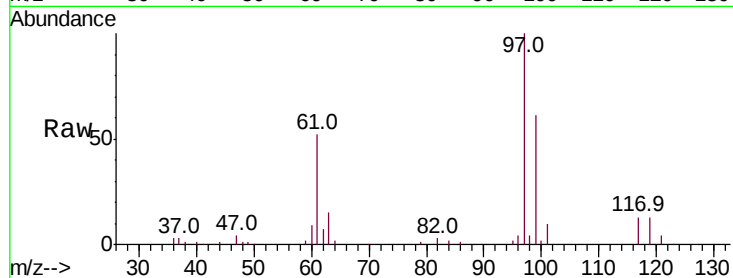




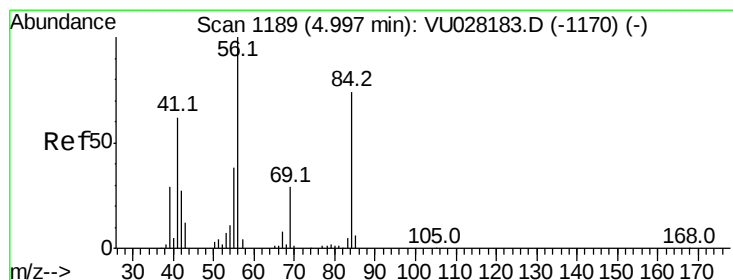
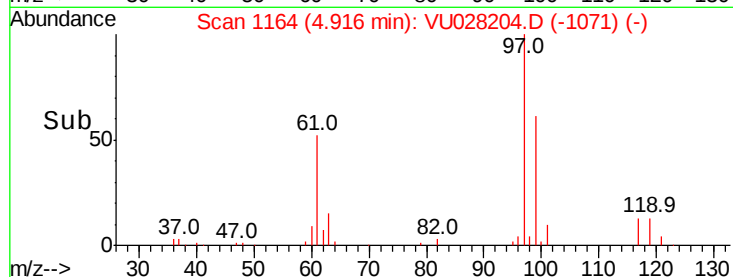
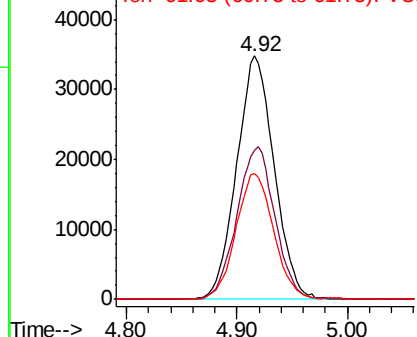
#29
 1,1,1-Trichloroethane
 Concen: 5.003 ug/L
 RT: 4.92 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: VU028204.D
 Acq: 16 Nov 2018 23:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 82168
 Ion Ratio Lower Upper
 97 100
 99 63.2 51.2 76.8
 61 51.9 39.4 59.2

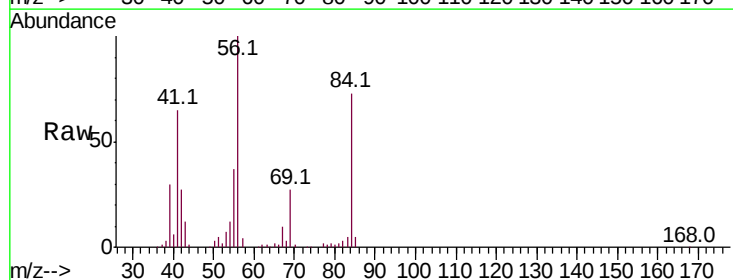


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

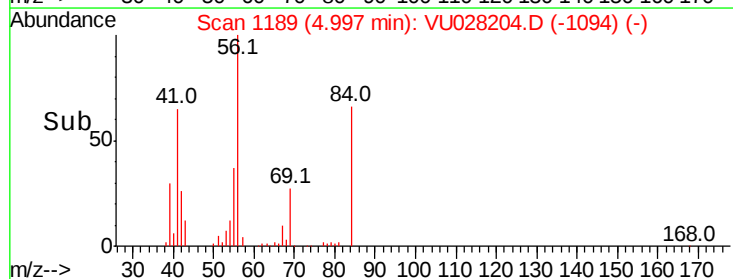
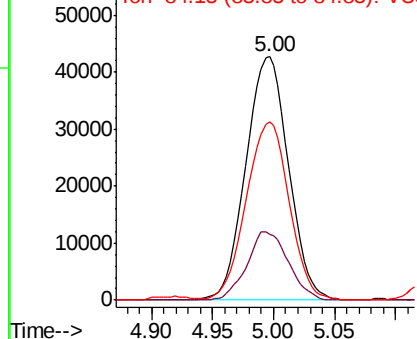


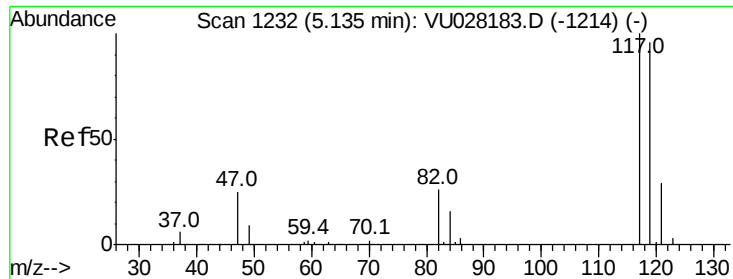
#30
 Cyclohexane
 Concen: 4.483 ug/L
 RT: 5.00 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: VU028204.D
 Acq: 16 Nov 2018 23:20

Tgt Ion: 56 Resp: 103238
 Ion Ratio Lower Upper
 56 100
 69 27.2 22.6 33.8
 84 74.0 57.7 86.5



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: 4.992 ug/L

RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU028204.D

Acq: 16 Nov 2018 23:20

Instrument :

MSVOA_U

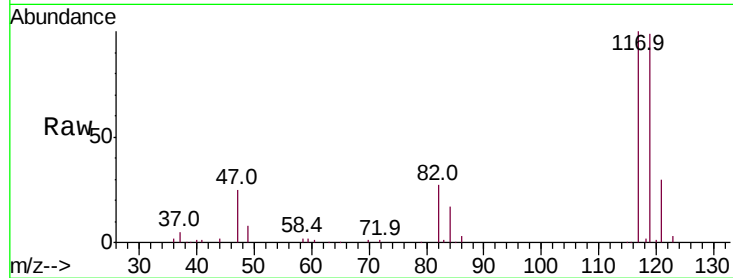
ClientSampleId :

Tot Ion:117 Resp: 68047

Ion Ratio Lower Upper

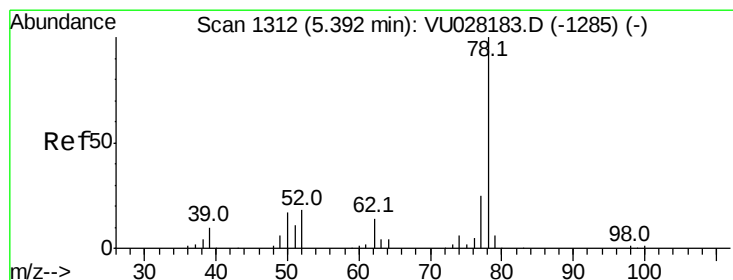
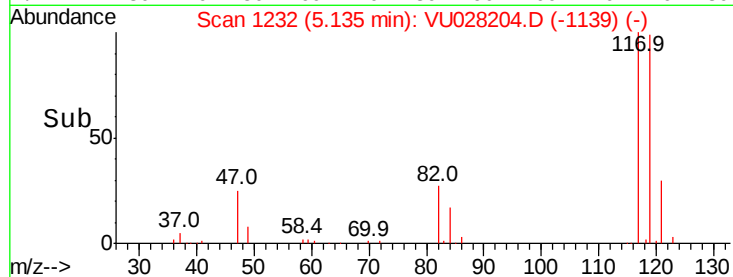
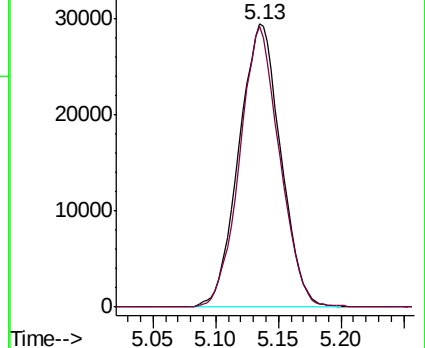
117 100

119 94.5 75.7 113.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.863 ug/L

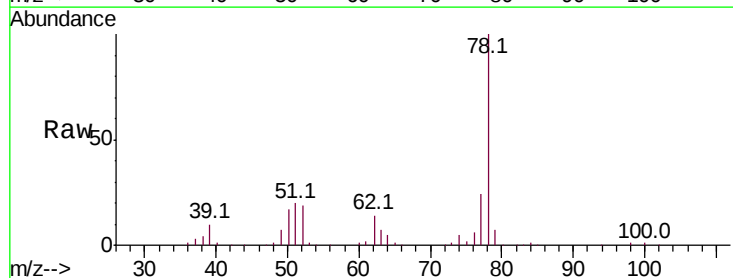
RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

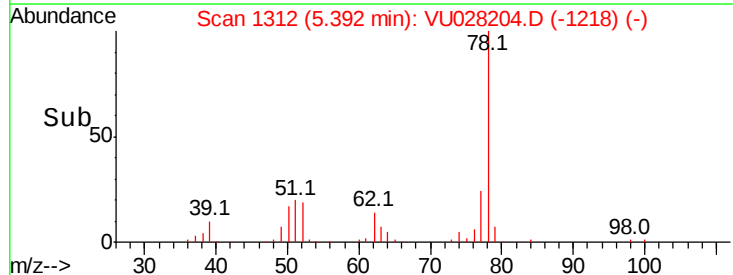
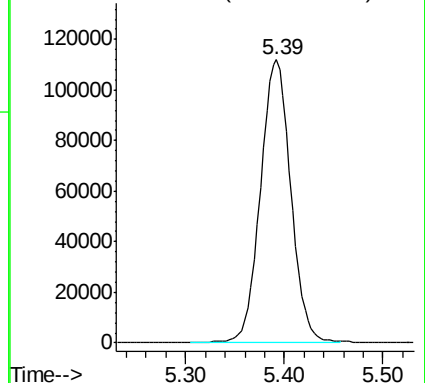
Lab File: VU028204.D

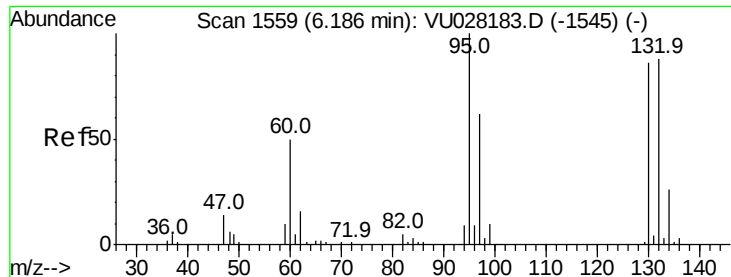
Acq: 16 Nov 2018 23:20

Tgt Ion: 78 Resp: 237729



Abundance Ion 78.10 (77.80 to 78.80): VU0

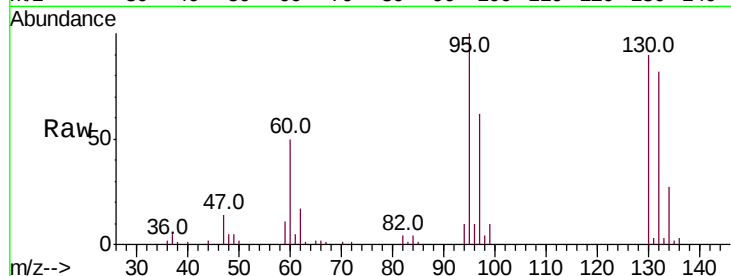




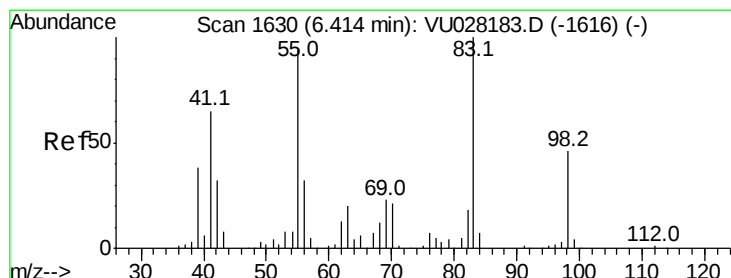
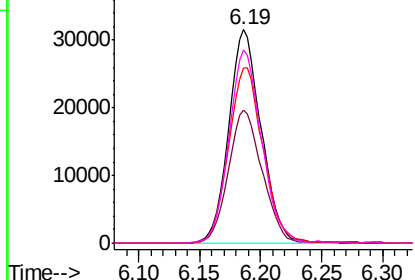
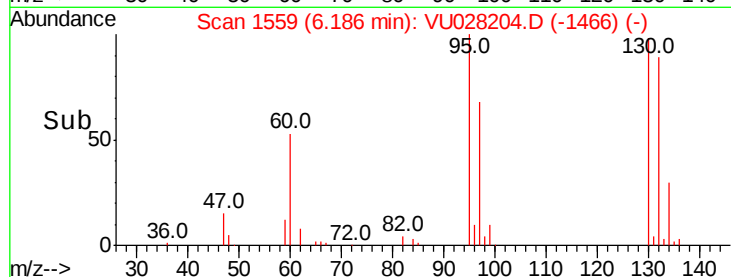
#34
 Trichloroethene
 Concen: 4.847 ug/L
 RT: 6.19 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: VU028204.D
 Acq: 16 Nov 2018 23:20

Instrument :
 MSVOA_U
 ClientSampleID :

Tot Ion: 95 Resp: 58561
 Ion Ratio Lower Upper
 95 100
 97 62.5 45.3 84.1
 132 82.0 63.0 117.0
 130 90.3 63.6 118.2

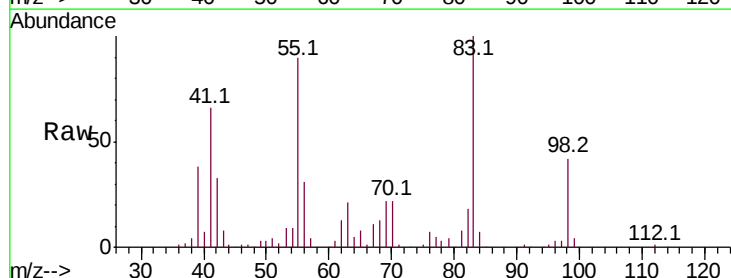


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

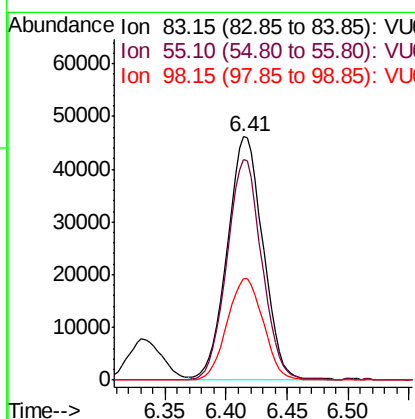
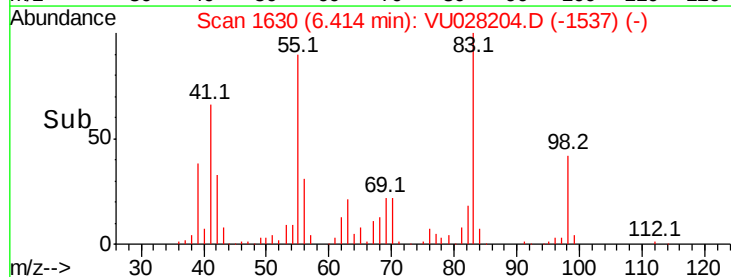


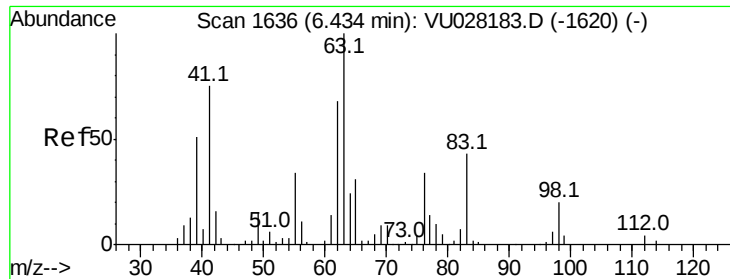
#35
 Methylcyclohexane
 Concen: 4.513 ug/L
 RT: 6.41 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VU028204.D
 Acq: 16 Nov 2018 23:20

Tgt Ion: 83 Resp: 93752
 Ion Ratio Lower Upper
 83 100
 55 88.9 69.0 103.4
 98 42.3 33.3 49.9



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

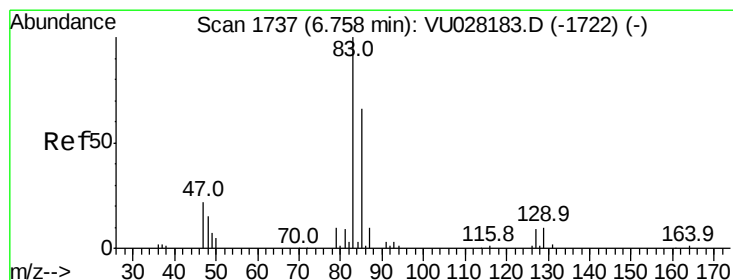
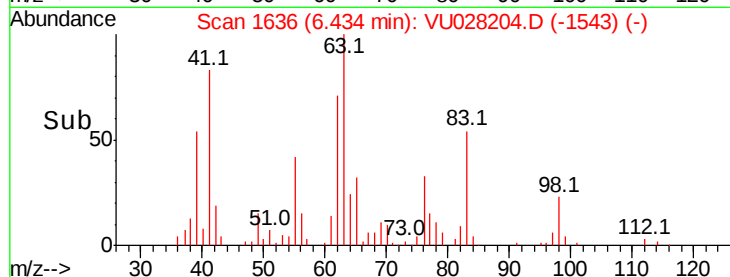
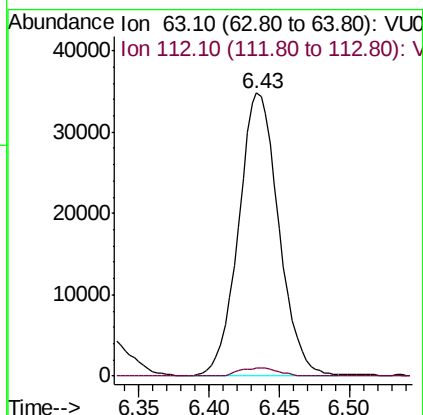
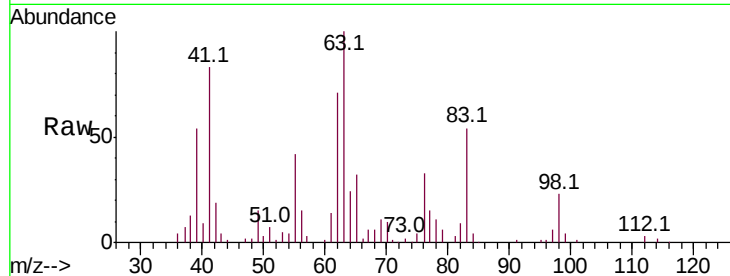




#37
 1,2-Dichloropropane
 Concen: 5.137 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU028204.D
 Acq: 16 Nov 2018 23:20

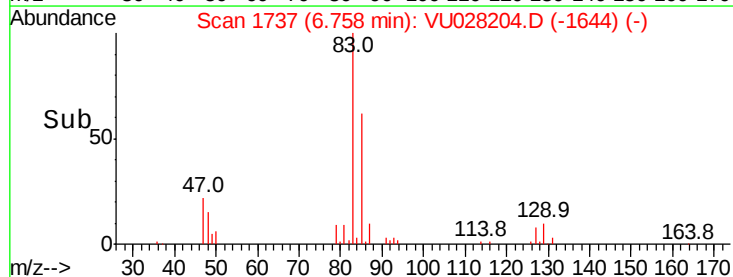
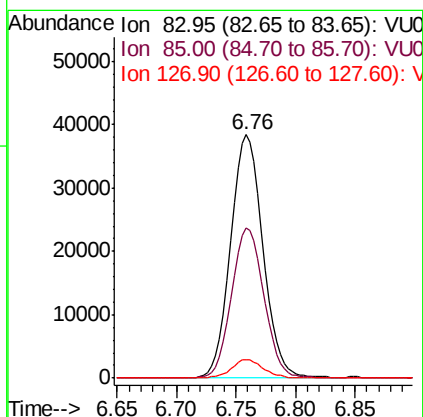
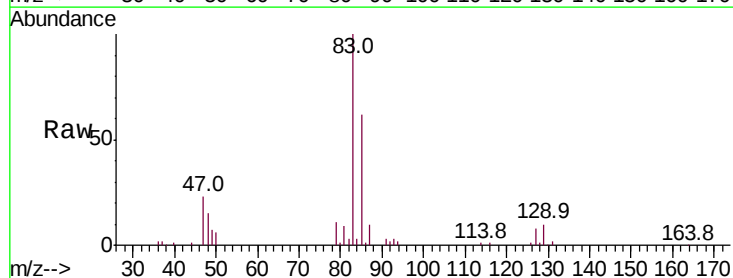
Instrument :
 MSVOA_U
 ClientSampled :

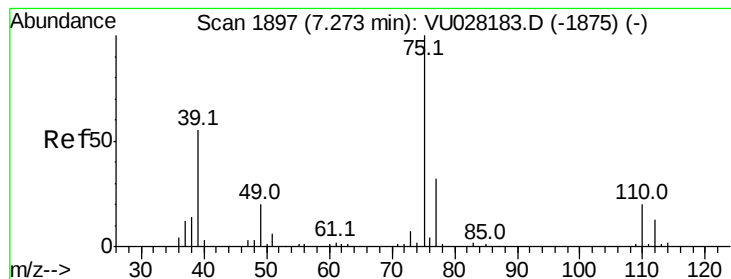
Tot Ion: 63 Resp: 69444
 Ion Ratio Lower Upper
 63 100
 112 2.9 2.2 3.4



#38
 Bromodichloromethane
 Concen: 5.036 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU028204.D
 Acq: 16 Nov 2018 23:20

Tgt Ion: 83 Resp: 72449
 Ion Ratio Lower Upper
 83 100
 85 61.6 44.5 82.7
 127 7.8 6.8 10.2



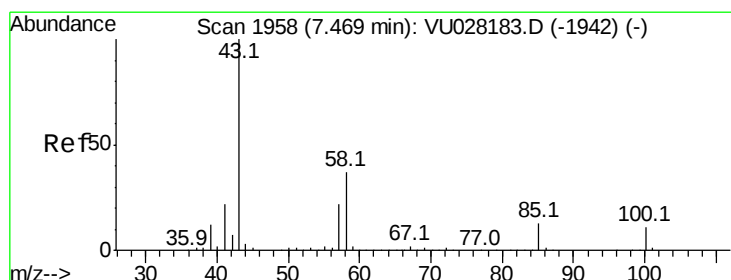
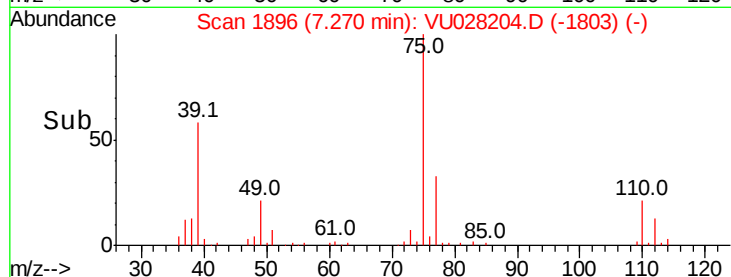
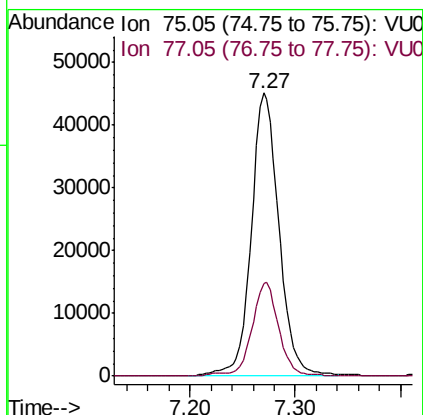
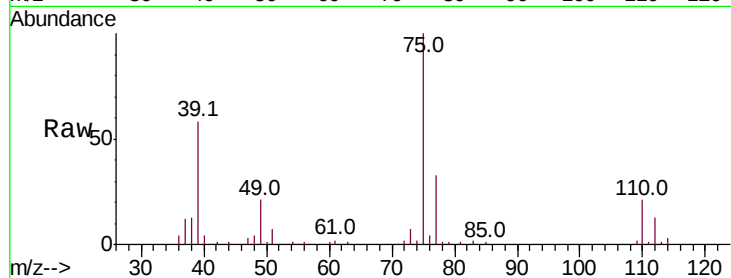


#39

cis-1,3-Dichloropropene
Concen: 4.529 ug/L
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU028204.D
Acq: 16 Nov 2018 23:20

Instrument :
MSVOA_U
ClientSampled :

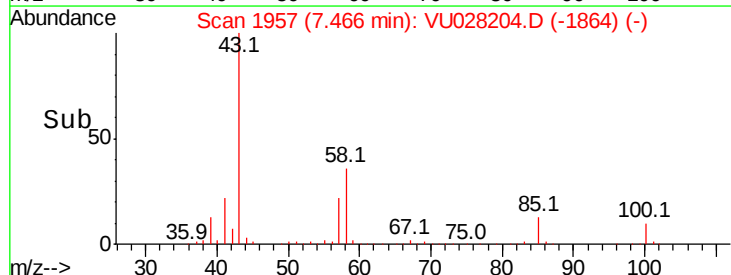
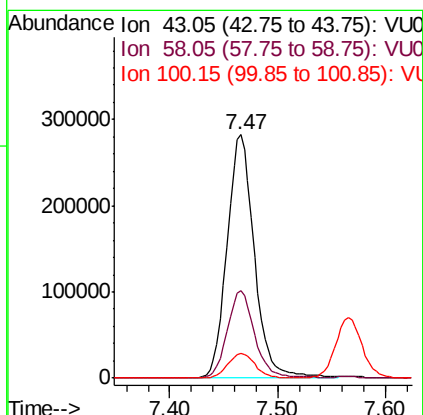
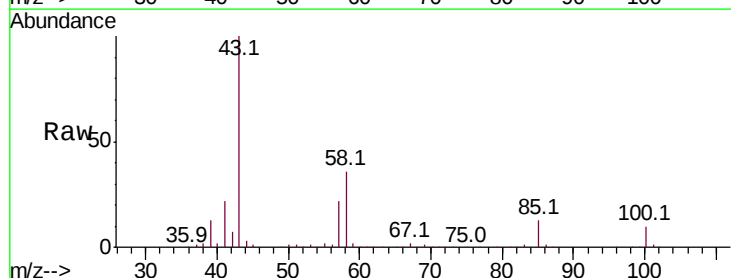
Tot Ion: 75 Resp: 82787
Ion Ratio Lower Upper
75 100
77 32.8 20.9 38.9

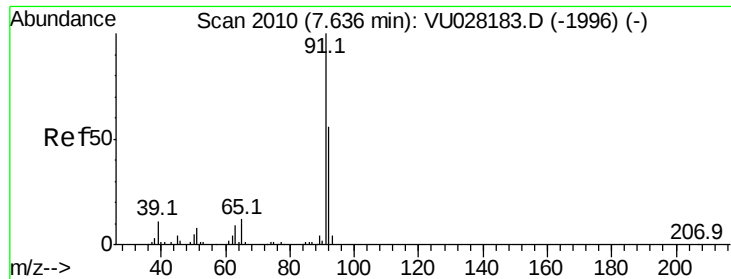


#40

4-Methyl-2-pentanone
Concen: 53.675 ug/L
RT: 7.47 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU028204.D
Acq: 16 Nov 2018 23:20

Tgt Ion: 43 Resp: 499717
Ion Ratio Lower Upper
43 100
58 35.8 29.9 44.9
100 10.3 9.1 13.7





#42

Toluene

Concen: 4.921 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028204.D

Acq: 16 Nov 2018 23:20

Instrument :

MSVOA_U

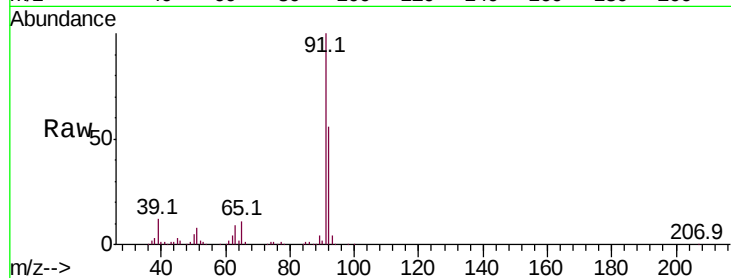
ClientSampleId :

Tot Ion: 91 Resp: 248071

Ion Ratio Lower Upper

91 100

92 56.3 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.64

150000

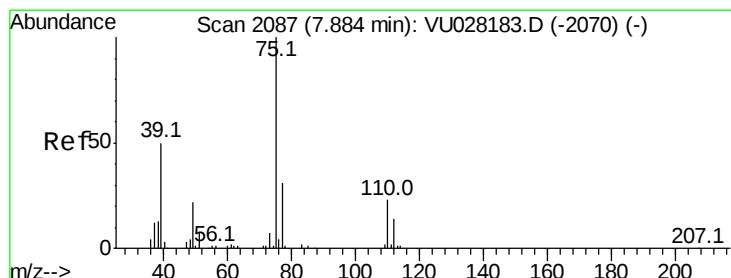
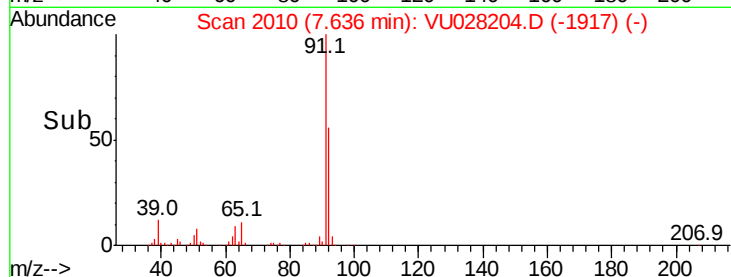
100000

50000

0

7.60 7.70 7.80

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.373 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028204.D

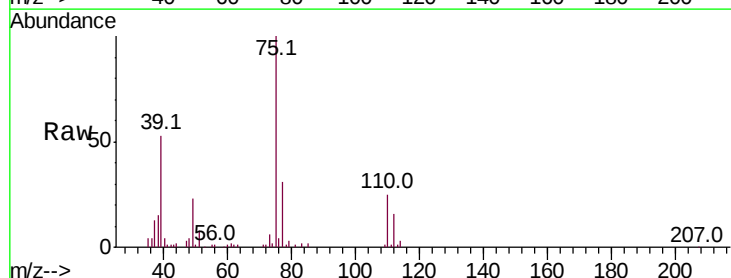
Acq: 16 Nov 2018 23:20

Tgt Ion: 75 Resp: 62640

Ion Ratio Lower Upper

75 100

77 30.6 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.88

40000

30000

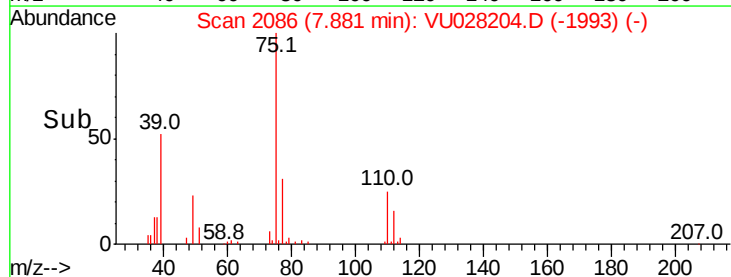
20000

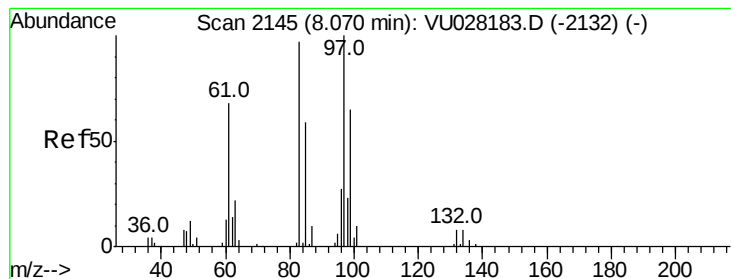
10000

0

7.80 7.85 7.90 7.95

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.079 ug/L

RT: 8.07 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU028204.D

Acq: 16 Nov 2018 23:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 41451

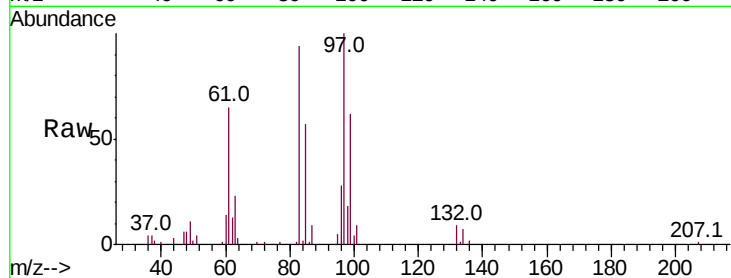
Ion Ratio Lower Upper

97 100

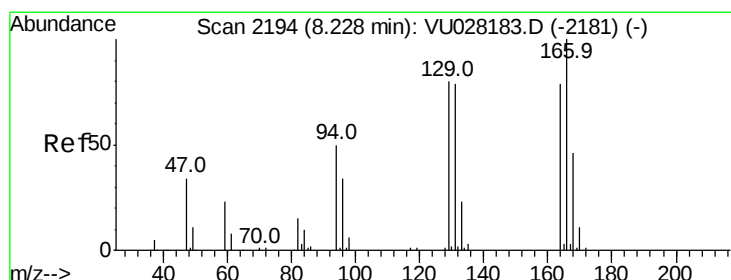
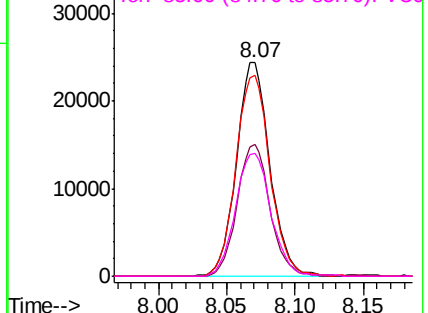
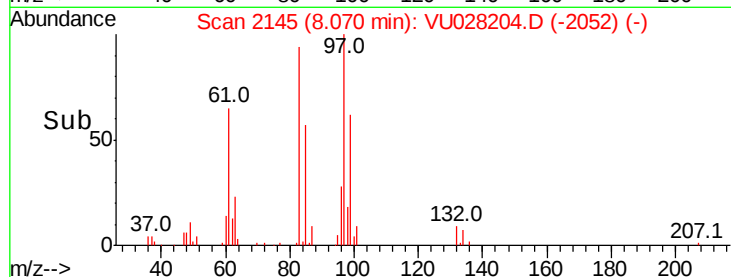
99 61.7 42.1 78.1

83 94.0 63.7 118.3

85 57.4 40.6 75.4



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: 4.184 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU028204.D

Acq: 16 Nov 2018 23:20

Tgt Ion: 164 Resp: 41103

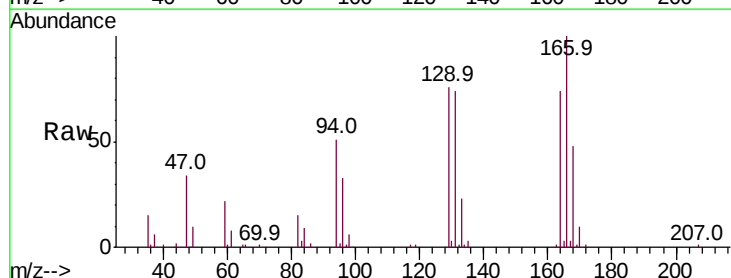
Ion Ratio Lower Upper

164 100

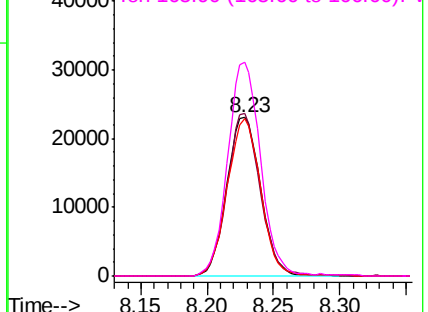
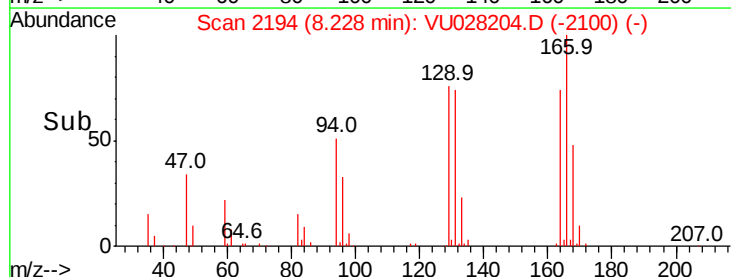
129 102.9 69.7 129.4

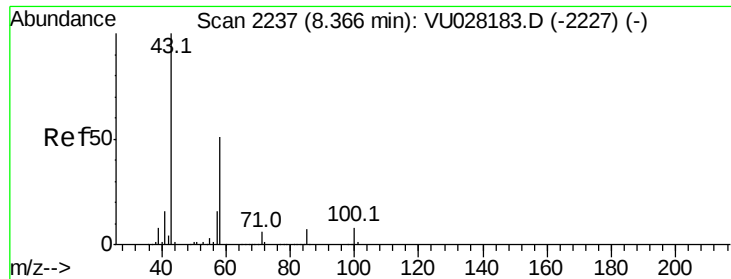
131 99.1 64.0 118.8

166 134.9 86.4 160.4



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

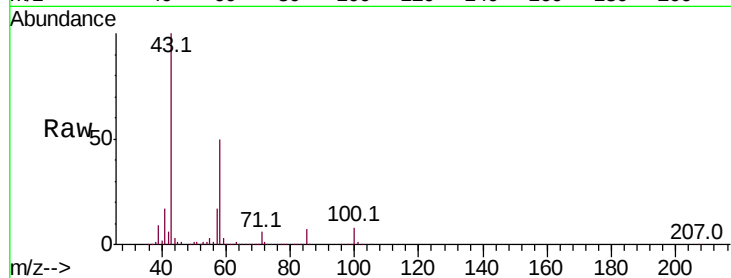




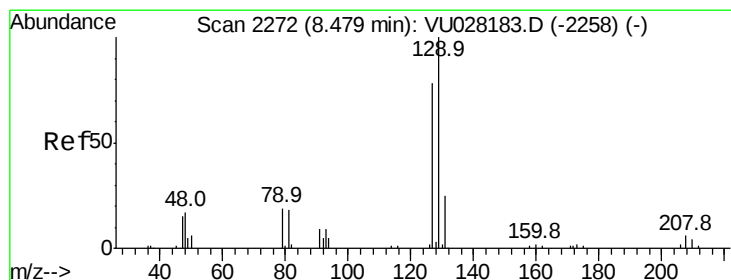
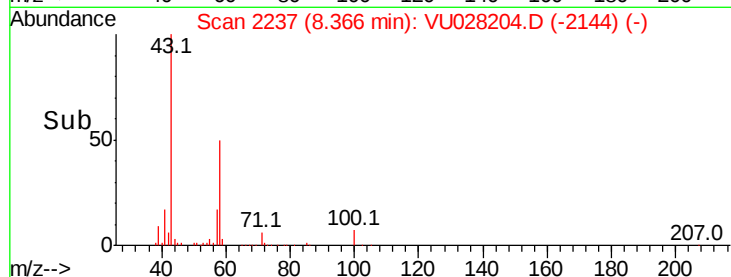
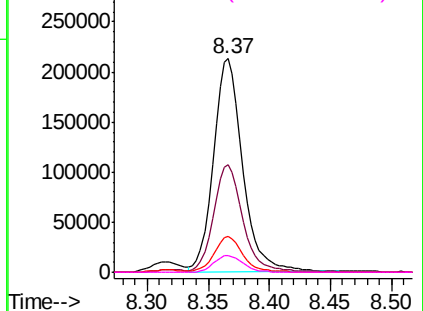
#48
2-Hexanone
Concen: 53.860 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU028204.D
Acq: 16 Nov 2018 23:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 356795
Ion Ratio Lower Upper
43 100
58 50.3 41.7 62.5
57 16.5 14.0 21.0
100 8.1 7.2 10.8

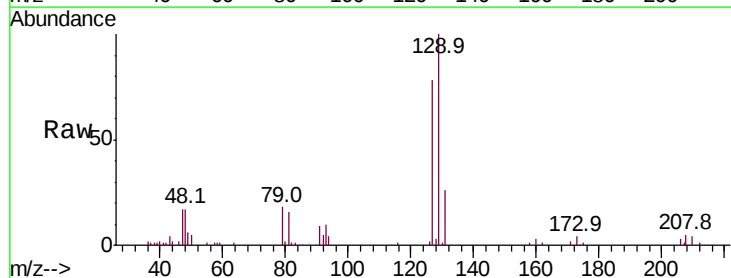


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

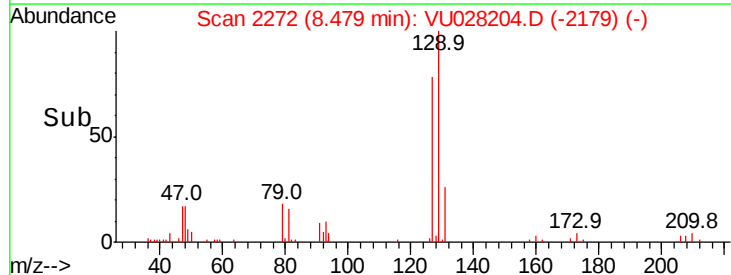
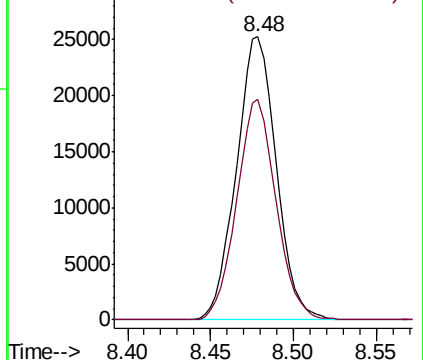


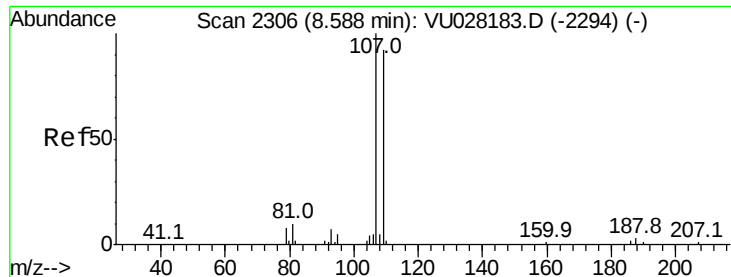
#49
Dibromochloromethane
Concen: 4.872 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU028204.D
Acq: 16 Nov 2018 23:20

Tgt Ion: 129 Resp: 42331
Ion Ratio Lower Upper
129 100
127 77.8 54.1 100.5



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

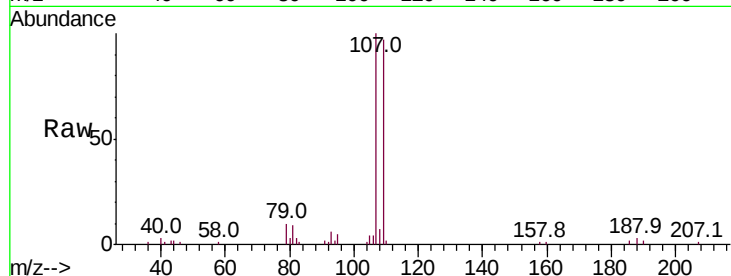




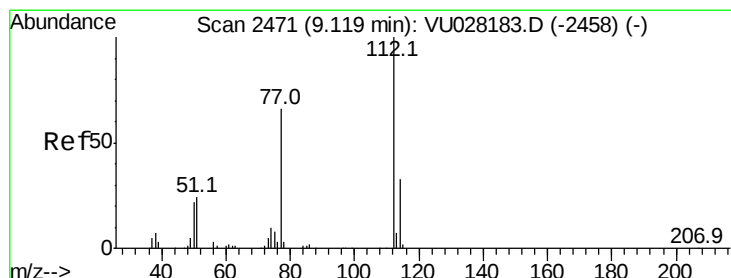
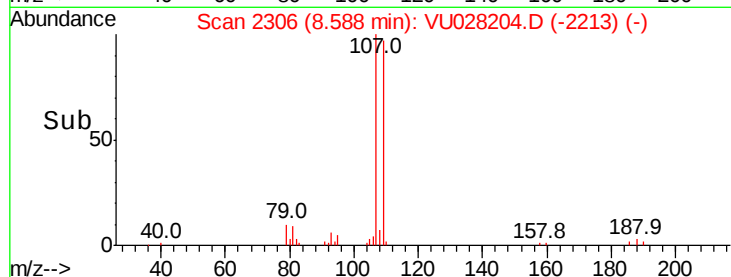
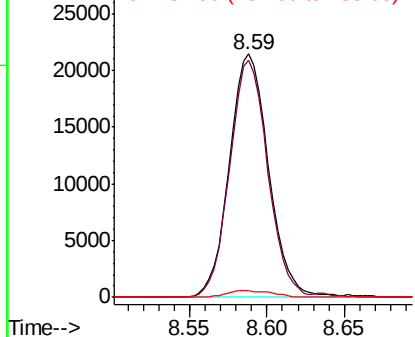
#50
1,2-Dibromoethane
Concen: 4.904 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU028204.D
Acq: 16 Nov 2018 23:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 37683
Ion Ratio Lower Upper
107 100
109 97.3 66.6 123.8
188 2.9 2.5 3.7

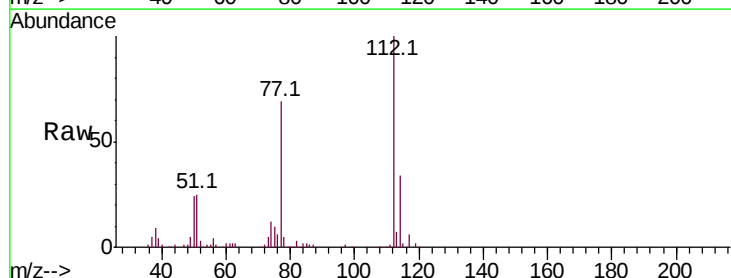


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

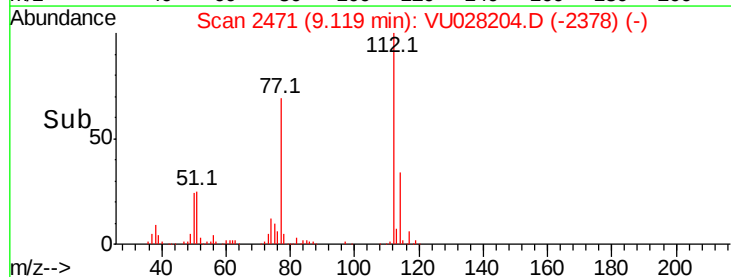
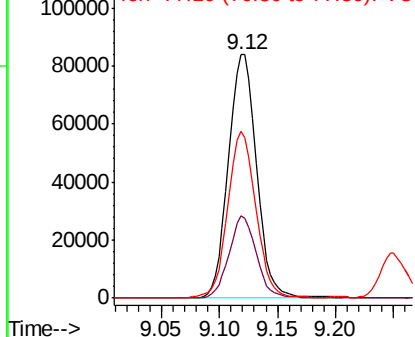


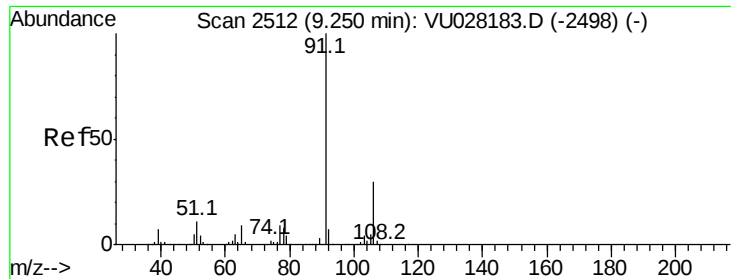
#51
Chlorobenzene
Concen: 4.788 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028204.D
Acq: 16 Nov 2018 23:20

Tgt Ion:112 Resp: 141117
Ion Ratio Lower Upper
112 100
114 33.8 22.5 41.7
77 68.7 51.3 76.9



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





#52

Ethylbenzene

Concen: 4.877 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028204.D

Acq: 16 Nov 2018 23:20

Instrument :

MSVOA_U

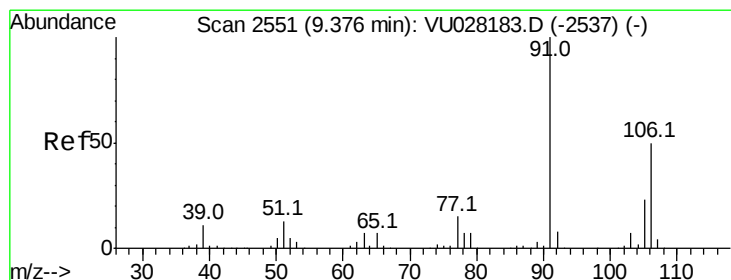
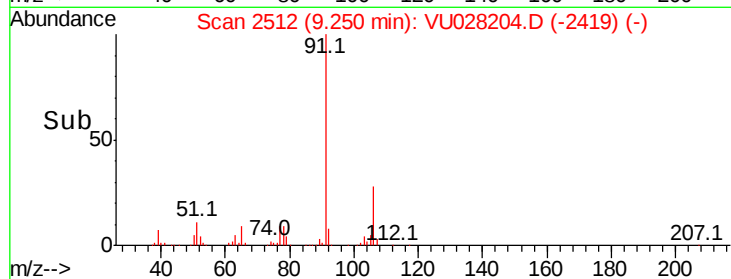
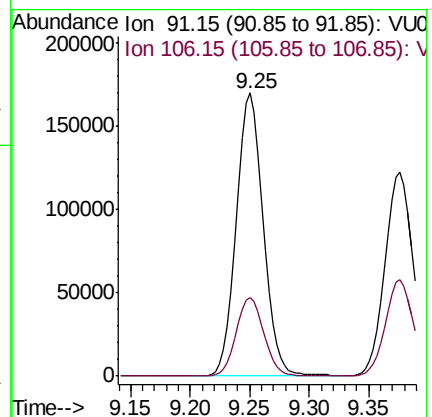
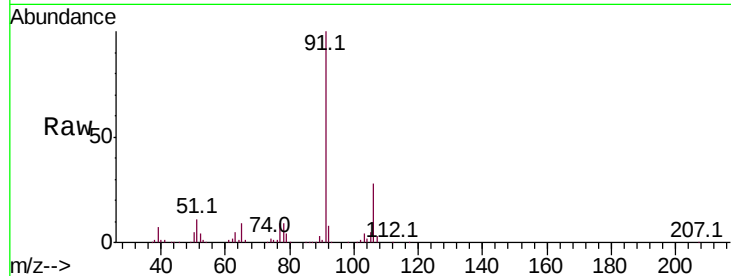
ClientSampleId :

Tot Ion: 91 Resp: 268343

Ion Ratio Lower Upper

91 100

106 27.6 20.9 38.7



#53

m,p-xylene

Concen: 4.703 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU028204.D

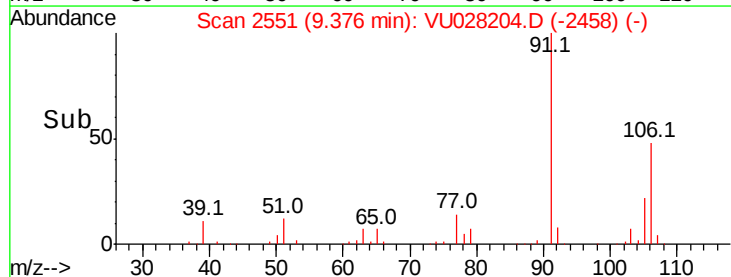
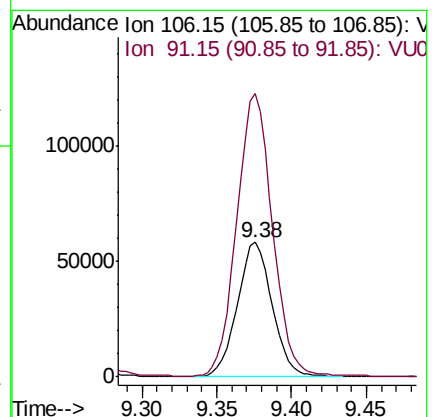
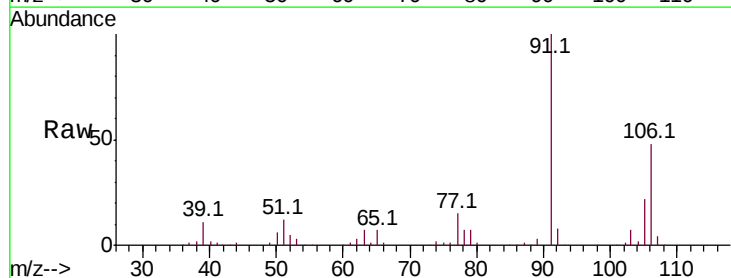
Acq: 16 Nov 2018 23:20

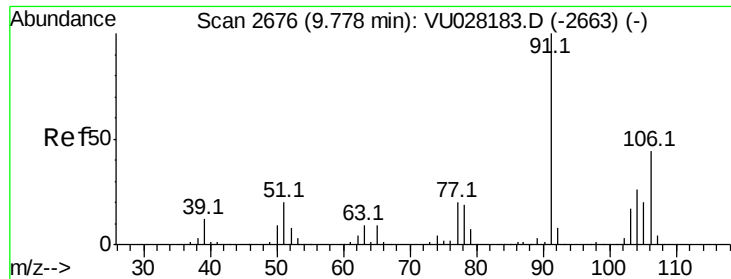
Tgt Ion: 106 Resp: 94273

Ion Ratio Lower Upper

106 100

91 210.2 145.7 270.7

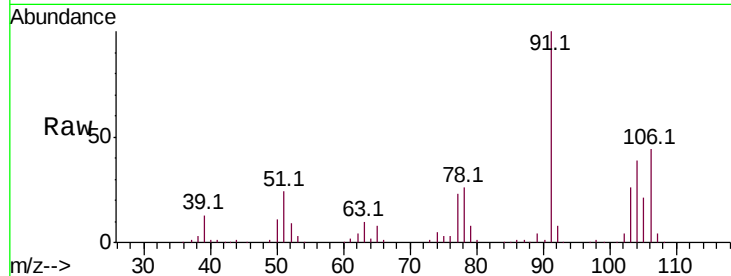




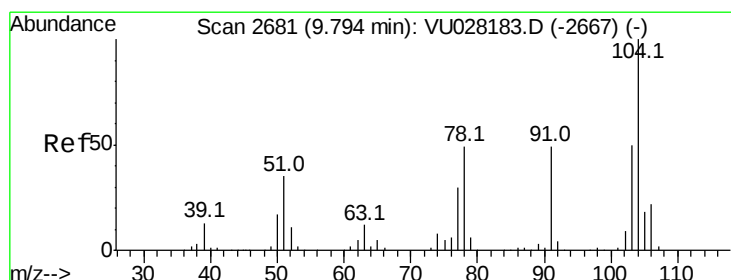
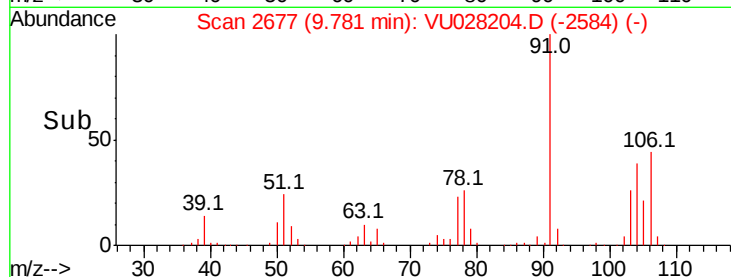
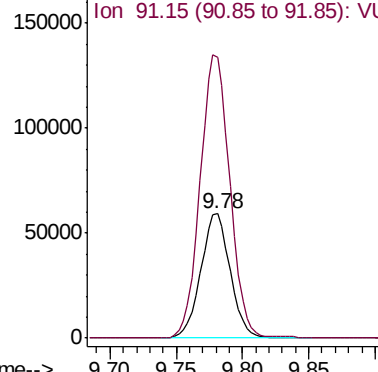
#54
o-xylene
Concen: 4.734 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028204.D
Acq: 16 Nov 2018 23:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 91370
Ion Ratio Lower Upper
106 100
91 225.7 158.7 294.7

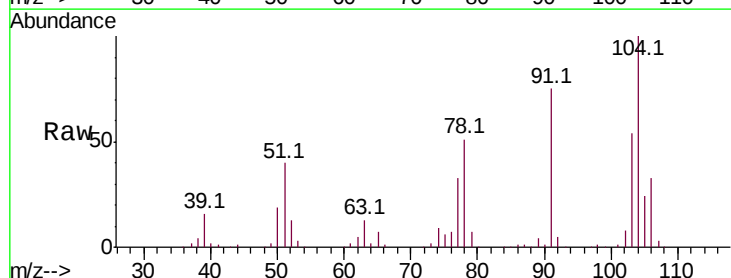


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

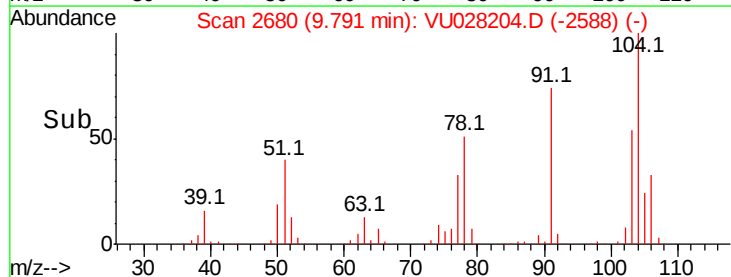
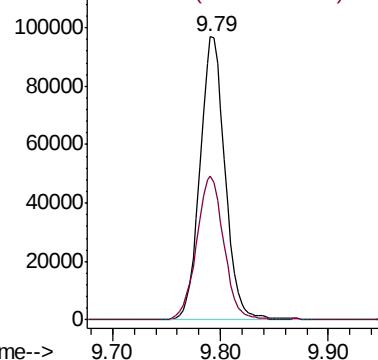


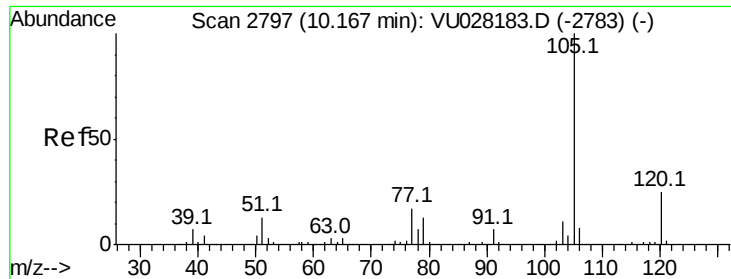
#55
Styrene
Concen: 4.827 ug/L
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028204.D
Acq: 16 Nov 2018 23:20

Tgt Ion:104 Resp: 157521
Ion Ratio Lower Upper
104 100
78 51.0 34.5 64.1



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





#56

Isopropylbenzene

Concen: 4.721 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028204.D

Acq: 16 Nov 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

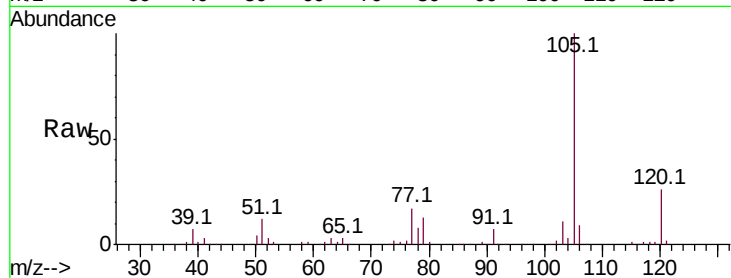
Tot Ion:105 Resp: 246441

Ion Ratio Lower Upper

105 100

120 25.1 20.5 30.7

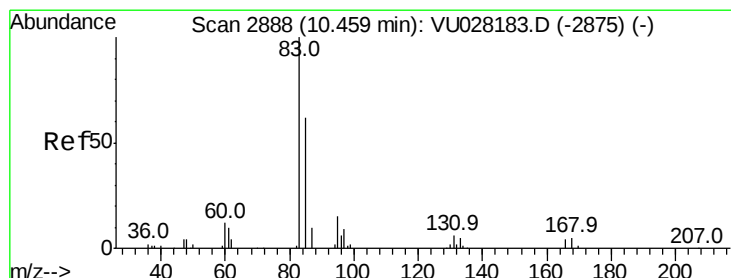
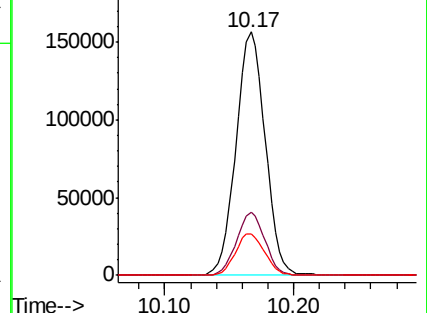
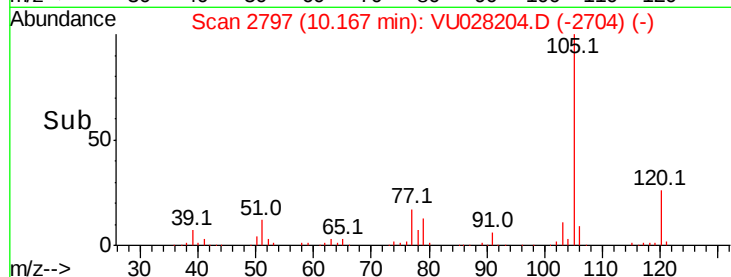
77 17.0 13.3 19.9



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: 5.046 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU028204.D

Acq: 16 Nov 2018 23:20

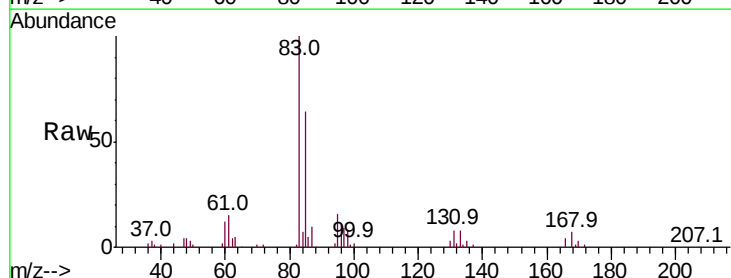
Tgt Ion: 83 Resp: 53083

Ion Ratio Lower Upper

83 100

85 64.1 46.7 86.7

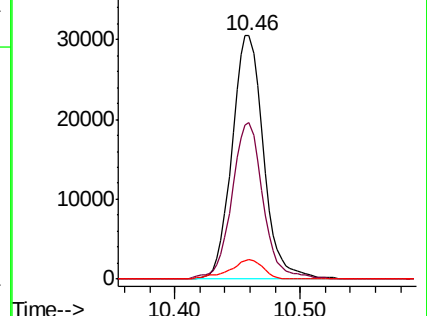
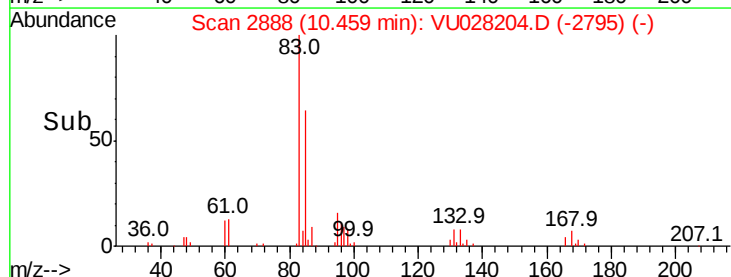
131 7.9 5.9 8.9

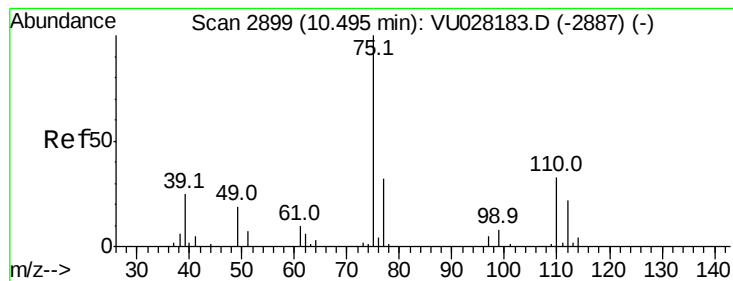


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.128 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU028204.D

Acq: 16 Nov 2018 23:20

Instrument :

MSVOA_U

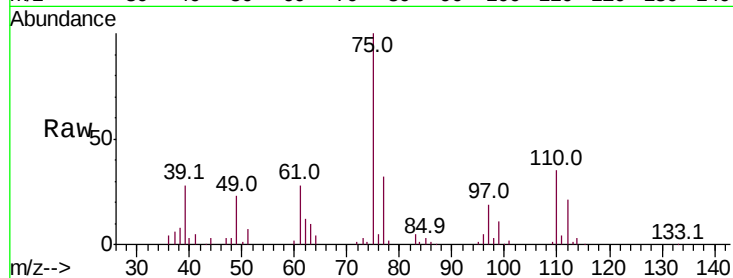
ClientSampled :

Tot Ion: 75 Resp: 38938

Ion Ratio Lower Upper

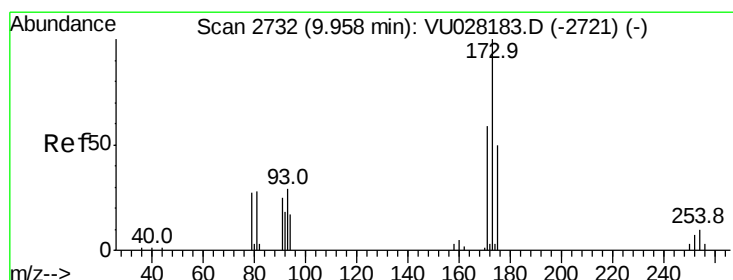
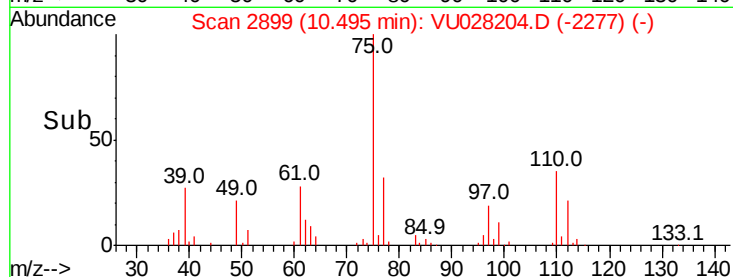
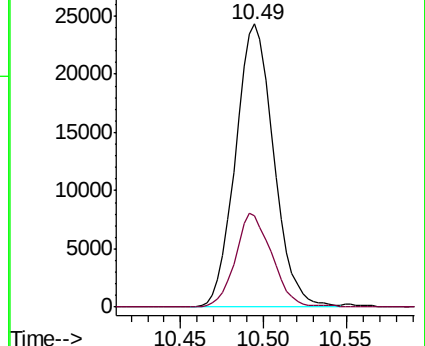
75 100

77 31.8 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#61

Bromoform

Concen: 4.455 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028204.D

Acq: 16 Nov 2018 23:20

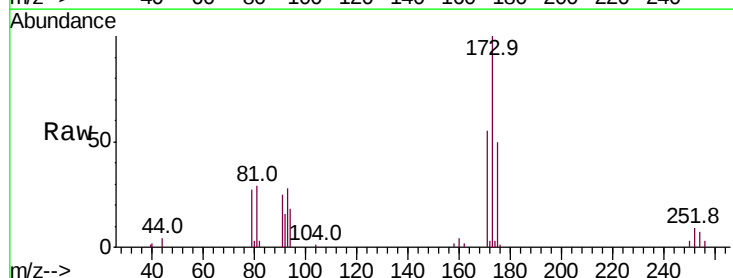
Tgt Ion:173 Resp: 21861

Ion Ratio Lower Upper

173 100

175 47.1 38.2 57.2

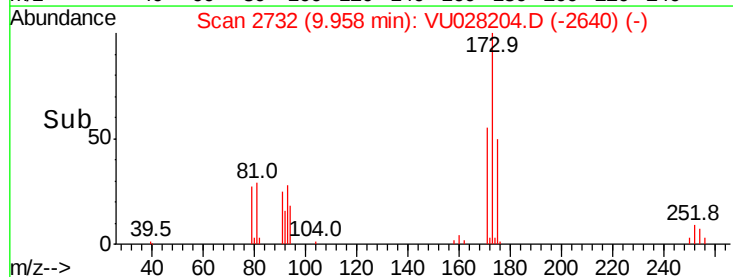
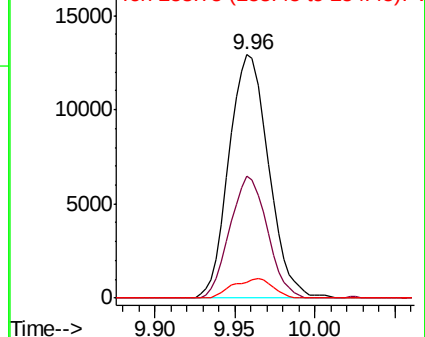
254 7.9 7.1 10.7

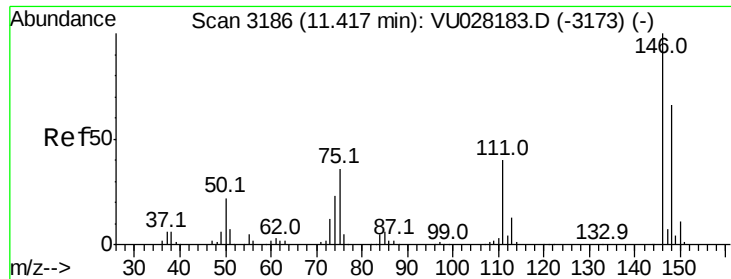


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

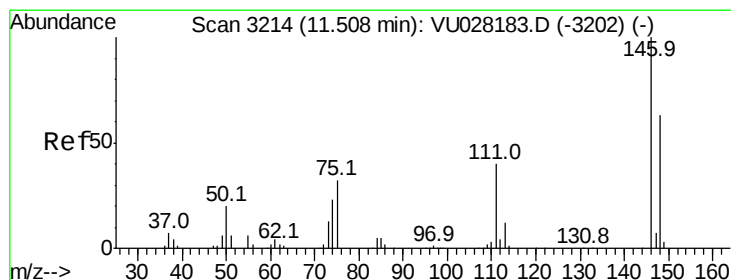
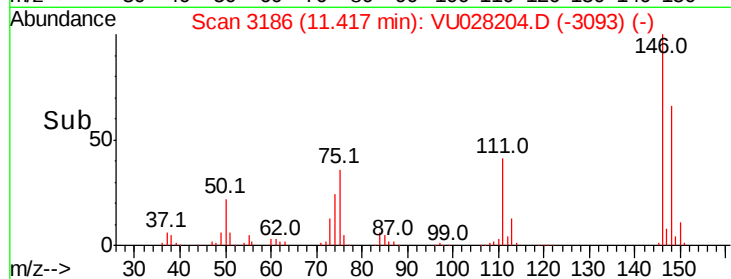
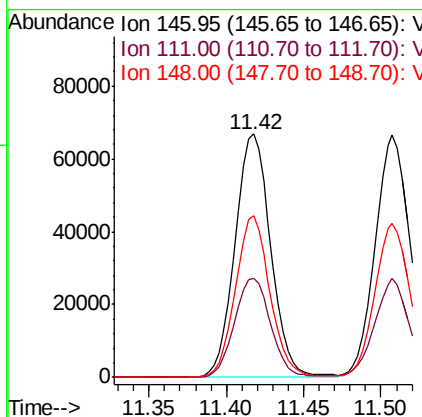
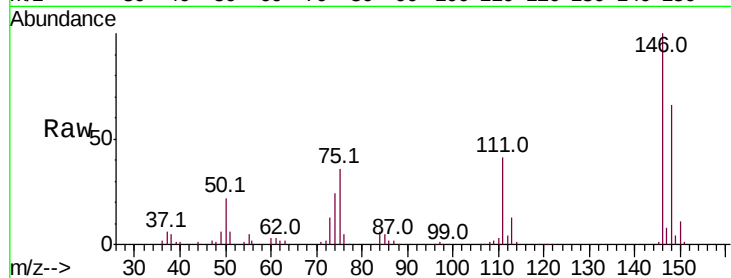




#62
 1,3-Dichlorobenzene
 Concen: 4.664 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU028204.D
 Acq: 16 Nov 2018 23:20

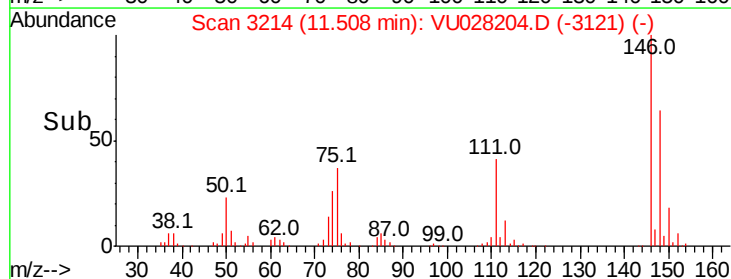
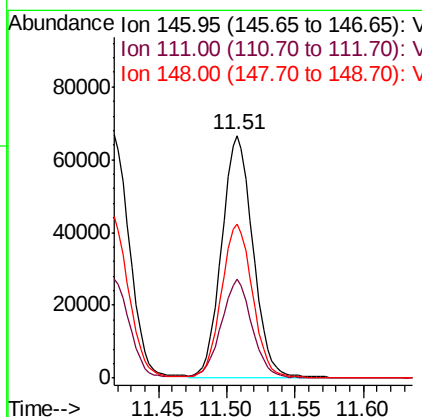
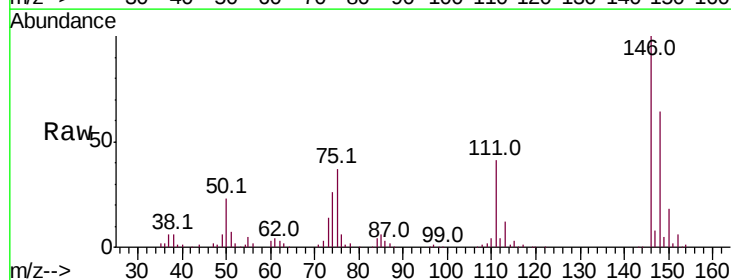
Instrument :
 MSVOA_U
 ClientSampled :

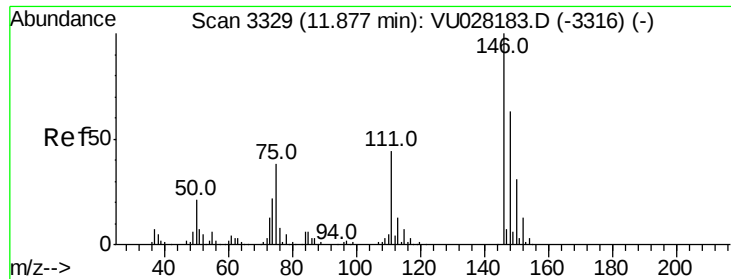
Tot Ion:146 Resp: 107022
 Ion Ratio Lower Upper
 146 100
 111 40.8 29.3 54.3
 148 66.4 44.1 81.9



#63
 1,4-Dichlorobenzene
 Concen: 4.590 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028204.D
 Acq: 16 Nov 2018 23:20

Tgt Ion:146 Resp: 106601
 Ion Ratio Lower Upper
 146 100
 111 40.6 27.4 51.0
 148 63.6 43.8 81.3

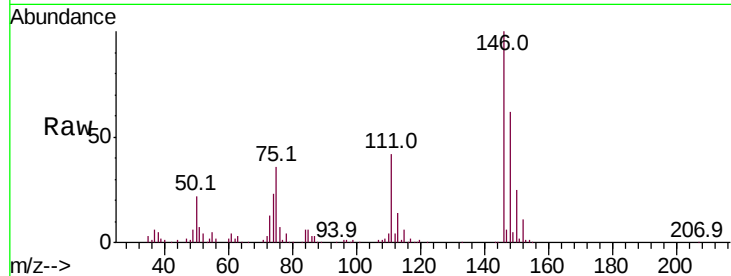




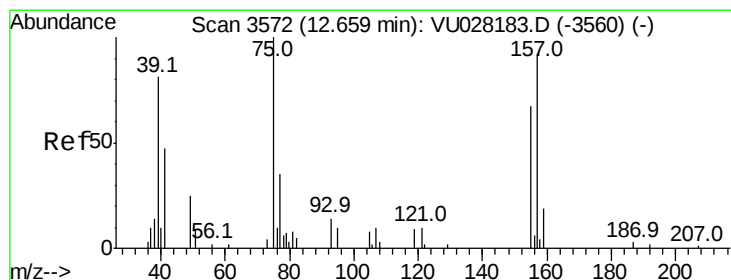
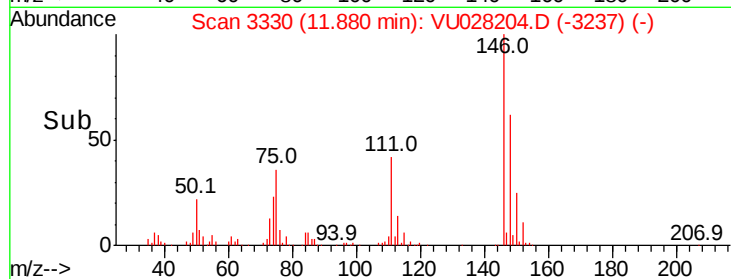
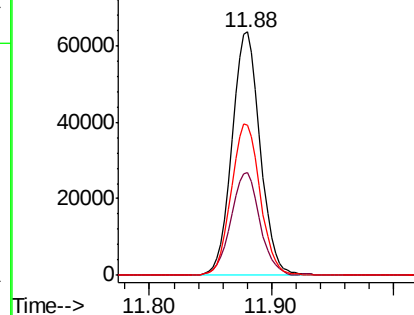
#65
 1,2-Dichlorobenzene
 Concen: 4.692 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028204.D
 Acq: 16 Nov 2018 23:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 102957
 Ion Ratio Lower Upper
 146 100
 111 42.1 33.9 50.9
 148 61.7 50.9 76.3

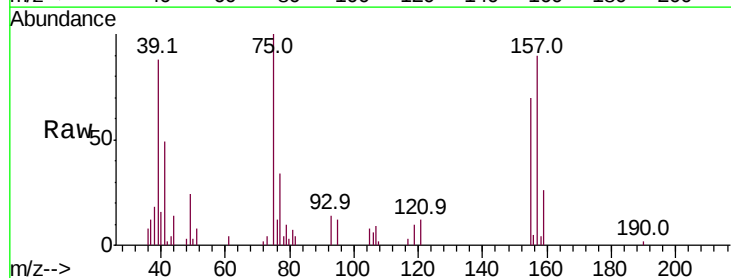


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

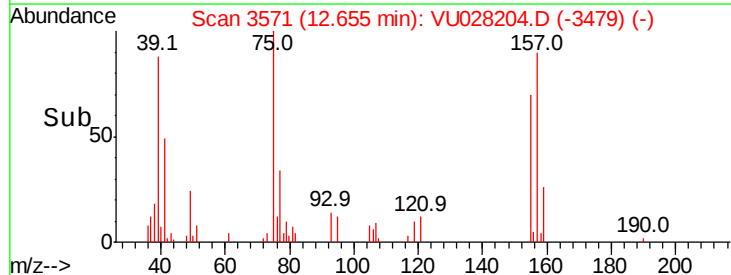
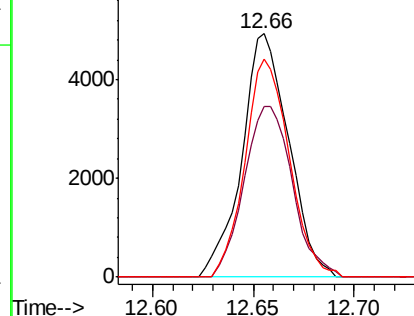


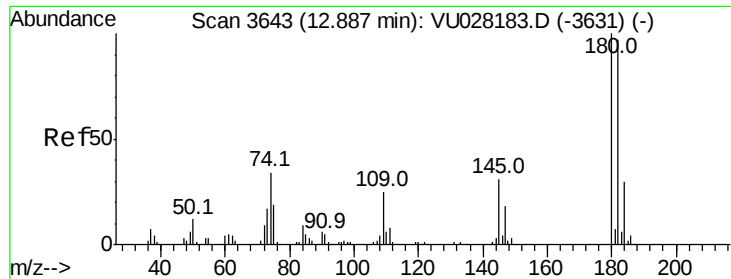
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.030 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028204.D
 Acq: 16 Nov 2018 23:20

Tgt Ion: 75 Resp: 8008
 Ion Ratio Lower Upper
 75 100
 155 70.3 62.8 94.2
 157 89.8 85.3 127.9



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

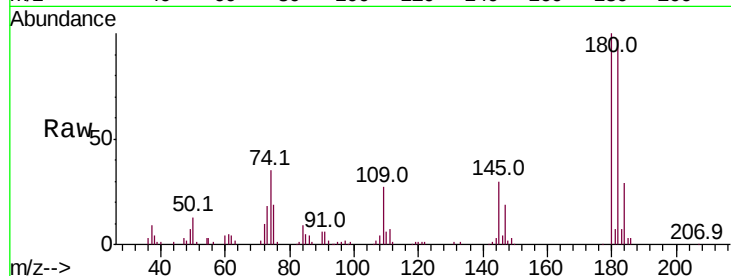




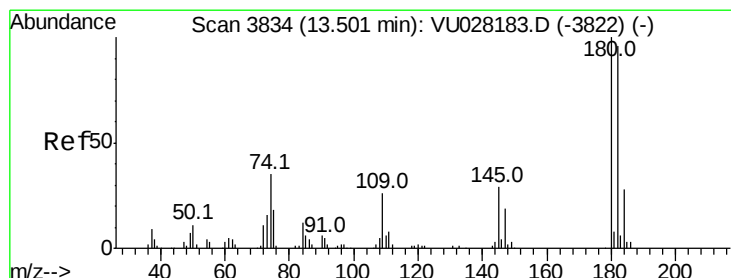
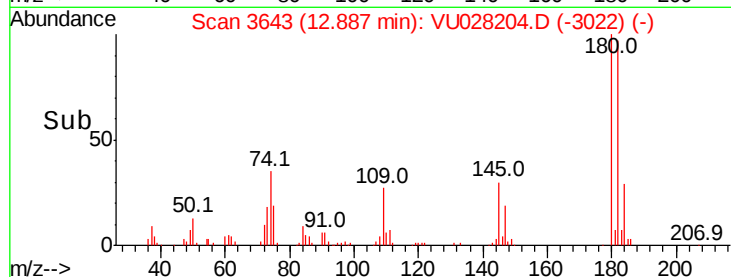
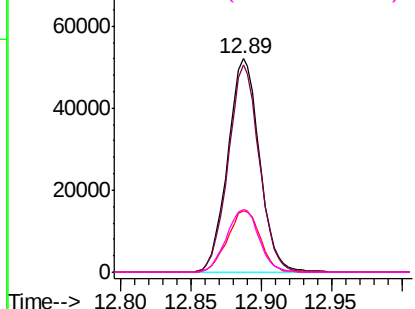
#67
 1,3,5-Trichlorobenzene
 Concen: 4.659 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. -0.00 min
 Lab File: VU028204.D
 Acq: 16 Nov 2018 23:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	82015
Ion	Ratio	Lower Upper
180	100	
182	94.9	76.6 114.8
184	29.8	24.7 37.1
145	30.0	24.0 36.0

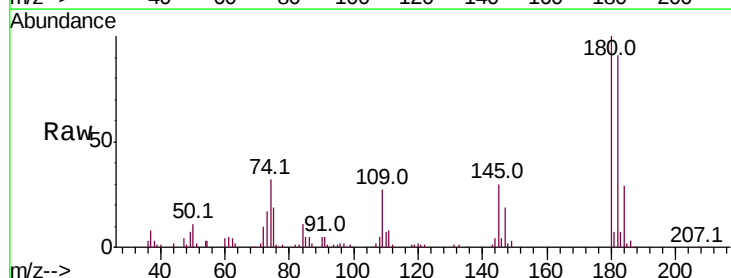


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

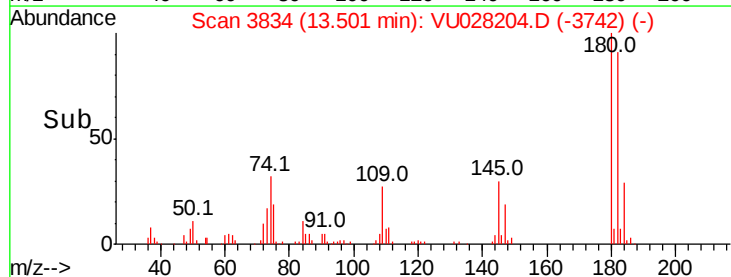
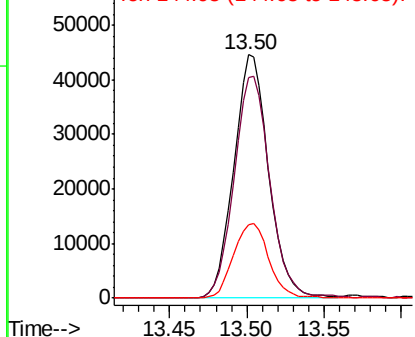


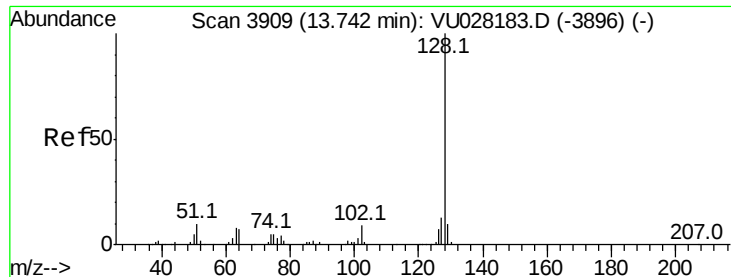
#68
 1,2,4-trichlorobenzene
 Concen: 4.531 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028204.D
 Acq: 16 Nov 2018 23:20

Tgt Ion:180	Resp:	69518
Ion	Ratio	Lower Upper
180	100	
182	93.9	75.1 112.7
145	31.2	23.4 35.0



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

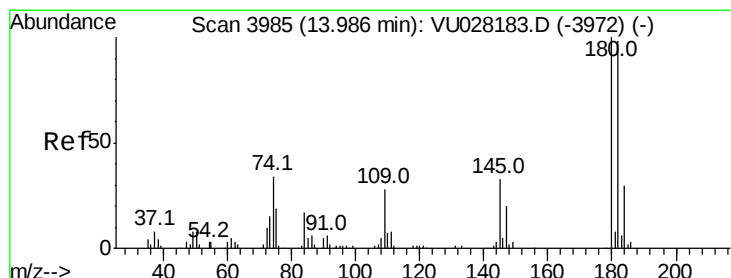
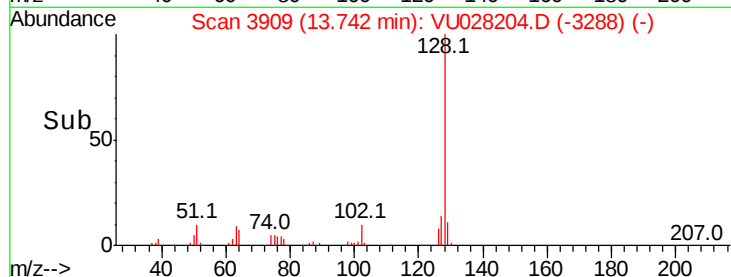
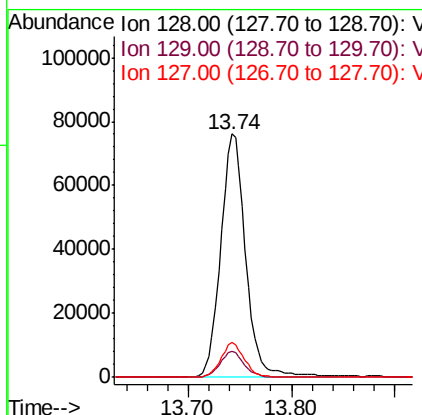
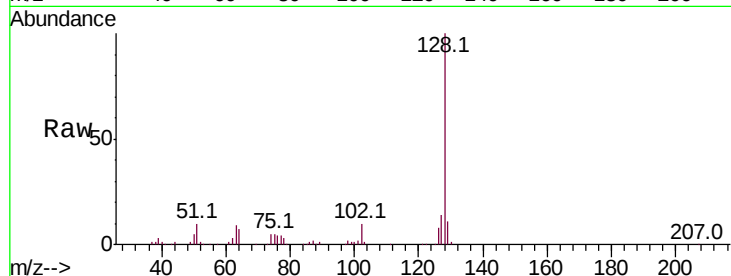




#69
Naphthalene
Concen: 4.479 ug/L
RT: 13.74 min Scan# 3909
Delta R.T. -0.00 min
Lab File: VU028204.D
Acq: 16 Nov 2018 23:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 128072
Ion Ratio Lower Upper
128 100
129 10.2 8.5 12.7
127 13.3 10.2 15.4



#70
1,2,3-Trichlorobenzene
Concen: 4.913 ug/L
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU028204.D
Acq: 16 Nov 2018 23:20

Tgt Ion:180 Resp: 69436
Ion Ratio Lower Upper
180 100
182 92.7 77.6 116.4
145 30.2 26.2 39.4

