

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041919\
 Data File : VU031297.D
 Acq On : 18 Apr 2019 10:34
 Operator : JC/SP
 Sample : VSTD0.503
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Quant Time: Apr 19 04:03:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 19 03:57:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	250922	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	232518	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	103142	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	13408	0.47	ug/L	0.00
7) Chloroethane-d5	1.68	69	10479	0.47	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	27744	0.50	ug/L	0.00
20) 2-Butanone-d5	4.24	46	11028	2.04	ug/L	0.03
24) Chloroform-d	4.64	84	15701	0.44	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	8663	0.45	ug/L	0.00
32) Benzene-d6	5.33	84	29440	0.45	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	8604	0.42	ug/L	0.00
41) Toluene-d8	7.56	98	25336	0.44	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	3304	0.41	ug/L	0.02
46) 2-Hexanone-d5	8.33	63	13930	3.69	ug/L	0.02
57) 1,1,2,2-Tetrachloroethane-	10.43	84	7529	0.44	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	9927	0.49	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	14748	0.511 ug/L	95
3) Chloromethane	1.32	50	21927	0.561 ug/L	98
5) Vinyl chloride	1.40	62	20068	0.504 ug/L	89
6) Bromomethane	1.63	94	11354	0.515 ug/L	96
8) Chloroethane	1.70	64	12089	0.533 ug/L	89
9) Trichlorofluoromethane	1.88	101	27327	0.546 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	14063	0.520 ug/L	99
12) 1,1-Dichloroethene	2.27	96	15191	0.564 ug/L	91
13) Acetone	2.36	43	31476	5.231 ug/L	98
14) Carbon disulfide	2.47	76	47796	0.532 ug/L	98
15) Methyl Acetate	2.63	43	9517	0.579 ug/L #	74
16) Methylene chloride	2.69	84	22368	0.684 ug/L	93
17) Methyl tert-butyl Ether	3.00	73	38262	0.530 ug/L	97
18) trans-1,2-Dichloroethene	2.97	96	16180	0.569 ug/L	92
19) 1,1-Dichloroethane	3.43	63	19218	0.485 ug/L #	96
21) 2-Butanone	4.31	43	10598	1.705 ug/L	89
22) cis-1,2-Dichloroethene	4.22	96	11520	0.524 ug/L	83
23) Bromochloromethane	4.55	128	5005	0.511 ug/L #	90
25) Chloroform	4.67	83	21505	0.551 ug/L	90
27) 1,2-Dichloroethane	5.41	62	12799	0.508 ug/L	98
29) 1,1,1-Trichloroethane	4.91	97	16098	0.513 ug/L	99
30) Cyclohexane	4.98	56	16361	0.512 ug/L	97
31) Carbon tetrachloride	5.12	117	15020	0.536 ug/L	91
33) Benzene	5.38	78	41191	0.522 ug/L	100
34) Trichloroethene	6.18	95	12602	0.591 ug/L	88
35) Methylcyclohexane	6.40	83	14415	0.491 ug/L	97
37) 1,2-Dichloropropane	6.43	63	11090	0.533 ug/L #	96
38) Bromodichloromethane	6.76	83	13407	0.516 ug/L	98
40) 4-Methyl-2-pentanone	7.47	43	64618	4.837 ug/L	99
42) Toluene	7.63	91	37394	0.470 ug/L	98

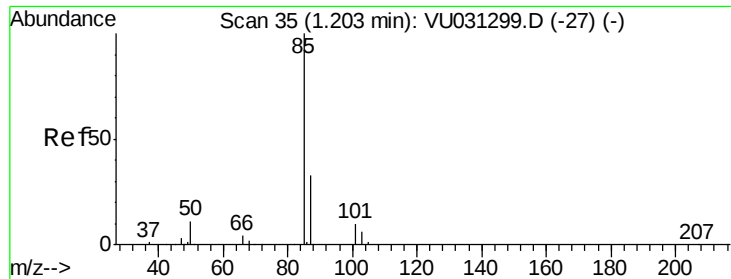
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041919\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 19 03:57:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.89	75	11282	0.491	ug/L	96
45) 1,1,2-Trichloroethane	8.07	97	8111	0.547	ug/L	97
47) Tetrachloroethene	8.22	164	8469	0.533	ug/L	92
48) 2-Hexanone	8.38	43	44305	4.673	ug/L	93
49) Dibromochloromethane	8.48	129	9223	0.520	ug/L	99
50) 1,2-Dibromoethane	8.58	107	6435	0.458	ug/L	92
51) Chlorobenzene	9.12	112	25832	0.518	ug/L	96
52) Ethylbenzene	9.25	91	38907	0.473	ug/L	98
53) m,p-Xylene	9.37	106	13672	0.463	ug/L	89
54) o-Xylene	9.78	106	13602	0.467	ug/L	97
55) Styrene	9.79	104	19724	0.408	ug/L	90
56) Isopropylbenzene	10.16	105	33923	0.444	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	10257	0.541	ug/L #	89
59) 1,2,3-Trichloropropane	10.49	75	7476	0.551	ug/L	90
61) Bromoform	9.96	173	5053	0.510	ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	17460	0.515	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	17899	0.524	ug/L	90
65) 1,2-Dichlorobenzene	11.88	146	18453	0.534	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.66	75	1345	0.479	ug/L	90
67) 1,3,5-Trichlorobenzene	12.89	180	13856	0.497	ug/L	95
68) 1,2,4-trichlorobenzene	13.51	180	9166	0.456	ug/L	99
69) Naphthalene	13.75	128	14041	0.400	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	8937	0.429	ug/L	93

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



#2

Dichlorodifluoromethane

Concen: 0.511 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031297.D

Acq: 18 Apr 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

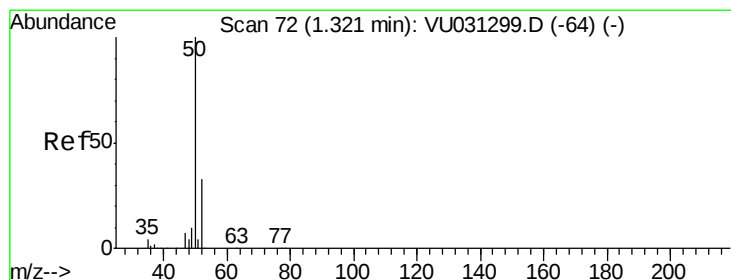
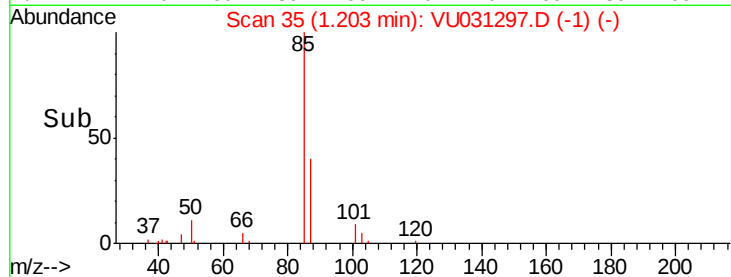
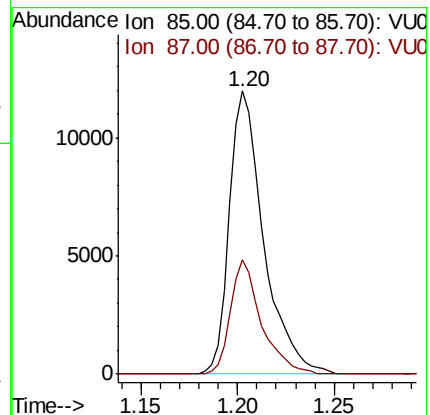
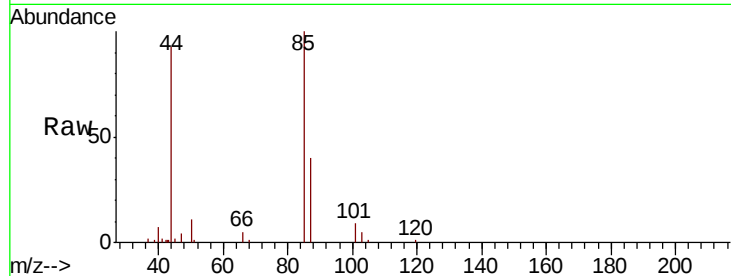
VSTD0.503

Tgt Ion: 85 Resp: 14748

Ion Ratio Lower Upper

85 100

87 36.1 26.8 40.2



#3

Chloromethane

Concen: 0.561 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU031297.D

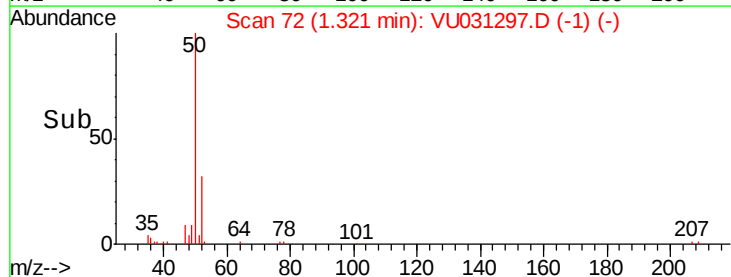
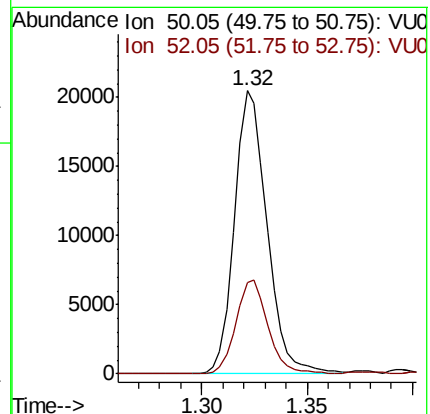
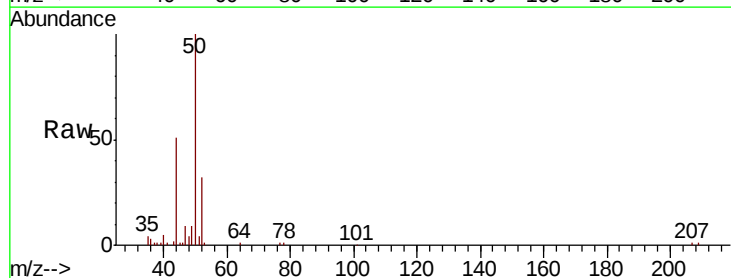
Acq: 18 Apr 2019 10:34

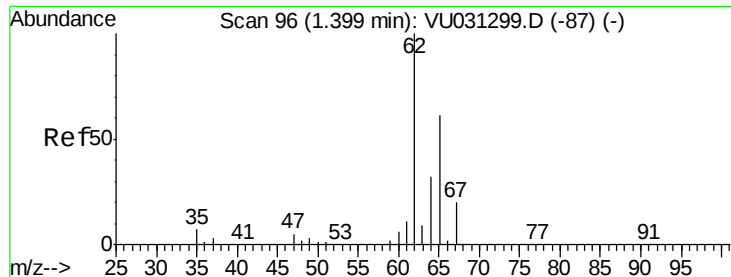
Tgt Ion: 50 Resp: 21927

Ion Ratio Lower Upper

50 100

52 32.3 23.2 43.2





#5

Vinyl chloride

Concen: 0.504 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031297.D

Acq: 18 Apr 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

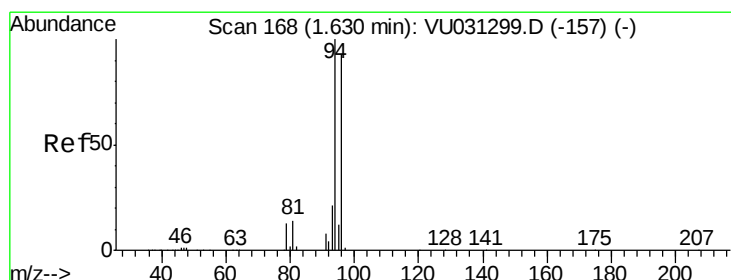
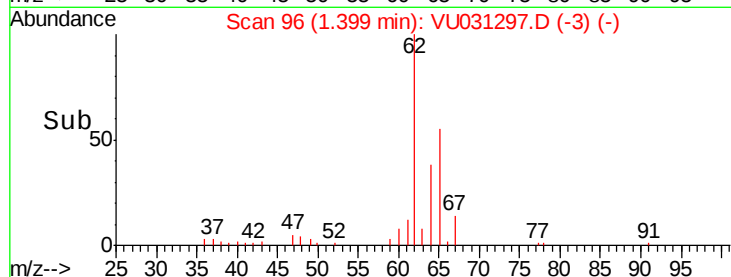
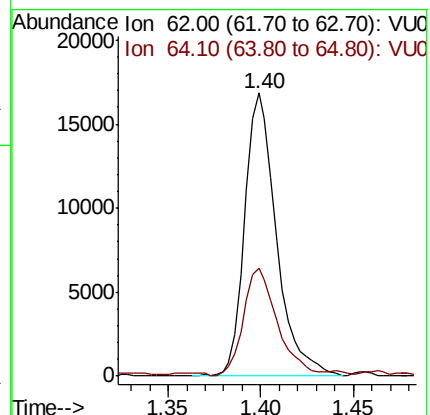
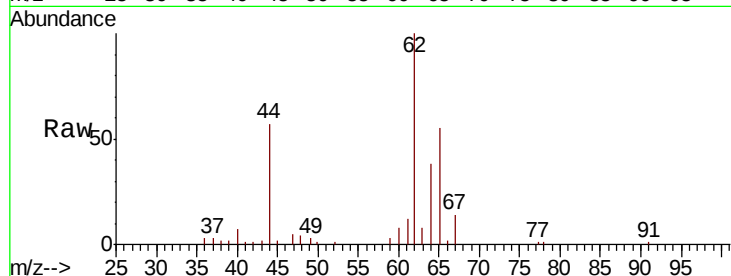
VSTD0.503

Tgt Ion: 62 Resp: 20068

Ion Ratio Lower Upper

62 100

64 38.1 22.5 41.7



#6

Bromomethane

Concen: 0.515 ug/L

RT: 1.63 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU031297.D

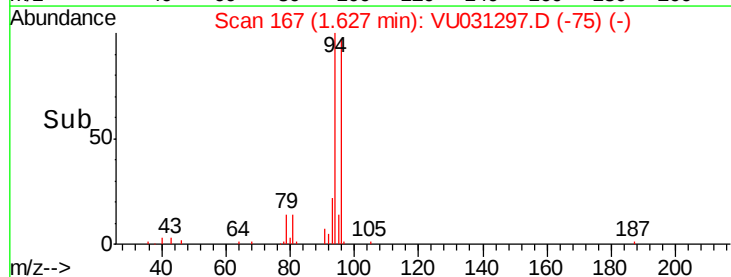
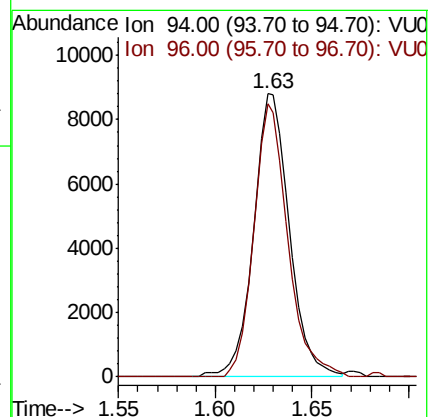
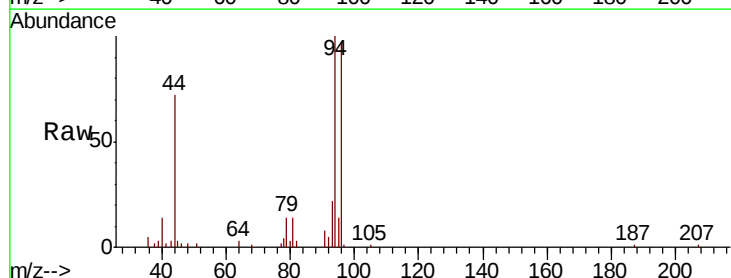
Acq: 18 Apr 2019 10:34

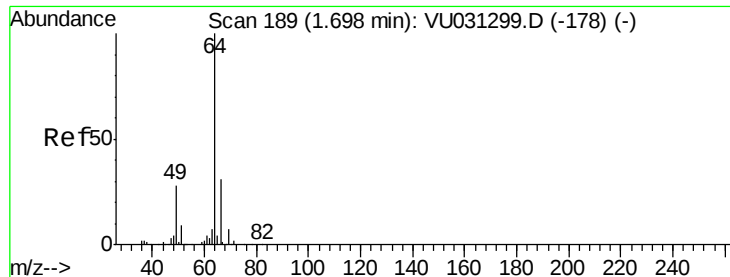
Tgt Ion: 94 Resp: 11354

Ion Ratio Lower Upper

94 100

96 96.6 65.1 120.9





#8

Chloroethane

Concen: 0.533 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031297.D

Acq: 18 Apr 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

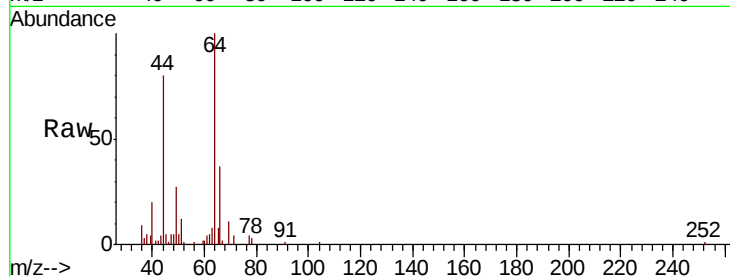
VSTD0.503

Tgt Ion: 64 Resp: 12089

Ion Ratio Lower Upper

64 100

66 37.2 21.9 40.7



Abundance Ion 64.10 (63.80 to 64.80): VU031297.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU031297.D (-178) (-)

1.70

10000

8000

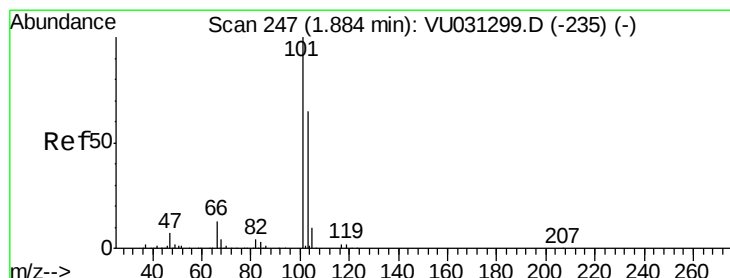
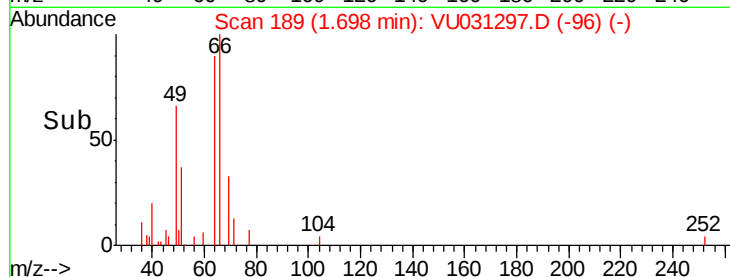
6000

4000

2000

0

Time-->



#9

Trichlorofluoromethane

Concen: 0.546 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU031297.D

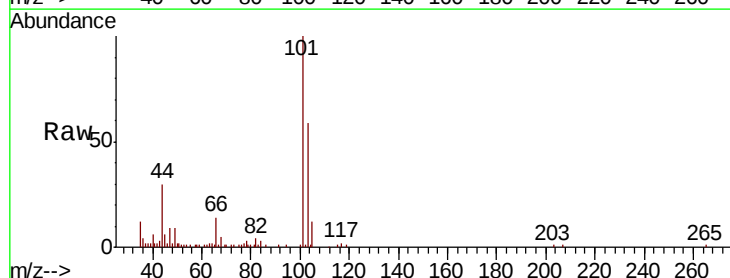
Acq: 18 Apr 2019 10:34

Tgt Ion: 101 Resp: 27327

Ion Ratio Lower Upper

101 100

103 61.5 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VU031297.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU031297.D (-235) (-)

1.88

20000

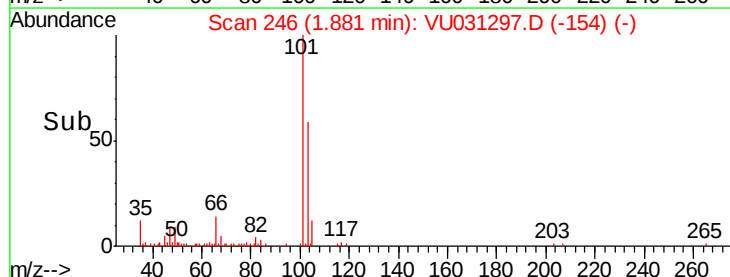
15000

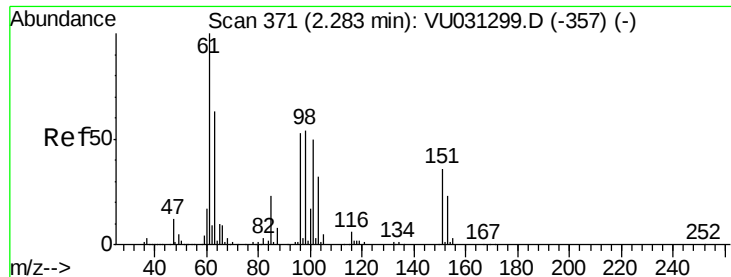
10000

5000

0

Time-->





#10

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

Concen: 0.520 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU031297.D

Acq: 18 Apr 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

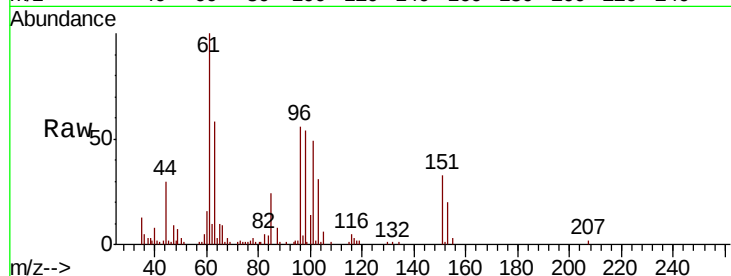
Tgt Ion:101 Resp: 14063

Ion Ratio Lower Upper

101 100

85 46.0 37.2 55.8

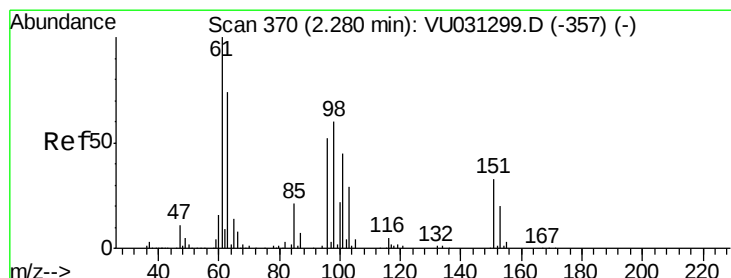
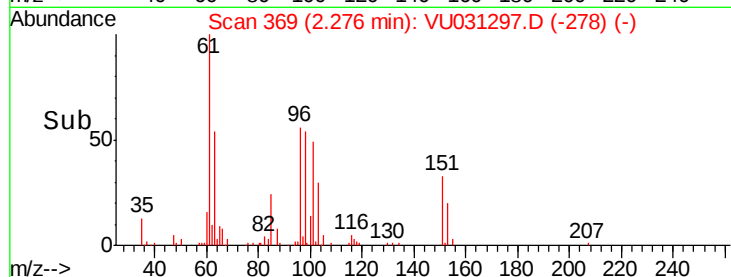
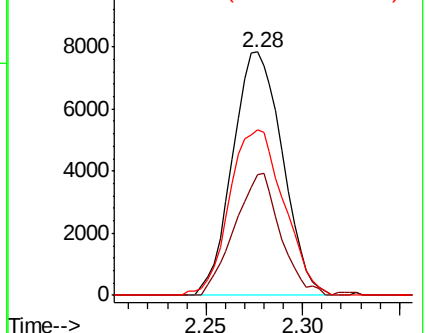
151 74.1 58.9 88.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.564 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU031297.D

Acq: 18 Apr 2019 10:34

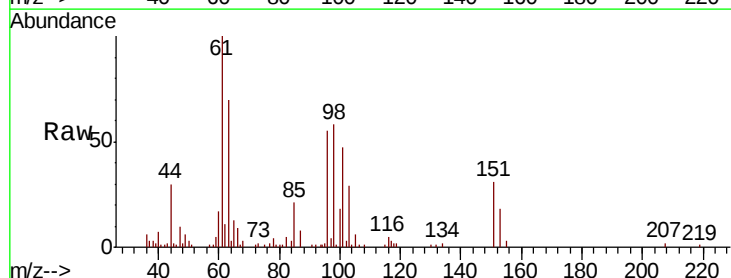
Tgt Ion: 96 Resp: 15191

Ion Ratio Lower Upper

96 100

61 181.8 133.7 248.3

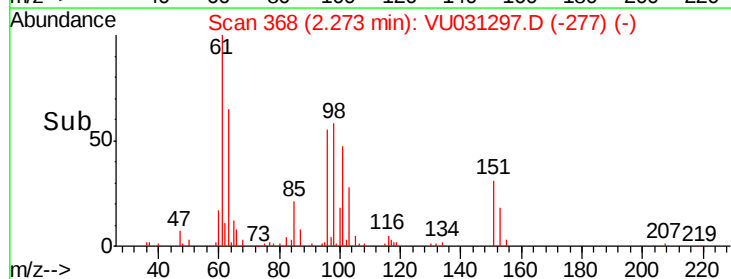
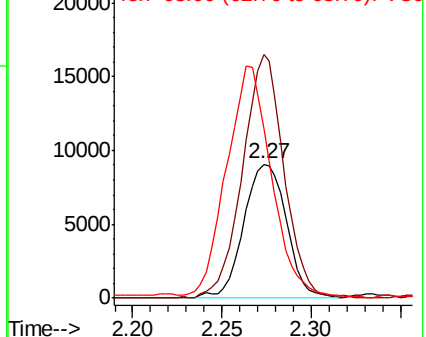
63 126.9 100.5 186.7

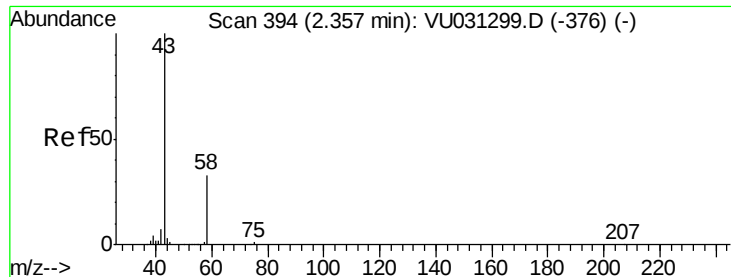


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.231 ug/L

RT: 2.36 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU031297.D

Acq: 18 Apr 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

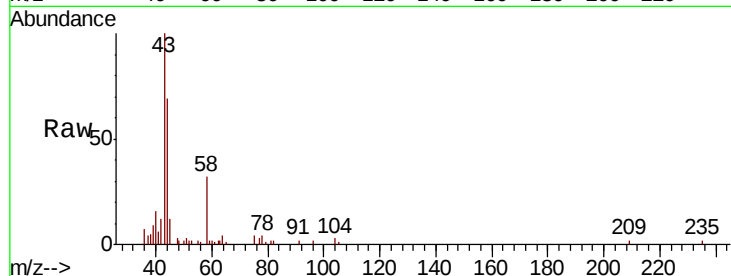
VSTD0.503

Tgt Ion: 43 Resp: 31476

Ion Ratio Lower Upper

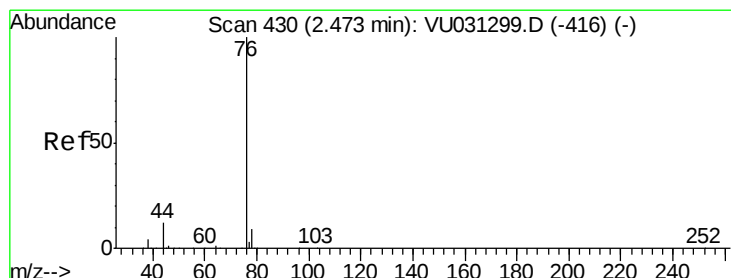
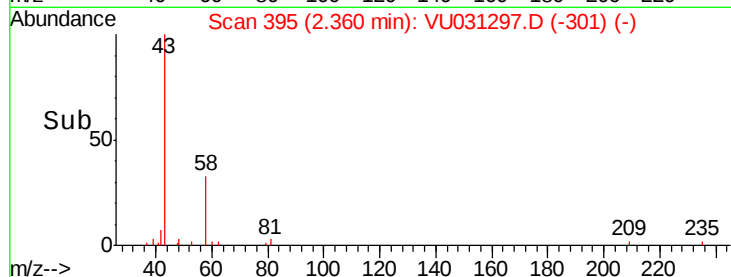
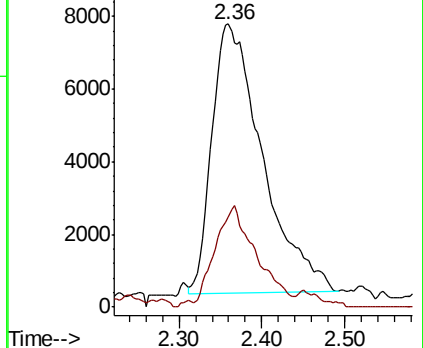
43 100

58 30.9 0.0 64.4



Abundance Ion 43.05 (42.75 to 43.75): VU031299.D (-376) (-)

Ion 58.05 (57.75 to 58.75): VU031299.D (-376) (-)



#14

Carbon disulfide

Concen: 0.532 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.01 min

Lab File: VU031297.D

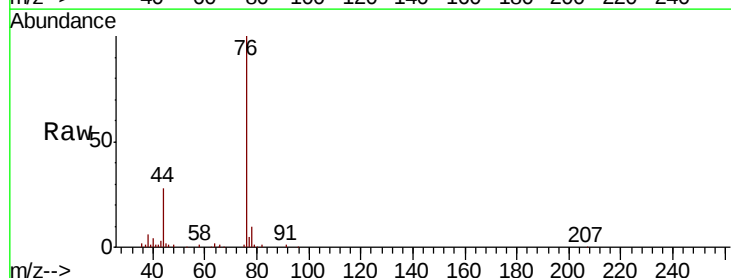
Acq: 18 Apr 2019 10:34

Tgt Ion: 76 Resp: 47796

Ion Ratio Lower Upper

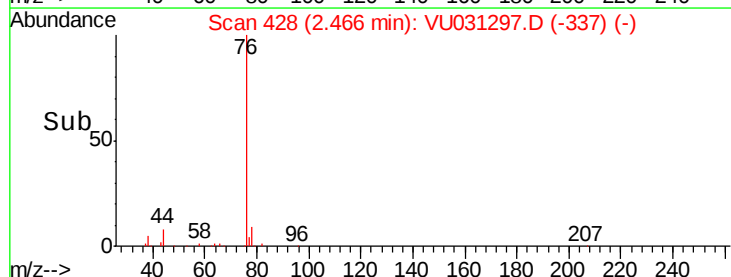
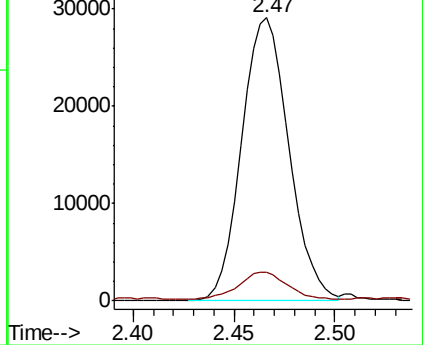
76 100

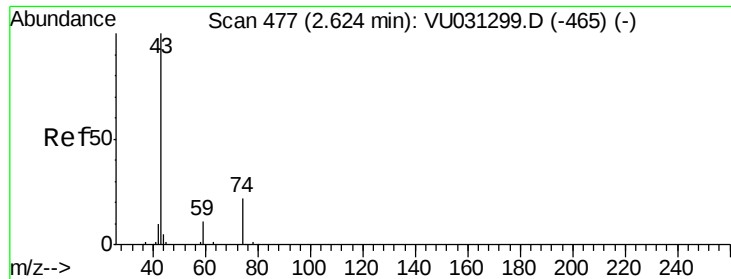
78 10.2 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU031299.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU031299.D (-416) (-)

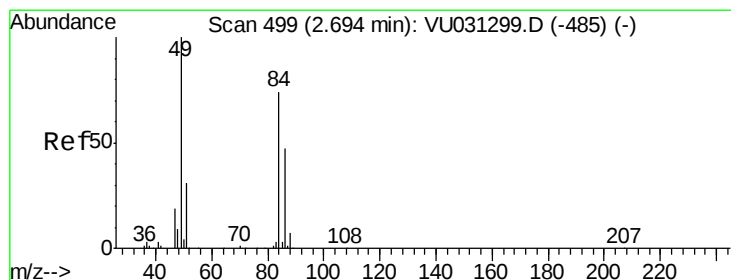
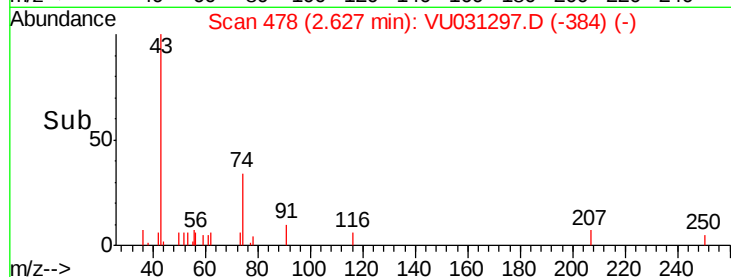
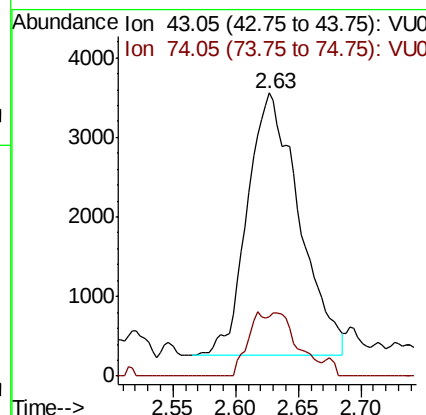
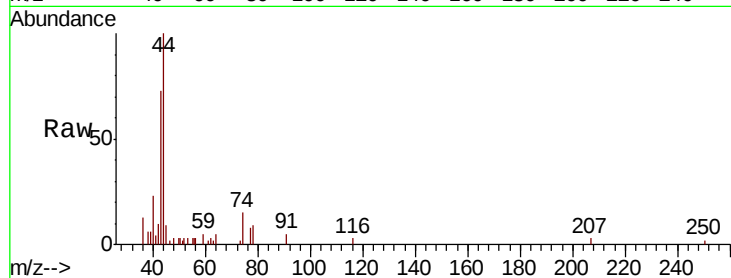




#15
Methyl Acetate
Concen: 0.579 ug/L
RT: 2.63 min Scan# 478
Delta R.T. 0.00 min
Lab File: VU031297.D
Acq: 18 Apr 2019 10:34

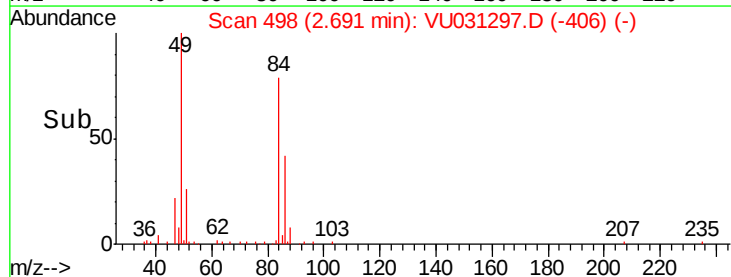
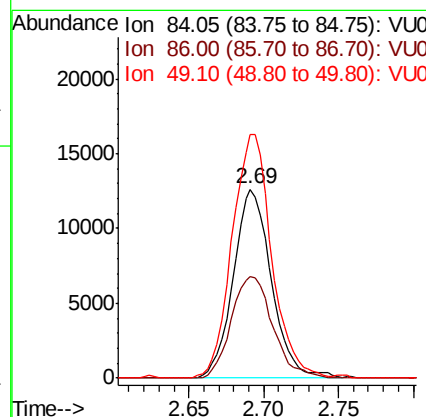
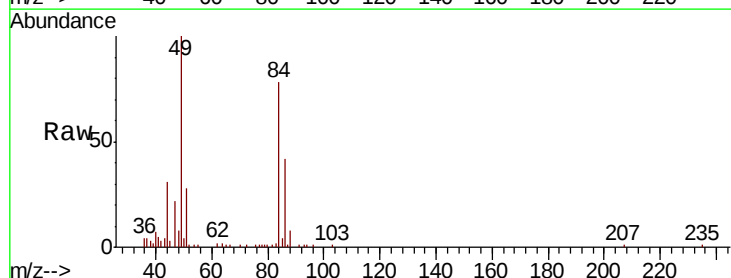
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

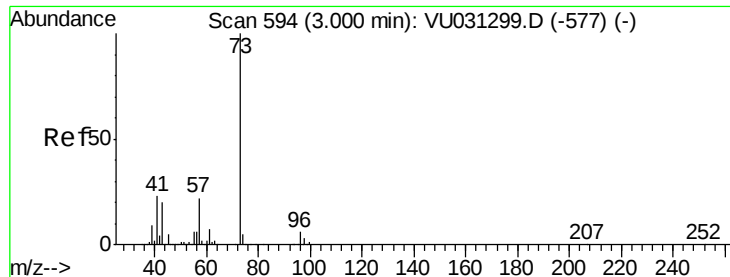
Tgt Ion: 43 Resp: 9517
Ion Ratio Lower Upper
43 100
74 8.6 16.7 25.1#



#16
Methylene chloride
Concen: 0.684 ug/L
RT: 2.69 min Scan# 498
Delta R.T. -0.00 min
Lab File: VU031297.D
Acq: 18 Apr 2019 10:34

Tgt Ion: 84 Resp: 22368
Ion Ratio Lower Upper
84 100
86 53.8 44.1 81.9
49 129.0 94.6 175.6



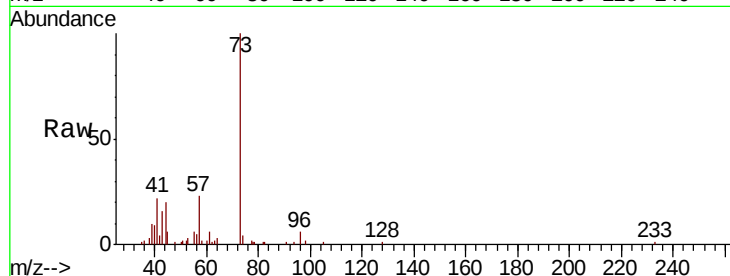


#17

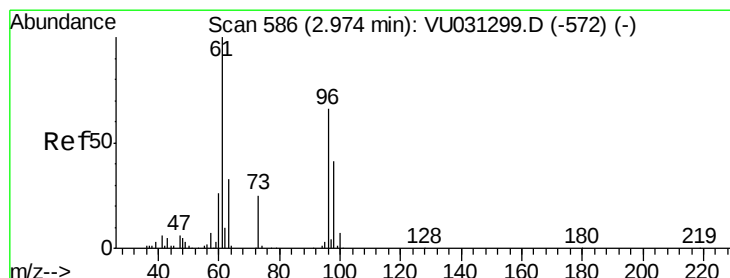
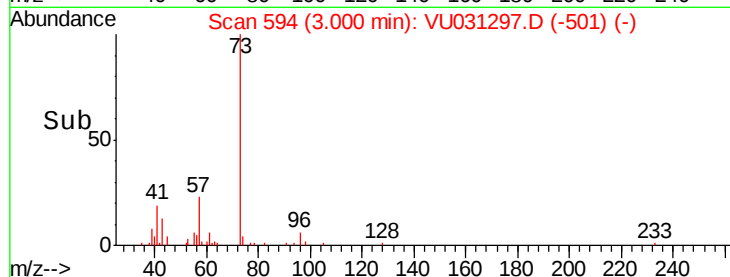
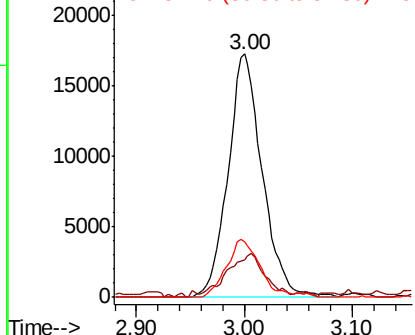
Methyl tert-butyl Ether
 Concen: 0.530 ug/L
 RT: 3.00 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: VU031297.D
 Acq: 18 Apr 2019 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tgt Ion: 73 Resp: 38262
 Ion Ratio Lower Upper
 73 100
 43 17.7 16.3 24.5
 57 23.1 18.8 28.2



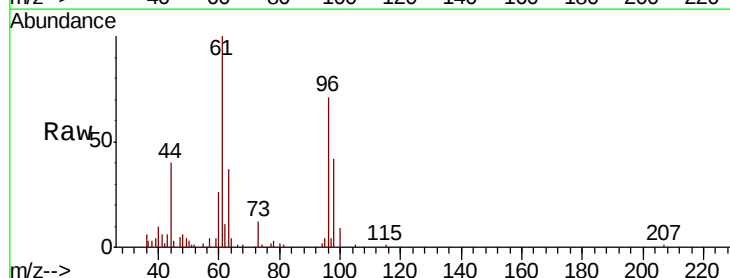
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



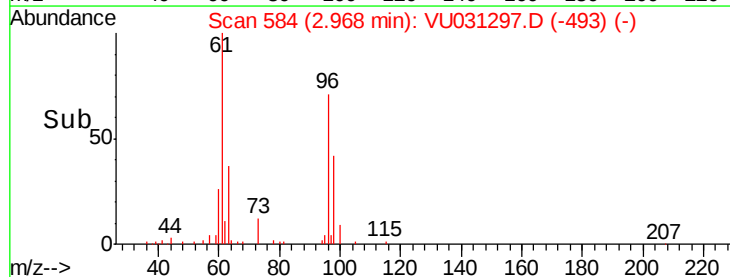
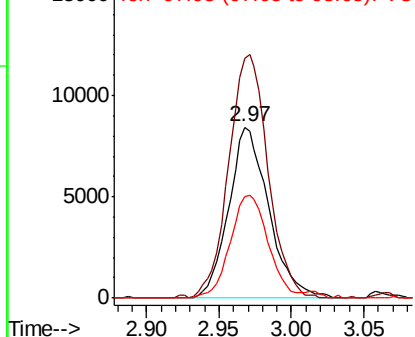
#18

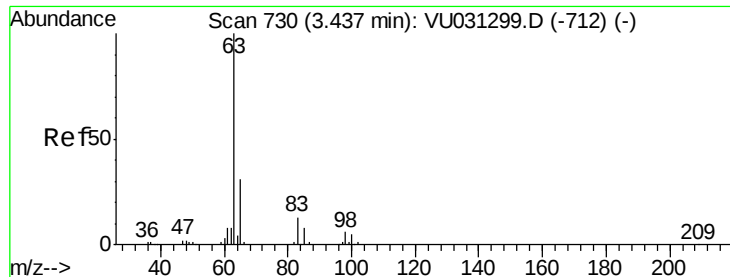
trans-1,2-Dichloroethene
 Concen: 0.569 ug/L
 RT: 2.97 min Scan# 584
 Delta R.T. -0.01 min
 Lab File: VU031297.D
 Acq: 18 Apr 2019 10:34

Tgt Ion: 96 Resp: 16180
 Ion Ratio Lower Upper
 96 100
 61 140.2 106.5 197.7
 98 59.6 43.5 80.9



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

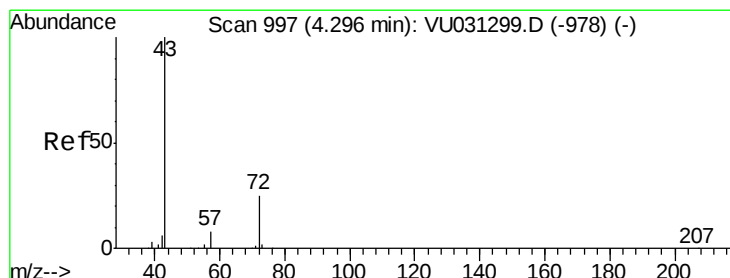
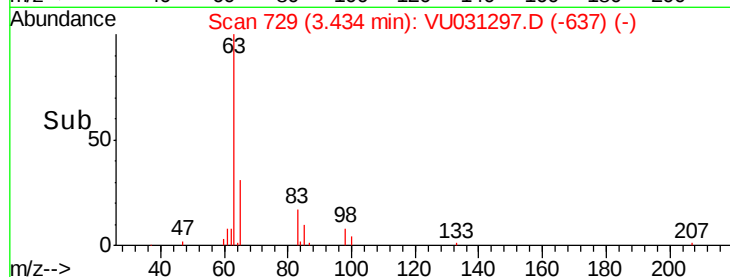
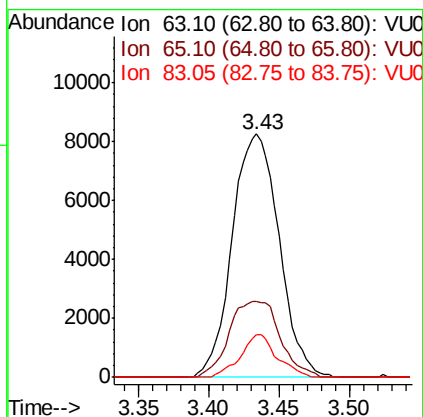
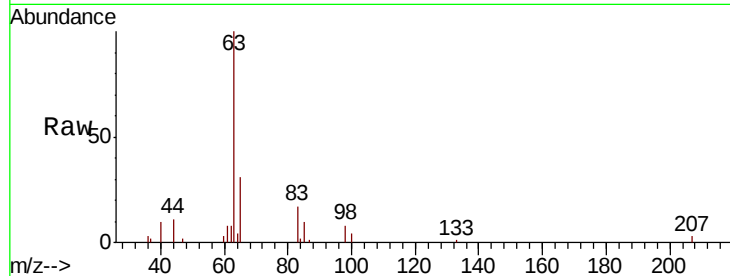




#19
 1,1-Dichloroethane
 Concen: 0.485 ug/L
 RT: 3.43 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VU031297.D
 Acq: 18 Apr 2019 10:34

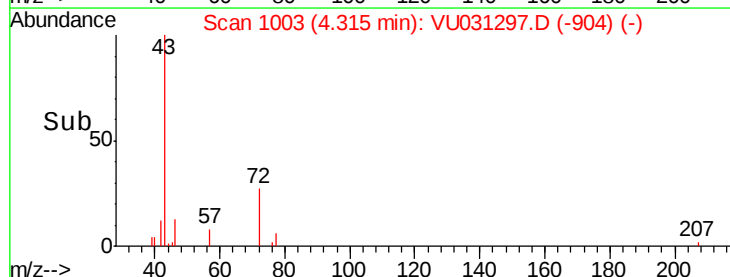
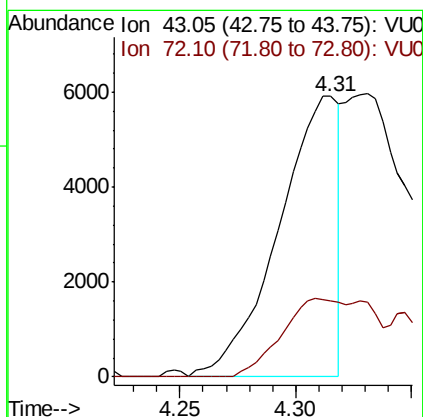
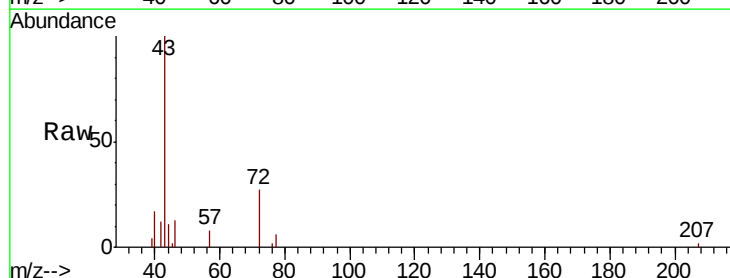
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

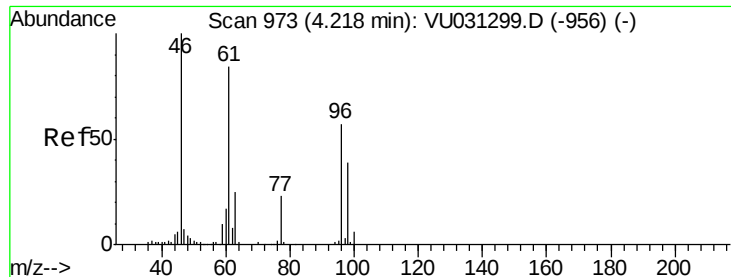
Tgt Ion: 63 Resp: 19218
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.0 41.0
 83 17.4 9.2 17.2#



#21
 2-Butanone
 Concen: 1.705 ug/L
 RT: 4.31 min Scan# 1003
 Delta R.T. 0.02 min
 Lab File: VU031297.D
 Acq: 18 Apr 2019 10:34

Tgt Ion: 43 Resp: 10598
 Ion Ratio Lower Upper
 43 100
 72 28.8 11.8 35.4



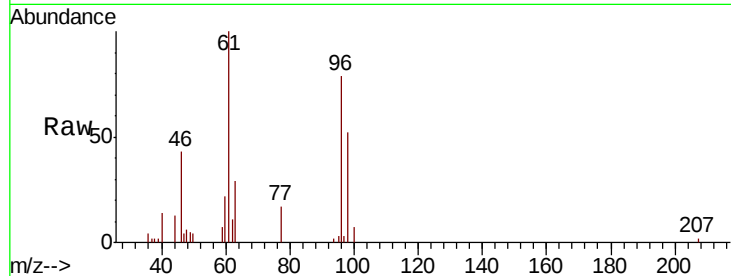


#22

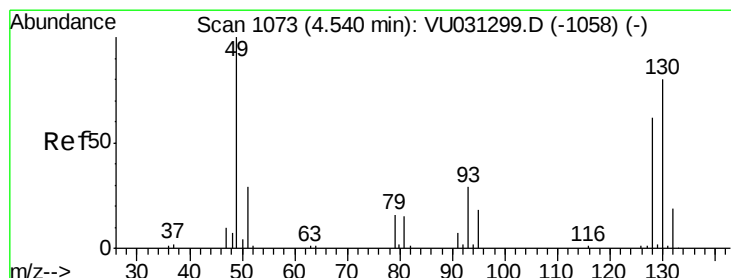
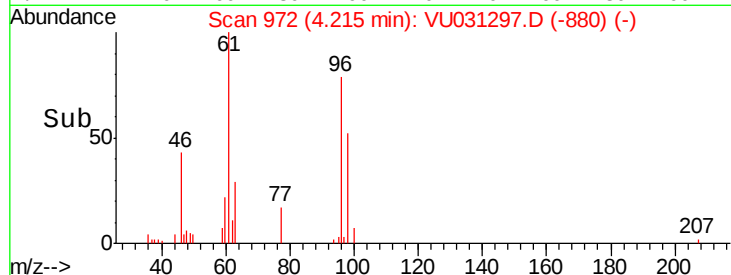
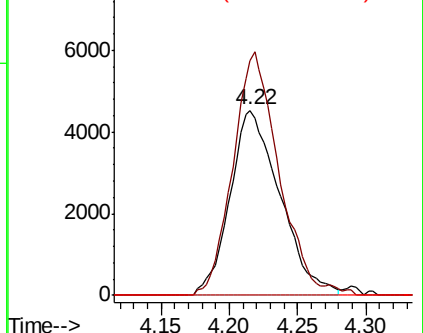
cis-1,2-Dichloroethene
Concen: 0.524 ug/L
RT: 4.22 min Scan# 972
Delta R.T. -0.00 min
Lab File: VU031297.D
Acq: 18 Apr 2019 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

Tgt Ion: 96 Resp: 11520
Ion Ratio Lower Upper
96 100
61 126.9 103.5 192.1
68 0.0 0.0 0.0



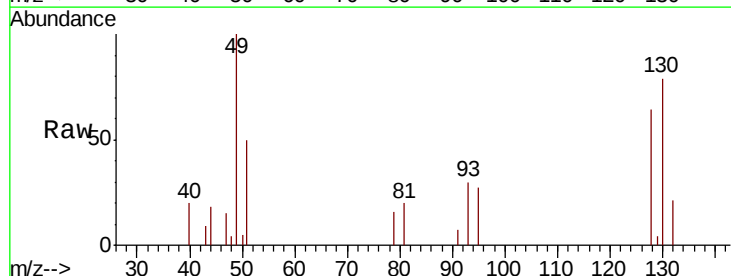
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



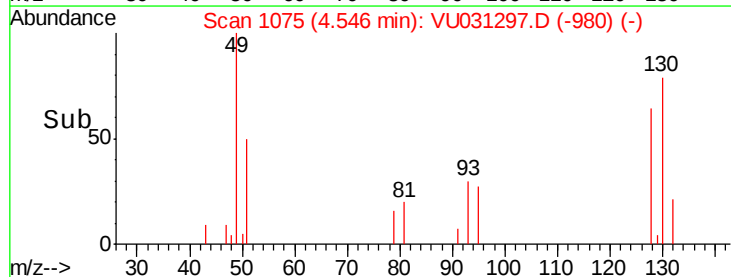
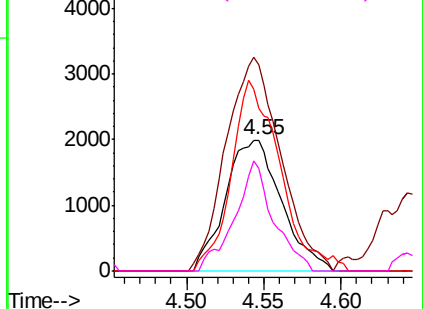
#23

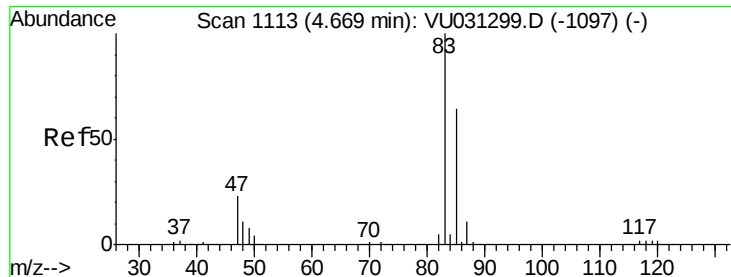
Bromochloromethane
Concen: 0.511 ug/L
RT: 4.55 min Scan# 1075
Delta R.T. 0.01 min
Lab File: VU031297.D
Acq: 18 Apr 2019 10:34

Tgt Ion: 128 Resp: 5005
Ion Ratio Lower Upper
128 100
49 156.8 113.2 210.2
130 123.5 90.1 167.3
51 77.9 37.8 56.8#



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

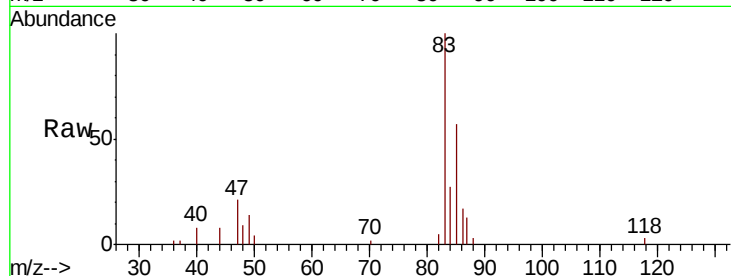




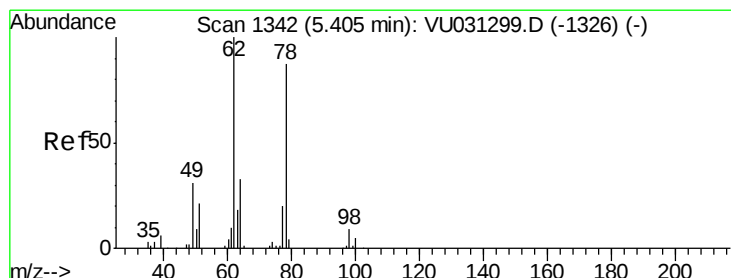
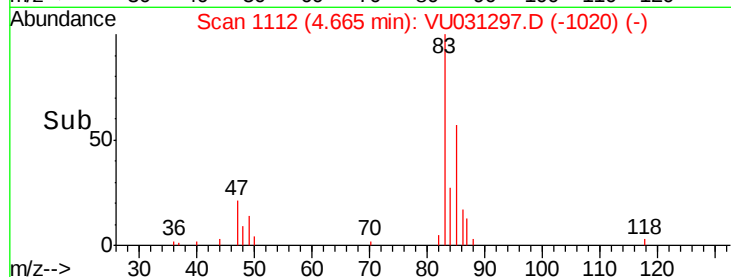
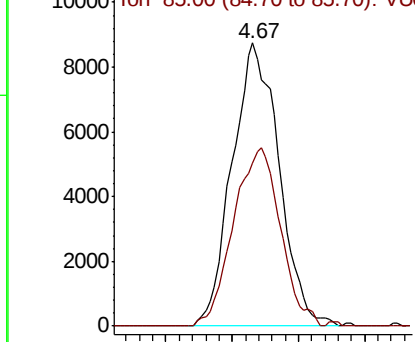
#25
Chloroform
Concen: 0.551 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU031297.D
Acq: 18 Apr 2019 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

Tgt Ion: 83 Resp: 21505
Ion Ratio Lower Upper
83 100
85 57.4 45.4 84.4

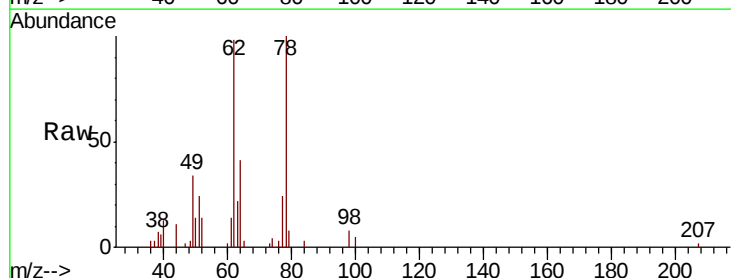


Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

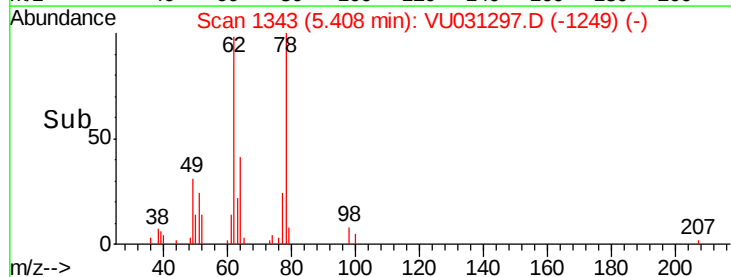
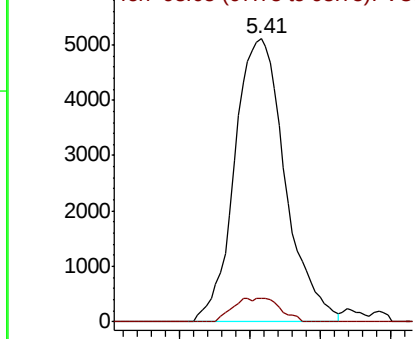


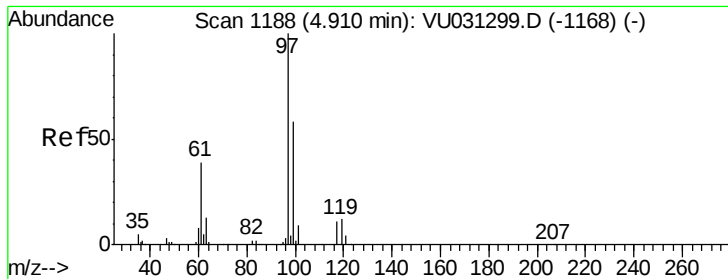
#27
1,2-Dichloroethane
Concen: 0.508 ug/L
RT: 5.41 min Scan# 1343
Delta R.T. 0.00 min
Lab File: VU031297.D
Acq: 18 Apr 2019 10:34

Tgt Ion: 62 Resp: 12799
Ion Ratio Lower Upper
62 100
98 8.5 7.4 11.0



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.05 (97.75 to 98.75): VU0

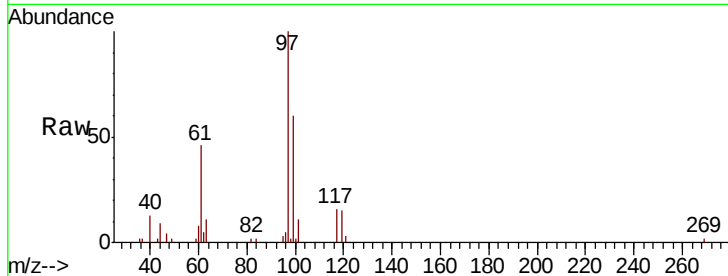




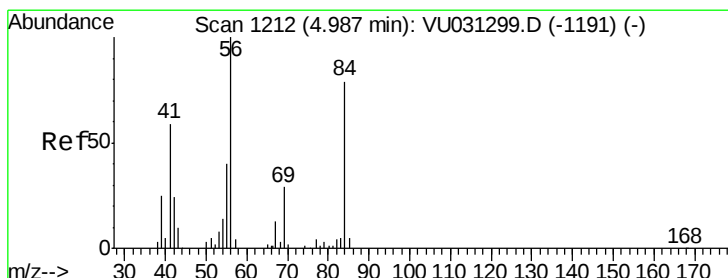
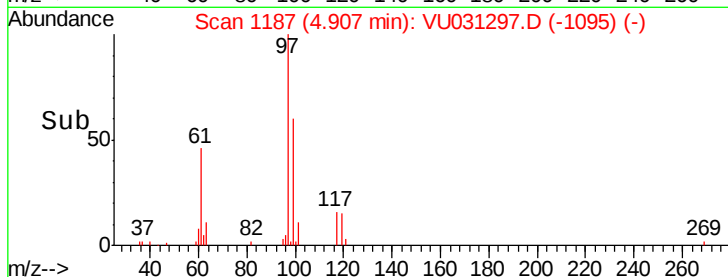
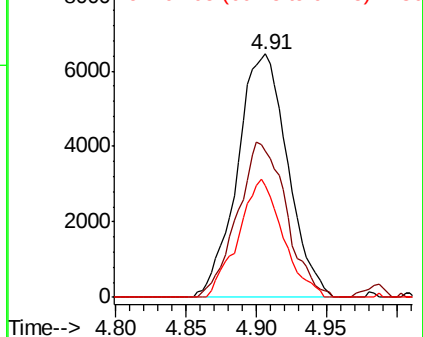
#29
 1,1,1-Trichloroethane
 Concen: 0.513 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VU031297.D
 Acq: 18 Apr 2019 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tgt Ion: 97 Resp: 16098
 Ion Ratio Lower Upper
 97 100
 99 61.8 50.6 76.0
 61 42.8 33.9 50.9

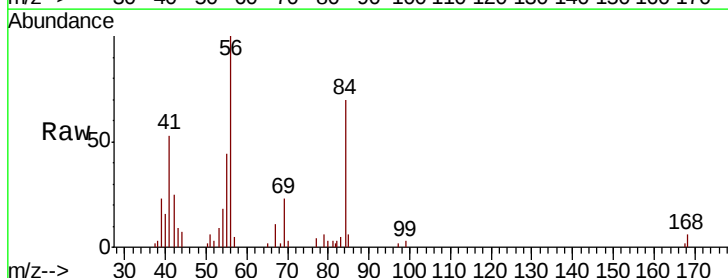


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

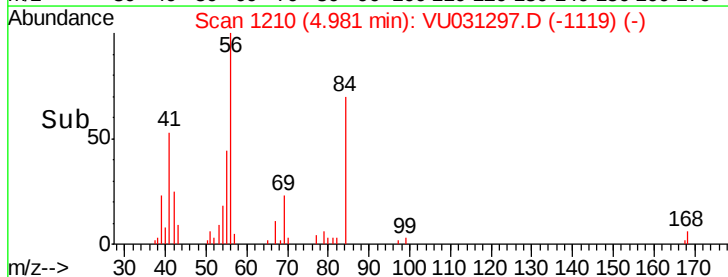
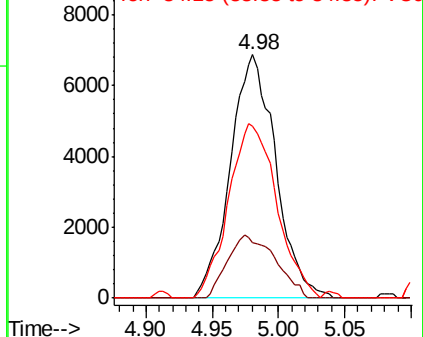


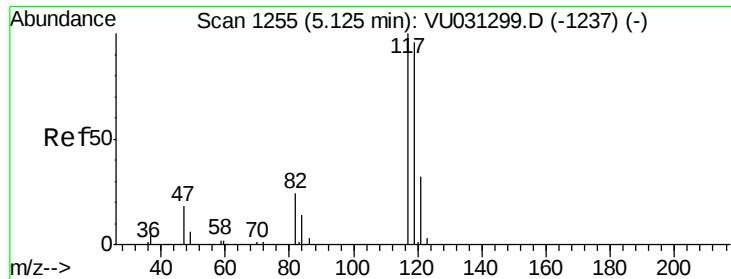
#30
 Cyclohexane
 Concen: 0.512 ug/L
 RT: 4.98 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VU031297.D
 Acq: 18 Apr 2019 10:34

Tgt Ion: 56 Resp: 16361
 Ion Ratio Lower Upper
 56 100
 69 27.3 23.3 34.9
 84 76.3 62.6 94.0



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

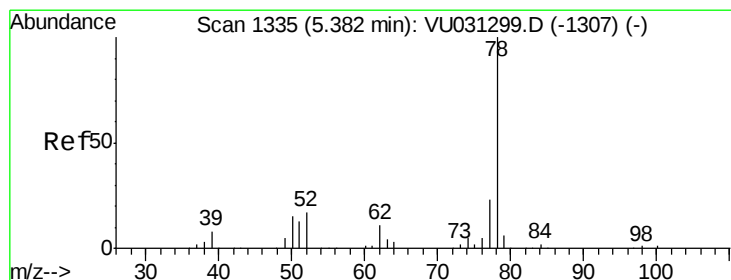
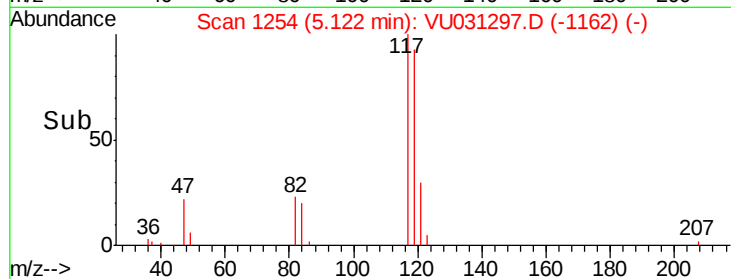
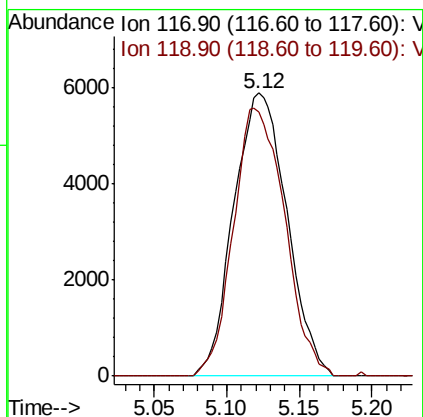
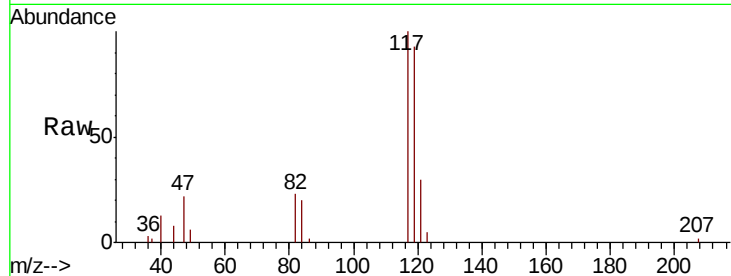




#31
Carbon tetrachloride
Concen: 0.536 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VU031297.D
Acq: 18 Apr 2019 10:34

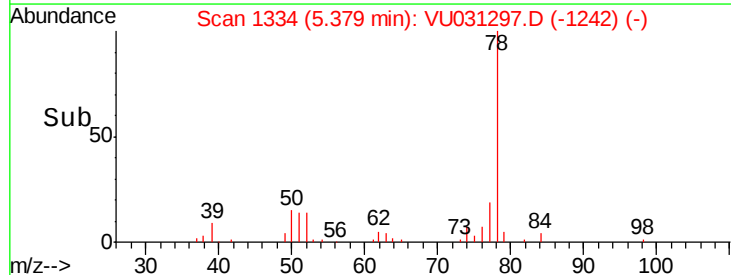
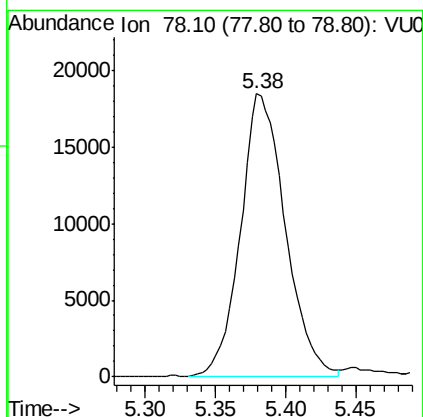
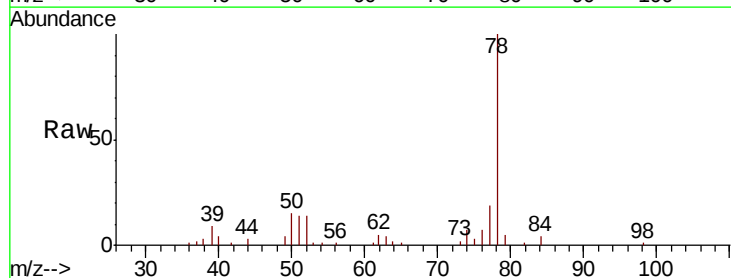
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

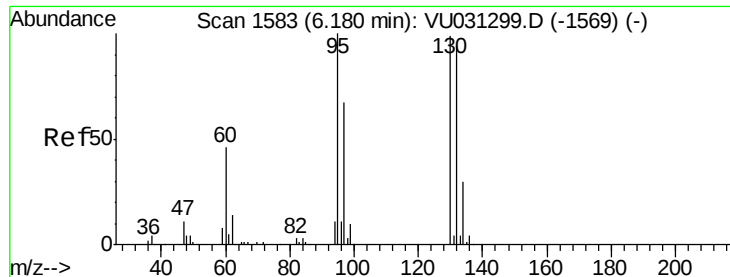
Tgt Ion:117 Resp: 15020
Ion Ratio Lower Upper
117 100
119 91.0 79.6 119.4



#33
Benzene
Concen: 0.522 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU031297.D
Acq: 18 Apr 2019 10:34

Tgt Ion: 78 Resp: 41191





#34

Trichloroethene

Concen: 0.591 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031297.D

Acq: 18 Apr 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

Tgt Ion: 95 Resp: 12602

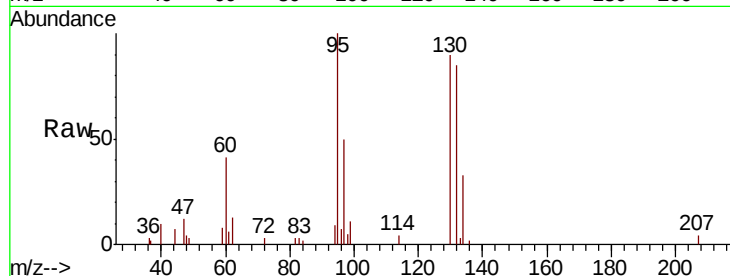
Ion Ratio Lower Upper

95 100

97 49.7 46.8 86.8

132 85.4 65.8 122.2

130 89.8 69.5 129.1

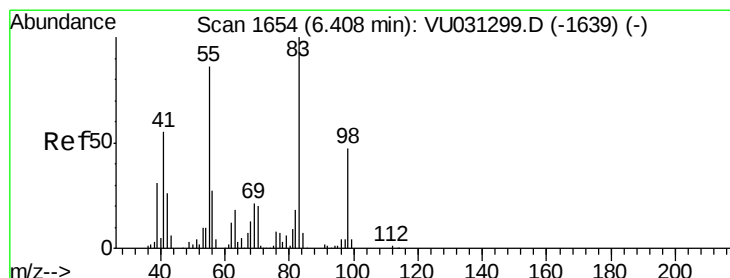
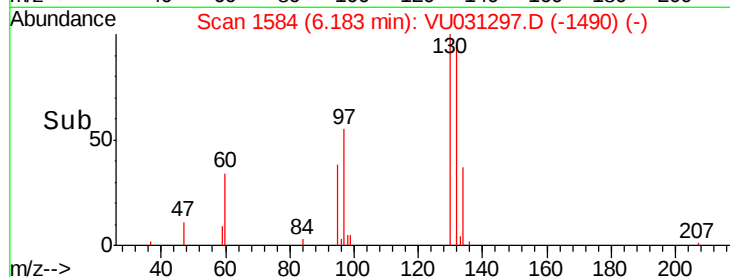
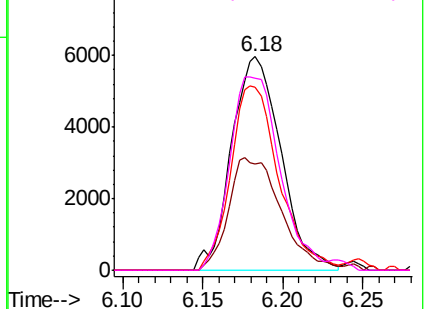


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.491 ug/L

RT: 6.40 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VU031297.D

Acq: 18 Apr 2019 10:34

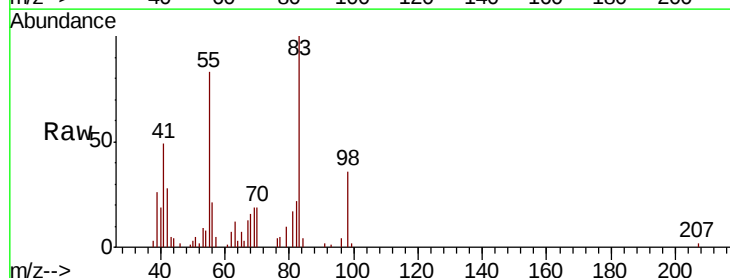
Tgt Ion: 83 Resp: 14415

Ion Ratio Lower Upper

83 100

55 86.7 70.6 105.8

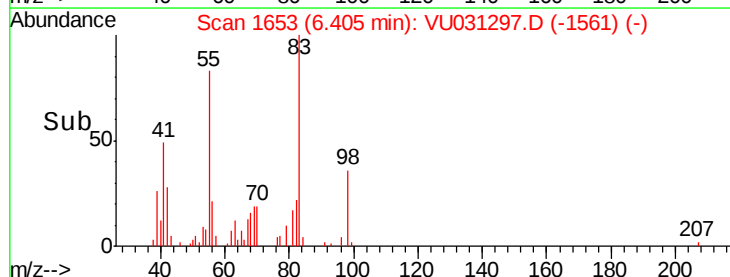
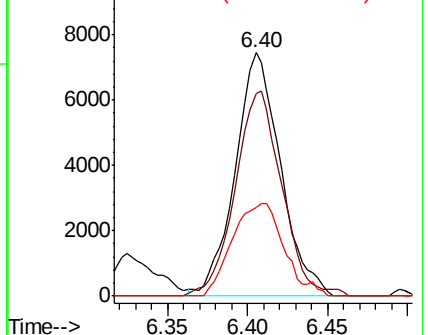
98 43.3 37.0 55.4

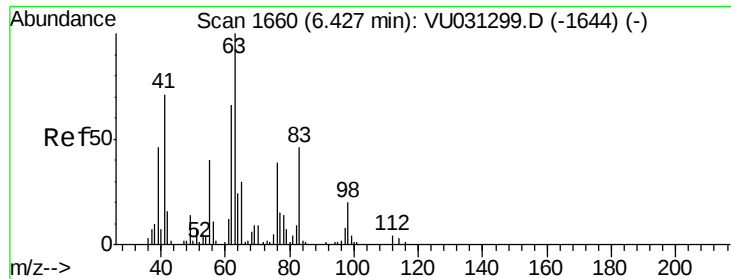


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

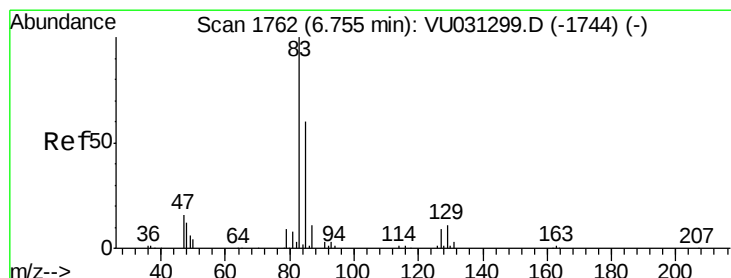
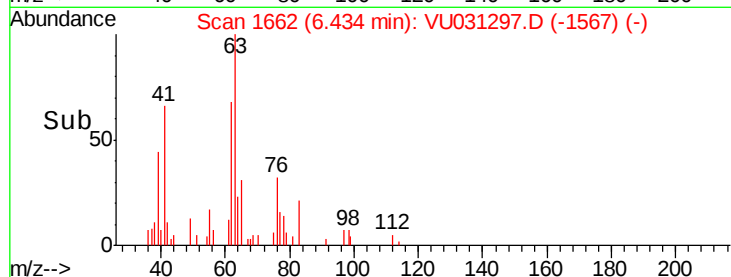
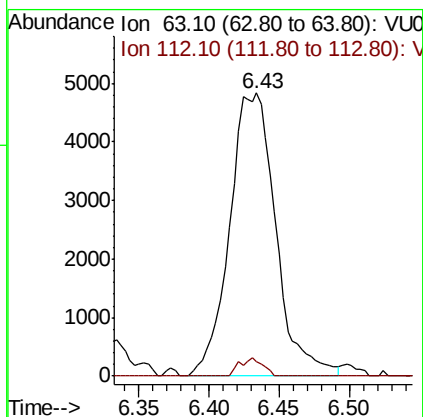
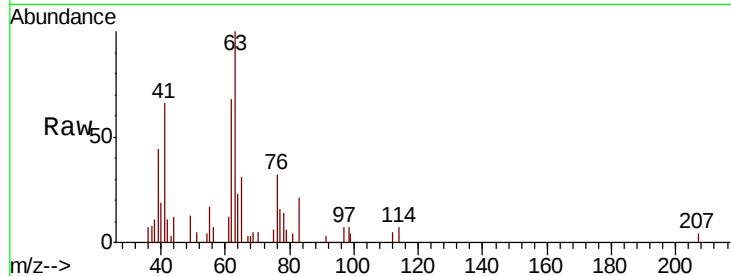




#37
 1,2-Dichloropropane
 Concen: 0.533 ug/L
 RT: 6.43 min Scan# 1662
 Delta R.T. 0.01 min
 Lab File: VU031297.D
 Acq: 18 Apr 2019 10:34

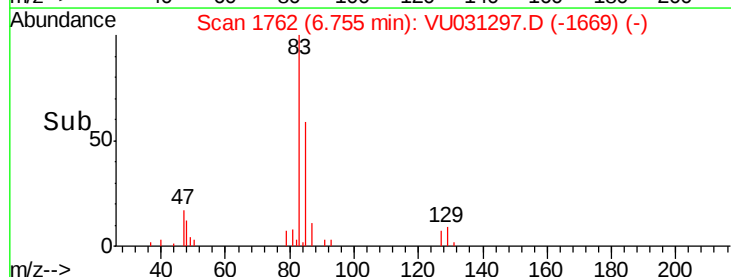
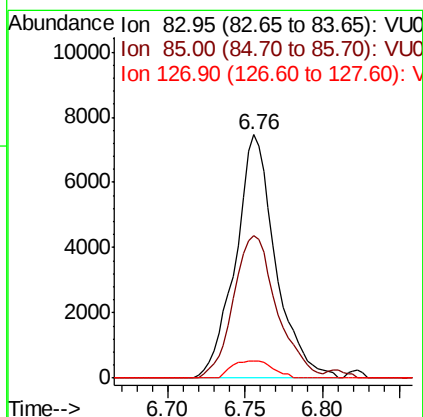
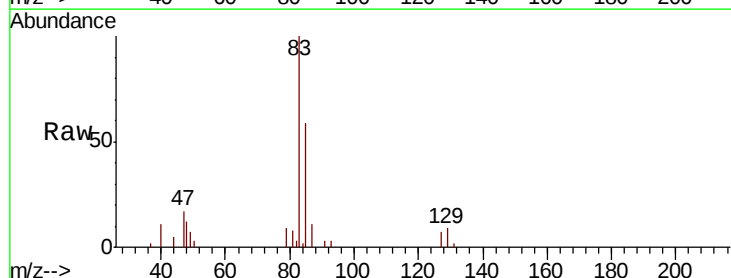
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

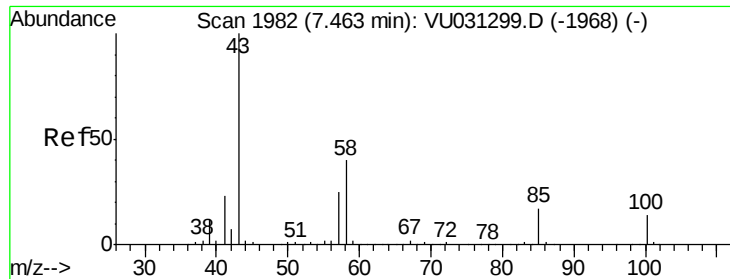
Tgt Ion: 63 Resp: 11090
 Ion Ratio Lower Upper
 63 100
 112 3.2 3.5 5.3#



#38
 Bromodichloromethane
 Concen: 0.516 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU031297.D
 Acq: 18 Apr 2019 10:34

Tgt Ion: 83 Resp: 13407
 Ion Ratio Lower Upper
 83 100
 85 58.6 41.9 77.7
 127 7.1 7.1 10.7

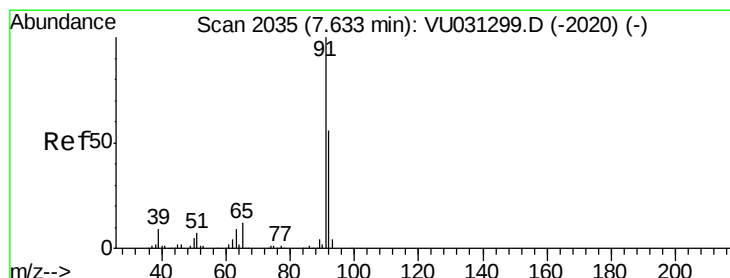
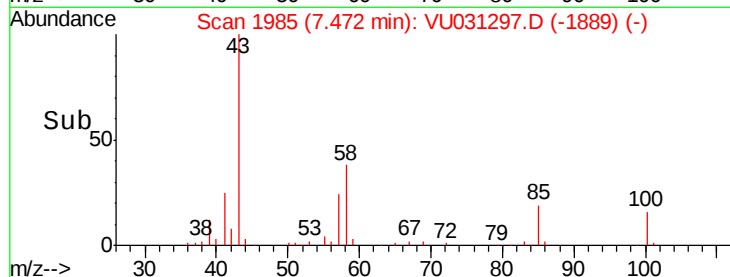
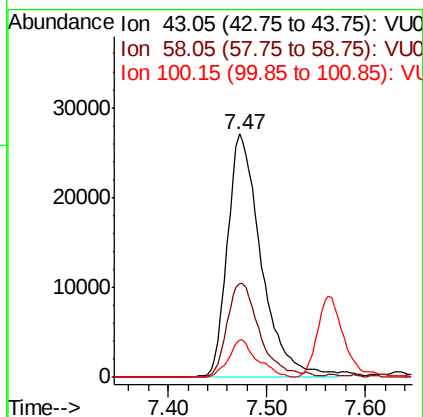
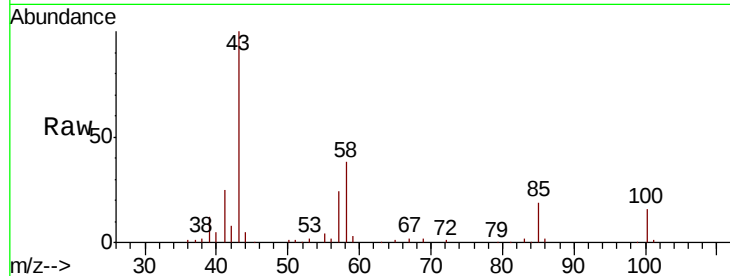




#40
 4-Methyl-2-pentanone
 Concen: 4.837 ug/L
 RT: 7.47 min Scan# 1985
 Delta R.T. 0.01 min
 Lab File: VU031297.D
 Acq: 18 Apr 2019 10:34

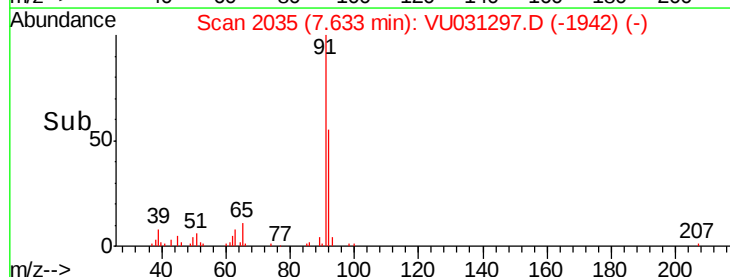
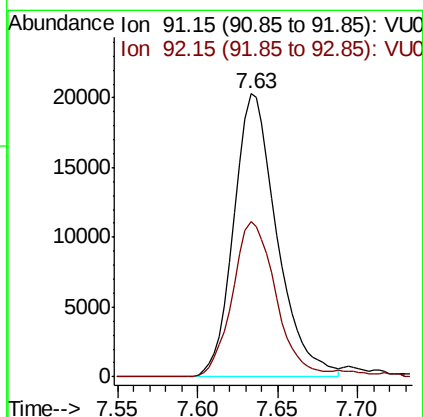
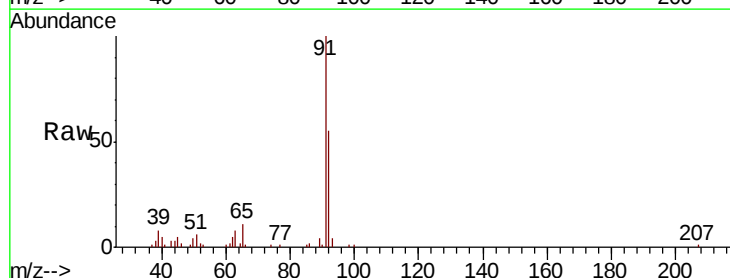
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

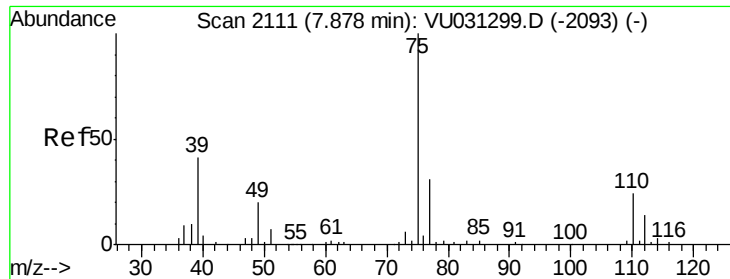
Tgt Ion: 43 Resp: 64618
 Ion Ratio Lower Upper
 43 100
 58 37.6 30.7 46.1
 100 13.2 11.1 16.7



#42
 Toluene
 Concen: 0.470 ug/L
 RT: 7.63 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU031297.D
 Acq: 18 Apr 2019 10:34

Tgt Ion: 91 Resp: 37394
 Ion Ratio Lower Upper
 91 100
 92 55.1 39.5 73.3





#44

trans-1,3-Dichloropropene

Concen: 0.491 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.01 min

Lab File: VU031297.D

Acq: 18 Apr 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

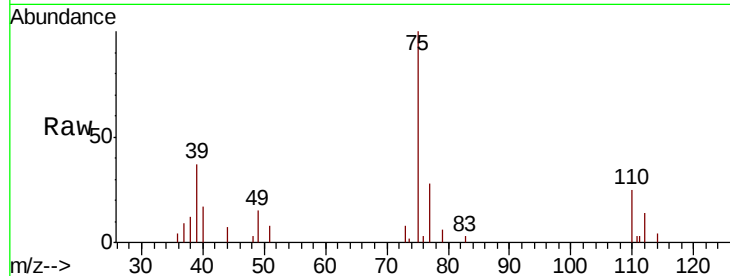
VSTD0.503

Tgt Ion: 75 Resp: 11282

Ion Ratio Lower Upper

75 100

77 28.4 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU031299.D (-2093) (-)

Ion 77.05 (76.75 to 77.75): VU031299.D (-2093) (-)

7.89

6000

5000

4000

3000

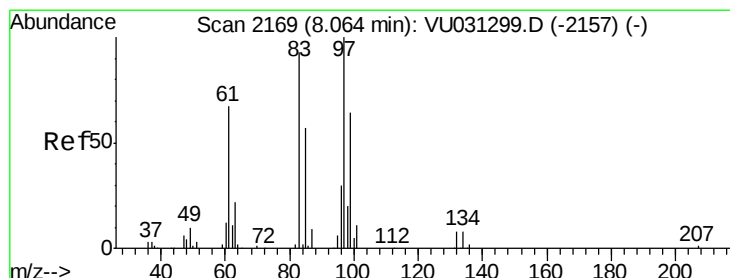
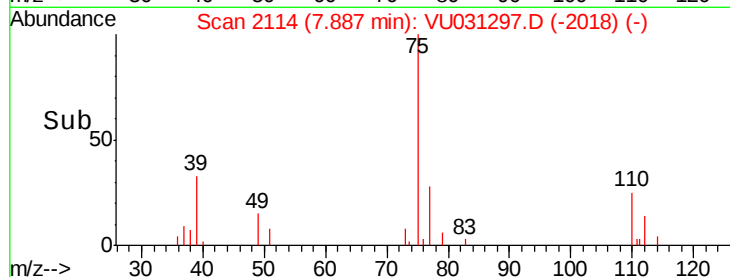
2000

1000

0

7.80 7.85 7.90 7.95 8.00

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.547 ug/L

RT: 8.07 min Scan# 2171

Delta R.T. 0.01 min

Lab File: VU031297.D

Acq: 18 Apr 2019 10:34

Tgt Ion: 97 Resp: 8111

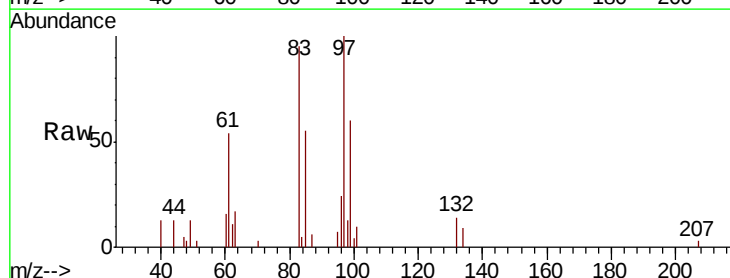
Ion Ratio Lower Upper

97 100

99 60.1 44.8 83.2

83 94.8 64.9 120.5

85 54.6 40.1 74.5



Abundance Ion 96.95 (96.65 to 97.65): VU031299.D (-2157) (-)

Ion 99.05 (98.75 to 99.75): VU031299.D (-2157) (-)

Ion 82.95 (82.65 to 83.65): VU031299.D (-2157) (-)

Ion 85.00 (84.70 to 85.70): VU031299.D (-2157) (-)

8.07

6000

5000

4000

3000

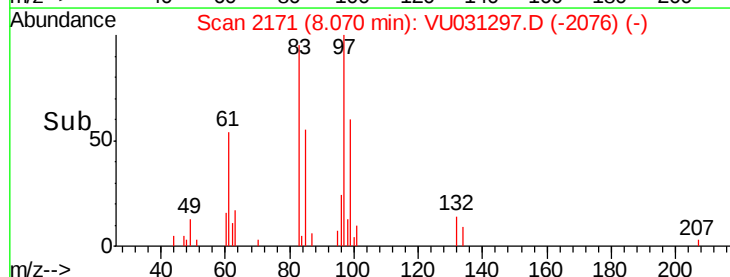
2000

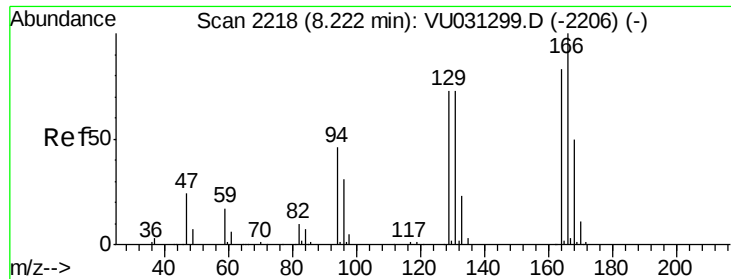
1000

0

8.00 8.05 8.10 8.15

Time-->





#47

Tetrachloroethene

Concen: 0.533 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU031297.D

Acq: 18 Apr 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

Tgt Ion:164 Resp: 8469

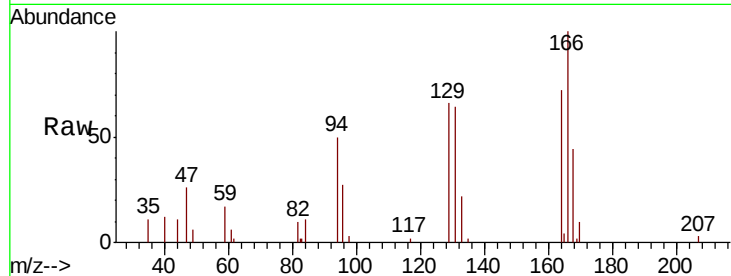
Ion Ratio Lower Upper

164 100

129 92.1 61.9 114.9

131 88.9 61.5 114.3

166 139.5 84.6 157.0

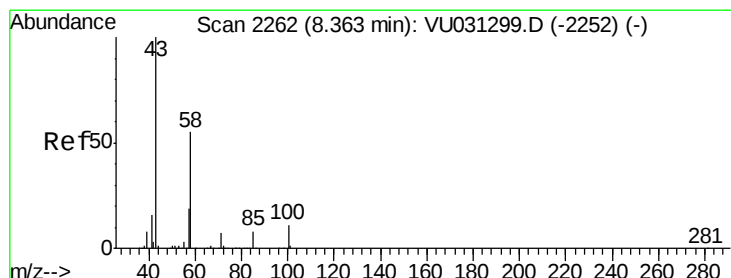
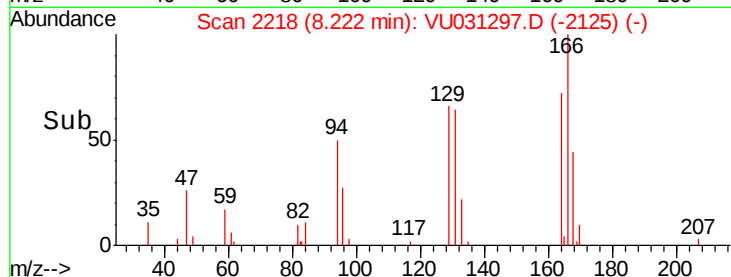
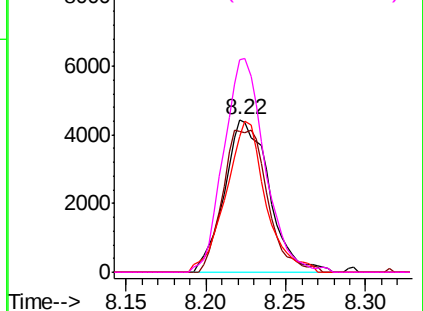


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 4.673 ug/L

RT: 8.38 min Scan# 2267

Delta R.T. 0.02 min

Lab File: VU031297.D

Acq: 18 Apr 2019 10:34

Tgt Ion: 43 Resp: 44305

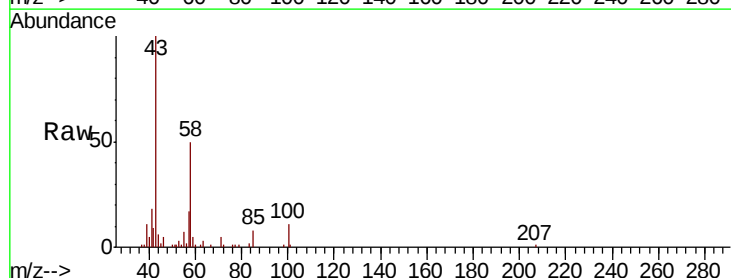
Ion Ratio Lower Upper

43 100

58 48.5 45.0 67.6

57 18.5 15.5 23.3

100 10.7 8.7 13.1

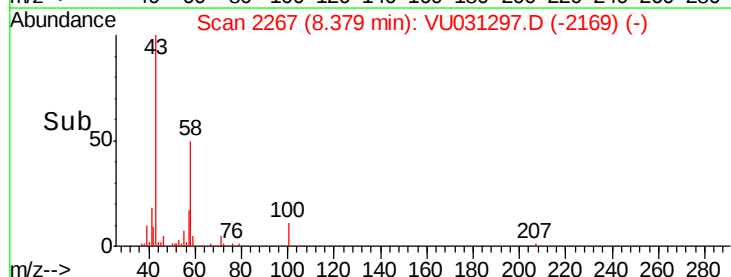
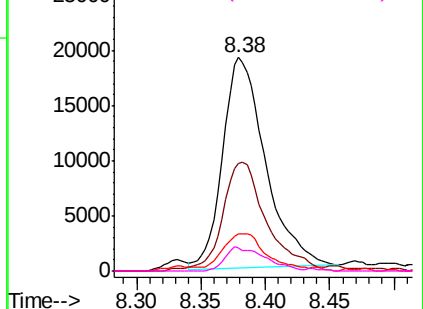


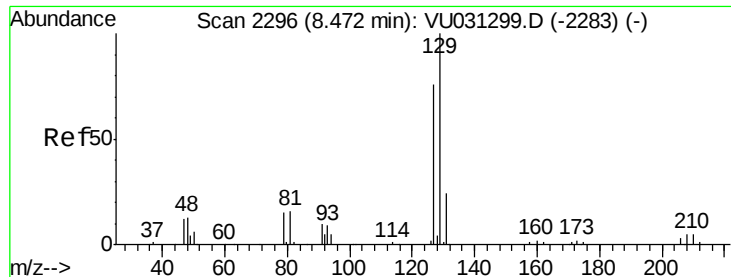
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.520 ug/L

RT: 8.48 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU031297.D

Acq: 18 Apr 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

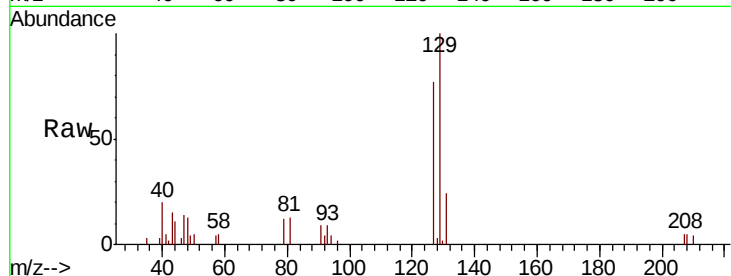
VSTD0.503

Tgt Ion:129 Resp: 9223

Ion Ratio Lower Upper

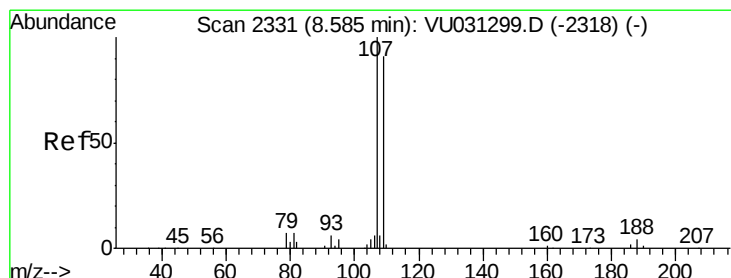
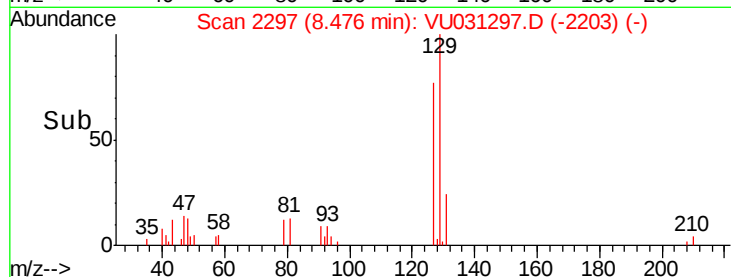
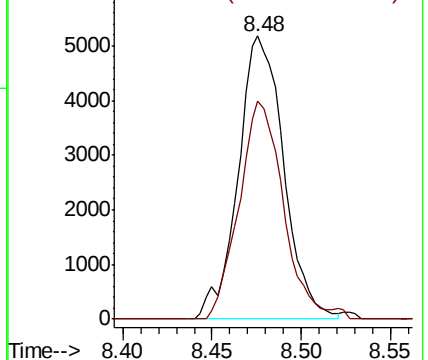
129 100

127 77.0 53.3 99.1



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#50

1,2-Dibromoethane

Concen: 0.458 ug/L

RT: 8.58 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU031297.D

Acq: 18 Apr 2019 10:34

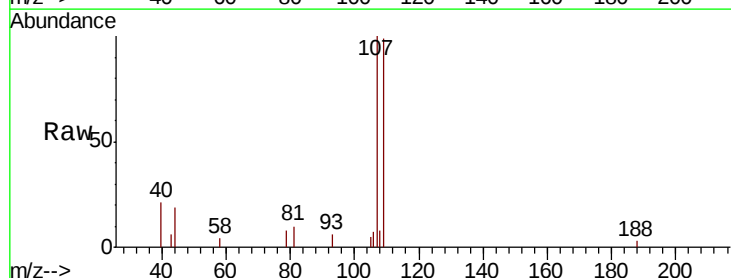
Tgt Ion:107 Resp: 6435

Ion Ratio Lower Upper

107 100

109 98.5 63.6 118.2

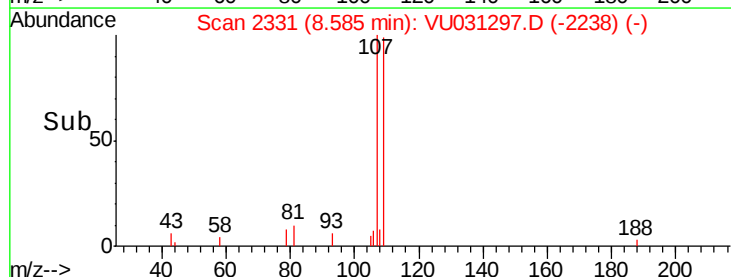
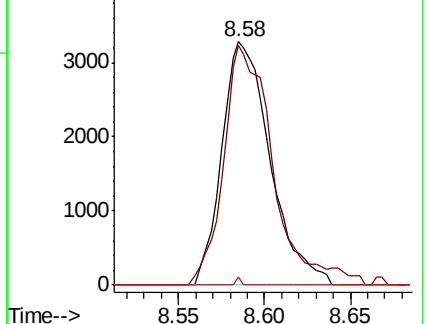
188 3.1 2.9 4.3

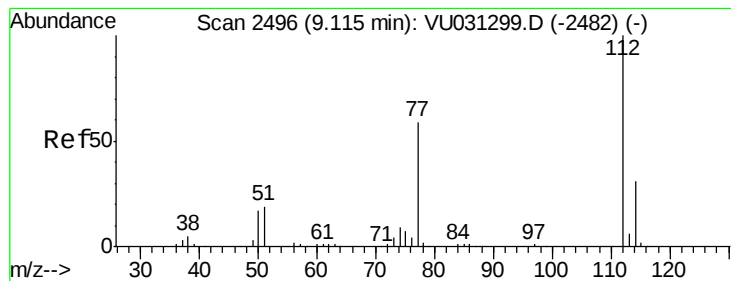


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V





#51

Chlorobenzene

Concen: 0.518 ug/L

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU031297.D

Acq: 18 Apr 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

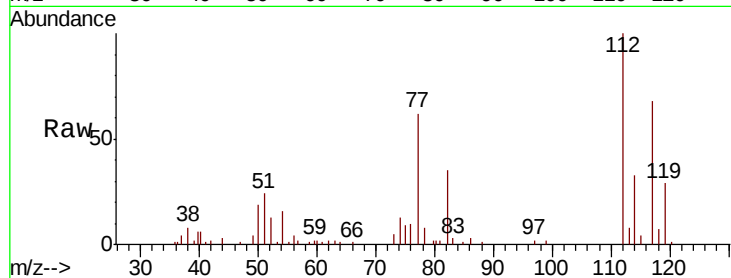
Tgt Ion: 112 Resp: 25832

Ion Ratio Lower Upper

112 100

114 33.0 21.6 40.2

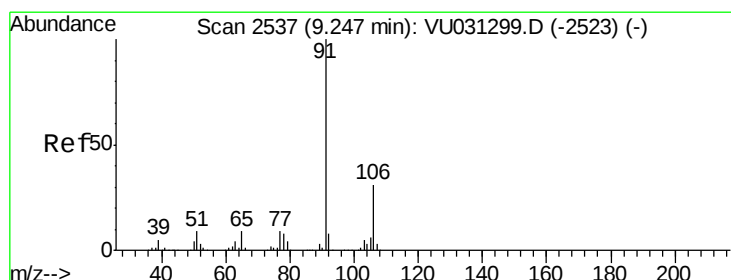
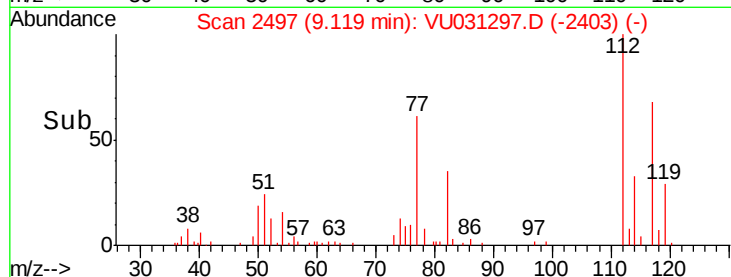
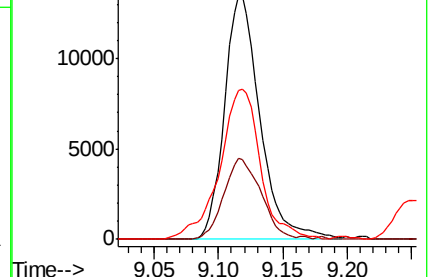
77 61.8 47.1 70.7



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): VU



#52

Ethylbenzene

Concen: 0.473 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU031297.D

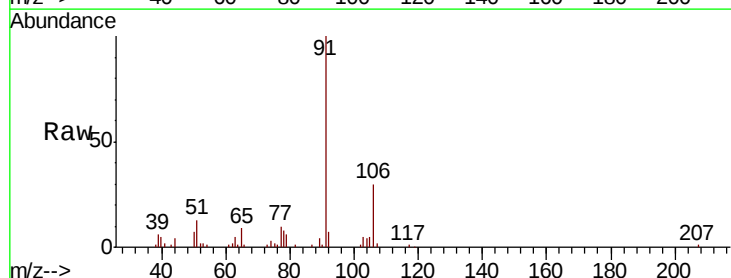
Acq: 18 Apr 2019 10:34

Tgt Ion: 91 Resp: 38907

Ion Ratio Lower Upper

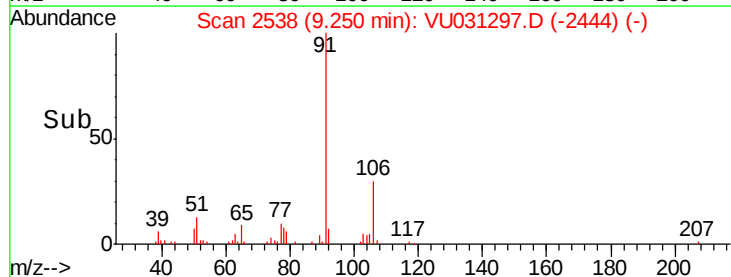
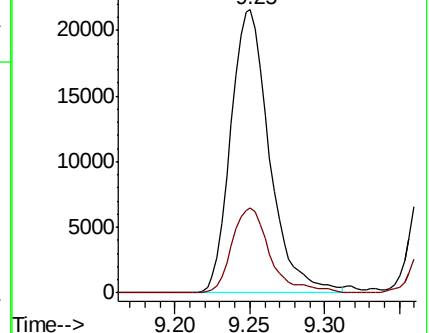
91 100

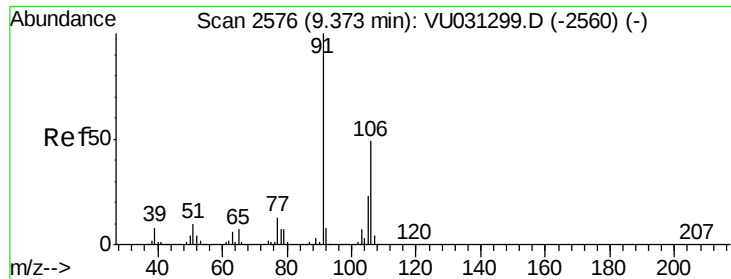
106 30.1 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 0.463 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031297.D

Acq: 18 Apr 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

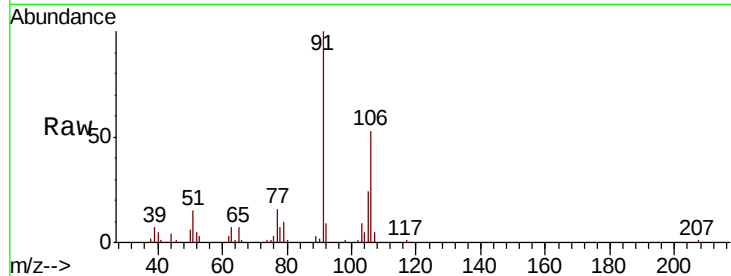
VSTD0.503

Tgt Ion:106 Resp: 13672

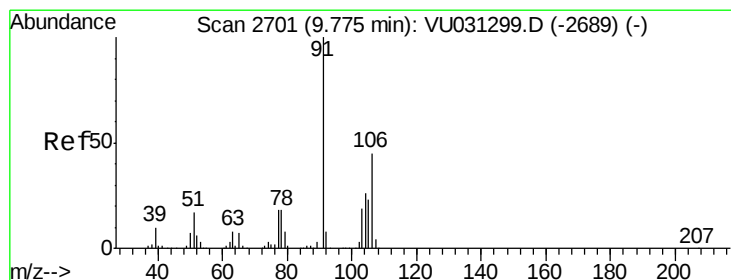
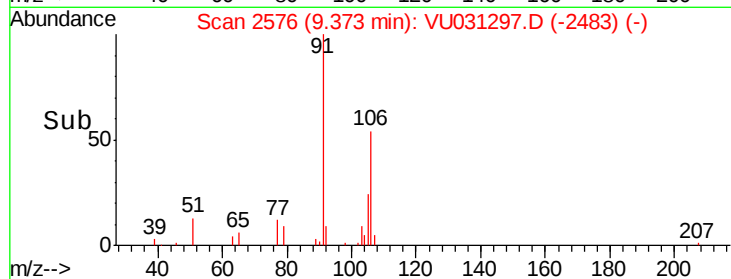
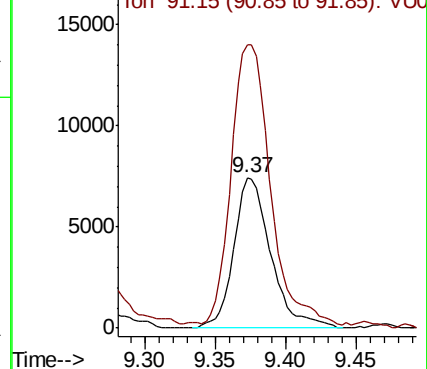
Ion Ratio Lower Upper

106 100

91 188.4 144.2 267.8



Abundance Ion 106.15 (105.85 to 106.85): V



#54

o-Xylene

Concen: 0.467 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU031297.D

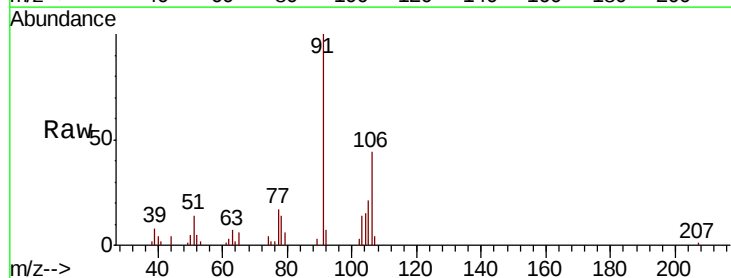
Acq: 18 Apr 2019 10:34

Tgt Ion:106 Resp: 13602

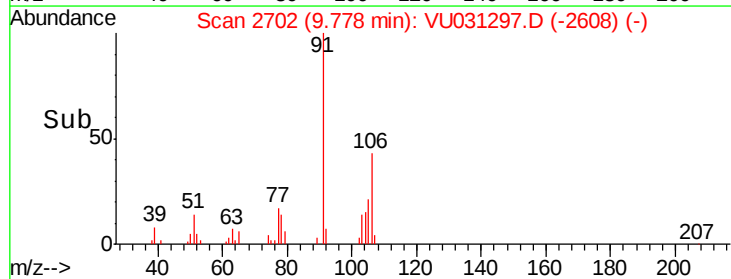
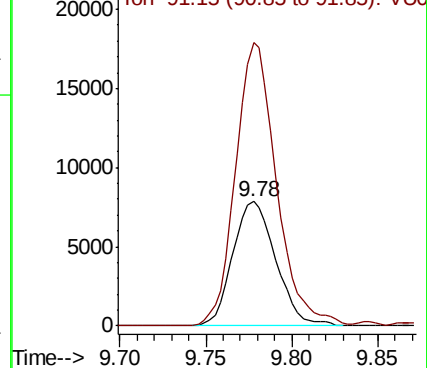
Ion Ratio Lower Upper

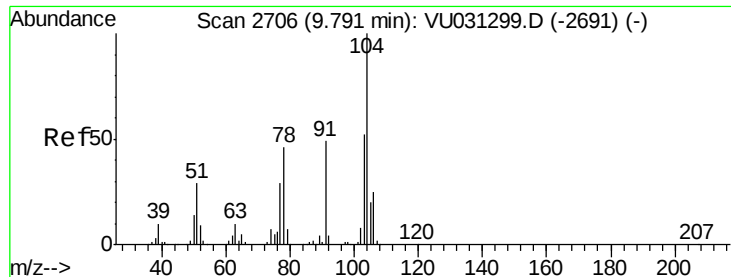
106 100

91 227.5 156.2 290.0



Abundance Ion 106.15 (105.85 to 106.85): V





#55

Styrene

Concen: 0.408 ug/L

RT: 9.79 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VU031297.D

Acq: 18 Apr 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

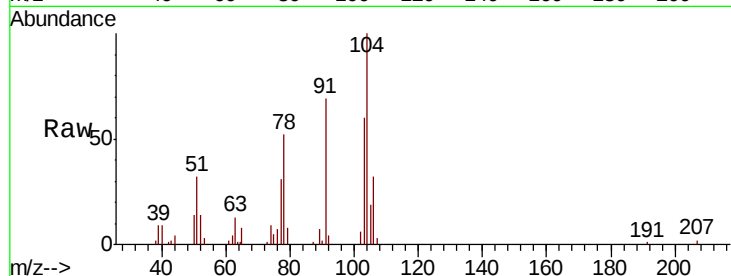
VSTD0.503

Tgt Ion:104 Resp: 19724

Ion Ratio Lower Upper

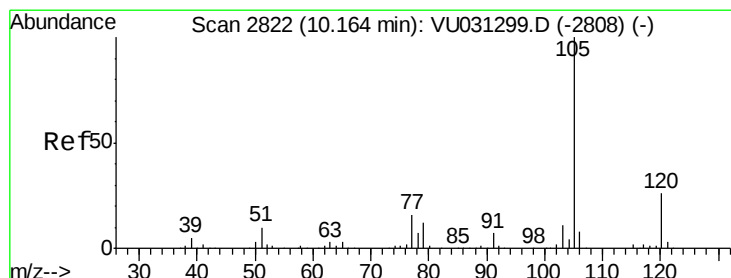
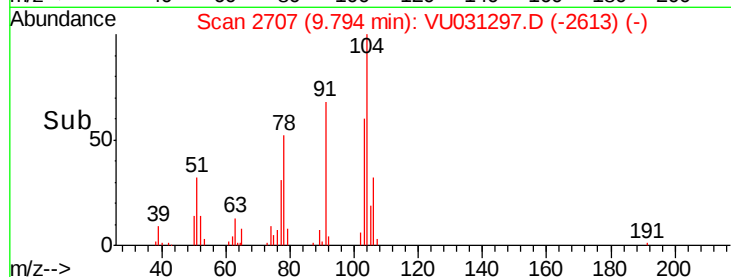
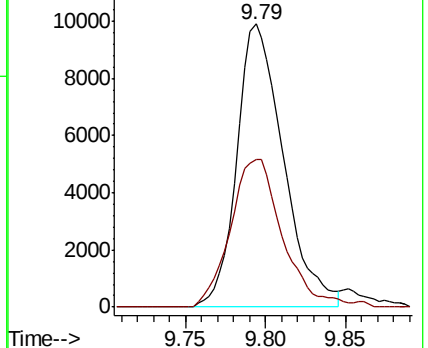
104 100

78 52.2 32.0 59.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0



#56

Isopropylbenzene

Concen: 0.444 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031297.D

Acq: 18 Apr 2019 10:34

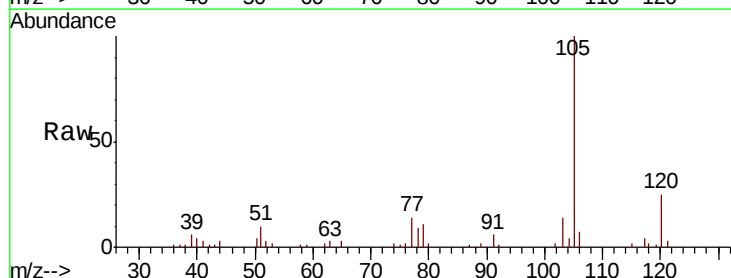
Tgt Ion:105 Resp: 33923

Ion Ratio Lower Upper

105 100

120 25.7 21.0 31.4

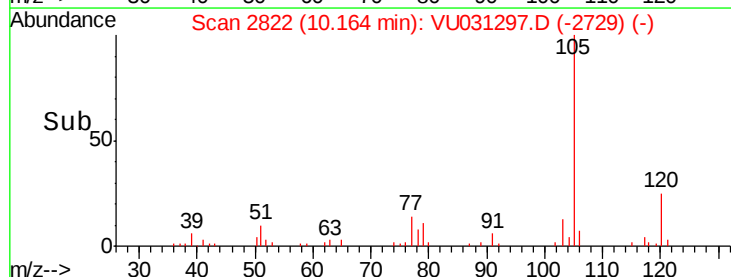
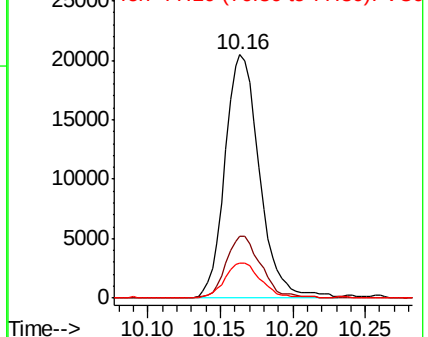
77 15.2 12.9 19.3

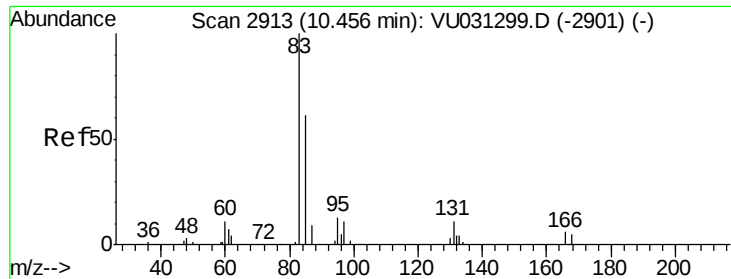


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU0

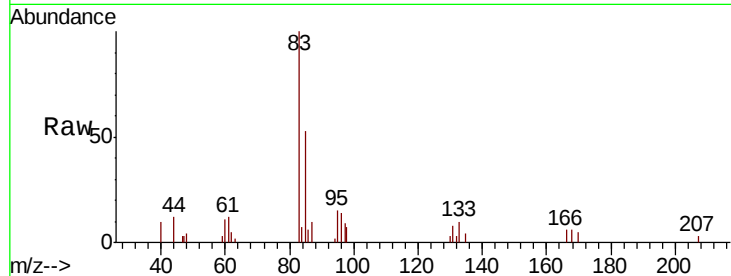




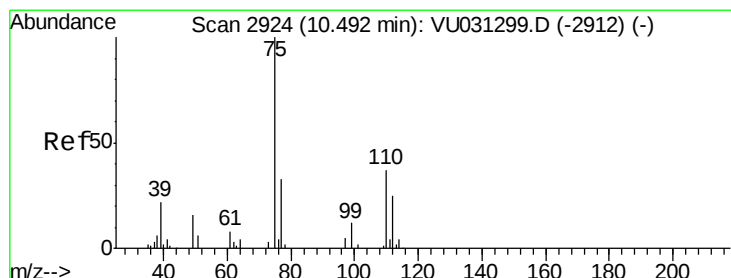
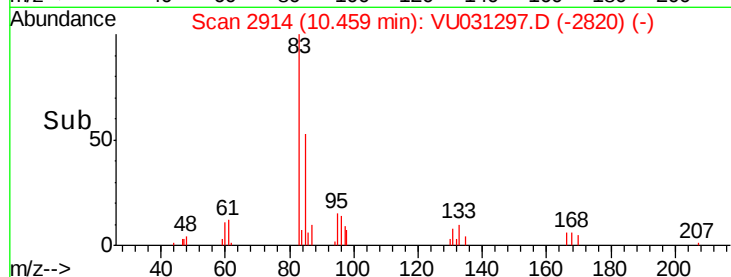
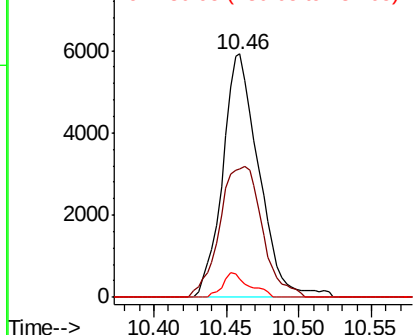
#58
 1,1,2,2-Tetrachloroethane
 Concen: 0.541 ug/L
 RT: 10.46 min Scan# 2914
 Delta R.T. 0.00 min
 Lab File: VU031297.D
 Acq: 18 Apr 2019 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tgt Ion: 83 Resp: 10257
 Ion Ratio Lower Upper
 83 100
 85 52.7 43.1 80.1
 131 7.7 9.4 14.2#

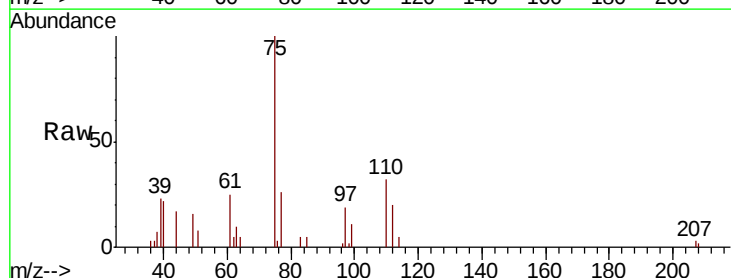


Abundance Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0
 Ion 130.95 (130.65 to 131.65): V

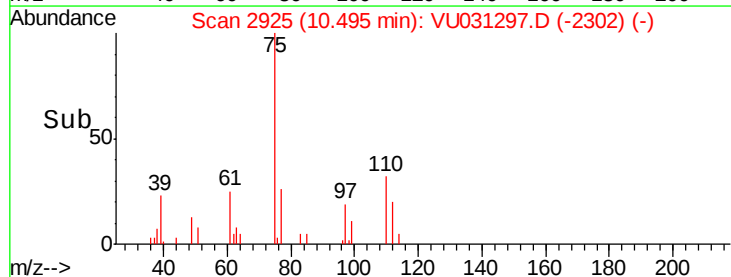
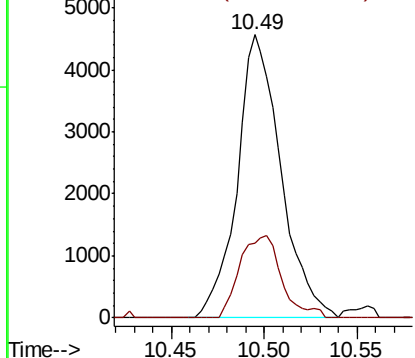


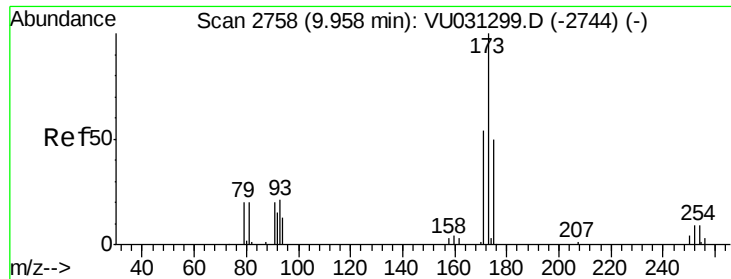
#59
 1,2,3-Trichloropropane
 Concen: 0.551 ug/L
 RT: 10.49 min Scan# 2925
 Delta R.T. 0.00 min
 Lab File: VU031297.D
 Acq: 18 Apr 2019 10:34

Tgt Ion: 75 Resp: 7476
 Ion Ratio Lower Upper
 75 100
 77 27.9 27.0 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0

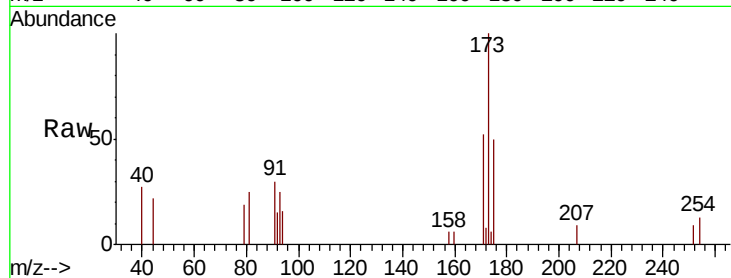




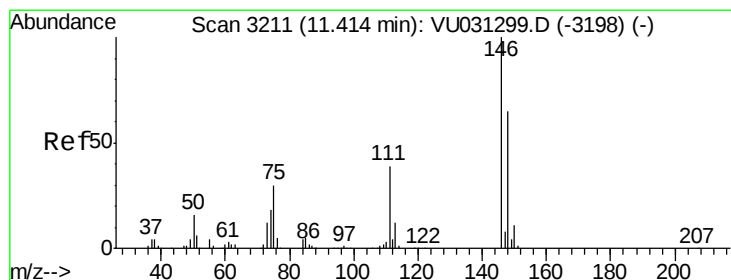
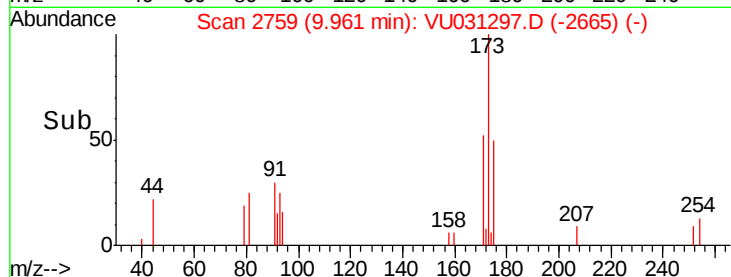
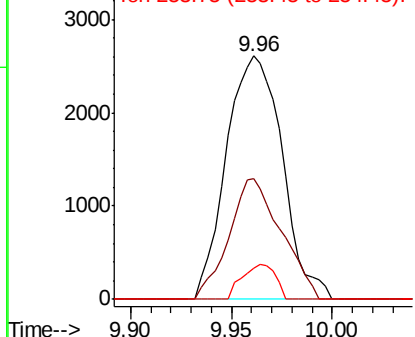
#61
Bromoform
Concen: 0.510 ug/L
RT: 9.96 min Scan# 2759
Delta R.T. 0.00 min
Lab File: VU031297.D
Acq: 18 Apr 2019 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

Tgt Ion:173 Resp: 5053
Ion Ratio Lower Upper
173 100
175 46.3 39.2 58.8
254 8.6 7.0 10.6

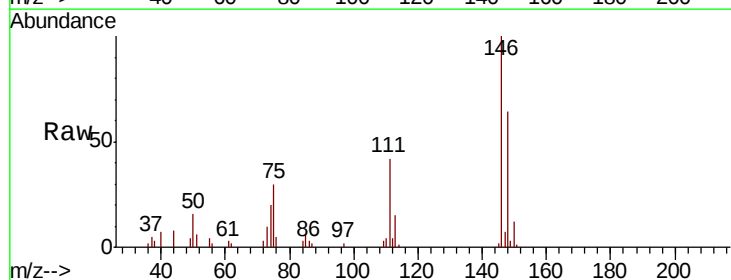


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

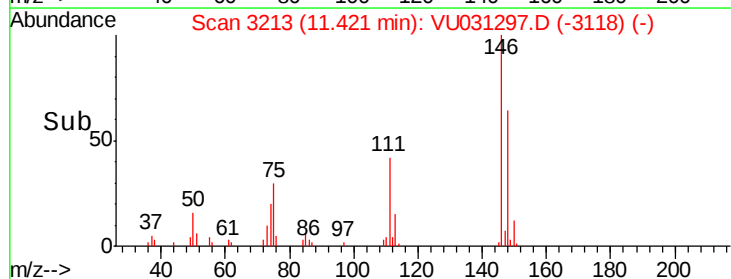
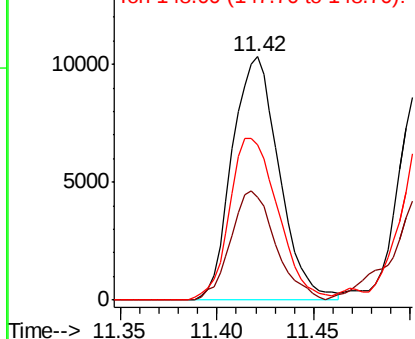


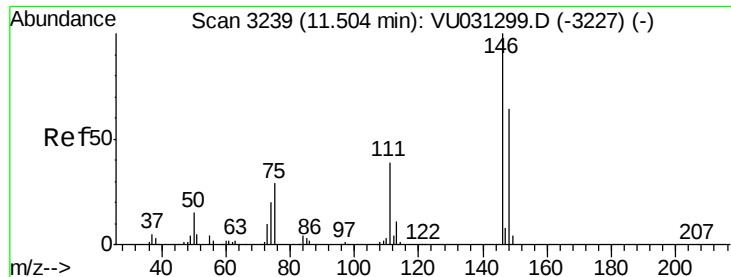
#62
1,3-Dichlorobenzene
Concen: 0.515 ug/L
RT: 11.42 min Scan# 3213
Delta R.T. 0.01 min
Lab File: VU031297.D
Acq: 18 Apr 2019 10:34

Tgt Ion:146 Resp: 17460
Ion Ratio Lower Upper
146 100
111 42.1 27.6 51.2
148 63.6 45.4 84.4



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

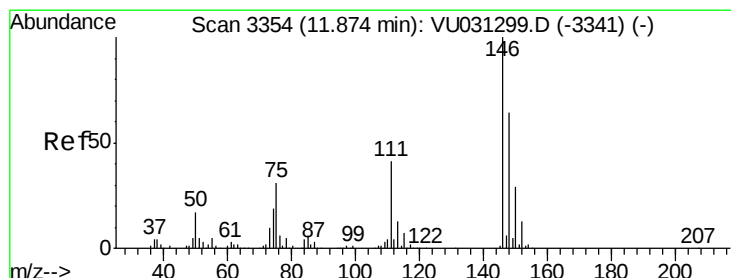
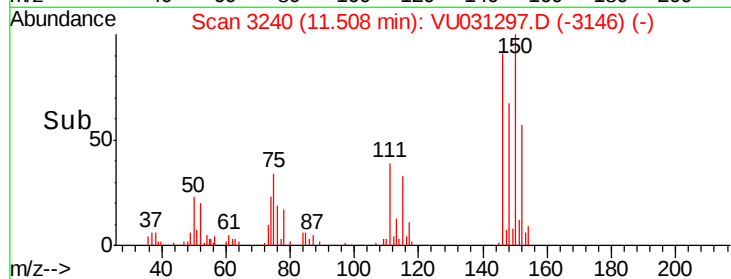
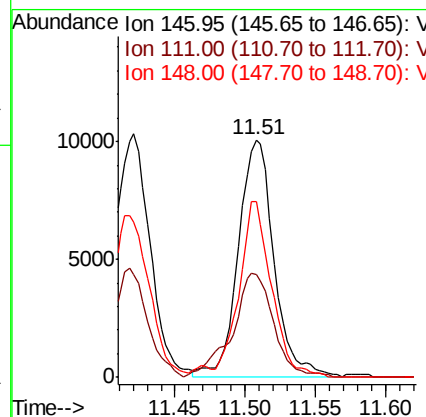
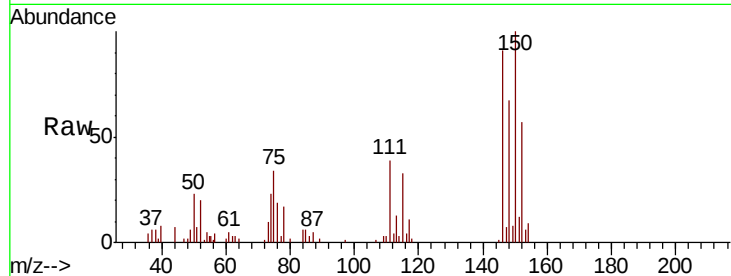




#63
 1,4-Dichlorobenzene
 Concen: 0.524 ug/L
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU031297.D
 Acq: 18 Apr 2019 10:34

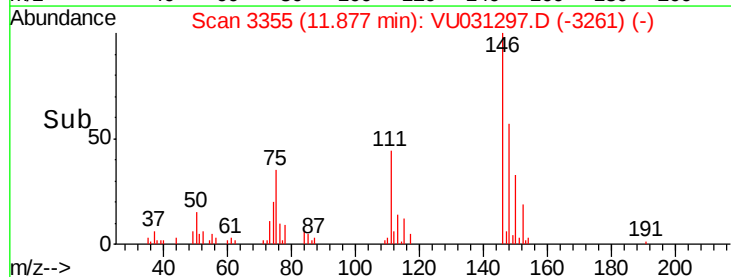
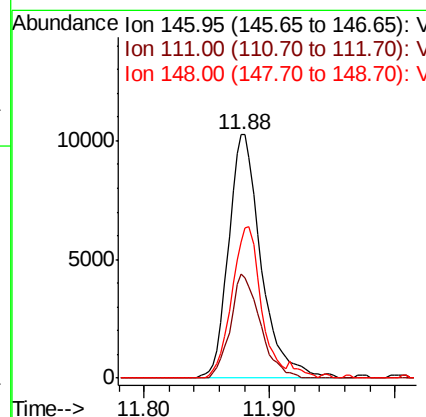
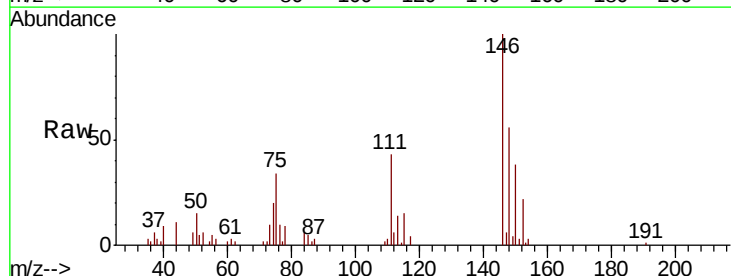
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

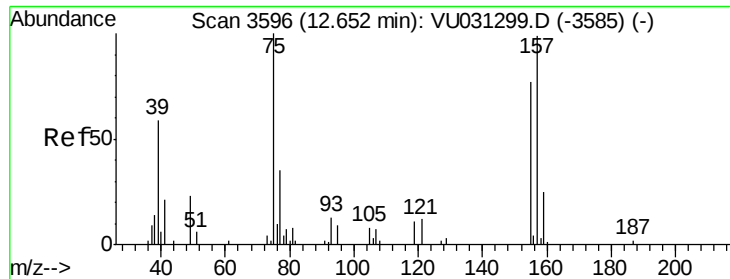
Tgt Ion:146 Resp: 17899
 Ion Ratio Lower Upper
 146 100
 111 43.1 27.6 51.2
 148 74.2 44.9 83.5



#65
 1,2-Dichlorobenzene
 Concen: 0.534 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU031297.D
 Acq: 18 Apr 2019 10:34

Tgt Ion:146 Resp: 18453
 Ion Ratio Lower Upper
 146 100
 111 43.0 33.0 49.6
 148 56.1 51.4 77.2





#66

1,2-Dibromo-3-chloropropane

Concen: 0.479 ug/L

RT: 12.66 min Scan# 3599

Delta R.T. 0.01 min

Lab File: VU031297.D

Acq: 18 Apr 2019 10:34

Instrument :

MSVOA_U

ClientSampled :

VSTD0.503

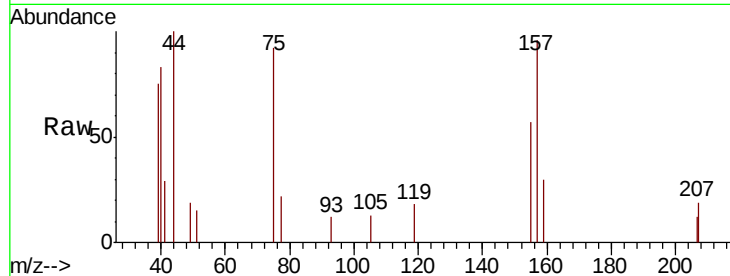
Tgt Ion: 75 Resp: 1345

Ion Ratio Lower Upper

75 100

155 61.8 61.8 92.6

157 104.0 79.4 119.0



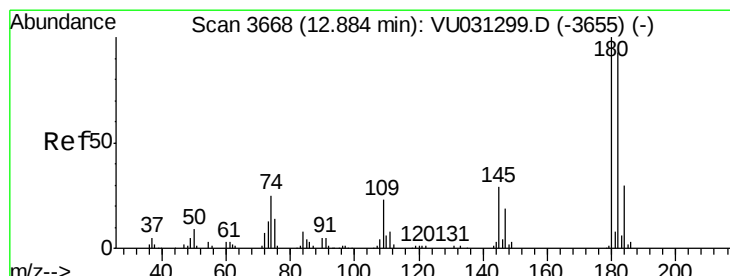
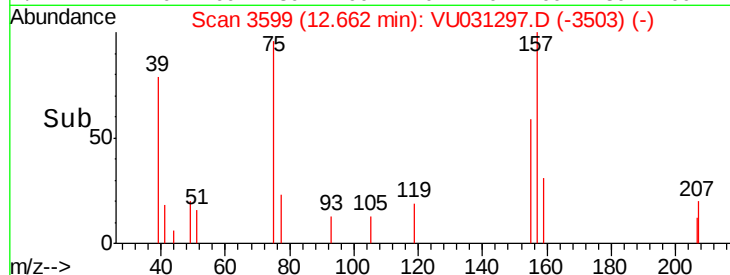
Abundance Ion 75.05 (74.75 to 75.75): VU031297.D (-3585) (-)

Ion 154.95 (154.65 to 155.65): VU031297.D (-3585) (-)

Ion 156.90 (156.60 to 157.60): VU031297.D (-3585) (-)

12.66

Time-->



#67

1,3,5-Trichlorobenzene

Concen: 0.497 ug/L

RT: 12.89 min Scan# 3669

Delta R.T. 0.00 min

Lab File: VU031297.D

Acq: 18 Apr 2019 10:34

Tgt Ion: 180 Resp: 13856

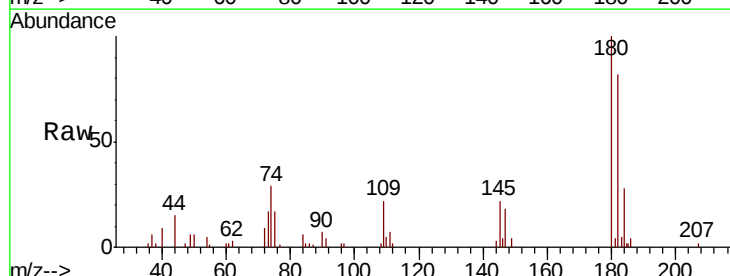
Ion Ratio Lower Upper

180 100

182 90.8 77.0 115.6

184 29.7 23.9 35.9

145 25.7 23.3 34.9



Abundance Ion 180.00 (179.70 to 180.70): VU031299.D (-3655) (-)

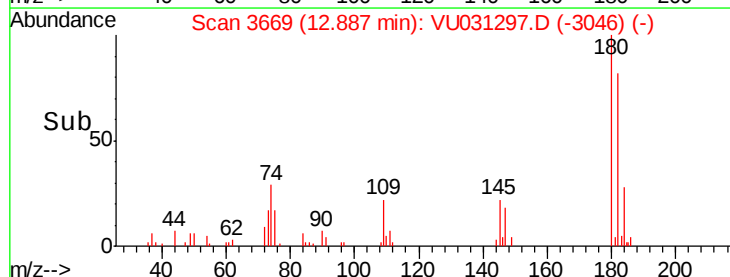
Ion 182.00 (181.70 to 182.70): VU031299.D (-3655) (-)

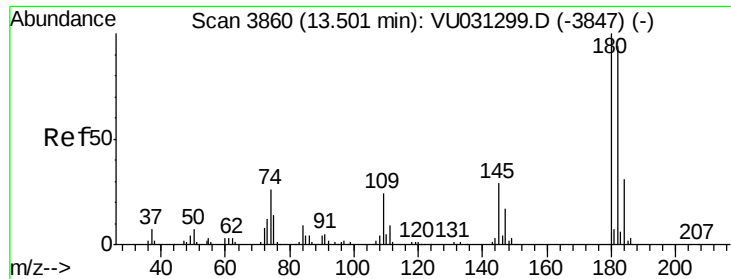
Ion 184.00 (183.70 to 184.70): VU031299.D (-3655) (-)

Ion 145.00 (144.70 to 145.70): VU031299.D (-3655) (-)

12.89

Time-->





#68

1,2,4-trichlorobenzene

Concen: 0.456 ug/L

RT: 13.51 min Scan# 3862

Delta R.T. 0.01 min

Lab File: VU031297.D

Acq: 18 Apr 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

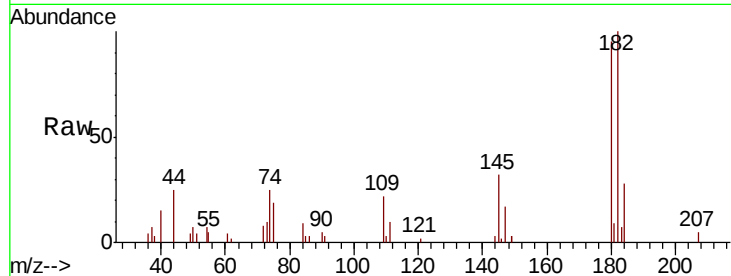
Tgt Ion:180 Resp: 9166

Ion Ratio Lower Upper

180 100

182 94.7 75.2 112.8

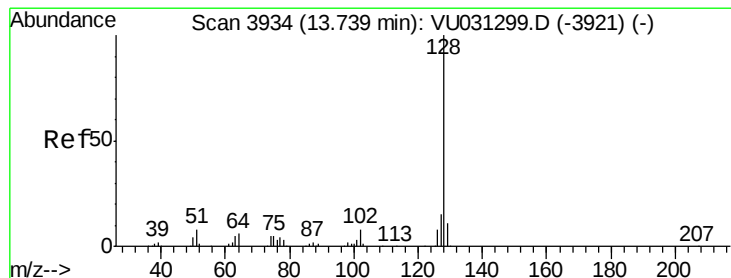
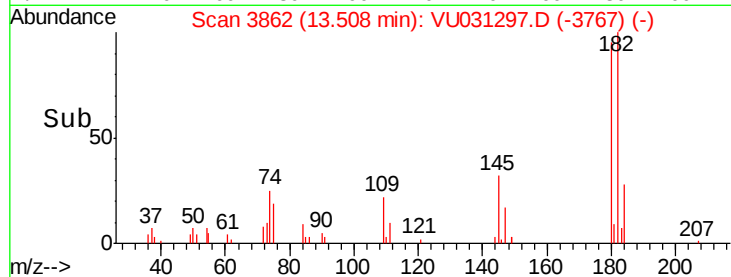
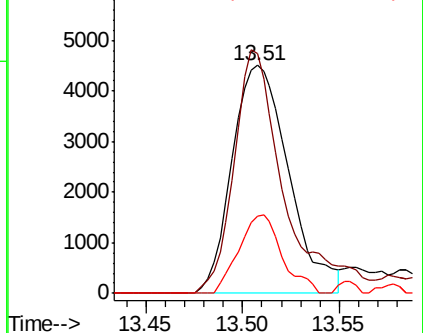
145 26.2 22.7 34.1



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: 0.400 ug/L

RT: 13.75 min Scan# 3938

Delta R.T. 0.01 min

Lab File: VU031297.D

Acq: 18 Apr 2019 10:34

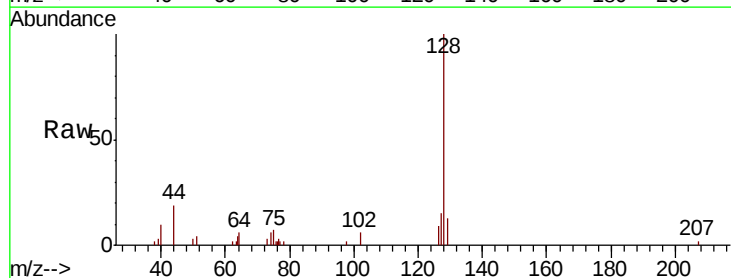
Tgt Ion:128 Resp: 14041

Ion Ratio Lower Upper

128 100

129 10.5 8.8 13.2

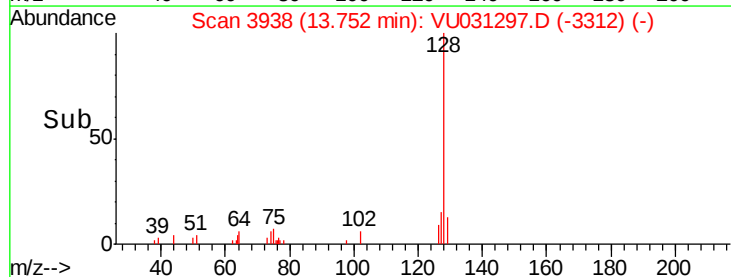
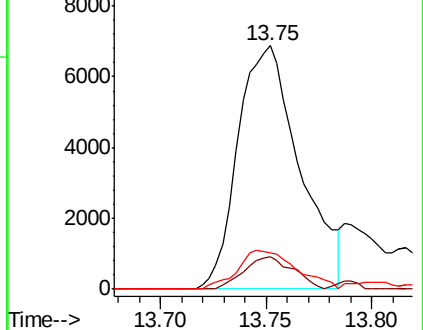
127 15.0 10.8 16.2

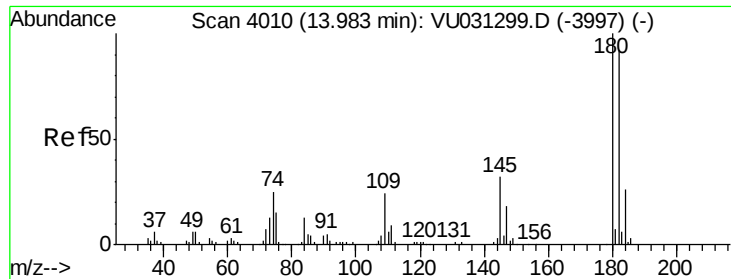


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

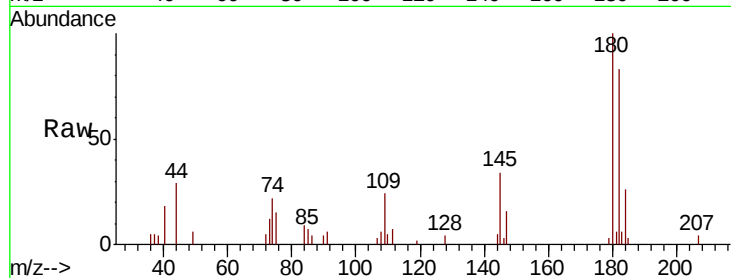




#70
 1,2,3-Trichlorobenzene
 Concen: 0.429 ug/L
 RT: 13.99 min Scan# 4012
 Delta R.T. 0.01 min
 Lab File: VU031297.D
 Acq: 18 Apr 2019 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.3	74.3	111.5
145	35.4	25.3	37.9



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

