

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041919\
 Data File : VU031329.D
 Acq On : 19 Apr 2019 00:13
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

Quant Time: Apr 19 04:33:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 19 04:26:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	192082	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	191192	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	83445	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	98758	4.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.20%
7) Chloroethane-d5	1.68	69	82615	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.27	63	197838	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.20%
20) 2-Butanone-d5	4.21	46	202179	48.84	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.68%
24) Chloroform-d	4.64	84	135361	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	5.31	65	70822	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.33	84	245431	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	6.33	67	77202	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.20%
41) Toluene-d8	7.56	98	223401	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	7.85	79	32154	4.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.00%
46) 2-Hexanone-d5	8.31	63	144283	46.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	66693	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	76497	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	113425	5.134	ug/L 98
3) Chloromethane	1.32	50	144086	4.819	ug/L 99
5) Vinyl chloride	1.40	62	153808	5.049	ug/L 100
6) Bromomethane	1.63	94	79612	4.716	ug/L 99
8) Chloroethane	1.70	64	89398	5.146	ug/L 99
9) Trichlorofluoromethane	1.88	101	191900	5.009	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	103969	5.023	ug/L 97
12) 1,1-Dichloroethene	2.28	96	101522	4.924	ug/L 92
13) Acetone	2.35	43	212930	46.231	ug/L 98
14) Carbon disulfide	2.47	76	334485	4.859	ug/L 99
15) Methyl Acetate	2.62	43	62480	4.963	ug/L 99
16) Methylene chloride	2.70	84	117529	4.695	ug/L 98
17) Methyl tert-butyl Ether	3.00	73	280654	5.081	ug/L 99
18) trans-1,2-Dichloroethene	2.97	96	107482	4.942	ug/L 99
19) 1,1-Dichloroethane	3.44	63	146695	4.833	ug/L 99
21) 2-Butanone	4.29	43	224080	47.338	ug/L 97
22) cis-1,2-Dichloroethene	4.22	96	79763	4.743	ug/L 89

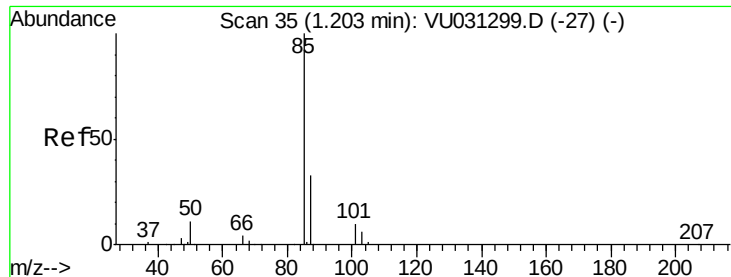
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041919\
 Data File : VU031329.D
 Acq On : 19 Apr 2019 00:13
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

Quant Time: Apr 19 04:33:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 19 04:26:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	38298	5.110	ug/L	95
25) Chloroform	4.67	83	152224	5.091	ug/L	99
27) 1,2-Dichloroethane	5.40	62	95262	4.941	ug/L	98
29) 1,1,1-Trichloroethane	4.91	97	127040	4.921	ug/L	99
30) Cyclohexane	4.99	56	113698	4.323	ug/L	97
31) Carbon tetrachloride	5.13	117	113773	4.935	ug/L	94
33) Benzene	5.38	78	311761	4.804	ug/L	100
34) Trichloroethene	6.18	95	77963	4.445	ug/L	96
35) Methylcyclohexane	6.41	83	101120	4.186	ug/L	97
37) 1,2-Dichloropropane	6.43	63	81166	4.745	ug/L	99
38) Bromodichloromethane	6.75	83	104235	4.883	ug/L	94
39) cis-1,3-Dichloropropene	7.27	75	104195	4.563	ug/L	92
40) 4-Methyl-2-pentanone	7.46	43	512683	46.670	ug/L	98
42) Toluene	7.63	91	324692	4.962	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	87002	4.608	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	67468	5.535	ug/L	96
47) Tetrachloroethene	8.22	164	61747	4.724	ug/L	92
48) 2-Hexanone	8.36	43	379586	48.686	ug/L	98
49) Dibromochloromethane	8.47	129	71734	4.919	ug/L	98
50) 1,2-Dibromoethane	8.58	107	56055	4.855	ug/L	95
51) Chlorobenzene	9.12	112	195953	4.783	ug/L	97
52) Ethylbenzene	9.25	91	319520	4.727	ug/L	100
53) m,p-Xylene	9.37	106	118312	4.873	ug/L	98
54) o-Xylene	9.78	106	113641	4.749	ug/L	97
55) Styrene	9.79	104	204944	5.156	ug/L	98
56) Isopropylbenzene	10.16	105	299940	4.775	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	74190	4.761	ug/L #	99
59) 1,2,3-Trichloropropane	10.49	75	53880	4.826	ug/L	100
61) Bromoform	9.96	173	42251	5.267	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	136415	4.971	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	137733	4.981	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	139408	4.991	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	11393	5.011	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	107414	4.765	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	77535	4.770	ug/L	94
69) Naphthalene	13.74	128	126894	3.977	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	82390	4.893	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 5.134 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031329.D

Acq: 19 Apr 2019 00:13

Instrument :

MSVOA_U

ClientSampleId :

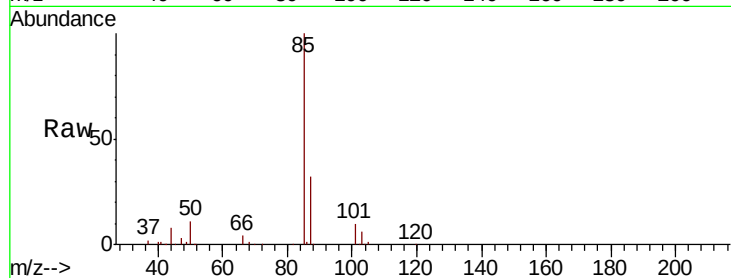
VSTD00543

Tgt Ion: 85 Resp: 113425

Ion Ratio Lower Upper

85 100

87 32.5 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VU031329.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU031329.D (-27) (-)

1.20

120000

100000

80000

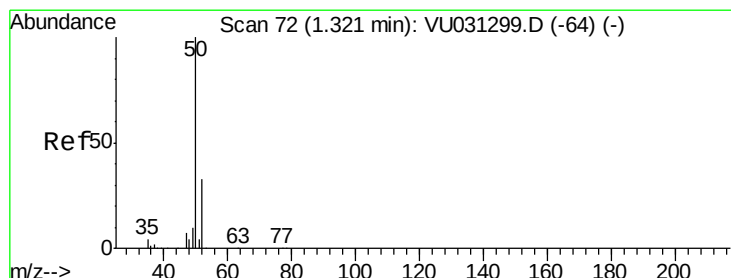
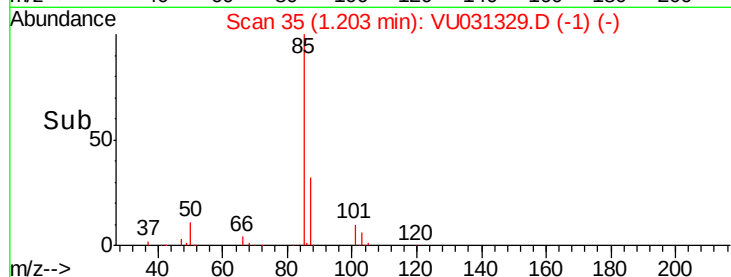
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 4.819 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU031329.D

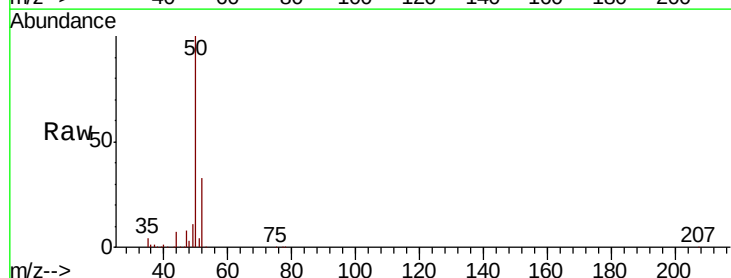
Acq: 19 Apr 2019 00:13

Tgt Ion: 50 Resp: 144086

Ion Ratio Lower Upper

50 100

52 32.5 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VU031329.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU031329.D (-64) (-)

1.32

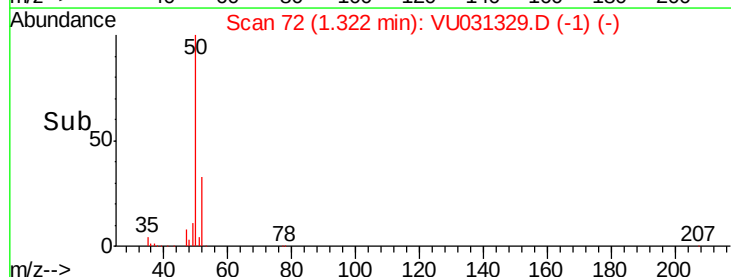
150000

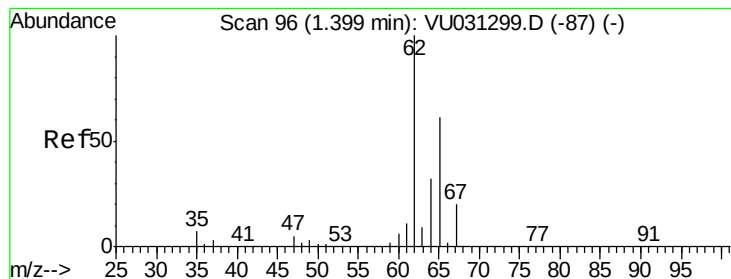
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 5.049 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031329.D

Acq: 19 Apr 2019 00:13

Instrument :

MSVOA_U

ClientSampleId :

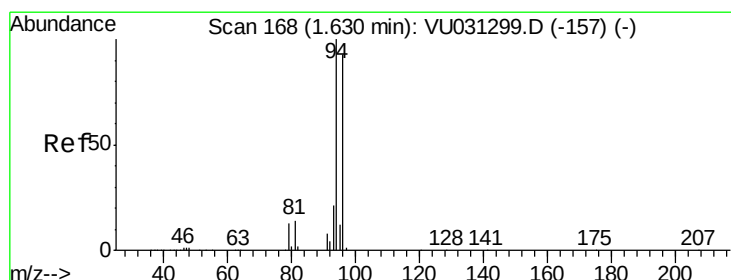
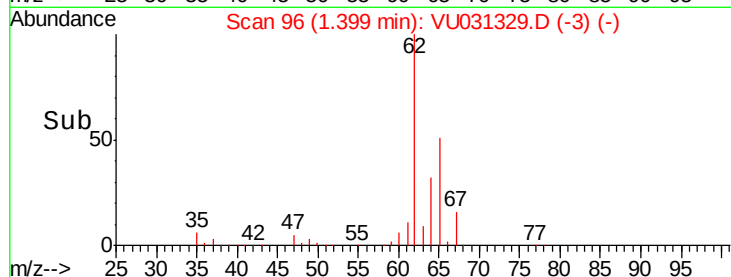
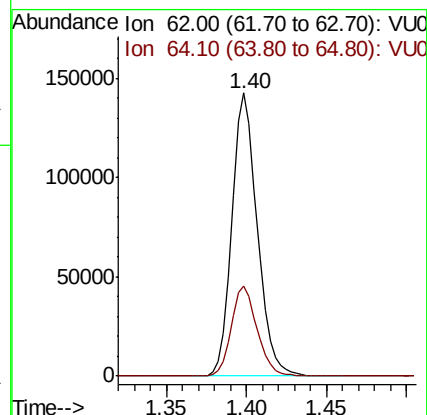
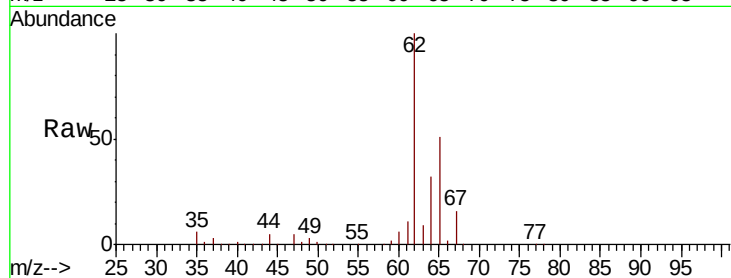
VSTD00543

Tgt Ion: 62 Resp: 153808

Ion Ratio Lower Upper

62 100

64 32.0 22.5 41.7



#6

Bromomethane

Concen: 4.716 ug/L

RT: 1.63 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU031329.D

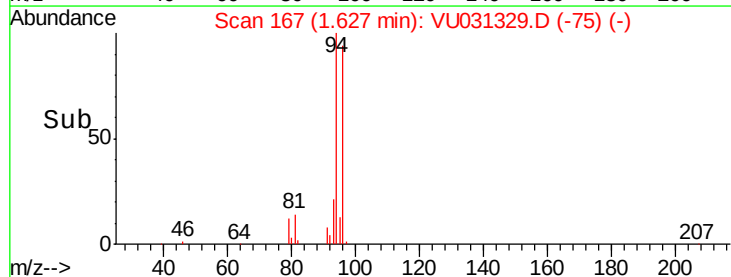
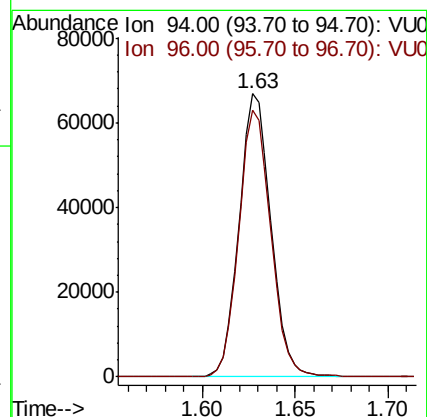
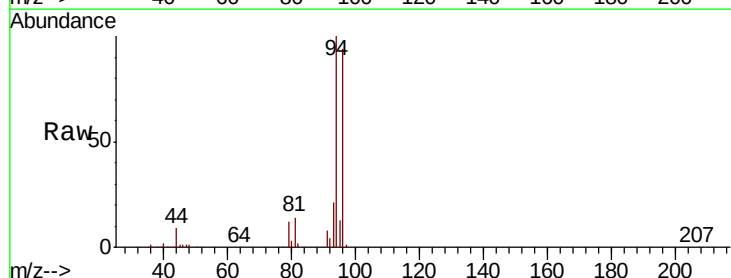
Acq: 19 Apr 2019 00:13

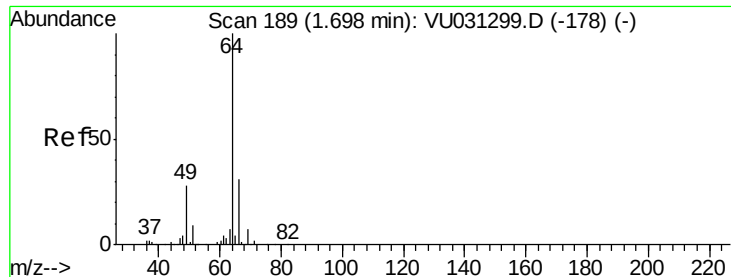
Tgt Ion: 94 Resp: 79612

Ion Ratio Lower Upper

94 100

96 94.4 65.1 120.9





#8

Chloroethane

Concen: 5.146 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031329.D

Acq: 19 Apr 2019 00:13

Instrument :

MSVOA_U

ClientSampleId :

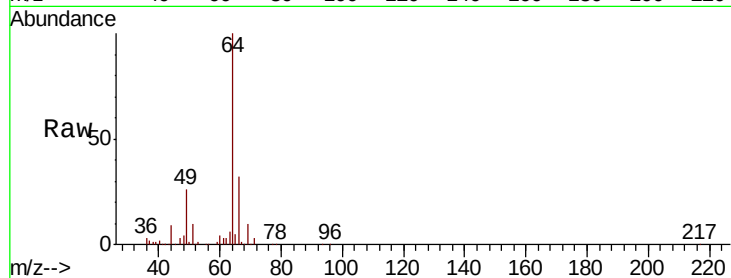
VSTD00543

Tgt Ion: 64 Resp: 89398

Ion Ratio Lower Upper

64 100

66 31.9 21.9 40.7

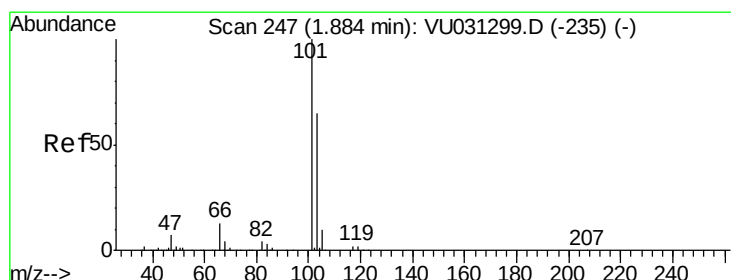
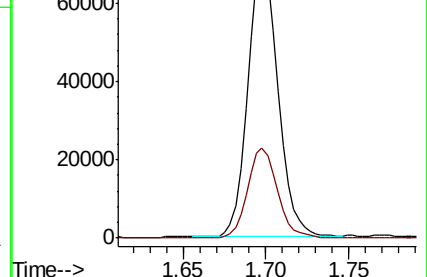
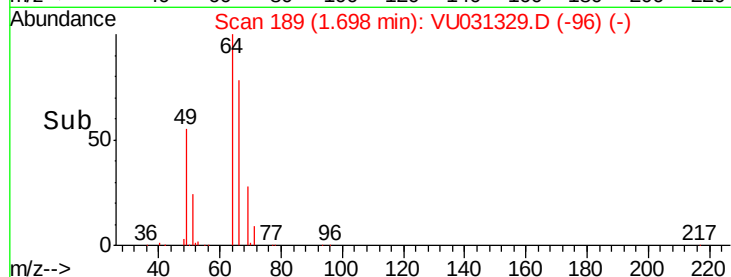


Abundance Ion 64.10 (63.80 to 64.80): VU031299.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU031299.D (-178) (-)

1.70

Time-->



#9

Trichlorofluoromethane

Concen: 5.009 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU031329.D

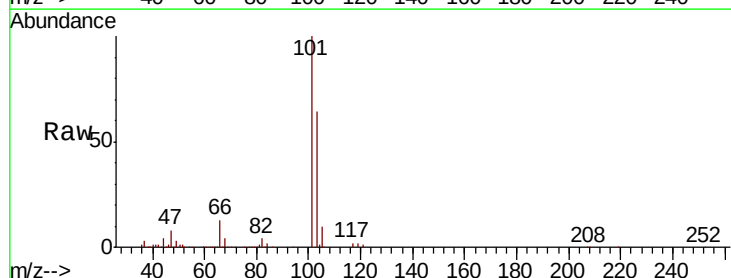
Acq: 19 Apr 2019 00:13

Tgt Ion: 101 Resp: 191900

Ion Ratio Lower Upper

101 100

103 65.0 52.3 78.5

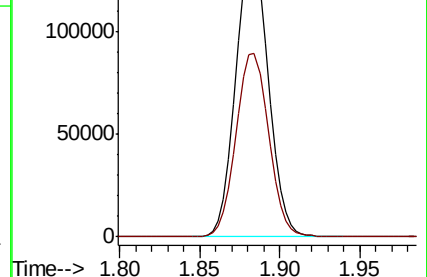
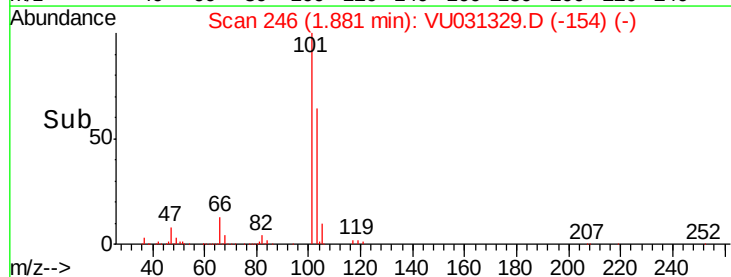


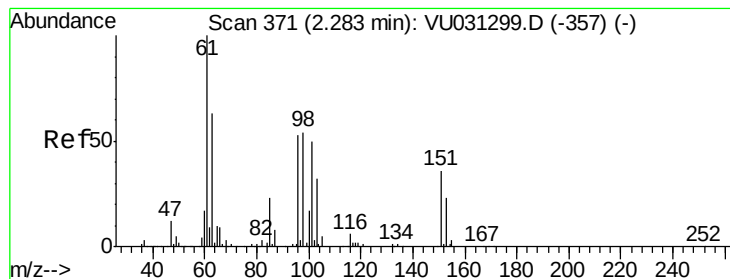
Abundance Ion 101.00 (100.70 to 101.70): VU031299.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU031299.D (-235) (-)

1.88

Time-->





#10

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

Concen: 5.023 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031329.D

Acq: 19 Apr 2019 00:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00543

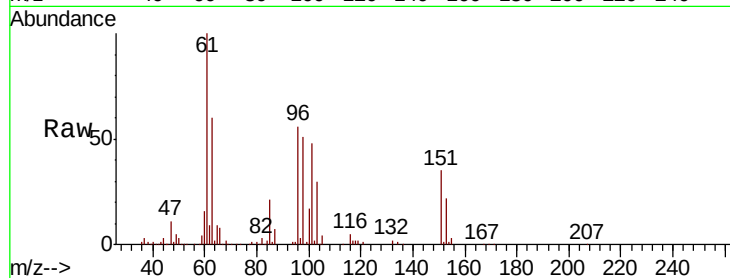
Tgt Ion:101 Resp: 103969

Ion Ratio Lower Upper

101 100

85 43.2 37.2 55.8

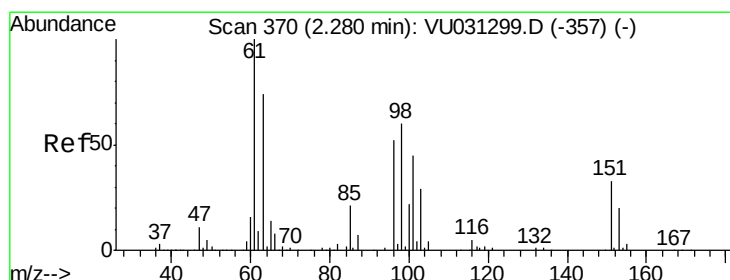
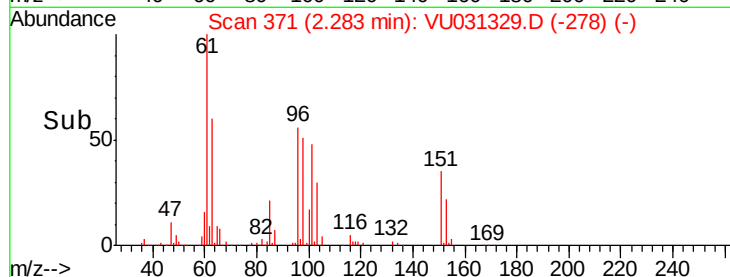
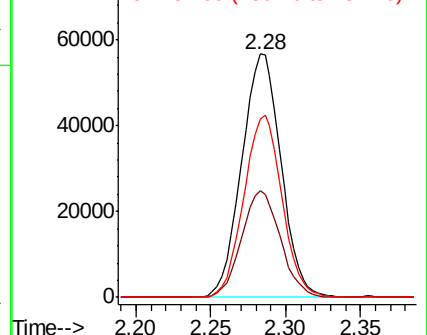
151 72.5 58.9 88.3



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: 4.924 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031329.D

Acq: 19 Apr 2019 00:13

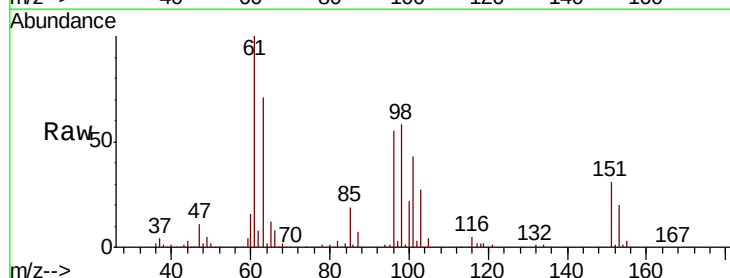
Tgt Ion: 96 Resp: 101522

Ion Ratio Lower Upper

96 100

61 183.2 133.7 248.3

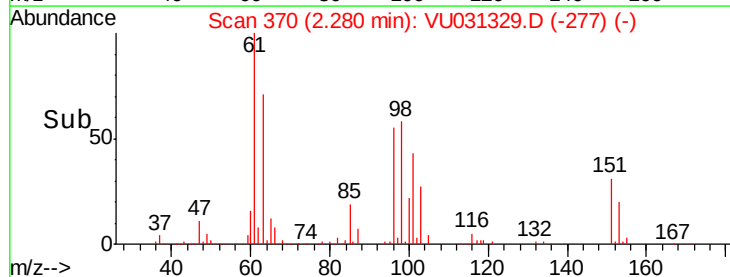
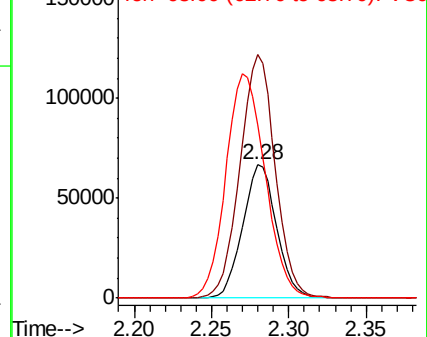
63 130.0 100.5 186.7

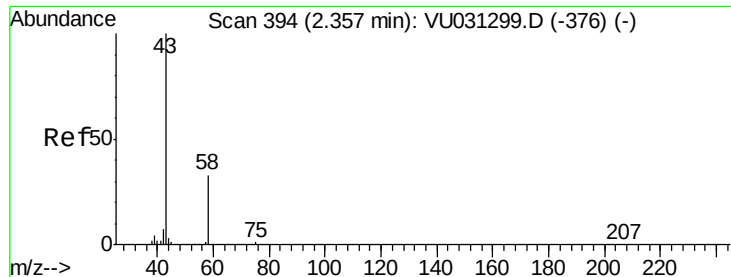


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.231 ug/L

RT: 2.35 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU031329.D

Acq: 19 Apr 2019 00:13

Instrument :

MSVOA_U

ClientSampleId :

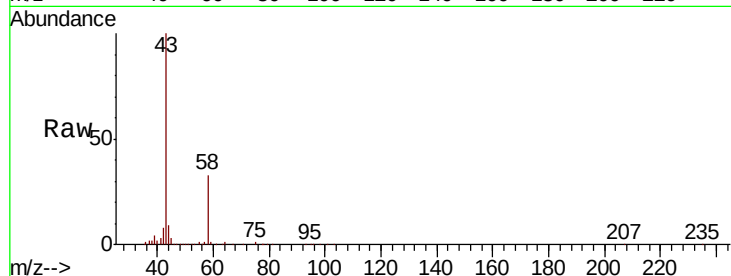
VSTD00543

Tgt Ion: 43 Resp: 212930

Ion Ratio Lower Upper

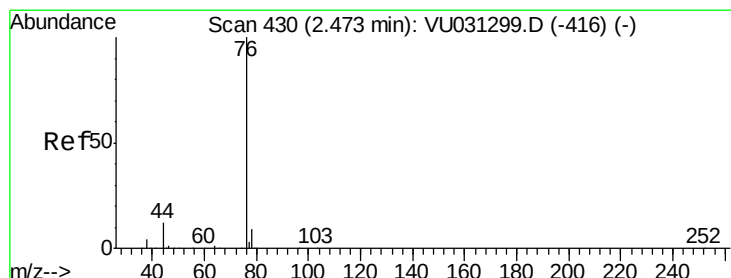
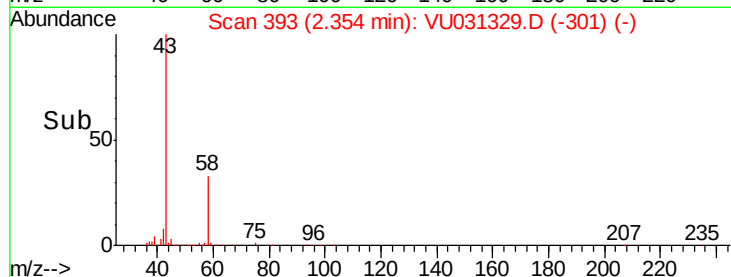
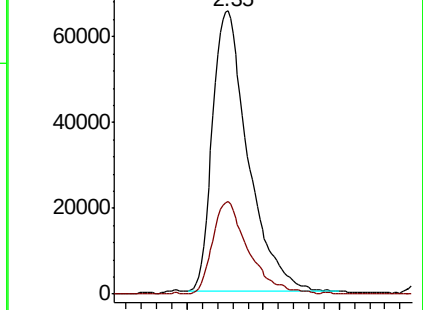
43 100

58 33.5 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: 4.859 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031329.D

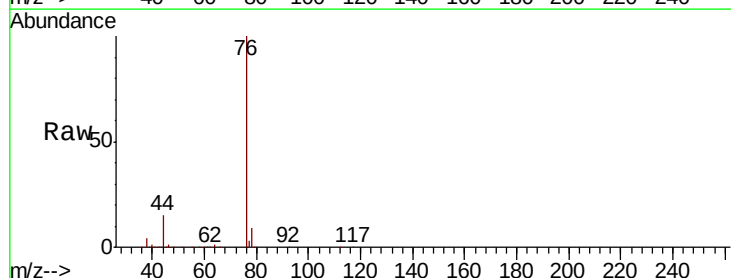
Acq: 19 Apr 2019 00:13

Tgt Ion: 76 Resp: 334485

Ion Ratio Lower Upper

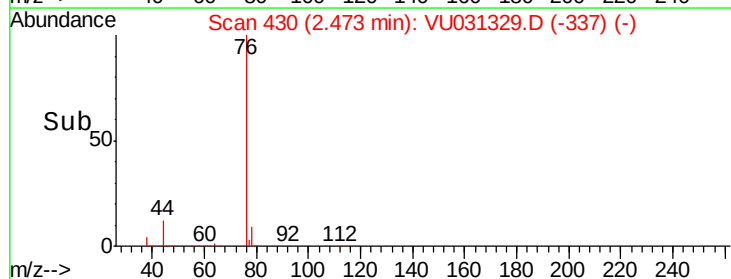
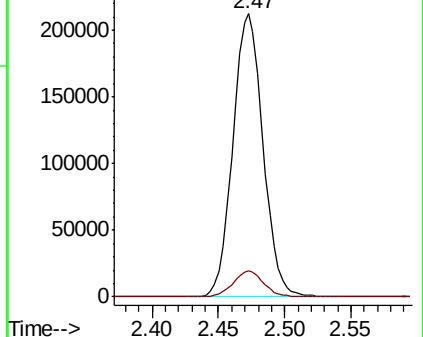
76 100

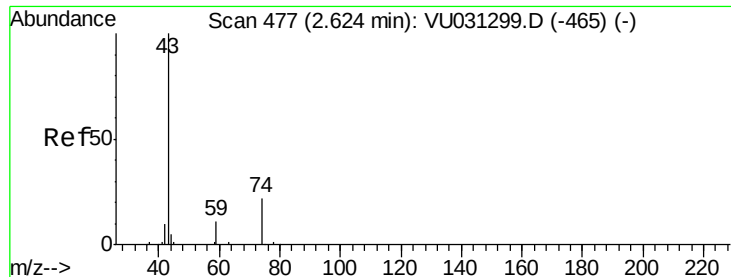
78 9.1 7.6 11.4



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

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

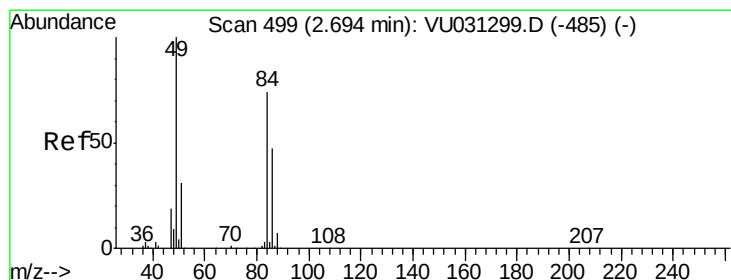
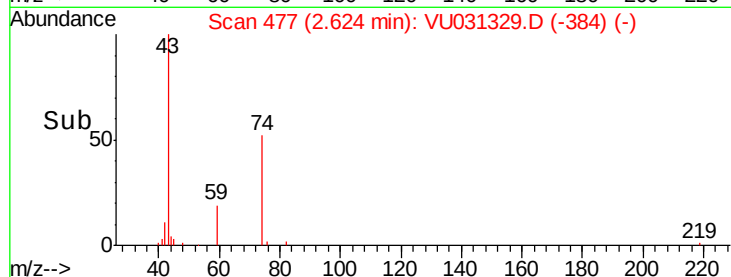
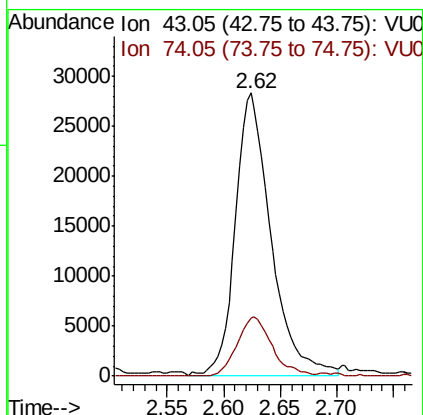
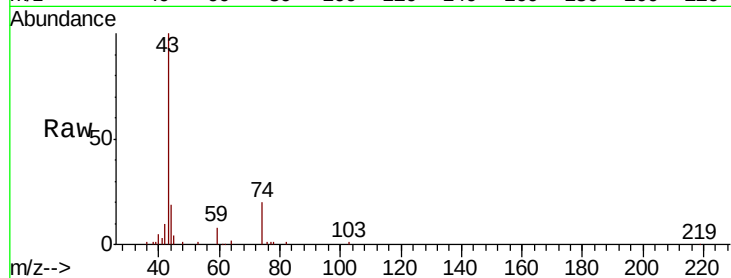




#15
Methyl Acetate
Concen: 4.963 ug/L
RT: 2.62 min Scan# 477
Delta R.T. 0.00 min
Lab File: VU031329.D
Acq: 19 Apr 2019 00:13

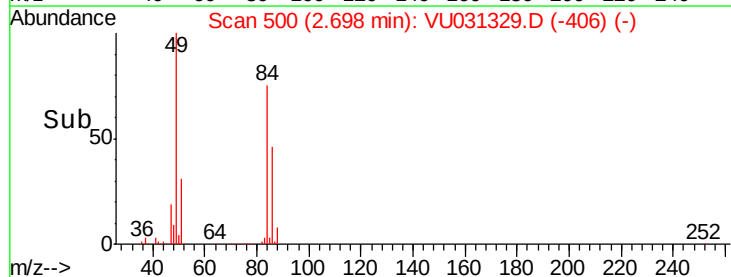
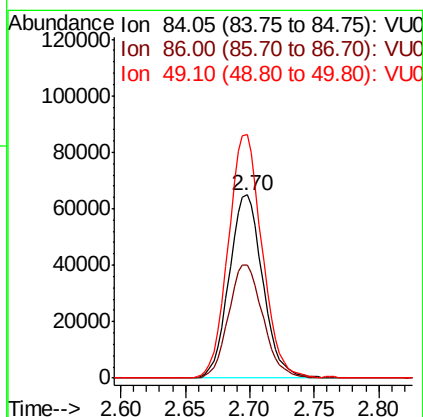
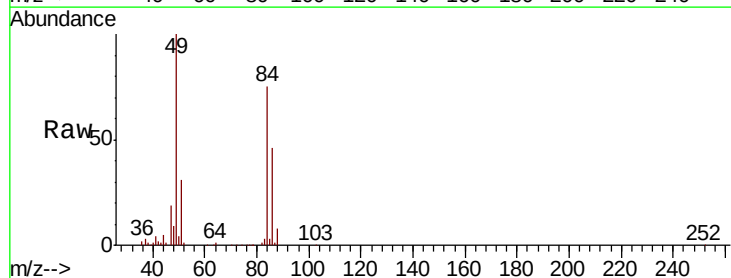
Instrument :
MSVOA_U
ClientSampleId :
VSTD00543

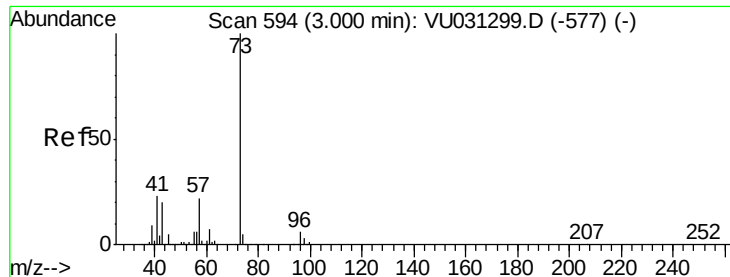
Tgt Ion: 43 Resp: 62480
Ion Ratio Lower Upper
43 100
74 20.4 16.7 25.1



#16
Methylene chloride
Concen: 4.695 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031329.D
Acq: 19 Apr 2019 00:13

Tgt Ion: 84 Resp: 117529
Ion Ratio Lower Upper
84 100
86 61.5 44.1 81.9
49 132.8 94.6 175.6





#17

Methyl tert-butyl Ether

Concen: 5.081 ug/L

RT: 3.00 min Scan# 594

Delta R.T. 0.00 min

Lab File: VU031329.D

Acq: 19 Apr 2019 00:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00543

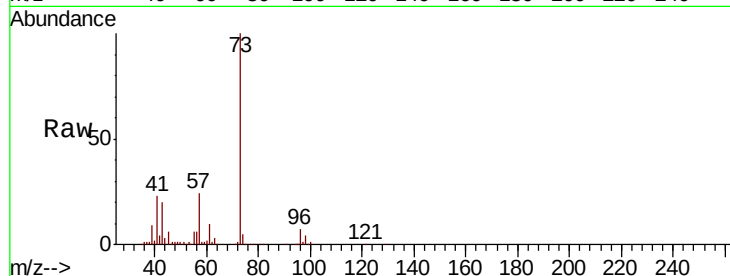
Tgt Ion: 73 Resp: 280654

Ion Ratio Lower Upper

73 100

43 20.1 16.3 24.5

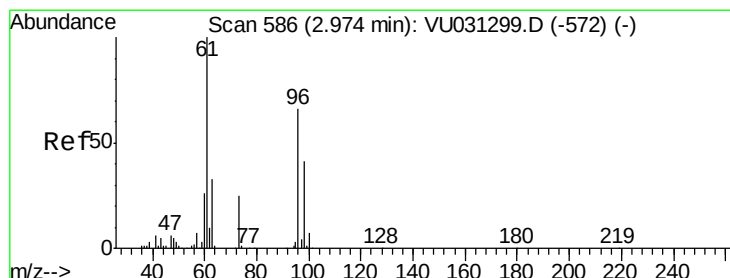
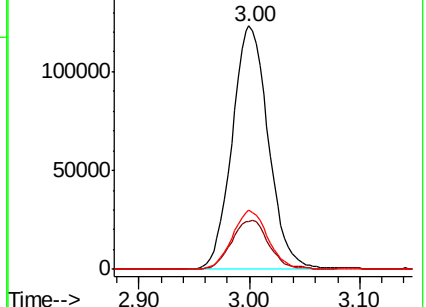
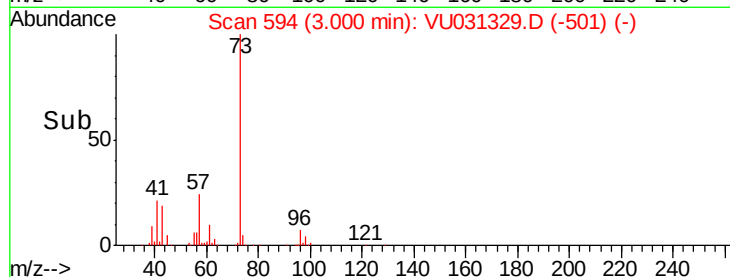
57 23.8 18.8 28.2



Abundance Ion 73.10 (72.80 to 73.80): VU031329.D (-577) (-)

Ion 43.05 (42.75 to 43.75): VU031329.D (-577) (-)

Ion 57.10 (56.80 to 57.80): VU031329.D (-577) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.942 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU031329.D

Acq: 19 Apr 2019 00:13

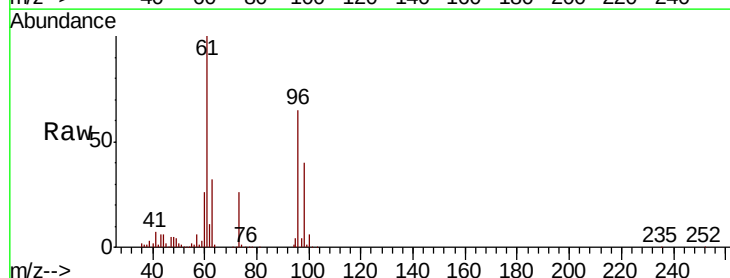
Tgt Ion: 96 Resp: 107482

Ion Ratio Lower Upper

96 100

61 154.0 106.5 197.7

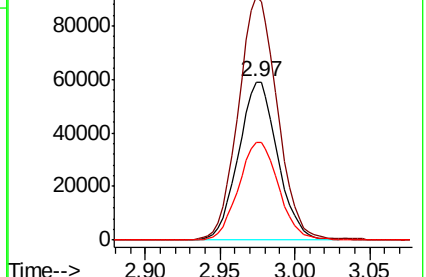
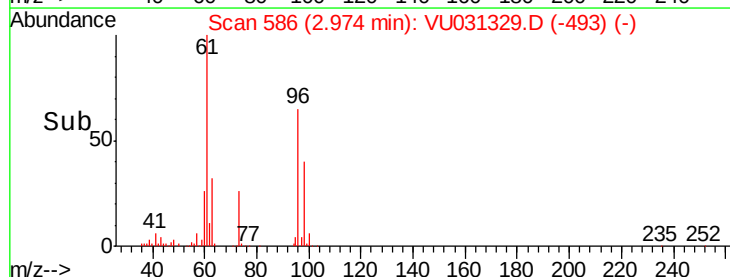
98 61.5 43.5 80.9

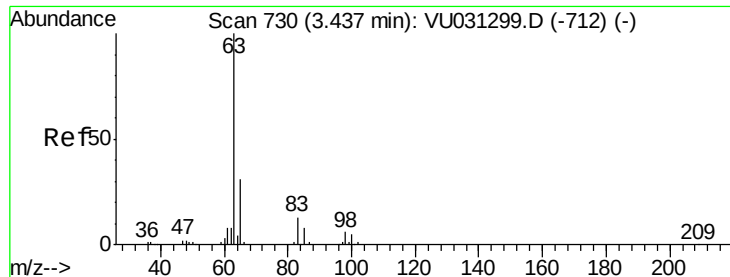


Abundance Ion 96.00 (95.70 to 96.70): VU031329.D (-572) (-)

Ion 61.05 (60.75 to 61.75): VU031329.D (-572) (-)

Ion 97.95 (97.65 to 98.65): VU031329.D (-572) (-)

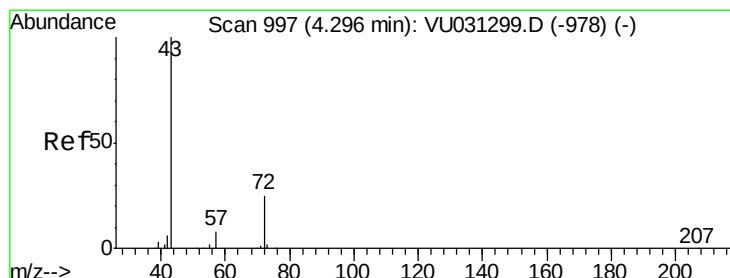
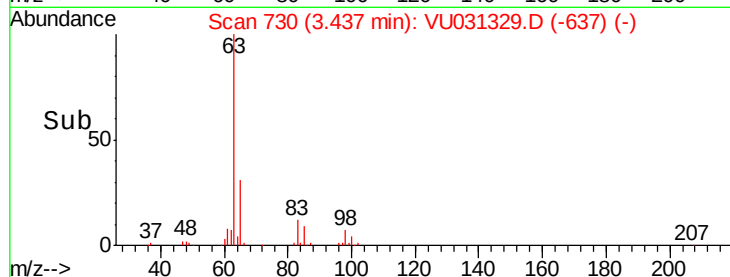
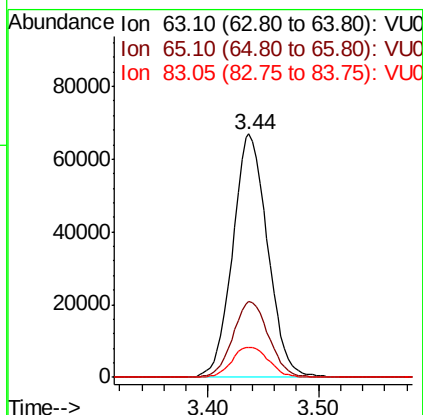
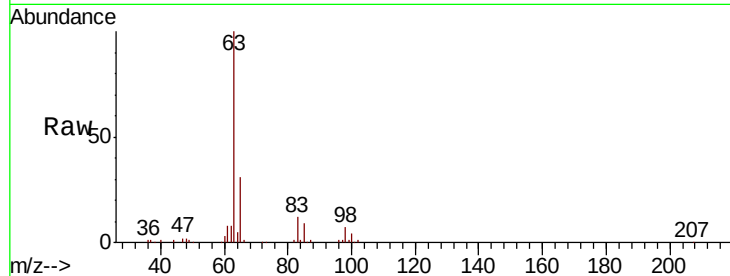




#19
 1,1-Dichloroethane
 Concen: 4.833 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU031329.D
 Acq: 19 Apr 2019 00:13

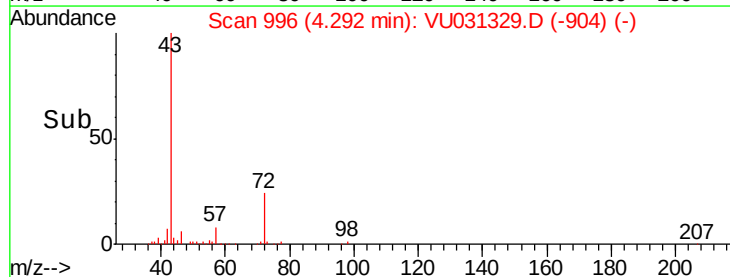
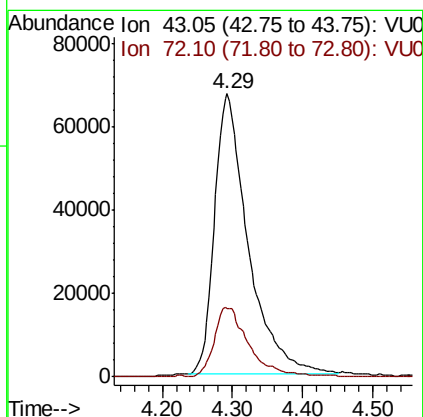
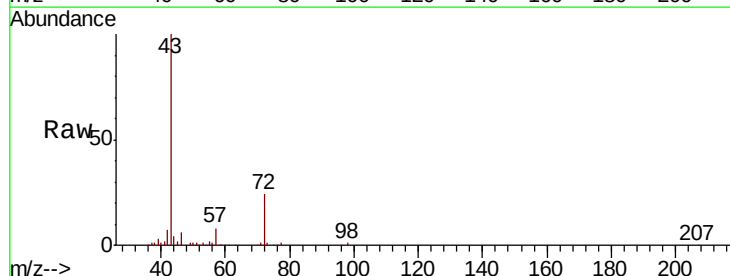
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

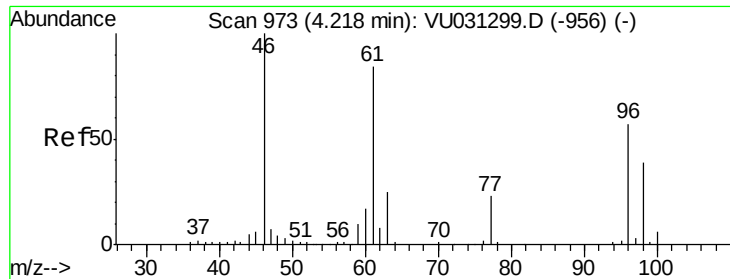
Tgt Ion: 63 Resp: 146695
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.0 41.0
 83 12.3 9.2 17.2



#21
 2-Butanone
 Concen: 47.338 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VU031329.D
 Acq: 19 Apr 2019 00:13

Tgt Ion: 43 Resp: 224080
 Ion Ratio Lower Upper
 43 100
 72 24.9 11.8 35.4



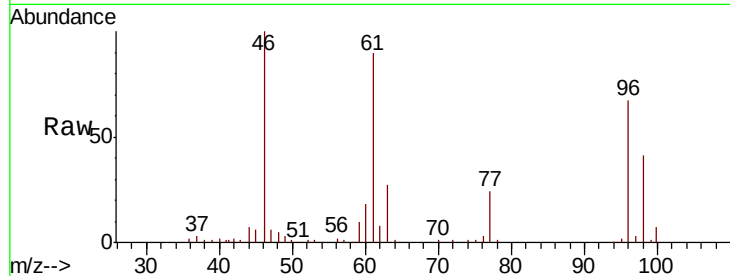


#22

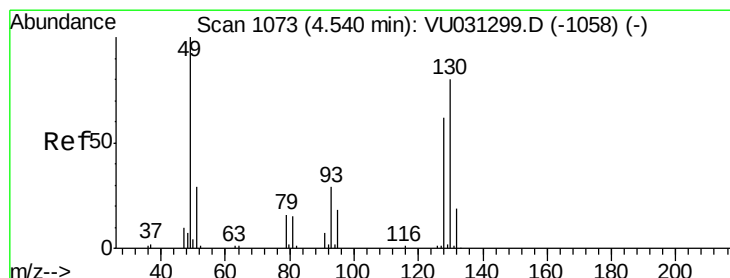
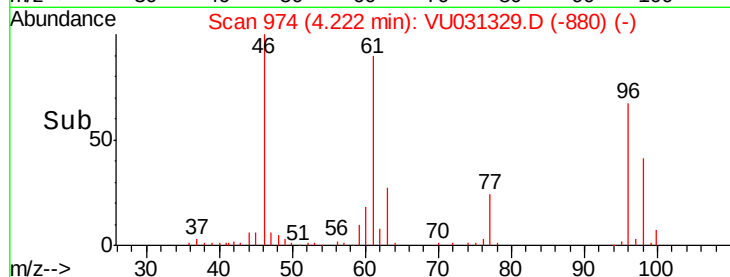
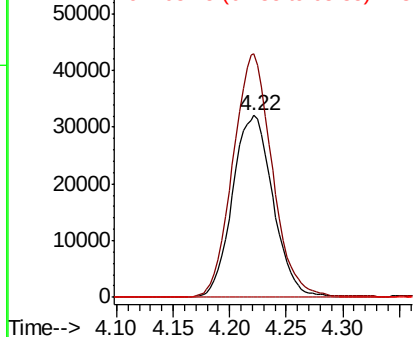
cis-1,2-Dichloroethene
Concen: 4.743 ug/L
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU031329.D
Acq: 19 Apr 2019 00:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD00543

Tgt Ion: 96 Resp: 79763
Ion Ratio Lower Upper
96 100
61 133.9 103.5 192.1
68 0.0 0.0 0.0



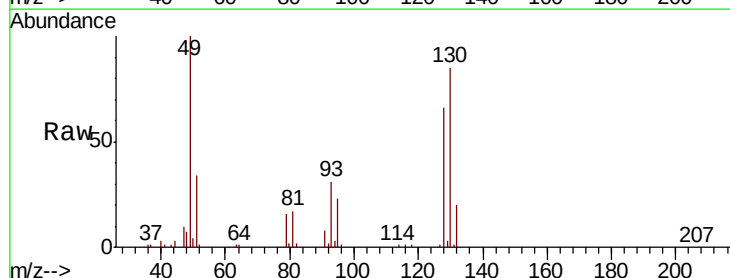
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



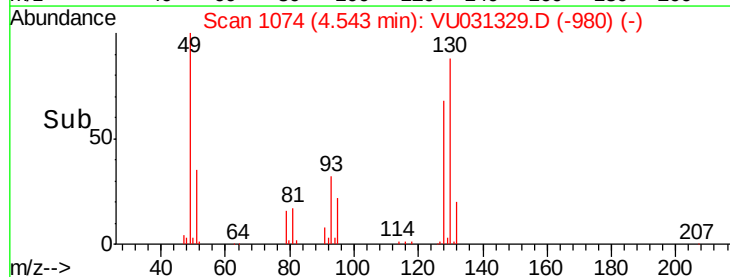
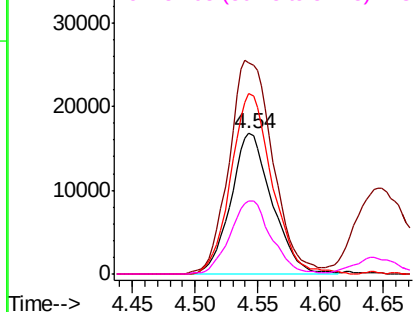
#23

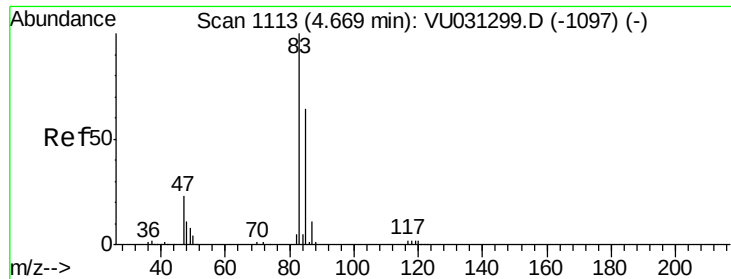
Bromochloromethane
Concen: 5.110 ug/L
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VU031329.D
Acq: 19 Apr 2019 00:13

Tgt Ion: 128 Resp: 38298
Ion Ratio Lower Upper
128 100
49 150.6 113.2 210.2
130 128.5 90.1 167.3
51 51.8 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

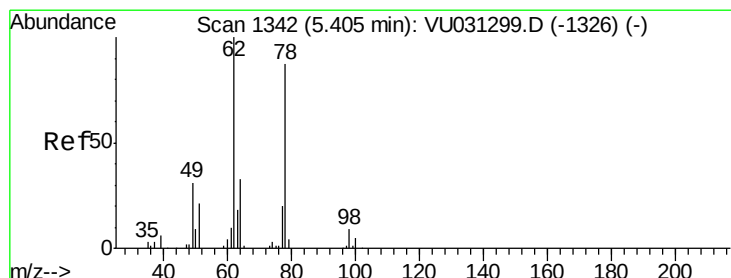
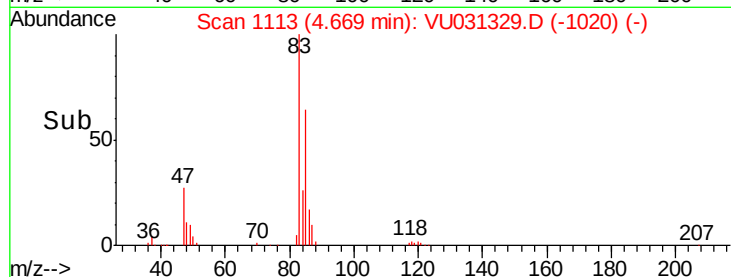
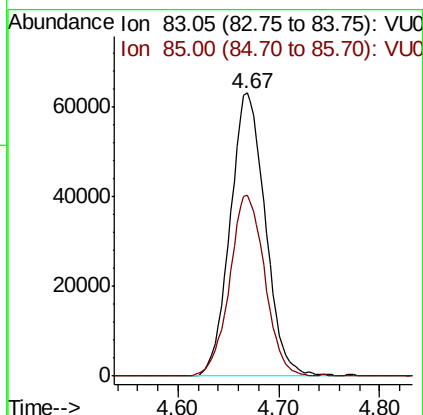
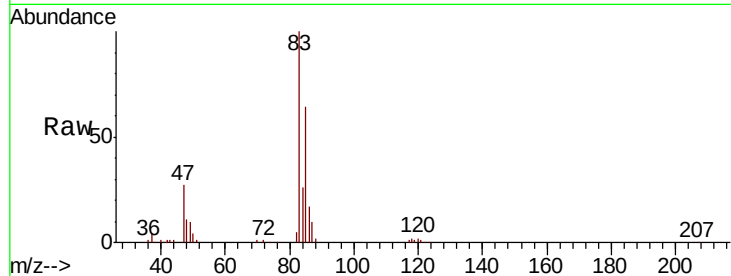




#25
Chloroform
Concen: 5.091 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031329.D
Acq: 19 Apr 2019 00:13

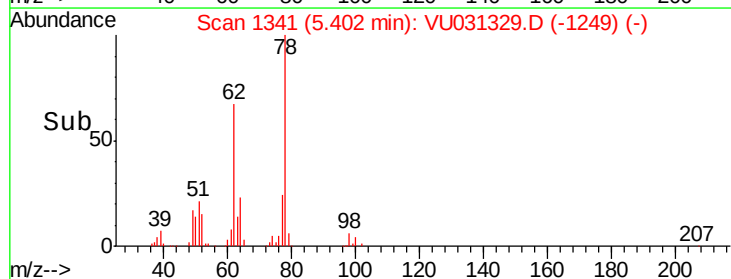
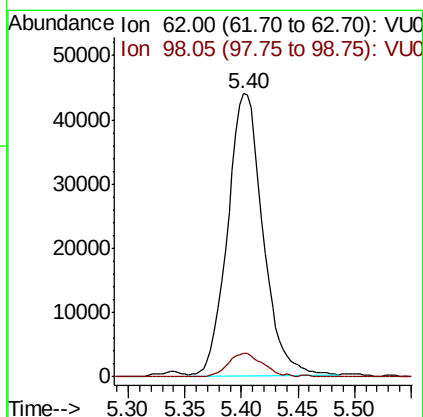
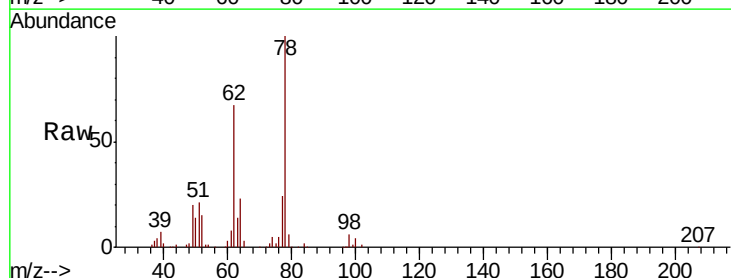
Instrument :
MSVOA_U
ClientSampleId :
VSTD00543

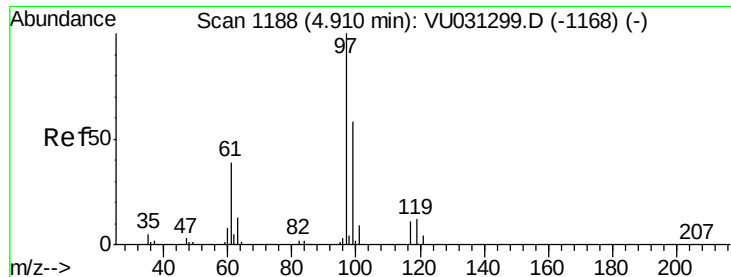
Tgt Ion: 83 Resp: 152224
Ion Ratio Lower Upper
83 100
85 64.1 45.4 84.4



#27
1,2-Dichloroethane
Concen: 4.941 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VU031329.D
Acq: 19 Apr 2019 00:13

Tgt Ion: 62 Resp: 95262
Ion Ratio Lower Upper
62 100
98 8.3 7.4 11.0

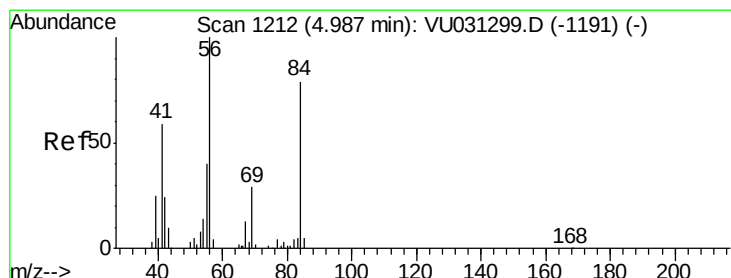
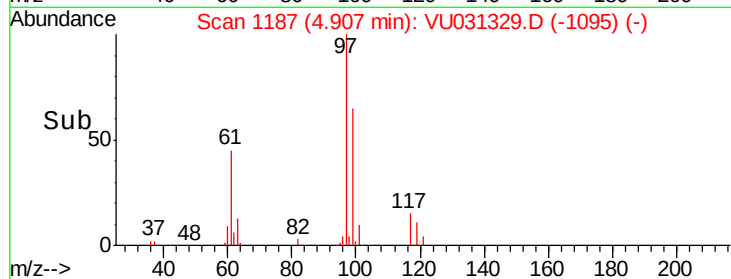
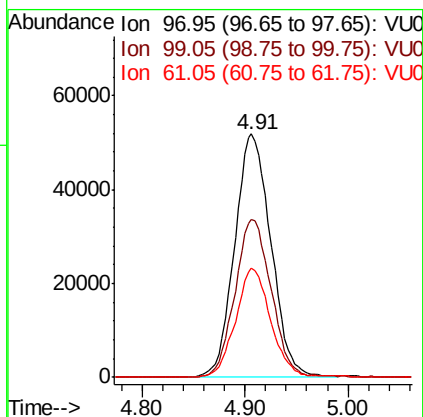
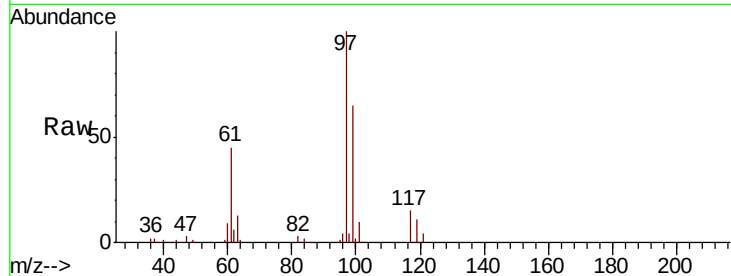




#29
 1,1,1-Trichloroethane
 Concen: 4.921 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VU031329.D
 Acq: 19 Apr 2019 00:13

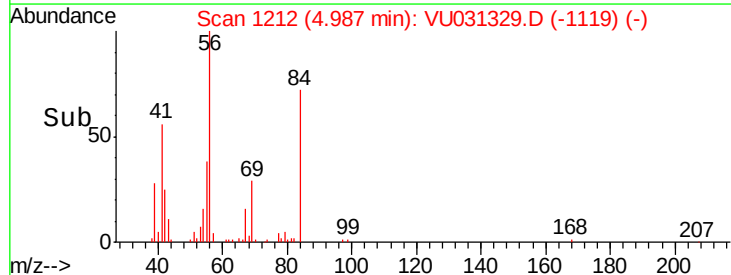
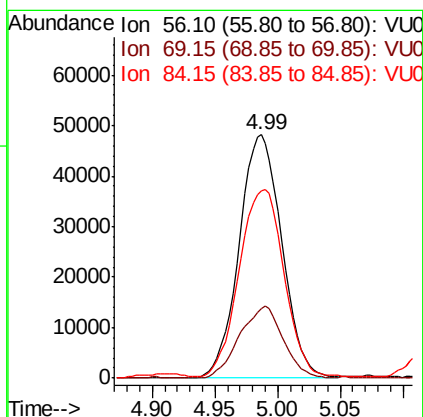
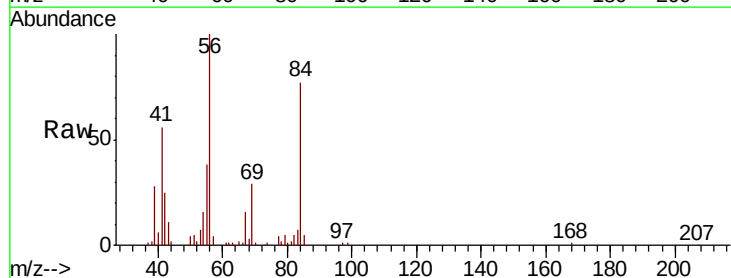
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

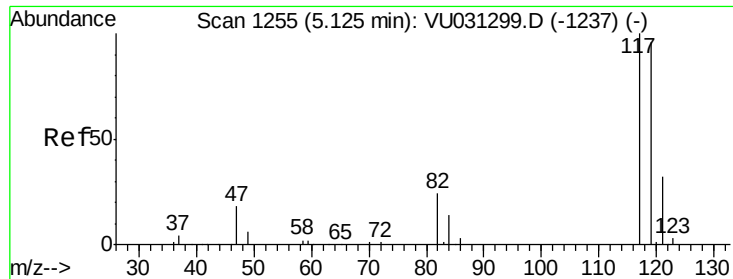
Tgt Ion: 97 Resp: 127040
 Ion Ratio Lower Upper
 97 100
 99 64.9 50.6 76.0
 61 42.7 33.9 50.9



#30
 Cyclohexane
 Concen: 4.323 ug/L
 RT: 4.99 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: VU031329.D
 Acq: 19 Apr 2019 00:13

Tgt Ion: 56 Resp: 113698
 Ion Ratio Lower Upper
 56 100
 69 30.3 23.3 34.9
 84 81.4 62.6 94.0





#31

Carbon tetrachloride

Concen: 4.935 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU031329.D

Acq: 19 Apr 2019 00:13

Instrument :

MSVOA_U

ClientSampleId :

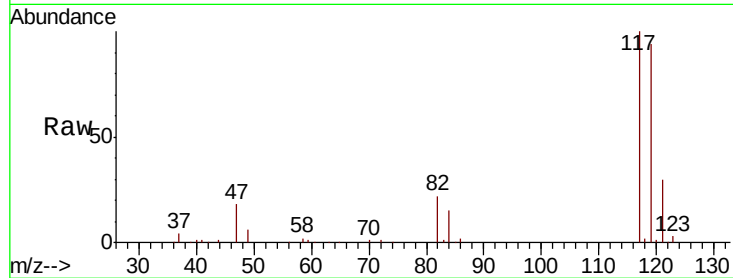
VSTD00543

Tgt Ion:117 Resp: 113773

Ion Ratio Lower Upper

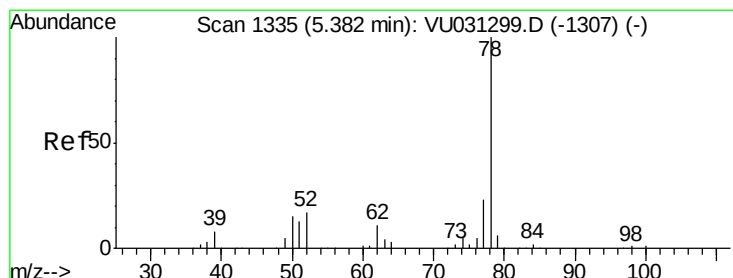
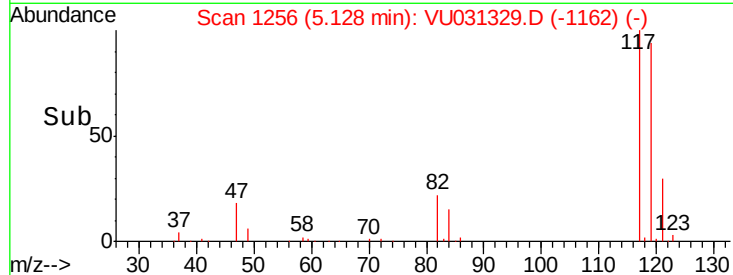
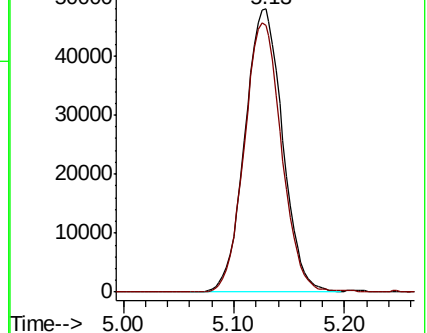
117 100

119 93.5 79.6 119.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.804 ug/L

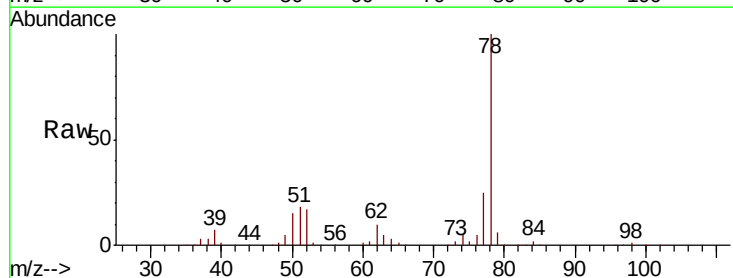
RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

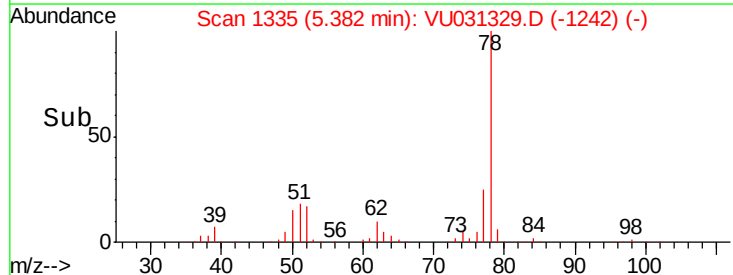
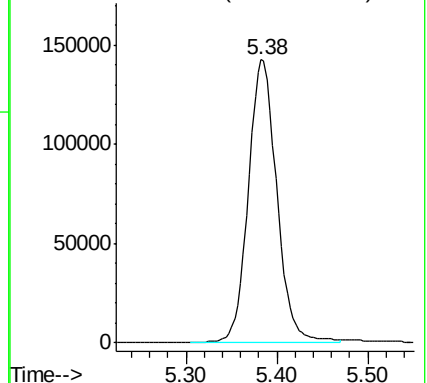
Lab File: VU031329.D

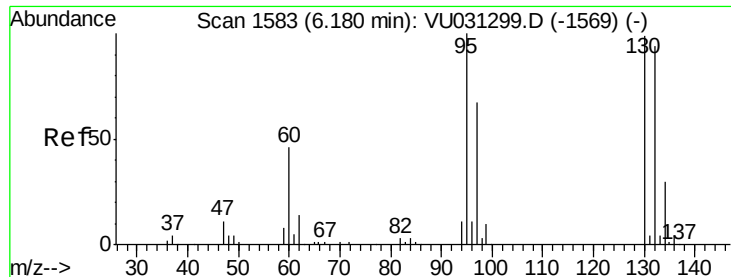
Acq: 19 Apr 2019 00:13

Tgt Ion: 78 Resp: 311761



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.445 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031329.D

Acq: 19 Apr 2019 00:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00543

Tgt Ion: 95 Resp: 77963

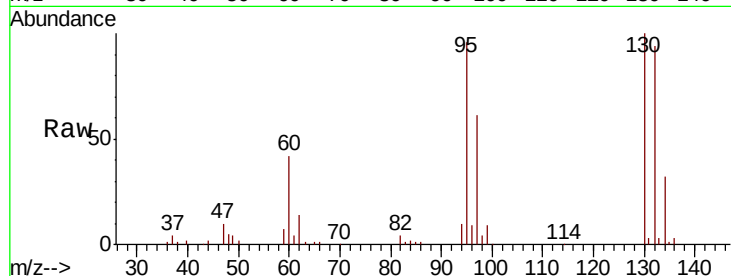
Ion Ratio Lower Upper

95 100

97 63.9 46.8 86.8

132 97.7 65.8 122.2

130 104.2 69.5 129.1

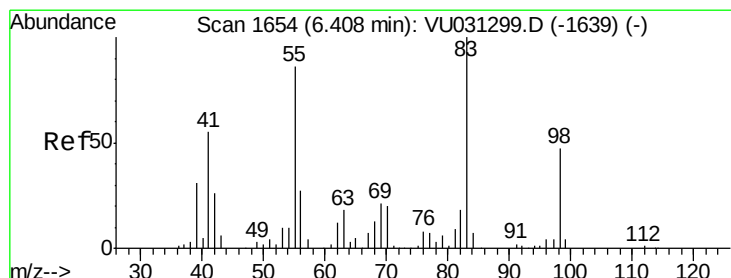
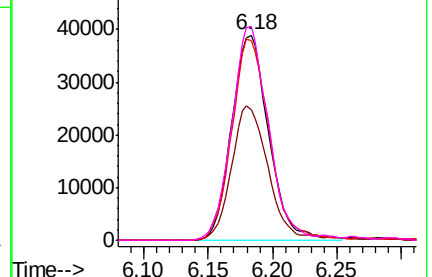
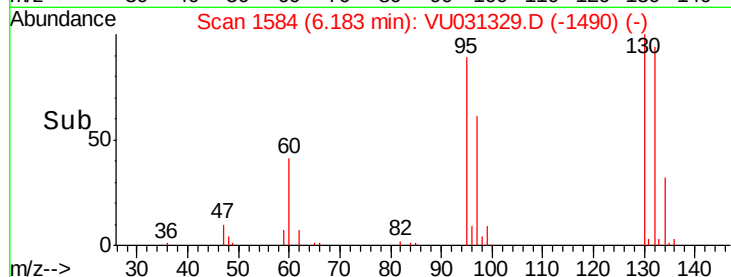


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.186 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU031329.D

Acq: 19 Apr 2019 00:13

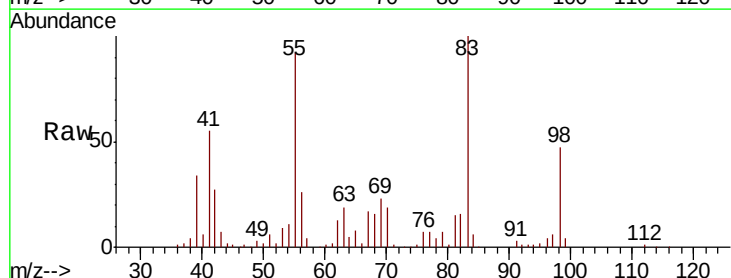
Tgt Ion: 83 Resp: 101120

Ion Ratio Lower Upper

83 100

55 90.5 70.6 105.8

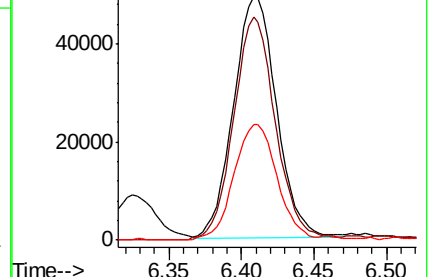
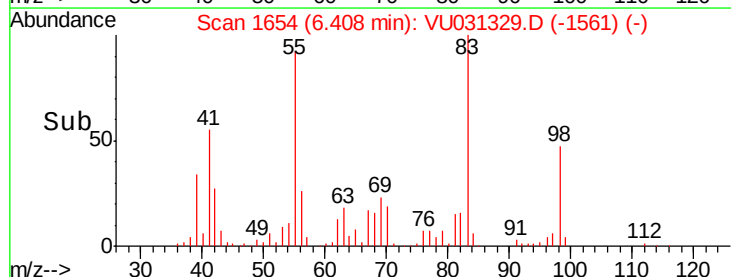
98 48.3 37.0 55.4

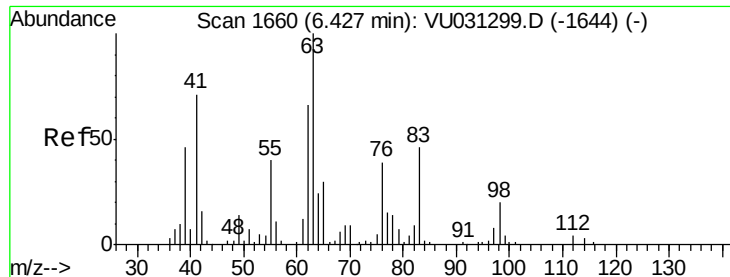


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.745 ug/L

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU031329.D

Acq: 19 Apr 2019 00:13

Instrument :

MSVOA_U

ClientSampleId :

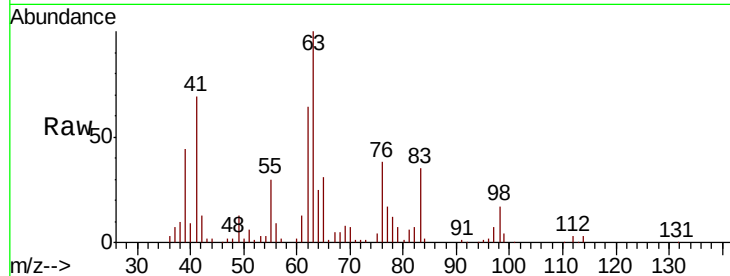
VSTD00543

Tgt Ion: 63 Resp: 81166

Ion Ratio Lower Upper

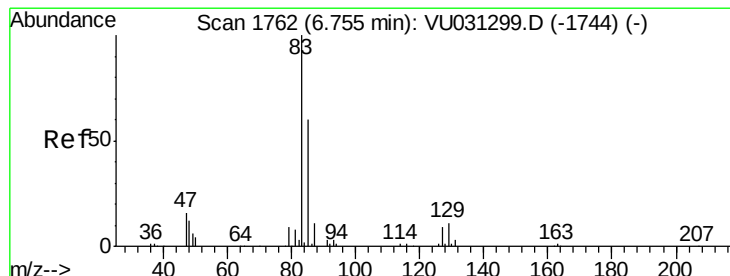
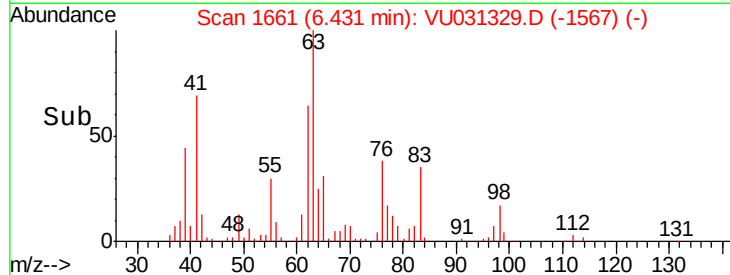
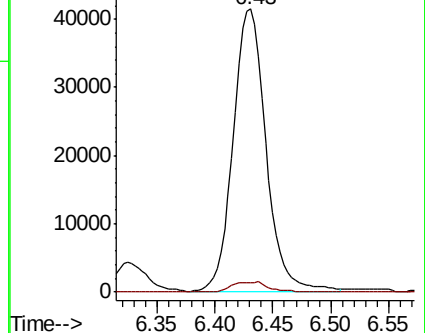
63 100

112 4.0 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VU031329.D (-1644) (-)

Ion 112.10 (111.80 to 112.80): VU031329.D (-1644) (-)



#38

Bromodichloromethane

Concen: 4.883 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU031329.D

Acq: 19 Apr 2019 00:13

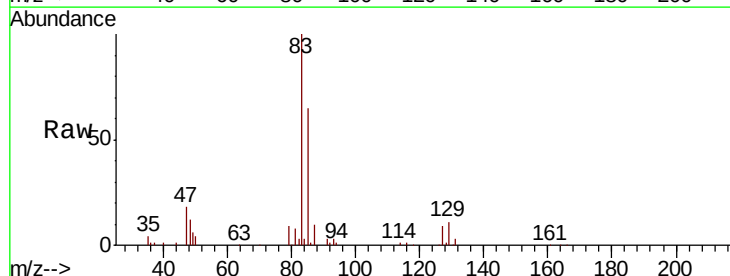
Tgt Ion: 83 Resp: 104235

Ion Ratio Lower Upper

83 100

85 64.7 41.9 77.7

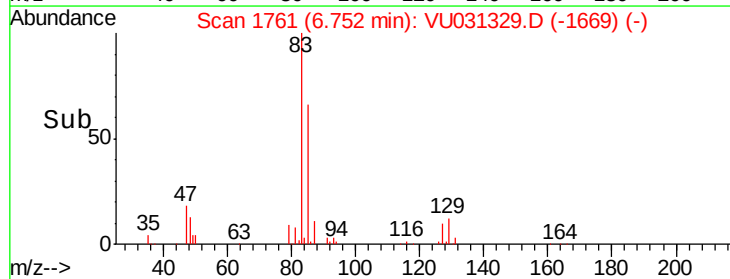
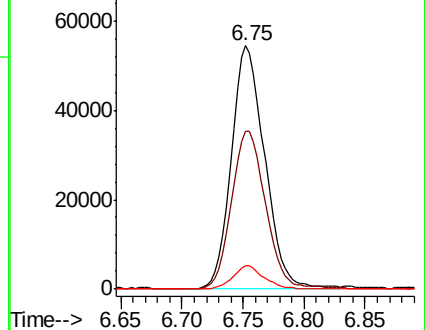
127 9.4 7.1 10.7

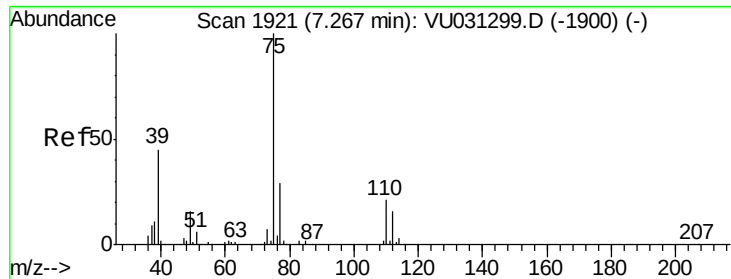


Abundance Ion 82.95 (82.65 to 83.65): VU031329.D (-1744) (-)

Ion 85.00 (84.70 to 85.70): VU031329.D (-1744) (-)

Ion 126.90 (126.60 to 127.60): VU031329.D (-1744) (-)

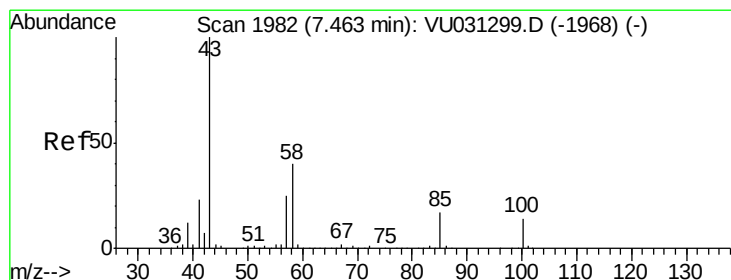
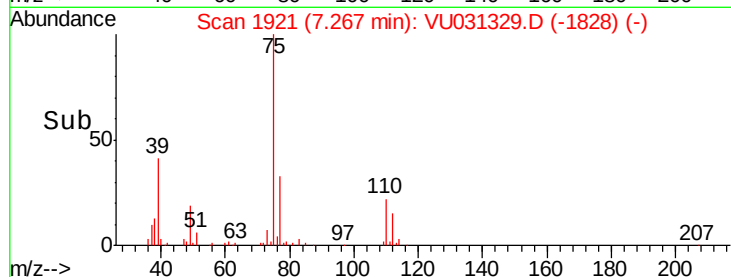
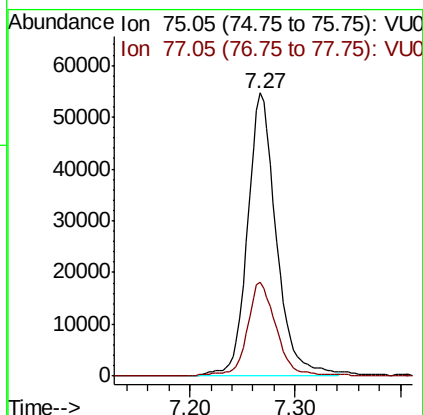
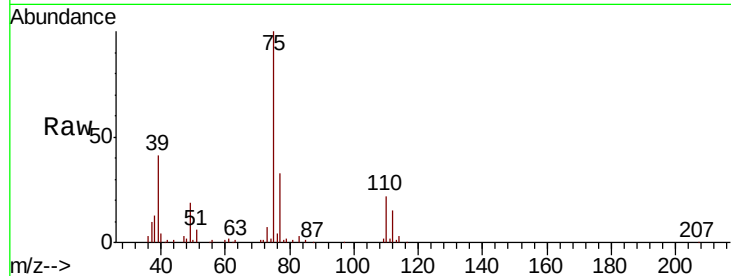




#39
 cis-1,3-Dichloropropene
 Concen: 4.563 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU031329.D
 Acq: 19 Apr 2019 00:13

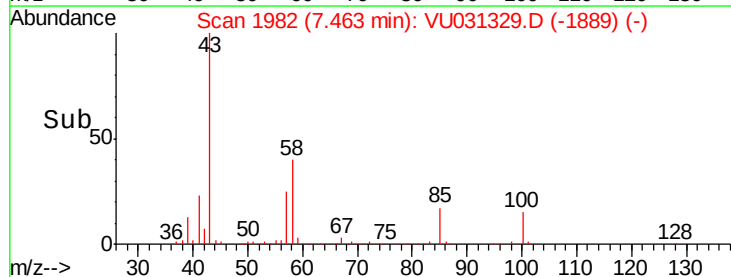
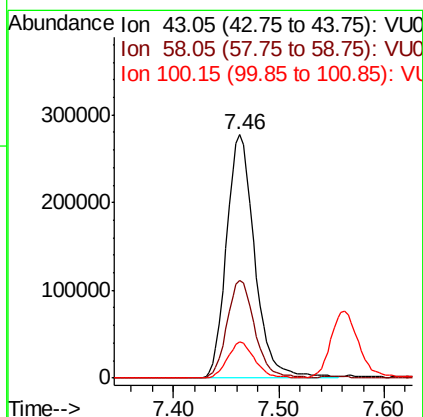
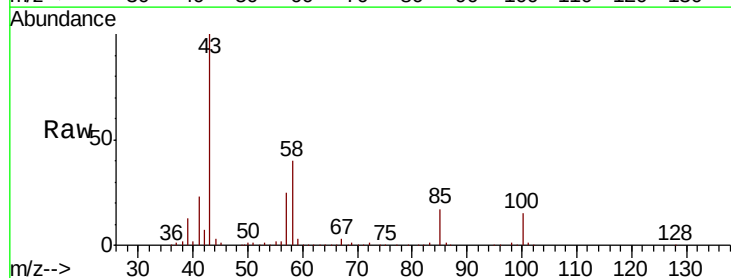
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

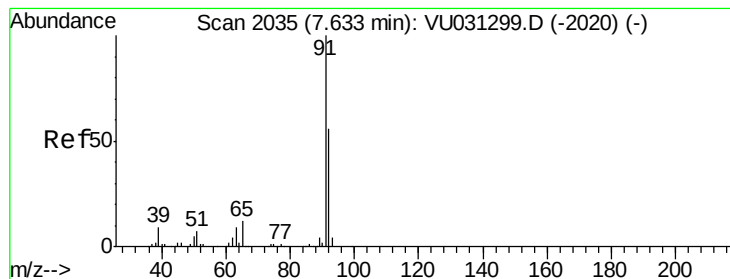
Tgt Ion: 75 Resp: 104195
 Ion Ratio Lower Upper
 75 100
 77 33.0 20.2 37.4



#40
 4-Methyl-2-pentanone
 Concen: 46.670 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU031329.D
 Acq: 19 Apr 2019 00:13

Tgt Ion: 43 Resp: 512683
 Ion Ratio Lower Upper
 43 100
 58 39.6 30.7 46.1
 100 14.4 11.1 16.7





#42

Toluene

Concen: 4.962 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031329.D

Acq: 19 Apr 2019 00:13

Instrument :

MSVOA_U

ClientSampleId :

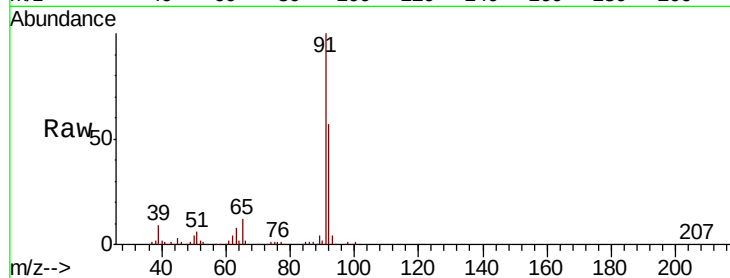
VSTD00543

Tgt Ion: 91 Resp: 324692

Ion Ratio Lower Upper

91 100

92 56.7 39.5 73.3



Abundance Ion 91.15 (90.85 to 91.85): VU031329.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU031329.D (-2020) (-)

7.63

200000

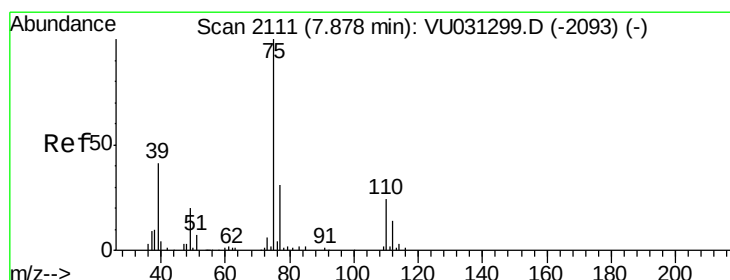
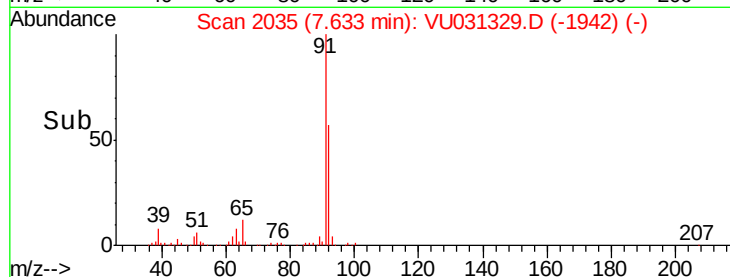
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.608 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU031329.D

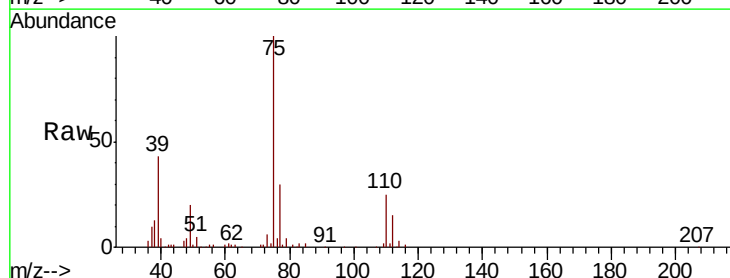
Acq: 19 Apr 2019 00:13

Tgt Ion: 75 Resp: 87002

Ion Ratio Lower Upper

75 100

77 30.1 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU031329.D (-2093) (-)

Ion 77.05 (76.75 to 77.75): VU031329.D (-2093) (-)

7.88

50000

40000

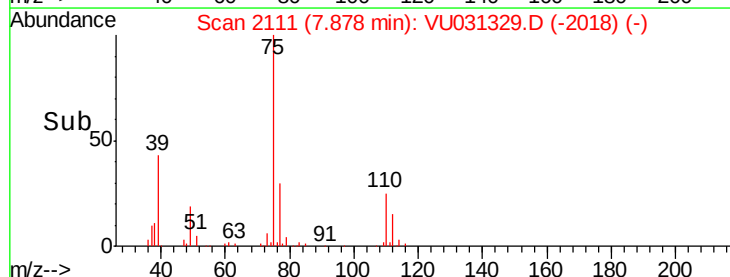
30000

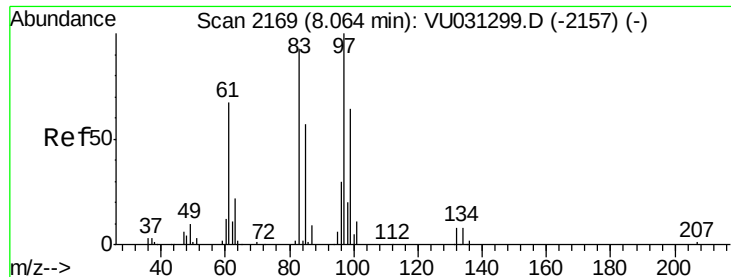
20000

10000

0

Time-->

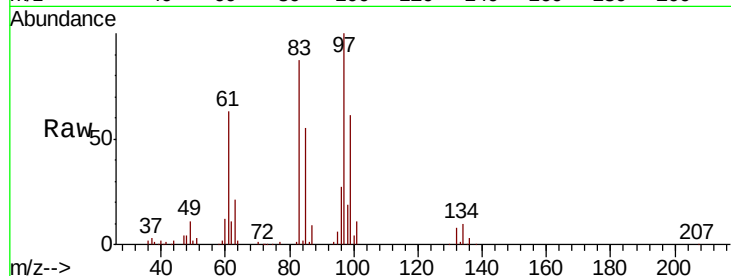




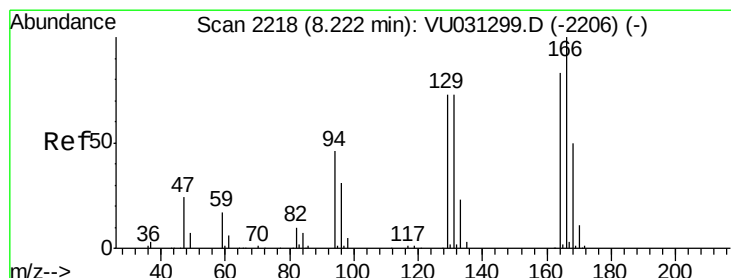
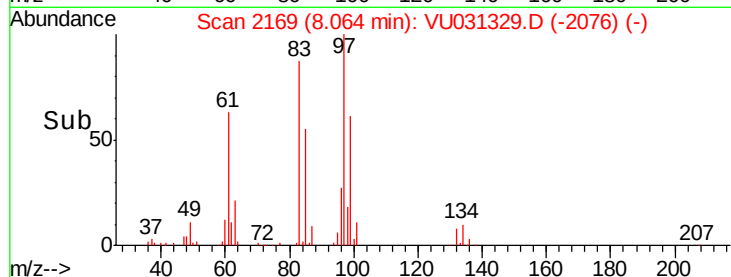
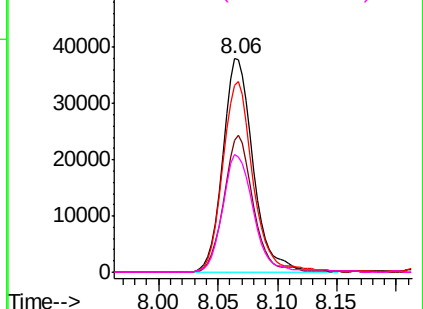
#45
 1,1,2-Trichloroethane
 Concen: 5.535 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU031329.D
 Acq: 19 Apr 2019 00:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

Tgt Ion:	97	Resp:	67468
Ion	Ratio	Lower	Upper
97	100		
99	61.5	44.8	83.2
83	87.4	64.9	120.5
85	55.0	40.1	74.5

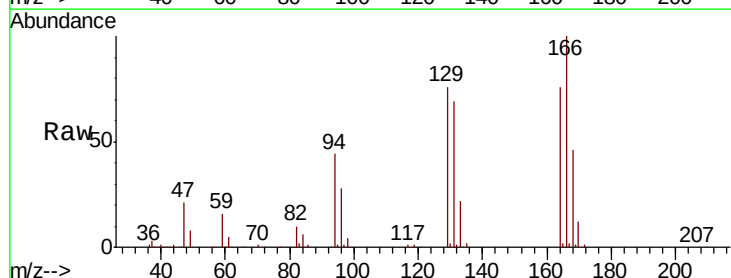


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

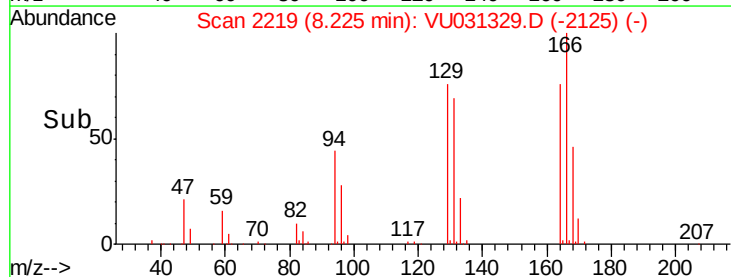
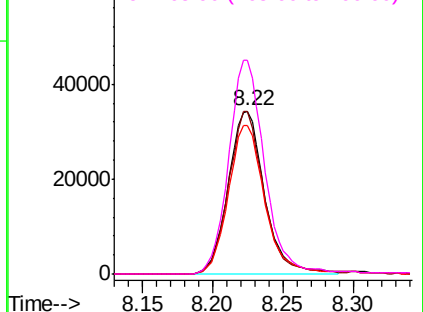


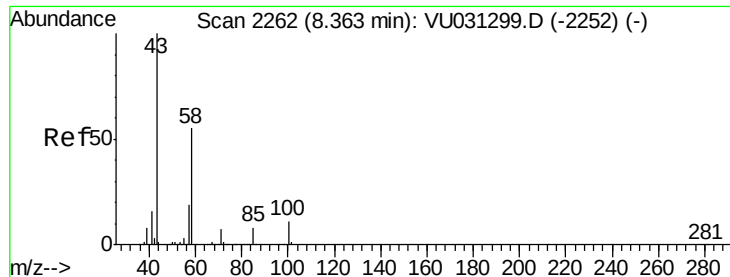
#47
 Tetrachloroethene
 Concen: 4.724 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU031329.D
 Acq: 19 Apr 2019 00:13

Tgt Ion:	164	Resp:	61747
Ion	Ratio	Lower	Upper
164	100		
129	99.8	61.9	114.9
131	90.8	61.5	114.3
166	131.0	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

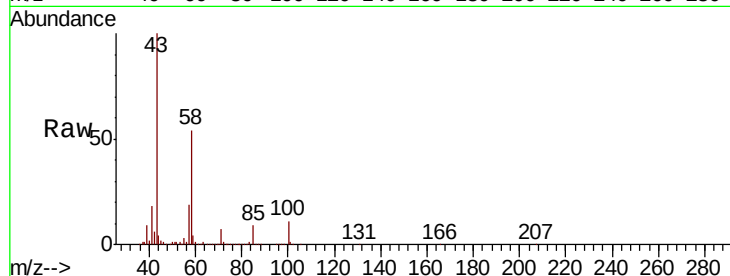




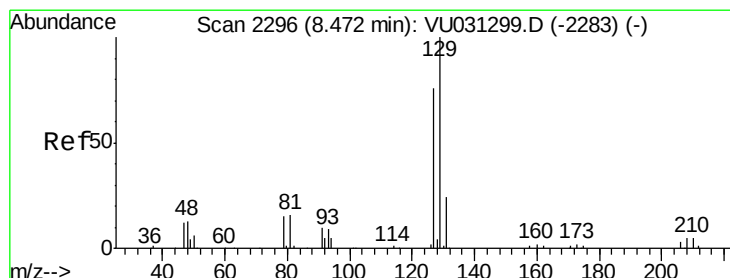
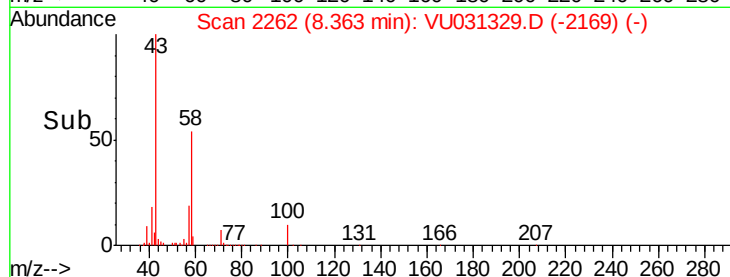
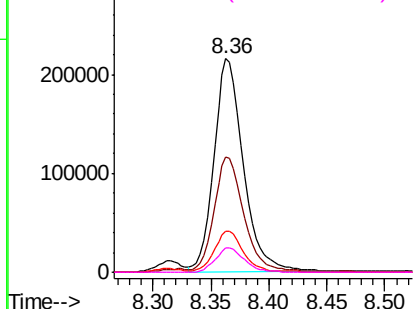
#48
2-Hexanone
Concen: 48.686 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU031329.D
Acq: 19 Apr 2019 00:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD00543

Tgt Ion: 43 Resp: 379586
Ion Ratio Lower Upper
43 100
58 54.4 45.0 67.6
57 18.8 15.5 23.3
100 11.1 8.7 13.1

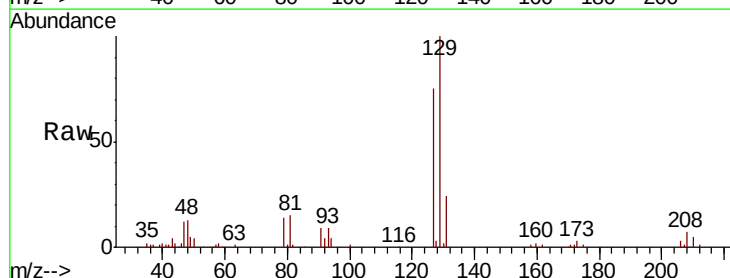


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

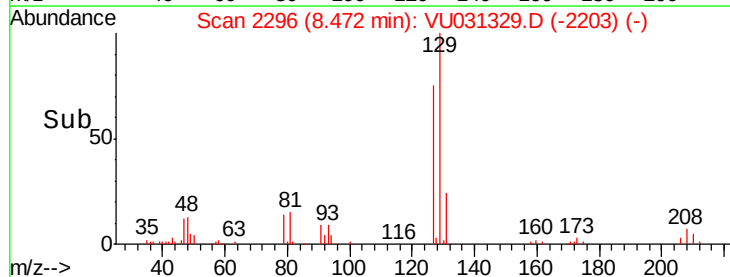
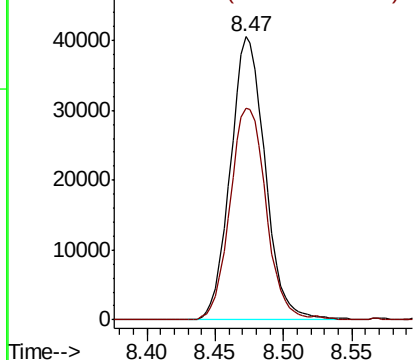


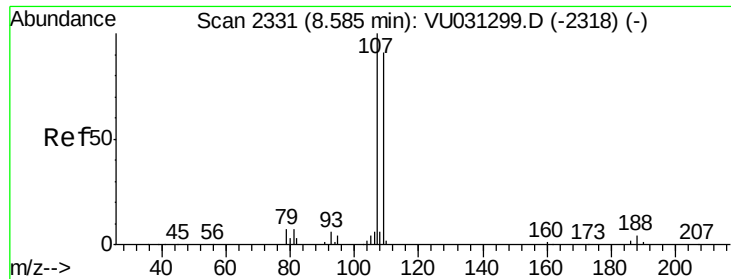
#49
Dibromochloromethane
Concen: 4.919 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031329.D
Acq: 19 Apr 2019 00:13

Tgt Ion: 129 Resp: 71734
Ion Ratio Lower Upper
129 100
127 74.7 53.3 99.1



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

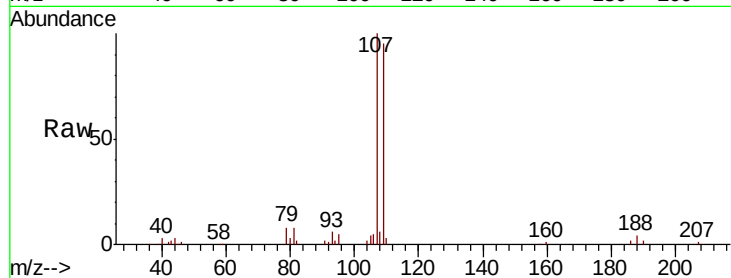




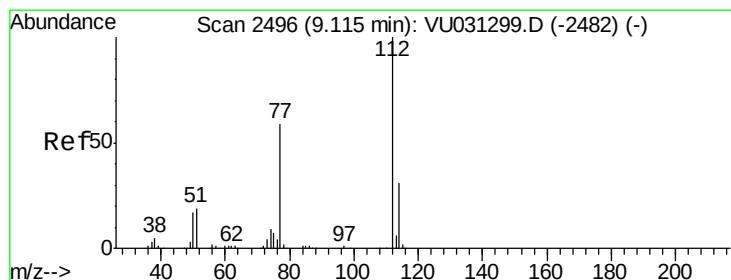
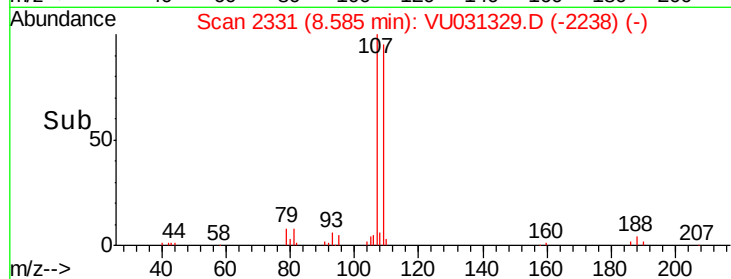
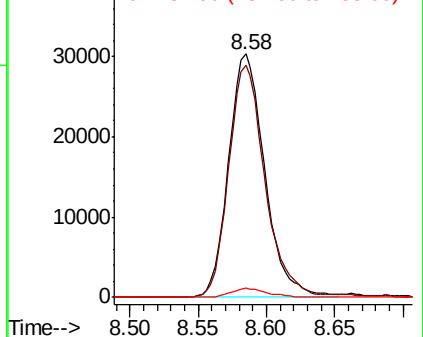
#50
1,2-Dibromoethane
Concen: 4.855 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU031329.D
Acq: 19 Apr 2019 00:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD00543

Tgt Ion:107 Resp: 56055
Ion Ratio Lower Upper
107 100
109 95.5 63.6 118.2
188 3.7 2.9 4.3

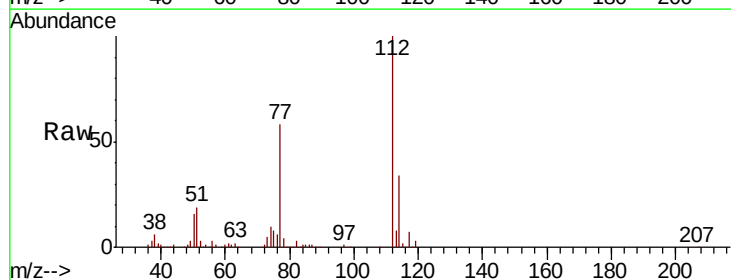


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

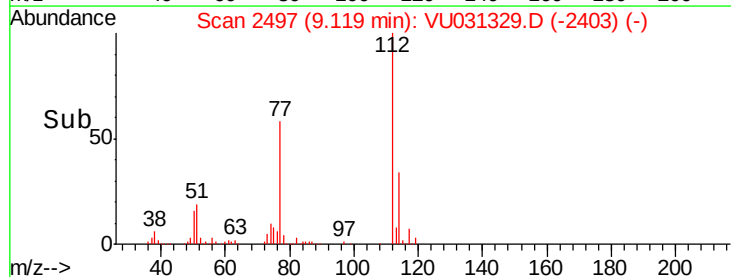
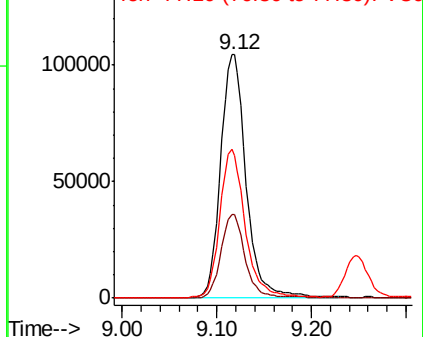


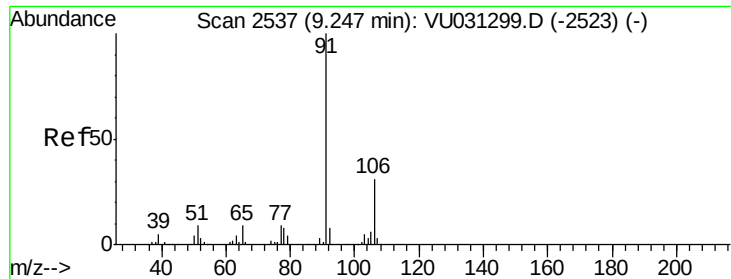
#51
Chlorobenzene
Concen: 4.783 ug/L
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU031329.D
Acq: 19 Apr 2019 00:13

Tgt Ion:112 Resp: 195953
Ion Ratio Lower Upper
112 100
114 34.2 21.6 40.2
77 58.4 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): V





#52

Ethylbenzene

Concen: 4.727 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031329.D

Acq: 19 Apr 2019 00:13

Instrument :

MSVOA_U

ClientSampleId :

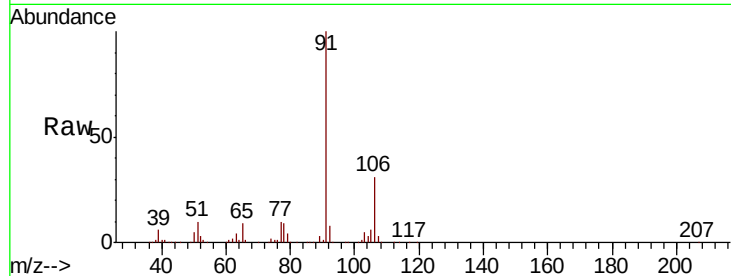
VSTD00543

Tgt Ion: 91 Resp: 319520

Ion Ratio Lower Upper

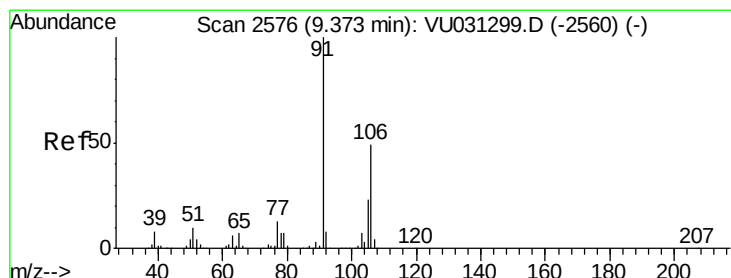
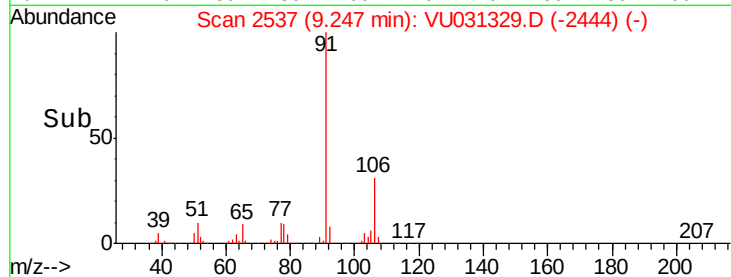
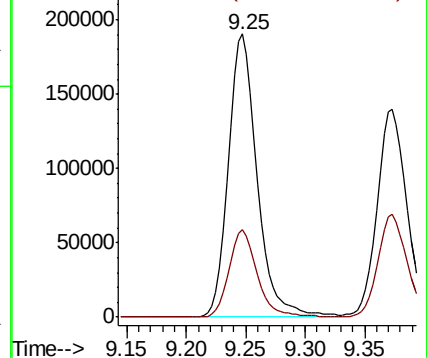
91 100

106 30.9 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-Xylene

Concen: 4.873 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031329.D

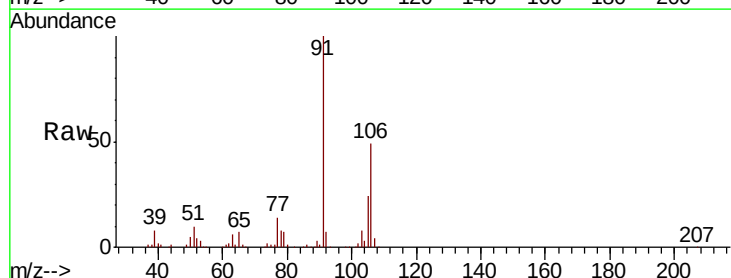
Acq: 19 Apr 2019 00:13

Tgt Ion: 106 Resp: 118312

Ion Ratio Lower Upper

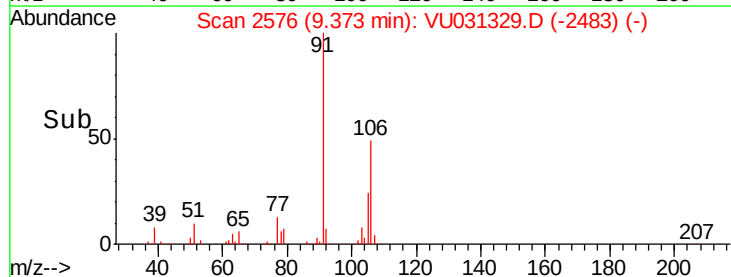
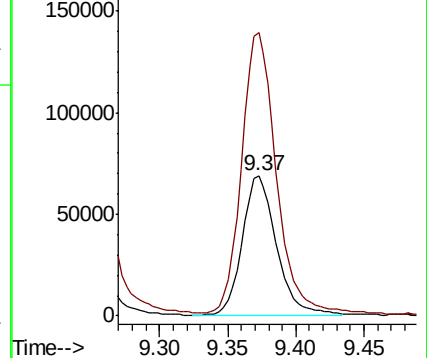
106 100

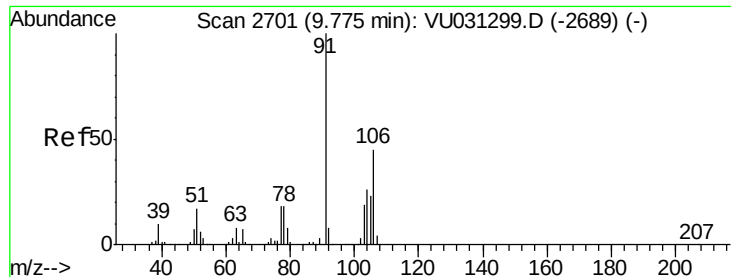
91 202.2 144.2 267.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

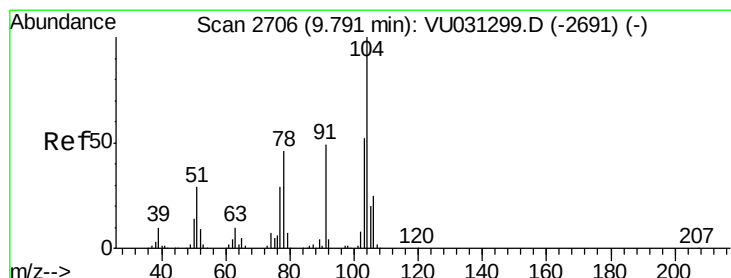
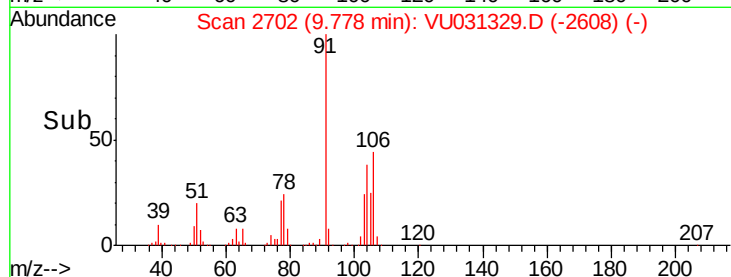
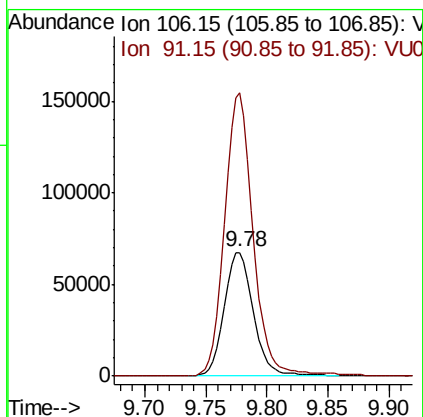
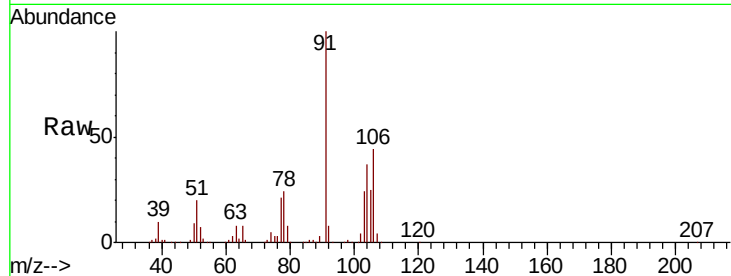




#54
o-Xylene
Concen: 4.749 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU031329.D
Acq: 19 Apr 2019 00:13

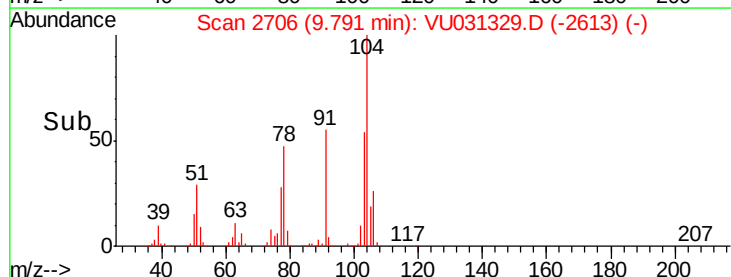
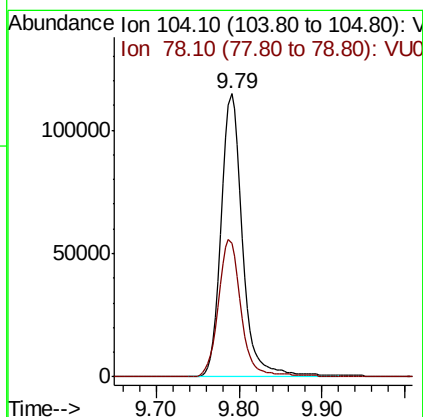
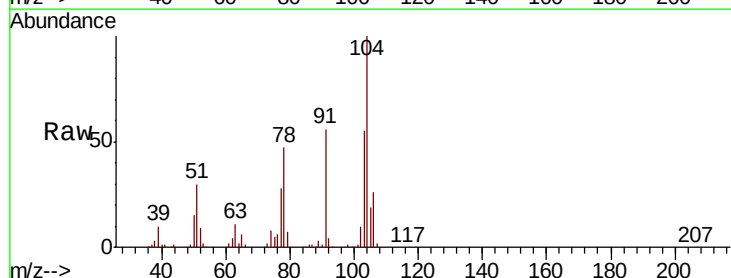
Instrument :
MSVOA_U
ClientSampleId :
VSTD00543

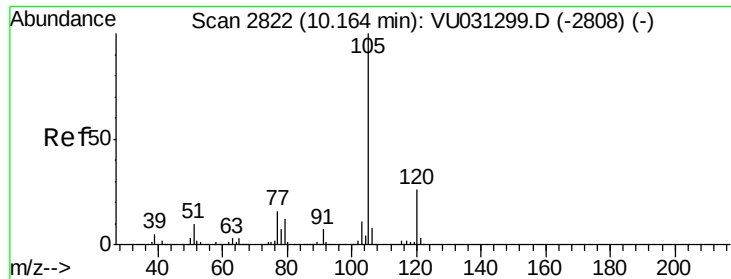
Tgt Ion:106 Resp: 113641
Ion Ratio Lower Upper
106 100
91 228.4 156.2 290.0



#55
Styrene
Concen: 5.156 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU031329.D
Acq: 19 Apr 2019 00:13

Tgt Ion:104 Resp: 204944
Ion Ratio Lower Upper
104 100
78 47.3 32.0 59.4





#56

Isopropylbenzene

Concen: 4.775 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031329.D

Acq: 19 Apr 2019 00:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00543

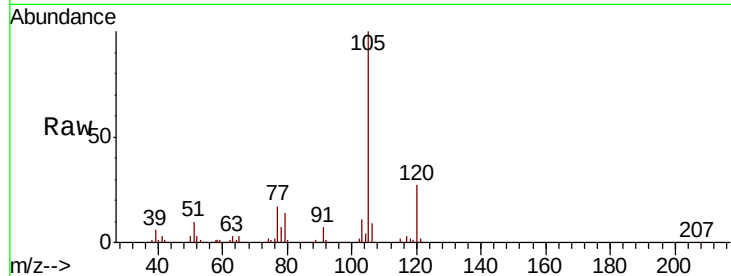
Tgt Ion: 105 Resp: 299940

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.4

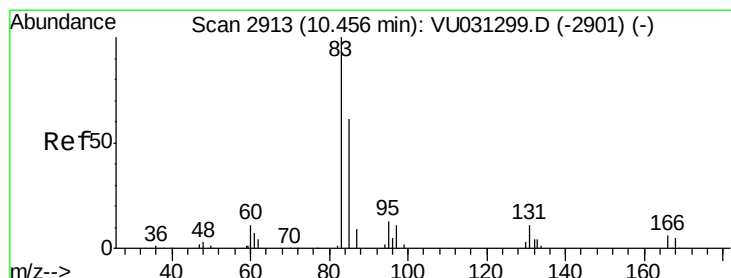
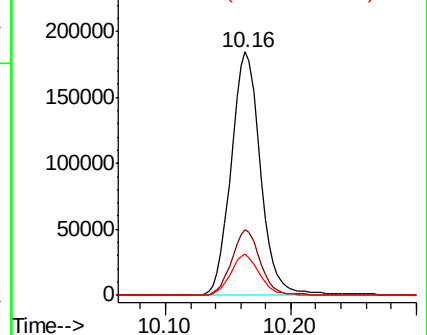
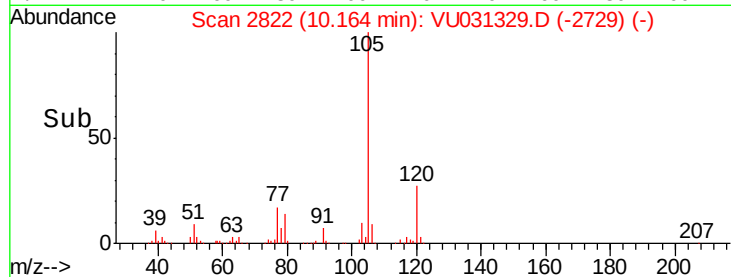
77 16.8 12.9 19.3



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.761 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU031329.D

Acq: 19 Apr 2019 00:13

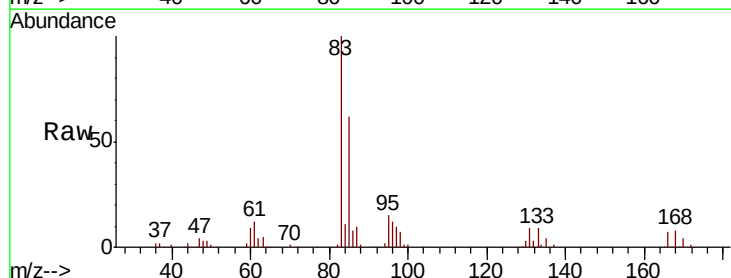
Tgt Ion: 83 Resp: 74190

Ion Ratio Lower Upper

83 100

85 61.9 43.1 80.1

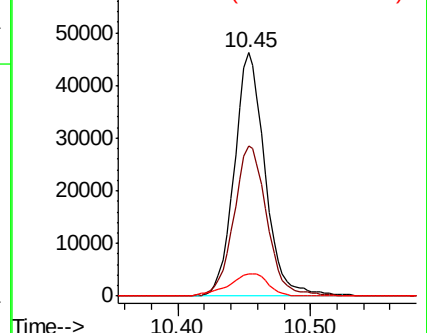
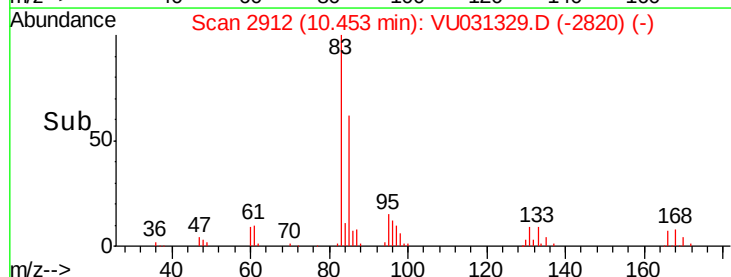
131 9.1 9.4 14.2#

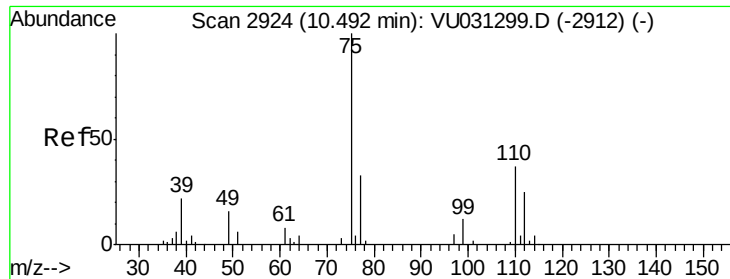


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

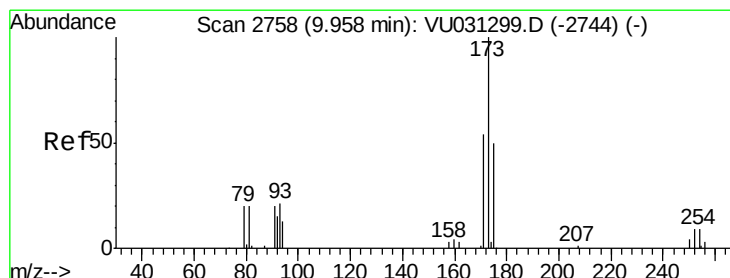
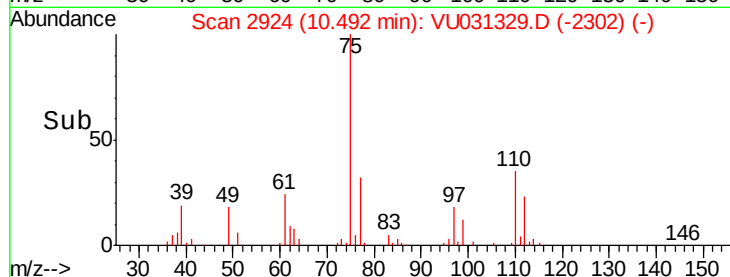
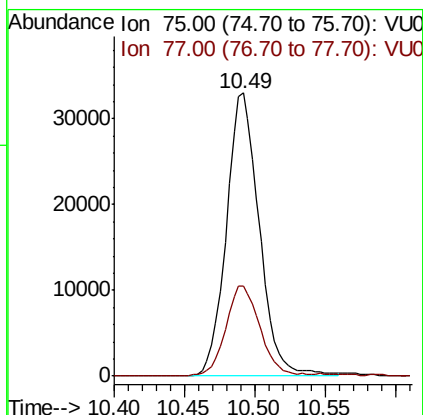
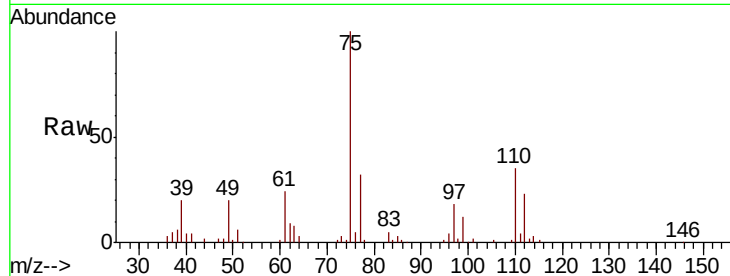




#59
 1,2,3-Trichloropropane
 Concen: 4.826 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU031329.D
 Acq: 19 Apr 2019 00:13

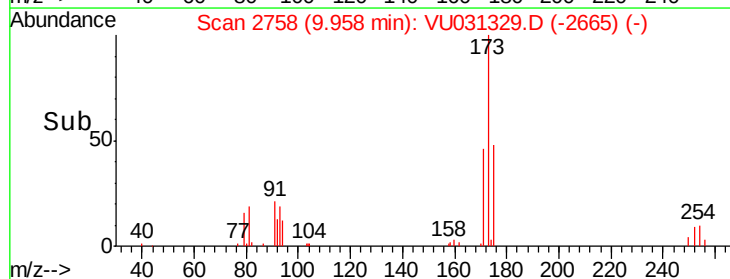
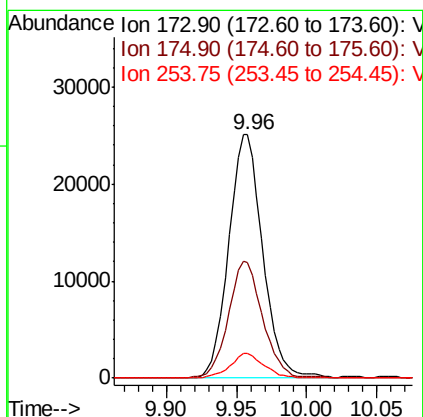
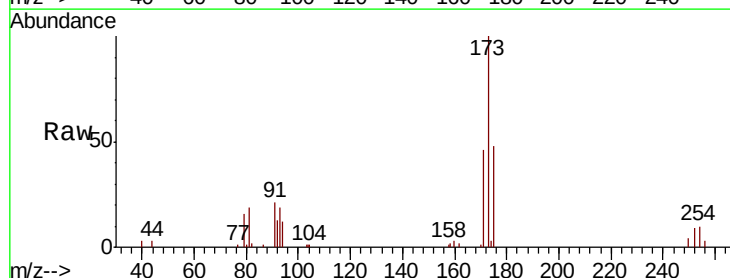
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

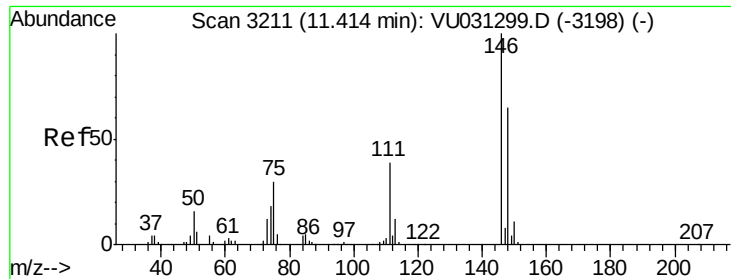
Tgt Ion: 75 Resp: 53880
 Ion Ratio Lower Upper
 75 100
 77 33.9 27.0 40.6



#61
 Bromoform
 Concen: 5.267 ug/L
 RT: 9.96 min Scan# 2758
 Delta R.T. 0.00 min
 Lab File: VU031329.D
 Acq: 19 Apr 2019 00:13

Tgt Ion: 173 Resp: 42251
 Ion Ratio Lower Upper
 173 100
 175 48.0 39.2 58.8
 254 9.9 7.0 10.6





#62

1,3-Dichlorobenzene

Concen: 4.971 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU031329.D

Acq: 19 Apr 2019 00:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00543

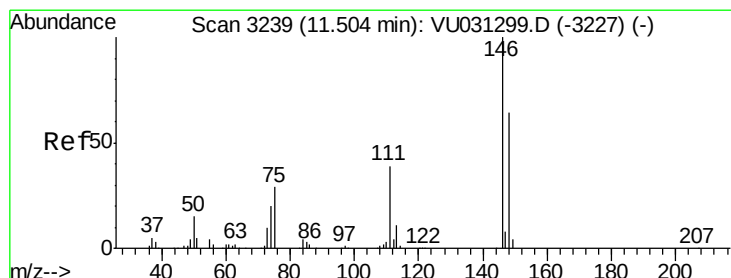
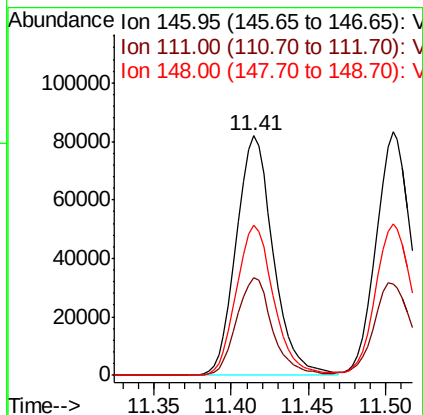
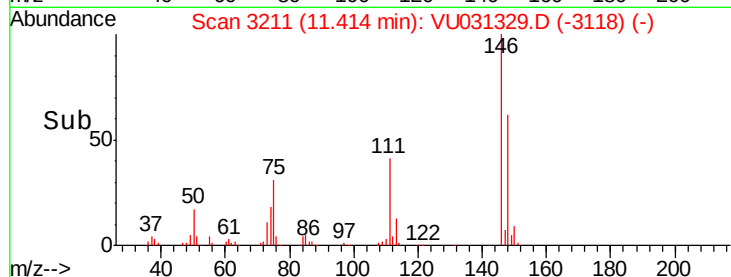
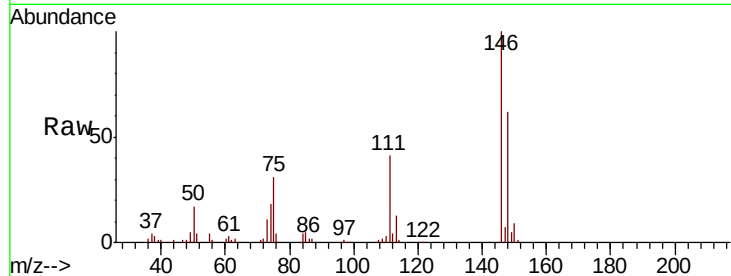
Tgt Ion:146 Resp: 136415

Ion Ratio Lower Upper

146 100

111 40.9 27.6 51.2

148 62.5 45.4 84.4



#63

1,4-Dichlorobenzene

Concen: 4.981 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU031329.D

Acq: 19 Apr 2019 00:13

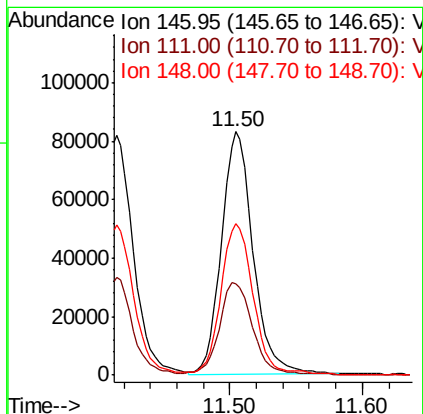
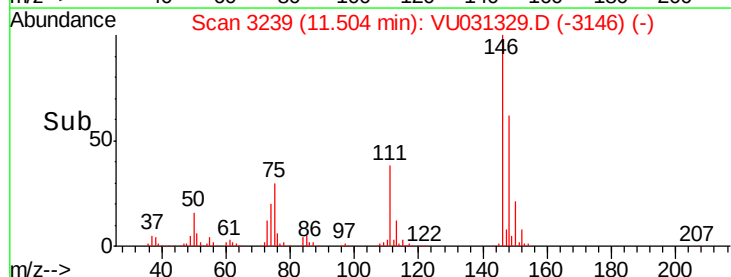
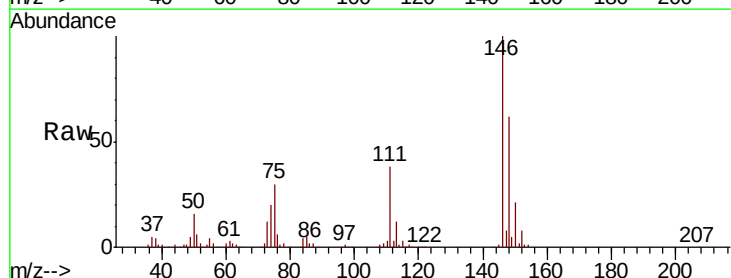
Tgt Ion:146 Resp: 137733

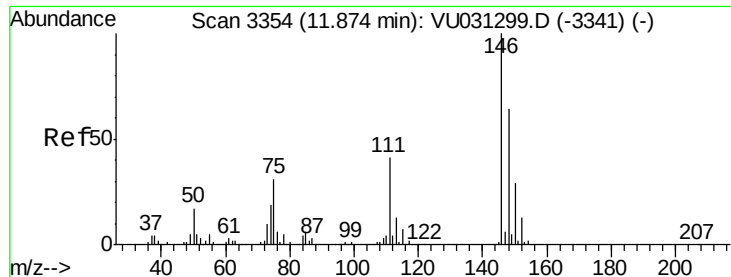
Ion Ratio Lower Upper

146 100

111 37.7 27.6 51.2

148 62.3 44.9 83.5





#65

1,2-Dichlorobenzene

Concen: 4.991 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU031329.D

Acq: 19 Apr 2019 00:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00543

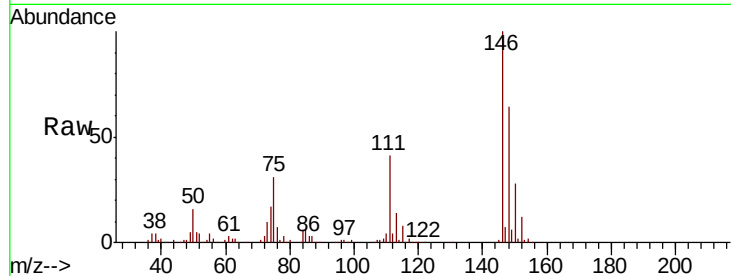
Tgt Ion:146 Resp: 139408

Ion Ratio Lower Upper

146 100

111 41.3 33.0 49.6

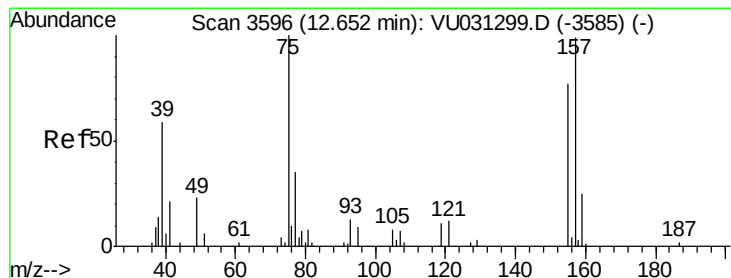
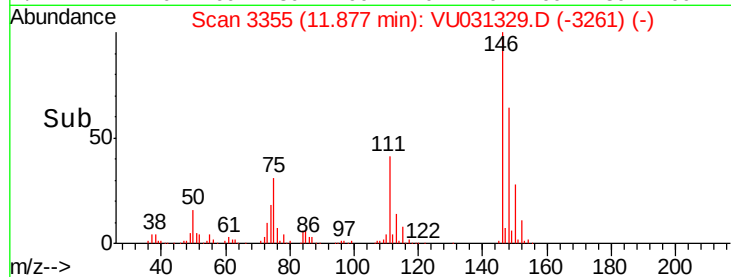
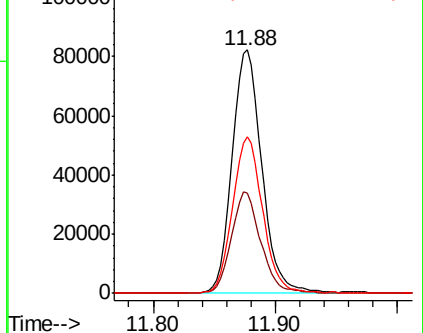
148 64.4 51.4 77.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.011 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU031329.D

Acq: 19 Apr 2019 00:13

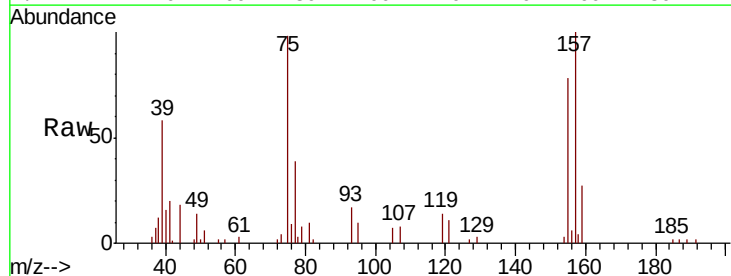
Tgt Ion: 75 Resp: 11393

Ion Ratio Lower Upper

75 100

155 79.4 61.8 92.6

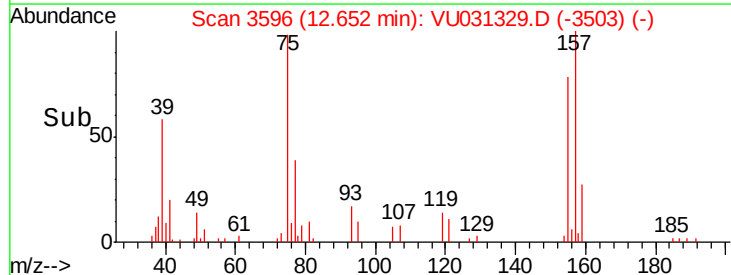
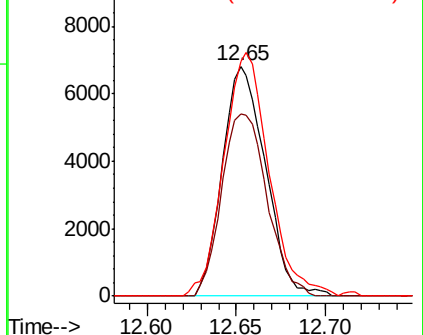
157 102.2 79.4 119.0

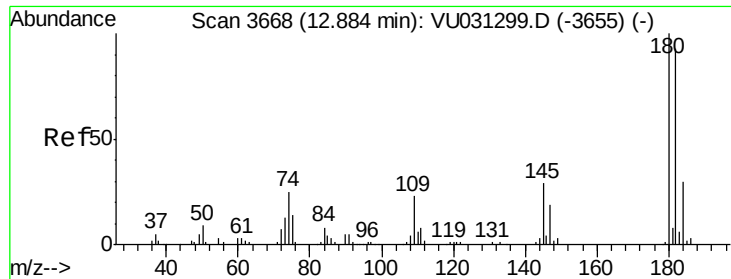


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

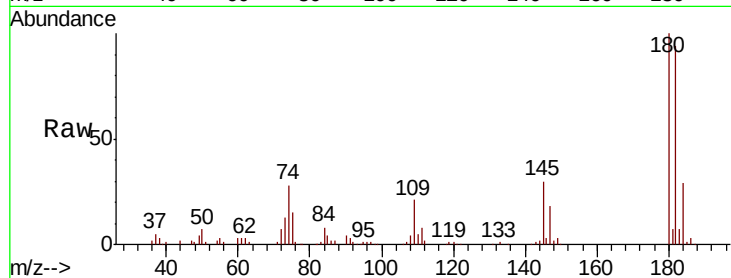




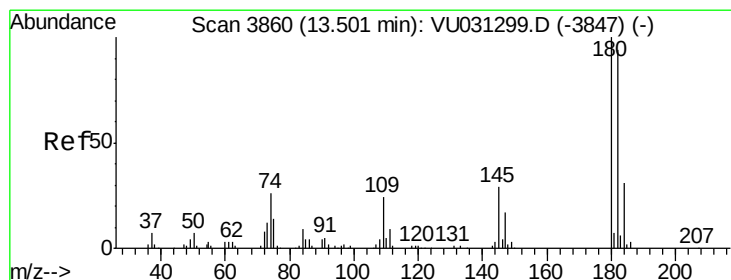
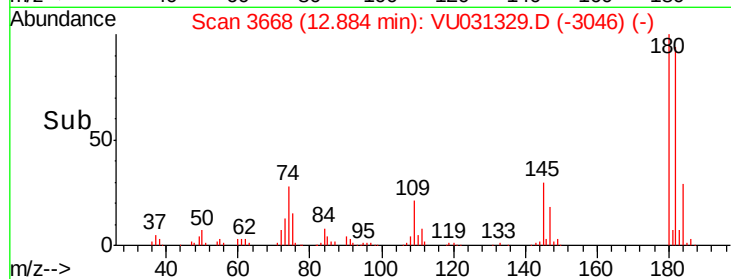
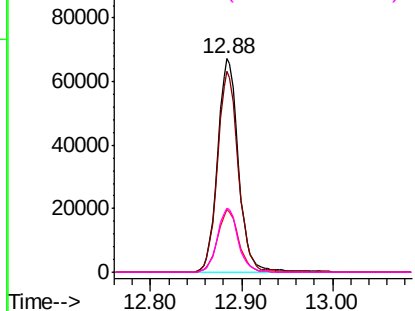
#67
 1,3,5-Trichlorobenzene
 Concen: 4.765 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU031329.D
 Acq: 19 Apr 2019 00:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

Tgt Ion:180 Resp: 107414
 Ion Ratio Lower Upper
 180 100
 182 92.2 77.0 115.6
 184 29.5 23.9 35.9
 145 29.4 23.3 34.9

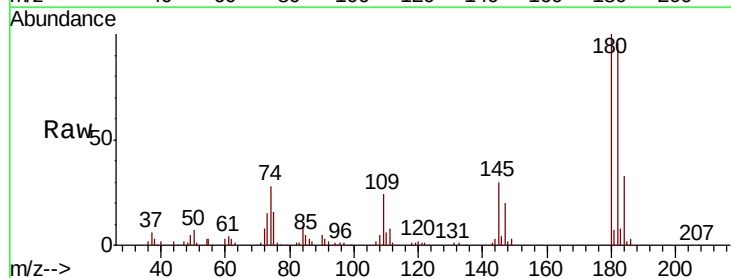


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

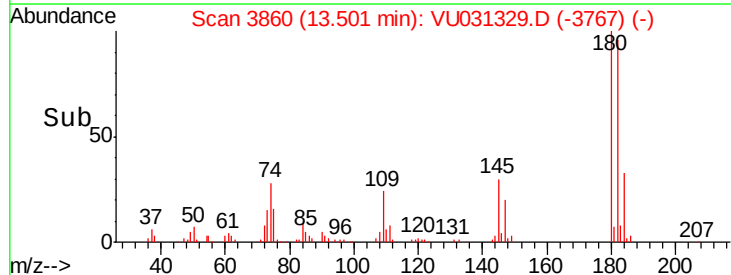
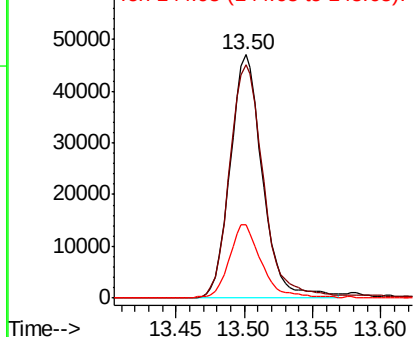


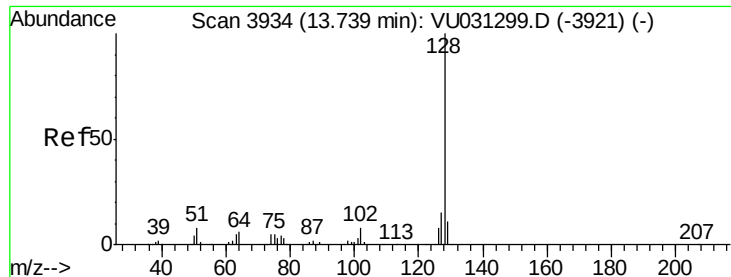
#68
 1,2,4-trichlorobenzene
 Concen: 4.770 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU031329.D
 Acq: 19 Apr 2019 00:13

Tgt Ion:180 Resp: 77535
 Ion Ratio Lower Upper
 180 100
 182 100.4 75.2 112.8
 145 30.5 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: 3.977 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU031329.D

Acq: 19 Apr 2019 00:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD00543

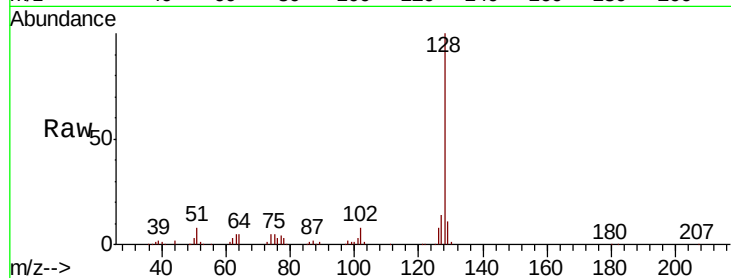
Tgt Ion:128 Resp: 126894

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

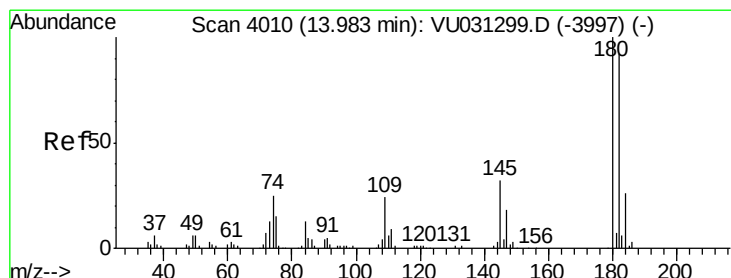
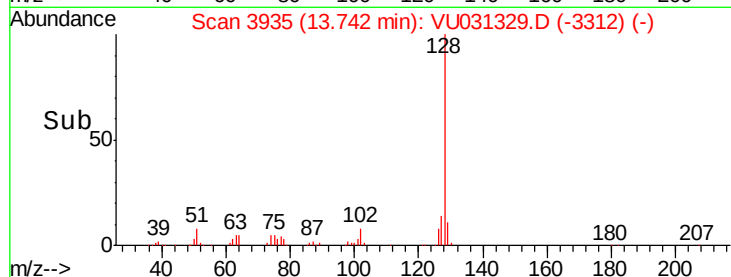
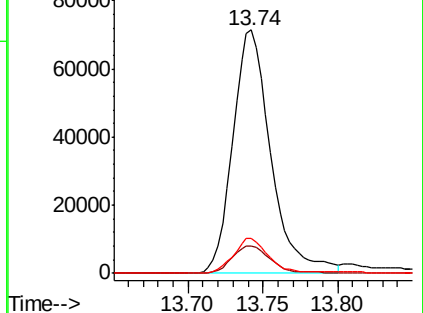
127 13.5 10.8 16.2



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: 4.893 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031329.D

Acq: 19 Apr 2019 00:13

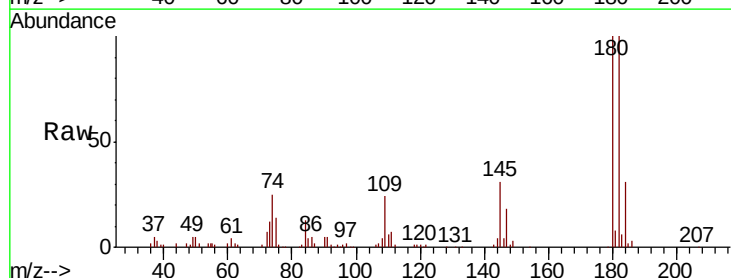
Tgt Ion:180 Resp: 82390

Ion Ratio Lower Upper

180 100

182 96.1 74.3 111.5

145 31.6 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

