

Data File : VU029584.D
Acq On : 20 Feb 2019 16:37
Operator : JC/SP
Sample : K1488-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXE8

Quant Time: Feb 21 04:27:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 21 04:23:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	202120	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	193278	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	106213	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	56856	4.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.80%
7) Chloroethane-d5	1.68	69	51303	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.60%
11) 1,1-Dichloroethene-d2	2.27	63	81698	2.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.40%#
20) 2-Butanone-d5	4.20	46	151256	53.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.14%
24) Chloroform-d	4.65	84	108701	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
26) 1,2-Dichloroethane-d4	5.31	65	57938	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.34	84	220734	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.33	67	70322	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.40%
41) Toluene-d8	7.56	98	208654	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	7.85	79	25396	4.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.80%
46) 2-Hexanone-d5	8.31	63	156850	55.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	63299	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	97601	4.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.60%

Target Compounds

					Qvalue
3) Chloromethane	1.33	50	7532	0.451 ug/L #	49
5) Vinyl chloride	1.40	62	725693	37.281 ug/L #	78
8) Chloroethane	1.93	64	9635	0.760 ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	892	0.051 ug/L #	16
12) 1,1-Dichloroethene	2.28	96	2958	0.178 ug/L #	1
13) Acetone	2.33	43	3489	1.360 ug/L	85
15) Methyl Acetate	2.62	43	1898	0.289 ug/L #	47
17) Methyl tert-butyl Ether	3.00	73	2789	0.067 ug/L #	1
18) trans-1,2-Dichloroethene	2.98	96	19849	1.119 ug/L	94
22) cis-1,2-Dichloroethene	4.22	96	1541354	94.472 ug/L	96
25) Chloroform	4.67	83	3052	0.114 ug/L	96
33) Benzene	5.39	78	3629	0.064 ug/L	100
34) Trichloroethene	6.18	95	10879	0.680 ug/L	96
35) Methylcyclohexane	6.33	83	17529	0.651 ug/L #	21
37) 1,2-Dichloropropane	6.33	63	7563	0.531 ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	1894	0.084 ug/L #	78
42) Toluene	7.64	91	4663	0.073 ug/L	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022019\
Quantitation Report (Not Reviewed)

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QLast Update : Thu Feb 21 04:23:07 2019
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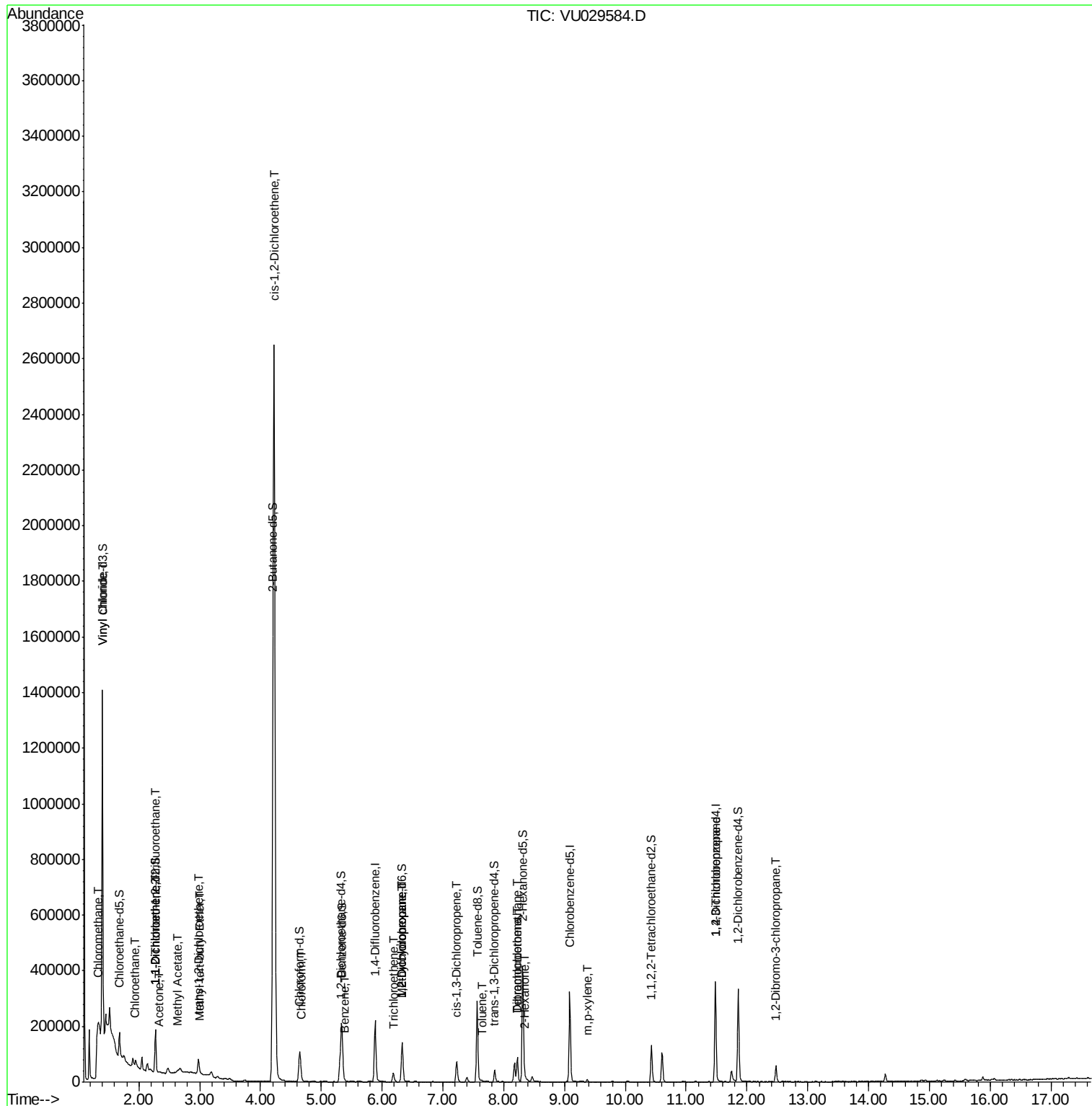
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	8.22	164	20239	1.381	ug/L	97
48) 2-Hexanone	8.36	43	2042	0.341	ug/L #	63
49) Dibromochloromethane	8.22	129	19392	1.318	ug/L #	11
53) m,p-xylene	9.37	106	2128	0.074	ug/L	94
59) 1,2,3-Trichloropropane	11.48	75	10346	1.132	ug/L	90
66) 1,2-Dibromo-3-chloropropan	12.48	75	1779	0.802	ug/L #	1

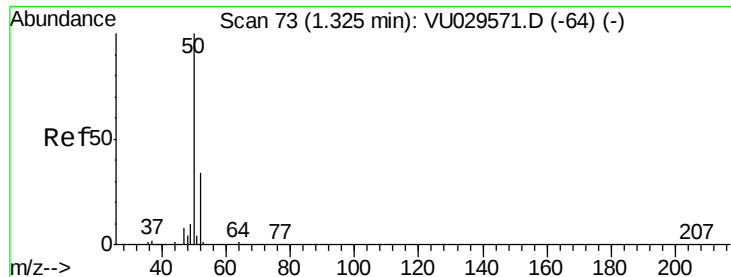
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.451 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029584.D

Acq: 20 Feb 2019 16:37

Instrument :

MSVOA_U

ClientSampleId :

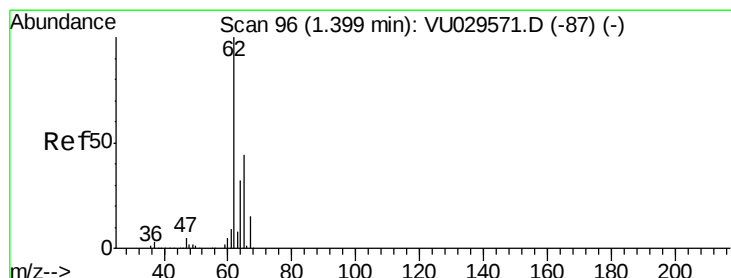
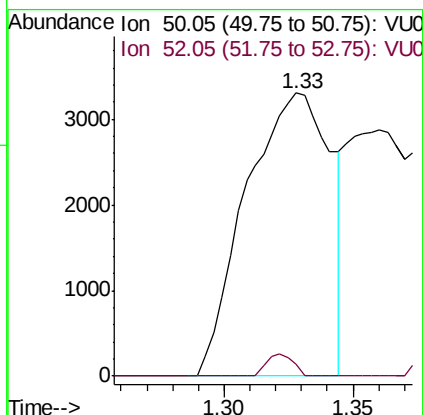
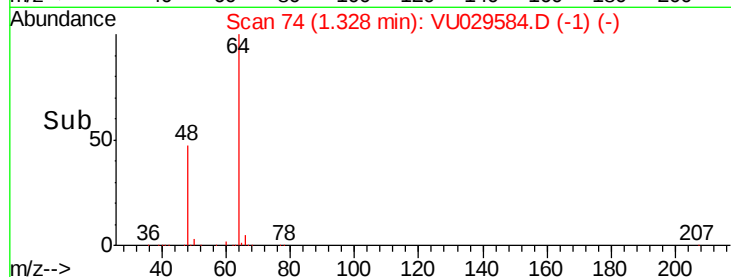
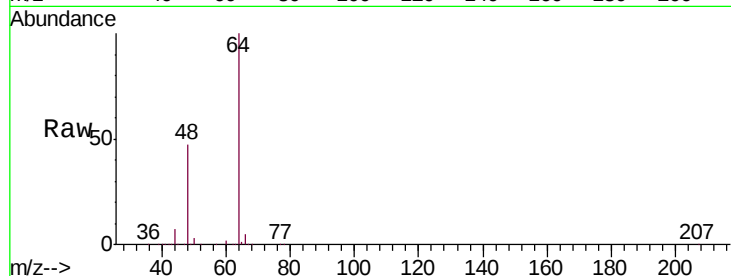
ESXE8

Tgt Ion: 50 Resp: 7532

Ion Ratio Lower Upper

50 100

52 4.1 23.1 42.9#



#5

Vinyl chloride

Concen: 37.281 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029584.D

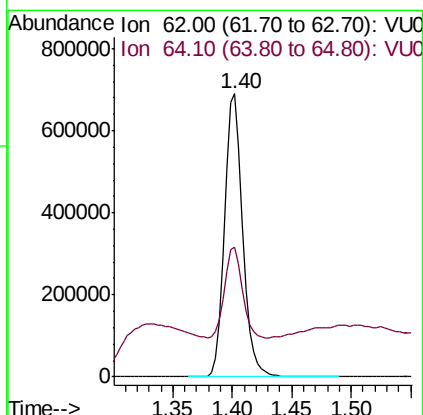
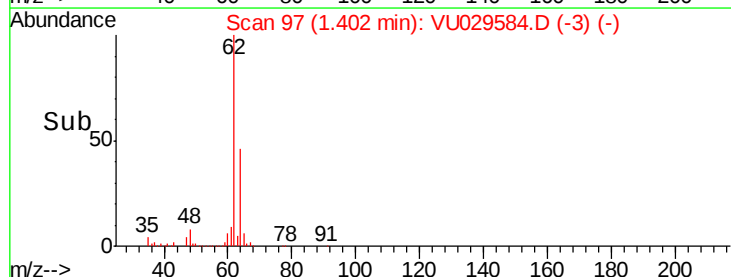
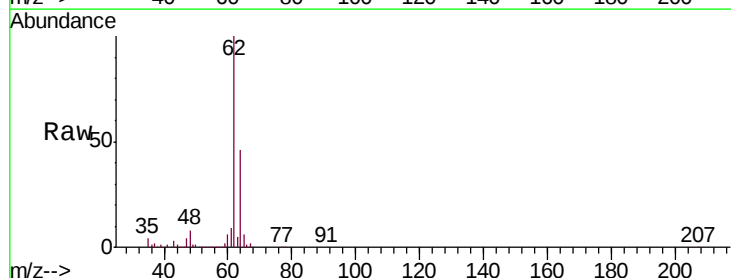
Acq: 20 Feb 2019 16:37

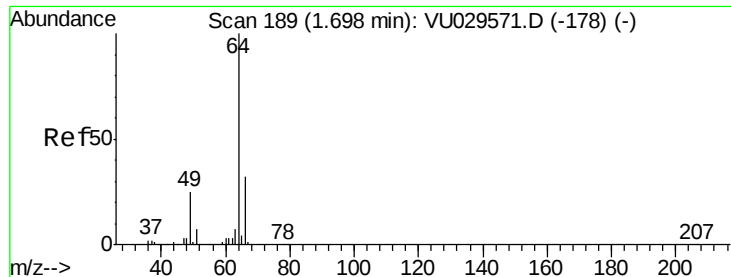
Tgt Ion: 62 Resp: 725693

Ion Ratio Lower Upper

62 100

64 46.0 23.5 43.7#

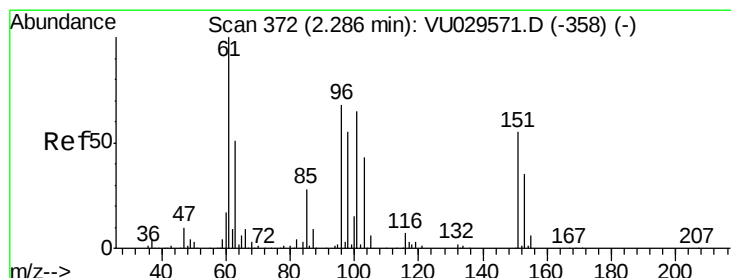
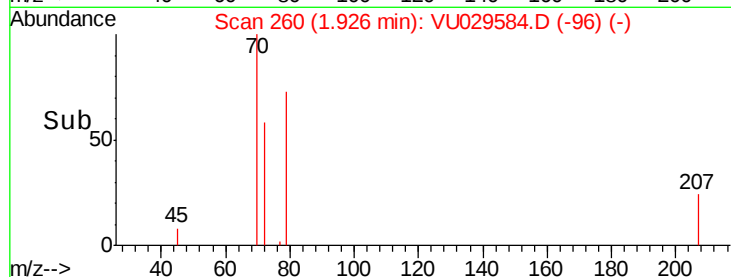
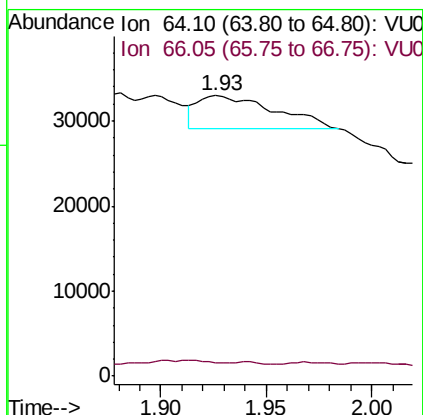
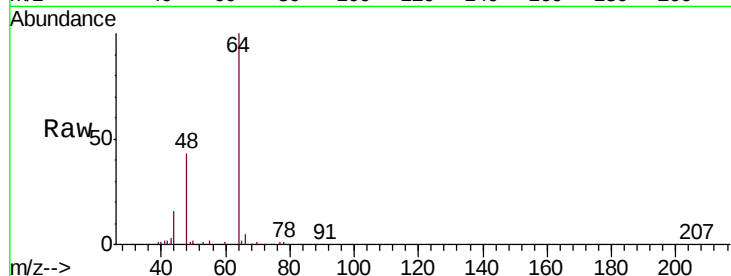




#8
Chloroethane
Concen: 0.760 ug/L
RT: 1.93 min Scan# 260
Delta R.T. 0.23 min
Lab File: VU029584.D
Acq: 20 Feb 2019 16:37

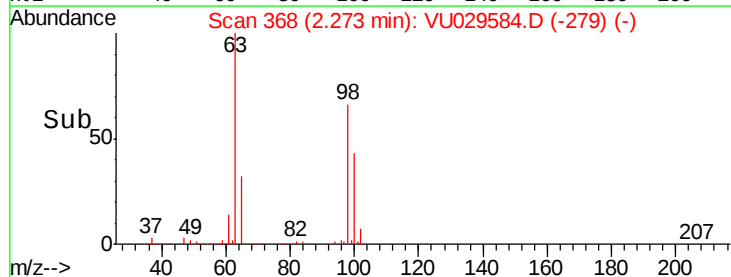
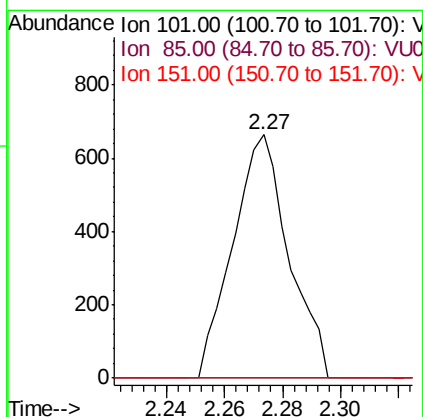
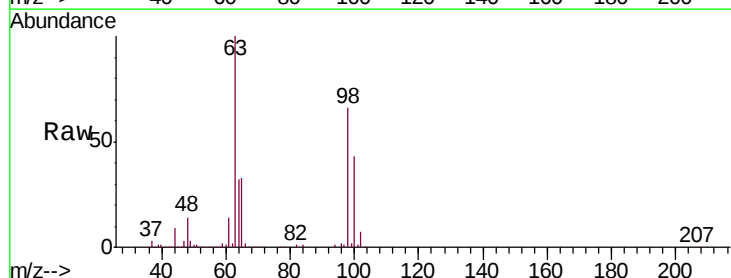
Instrument :
MSVOA_U
ClientSampleId :
ESXE8

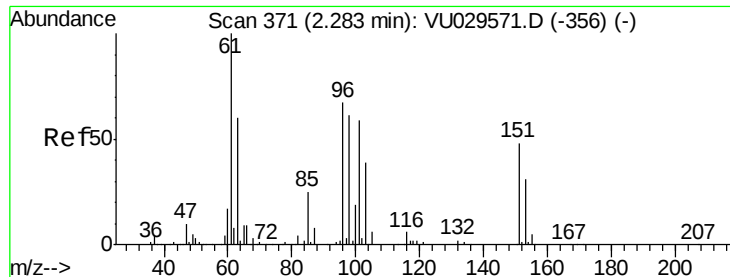
Tgt Ion: 64 Resp: 9635
Ion Ratio Lower Upper
64 100
66 4.8 22.0 40.8#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.051 ug/L
RT: 2.27 min Scan# 368
Delta R.T. -0.01 min
Lab File: VU029584.D
Acq: 20 Feb 2019 16:37

Tgt Ion: 101 Resp: 892
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 67.0 100.6#





#12

1,1-Dichloroethene

Concen: 0.178 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029584.D

Acq: 20 Feb 2019 16:37

Instrument :

MSVOA_U

ClientSampleId :

ESXE8

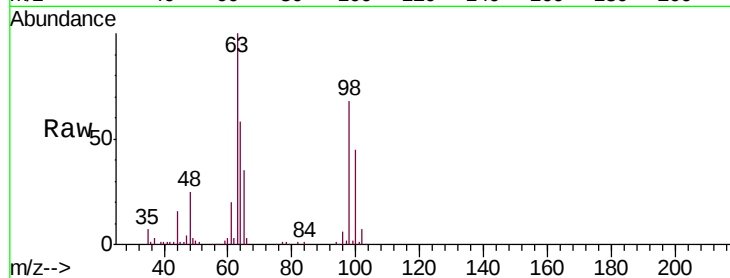
Tgt Ion: 96 Resp: 2958

Ion Ratio Lower Upper

96 100

61 355.2 115.1 213.7#

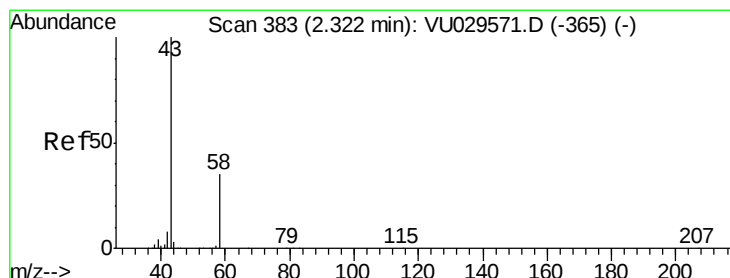
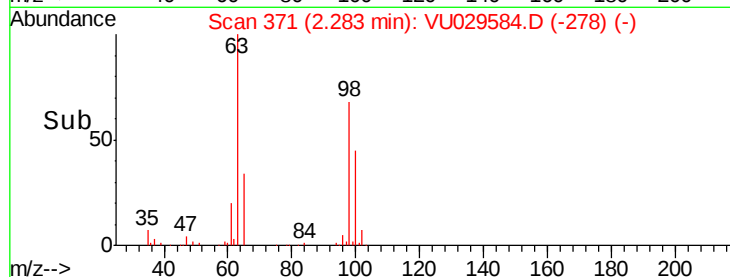
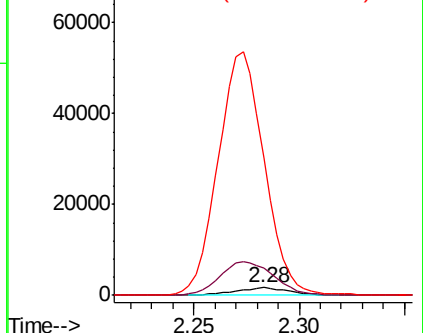
63 1808.8 83.5 155.1#



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: 1.360 ug/L

RT: 2.33 min Scan# 386

Delta R.T. 0.01 min

Lab File: VU029584.D

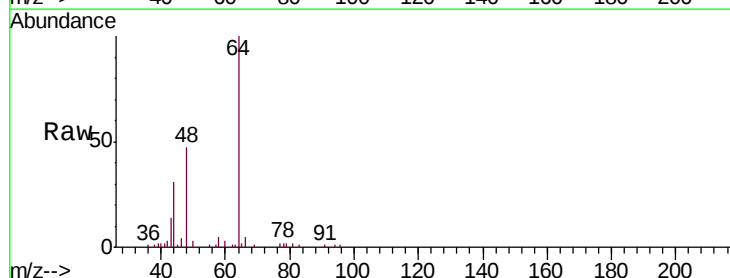
Acq: 20 Feb 2019 16:37

Tgt Ion: 43 Resp: 3489

Ion Ratio Lower Upper

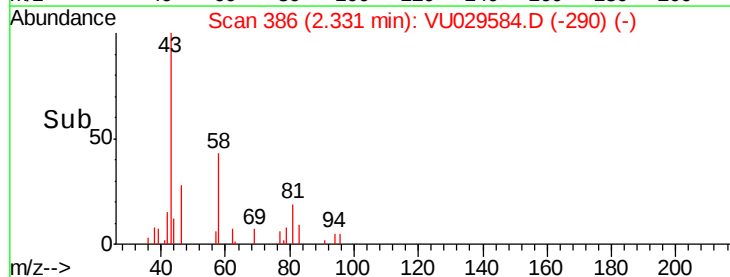
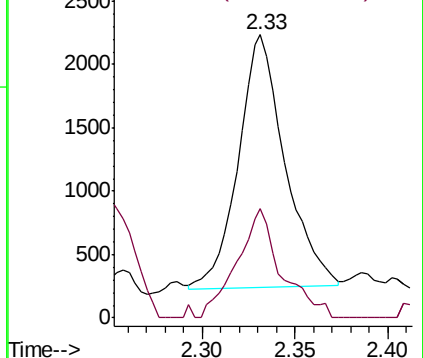
43 100

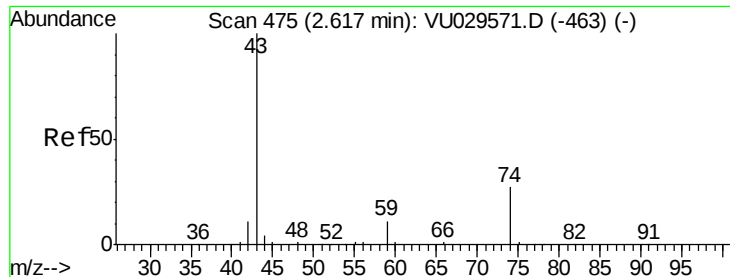
58 41.1 0.0 65.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

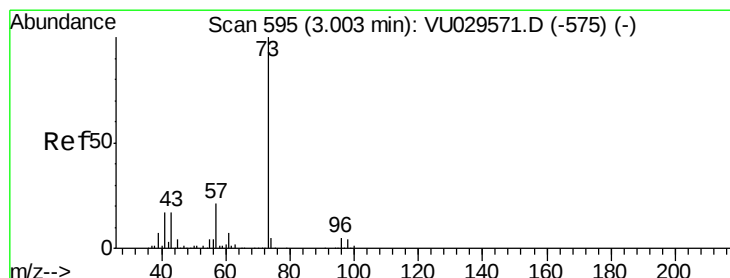
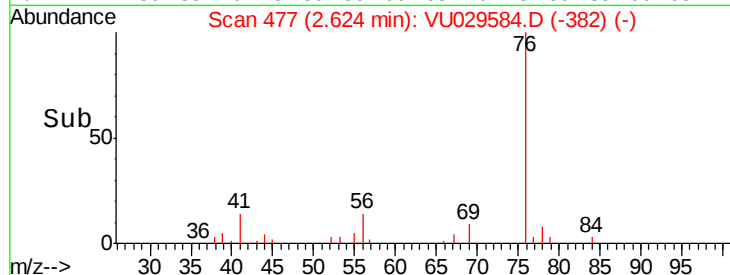
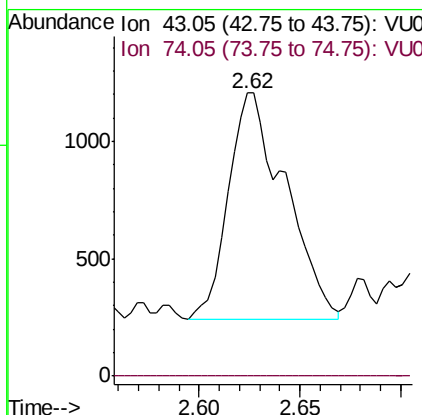
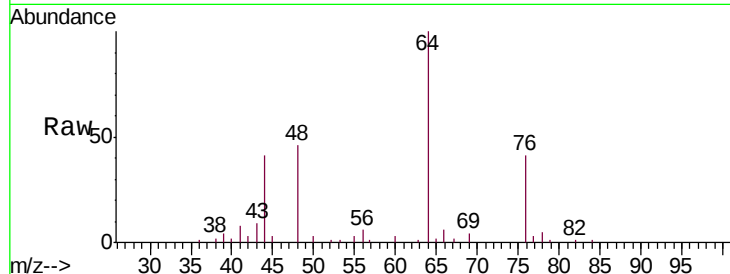




#15
Methyl Acetate
Concen: 0.289 ug/L
RT: 2.62 min Scan# 477
Delta R.T. 0.01 min
Lab File: VU029584.D
Acq: 20 Feb 2019 16:37

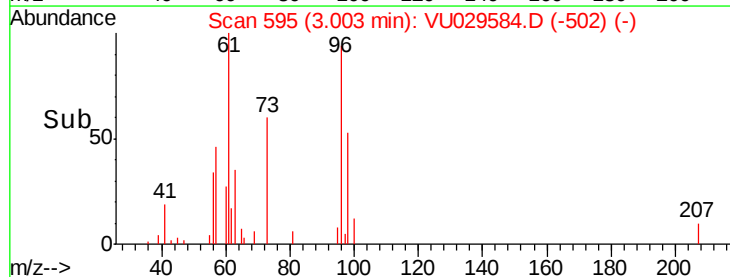
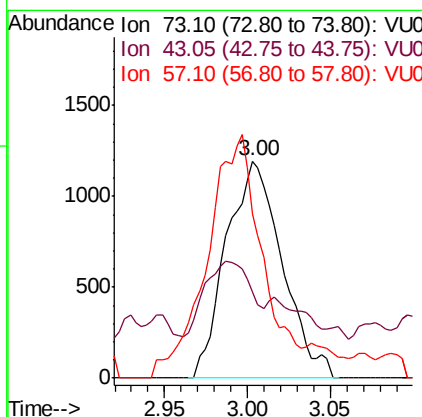
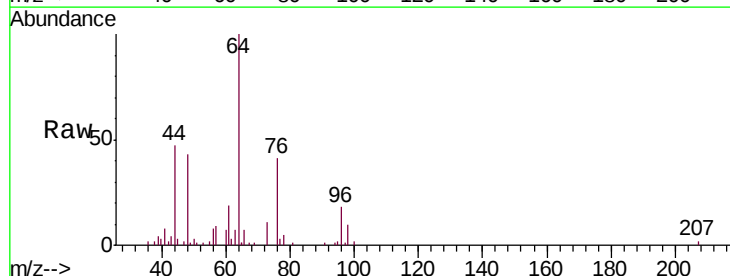
Instrument :
MSVOA_U
ClientSampleID :
ESXE8

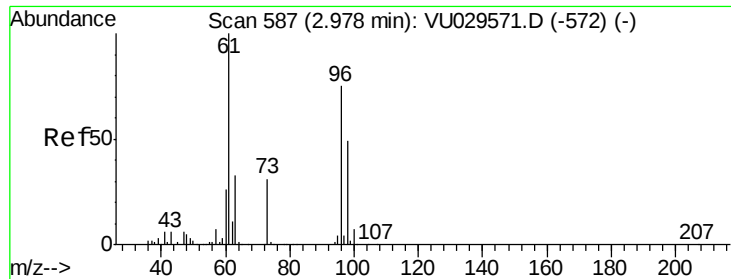
Tgt Ion: 43 Resp: 1898
Ion Ratio Lower Upper
43 100
74 0.0 22.3 33.5#



#17
Methyl tert-butyl Ether
Concen: 0.067 ug/L
RT: 3.00 min Scan# 595
Delta R.T. 0.00 min
Lab File: VU029584.D
Acq: 20 Feb 2019 16:37

Tgt Ion: 73 Resp: 2789
Ion Ratio Lower Upper
73 100
43 28.5 16.0 24.0#
57 110.1 16.9 25.3#





#18

trans-1,2-Dichloroethene

Concen: 1.119 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU029584.D

Acq: 20 Feb 2019 16:37

Instrument :

MSVOA_U

ClientSampleId :

ESXE8

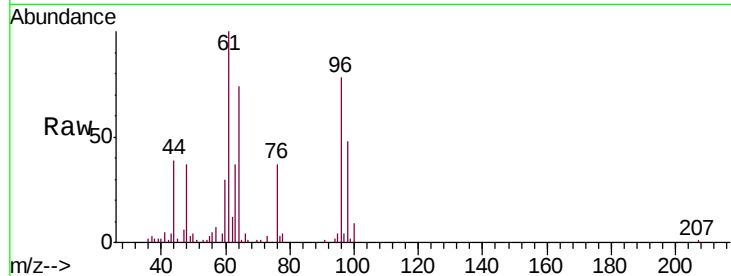
Tgt Ion: 96 Resp: 19849

Ion Ratio Lower Upper

96 100

61 128.2 95.4 177.2

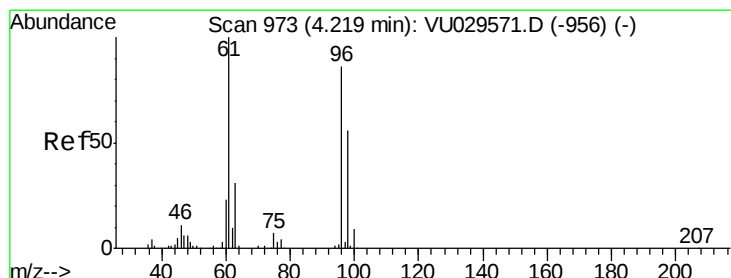
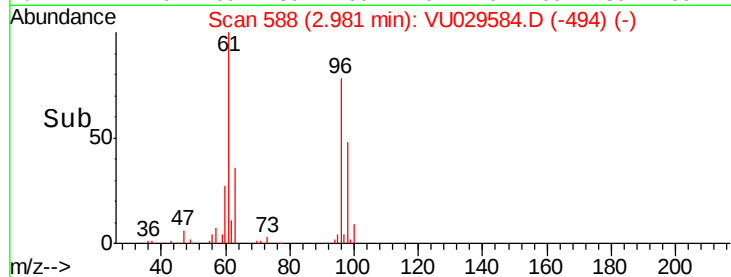
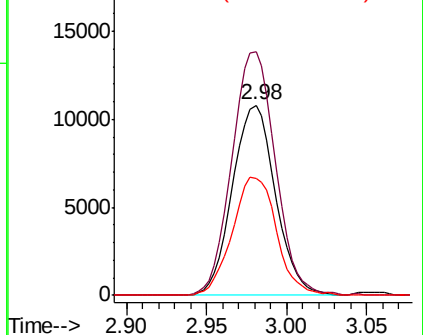
98 61.5 45.8 85.2



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



#22

cis-1,2-Dichloroethene

Concen: 94.472 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029584.D

Acq: 20 Feb 2019 16:37

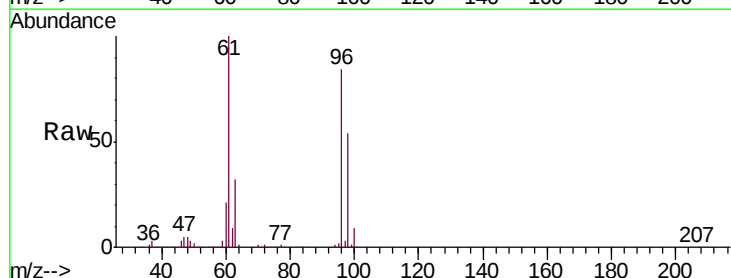
Tgt Ion: 96 Resp: 1541354

Ion Ratio Lower Upper

96 100

61 118.7 79.9 148.5

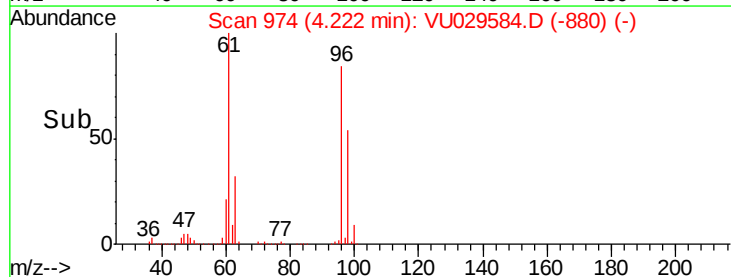
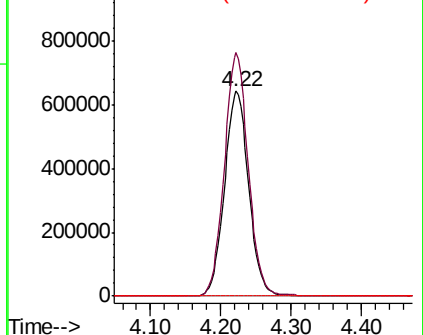
68 0.0 0.0 0.0

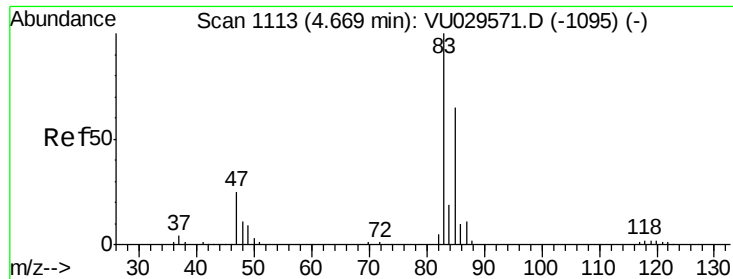


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

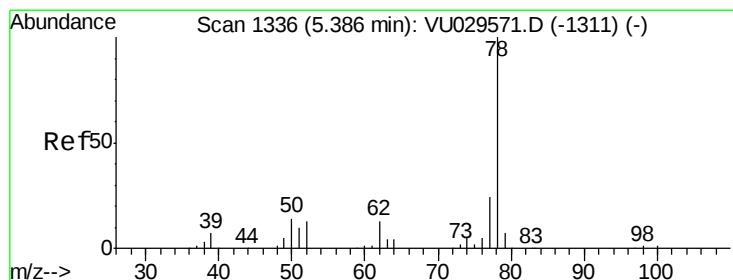
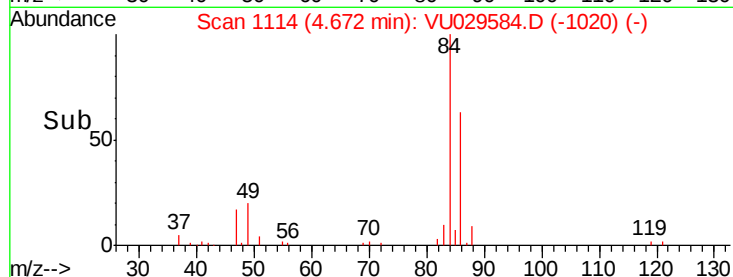
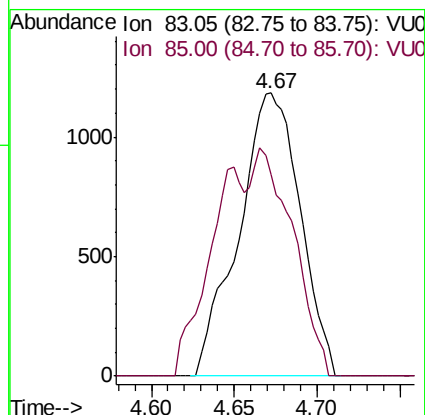
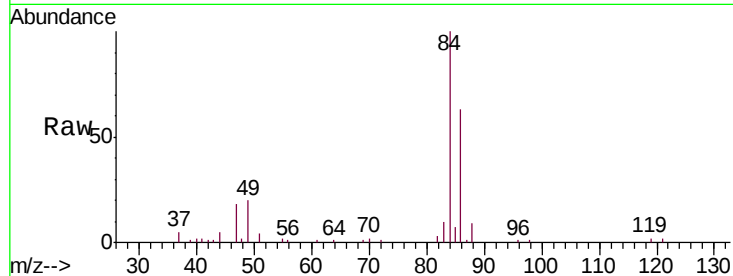




#25
Chloroform
Concen: 0.114 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029584.D
Acq: 20 Feb 2019 16:37

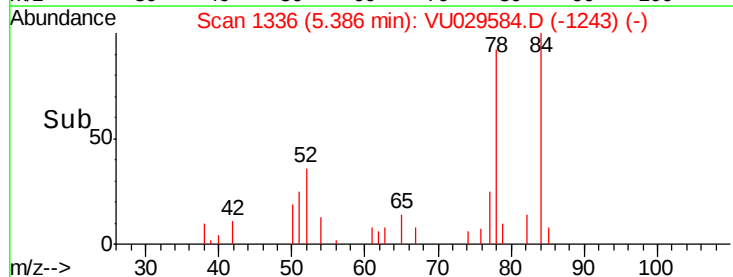
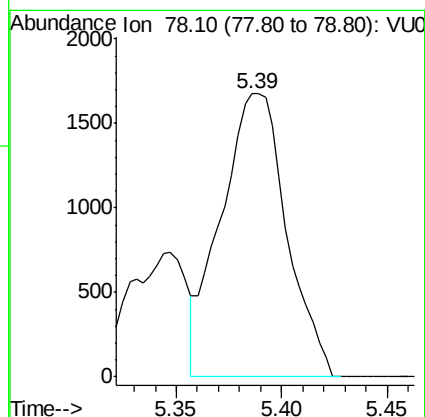
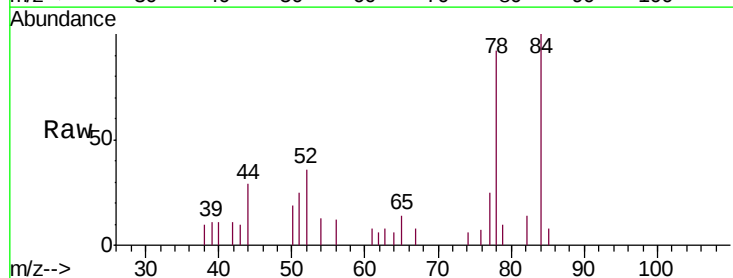
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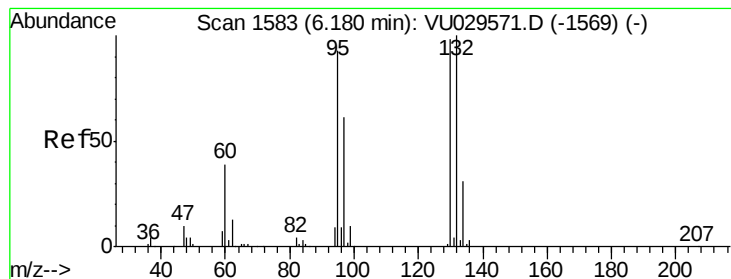
Tgt Ion: 83 Resp: 3052
Ion Ratio Lower Upper
83 100
85 71.3 47.8 88.8



#33
Benzene
Concen: 0.064 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU029584.D
Acq: 20 Feb 2019 16:37

Tgt Ion: 78 Resp: 3629





#34

Trichloroethene

Concen: 0.680 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029584.D

Acq: 20 Feb 2019 16:37

Instrument :

MSVOA_U

ClientSampleId :

ESXE8

Tgt Ion: 95 Resp: 10879

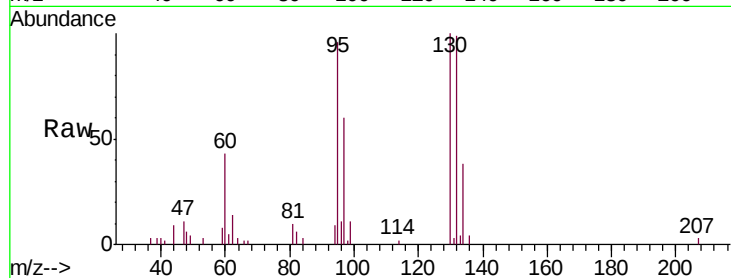
Ion Ratio Lower Upper

95 100

97 62.7 46.3 86.1

132 103.3 72.9 135.3

130 104.7 79.2 147.0

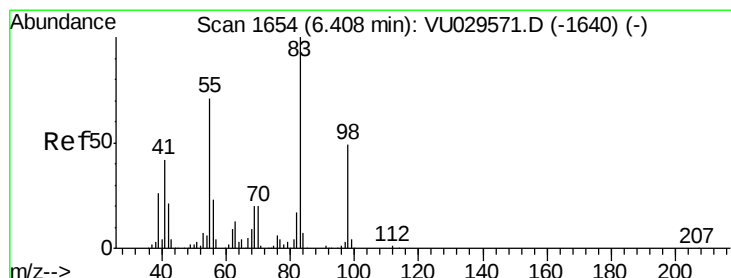
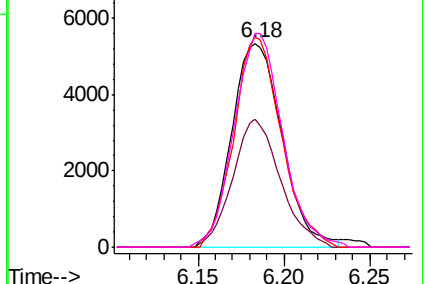
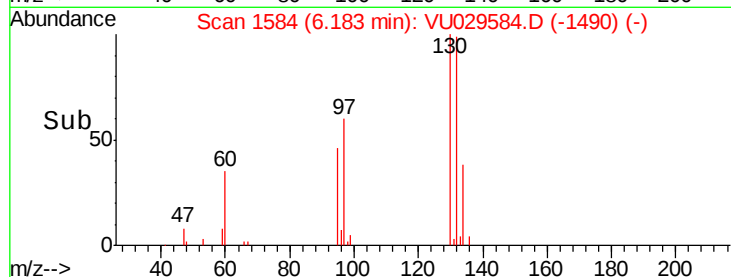


Abundance Ion 95.00 (94.70 to 95.70): VU029571.D (-1569) (-)

Ion 96.95 (96.65 to 97.65): VU029571.D (-1569) (-)

Ion 131.95 (131.65 to 132.65): VU029571.D (-1569) (-)

Ion 129.95 (129.65 to 130.65): VU029571.D (-1569) (-)



#35

Methylcyclohexane

Concen: 0.651 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.08 min

Lab File: VU029584.D

Acq: 20 Feb 2019 16:37

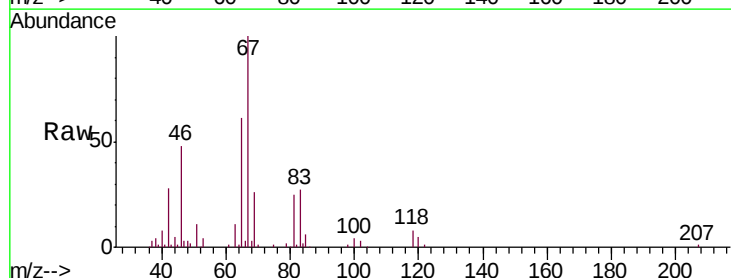
Tgt Ion: 83 Resp: 17529

Ion Ratio Lower Upper

83 100

55 0.3 55.9 83.9#

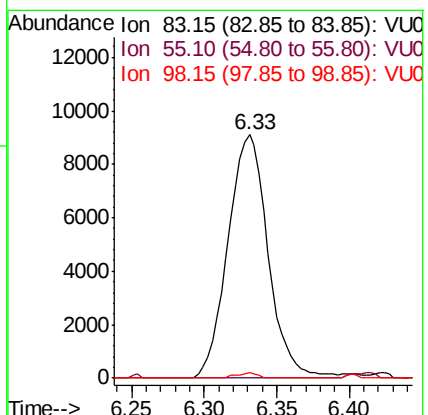
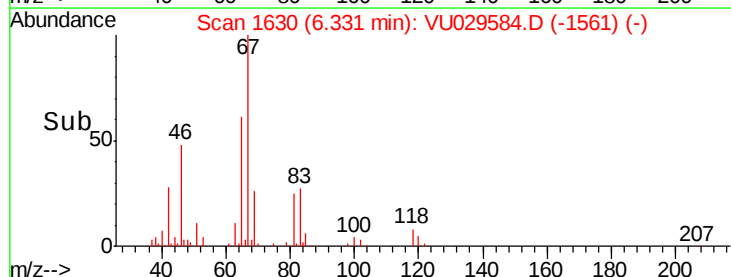
98 1.1 38.6 57.8#

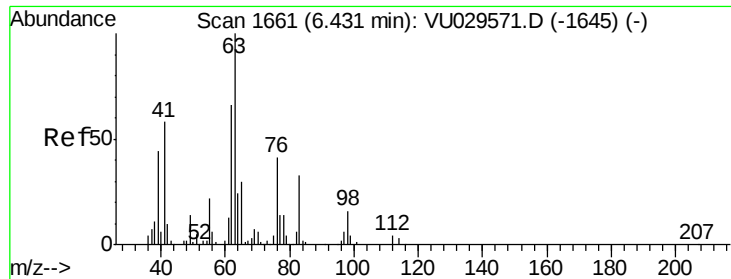


Abundance Ion 83.15 (82.85 to 83.85): VU029571.D (-1640) (-)

Ion 55.10 (54.80 to 55.80): VU029571.D (-1640) (-)

Ion 98.15 (97.85 to 98.85): VU029571.D (-1640) (-)





#37

1,2-Dichloropropane

Concen: 0.531 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.10 min

Lab File: VU029584.D

Acq: 20 Feb 2019 16:37

Instrument :

MSVOA_U

ClientSampleId :

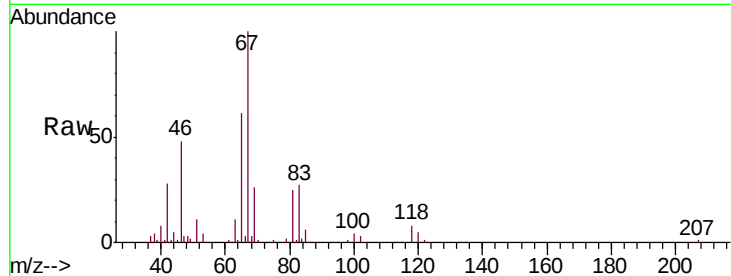
ESXE8

Tgt Ion: 63 Resp: 7563

Ion Ratio Lower Upper

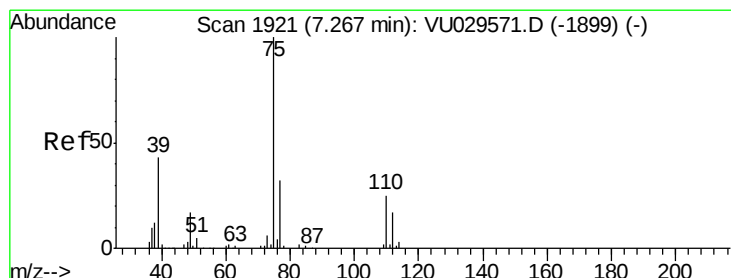
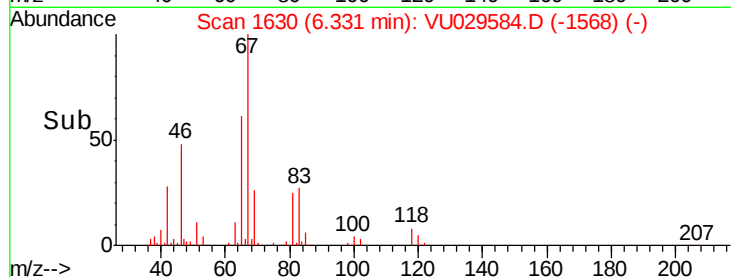
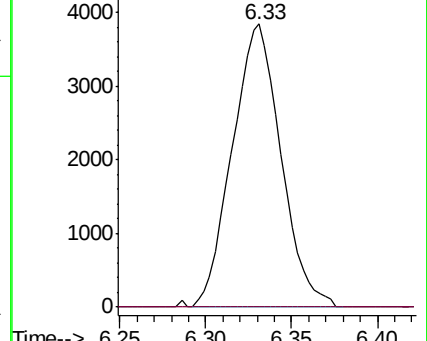
63 100

112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



#39

cis-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. -0.04 min

Lab File: VU029584.D

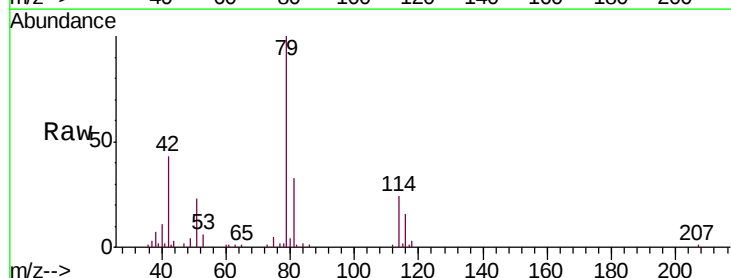
Acq: 20 Feb 2019 16:37

Tgt Ion: 75 Resp: 1894

Ion Ratio Lower Upper

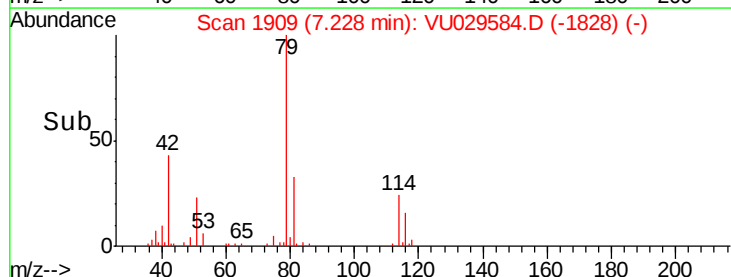
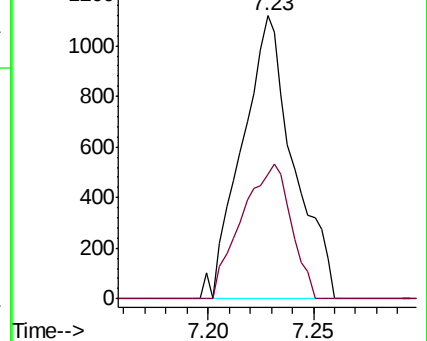
75 100

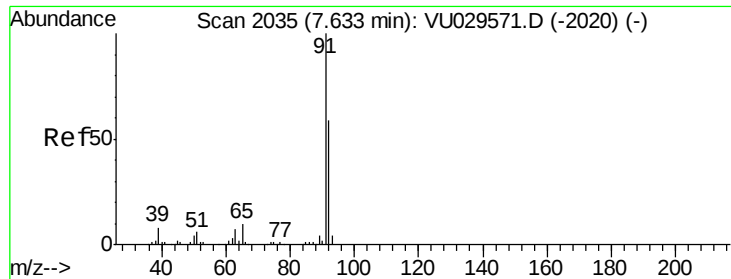
77 44.2 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#42

Toluene

Concen: 0.073 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU029584.D

Acq: 20 Feb 2019 16:37

Instrument :

MSVOA_U

ClientSampled :

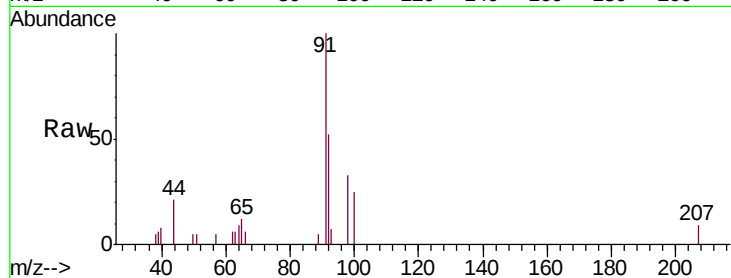
ESXE8

Tgt Ion: 91 Resp: 4663

Ion Ratio Lower Upper

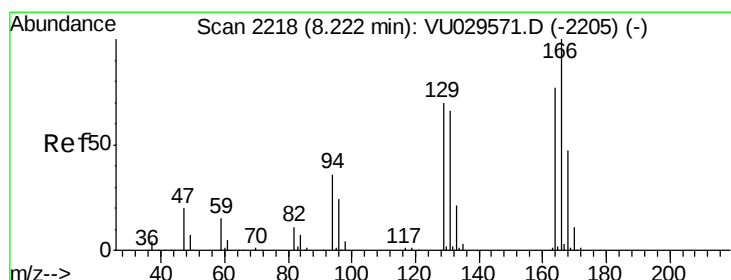
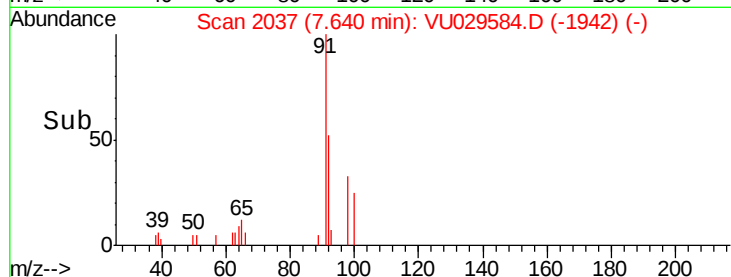
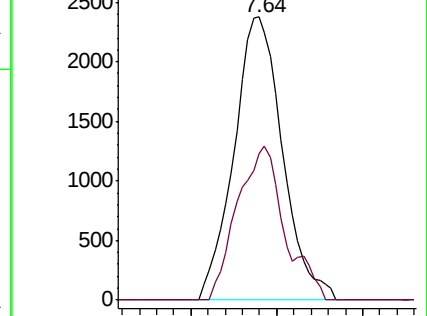
91 100

92 51.7 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#47

Tetrachloroethene

Concen: 1.381 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU029584.D

Acq: 20 Feb 2019 16:37

Tgt Ion:164 Resp: 20239

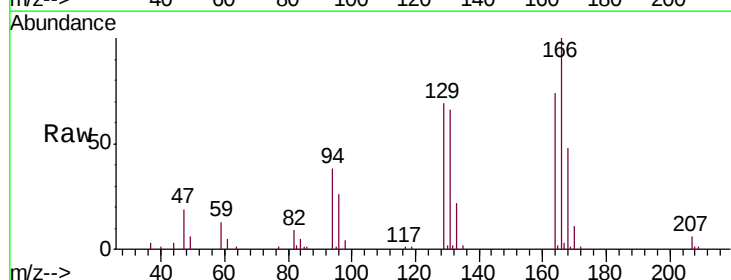
Ion Ratio Lower Upper

164 100

129 92.8 62.9 116.9

131 88.7 62.1 115.3

166 134.4 89.8 166.8

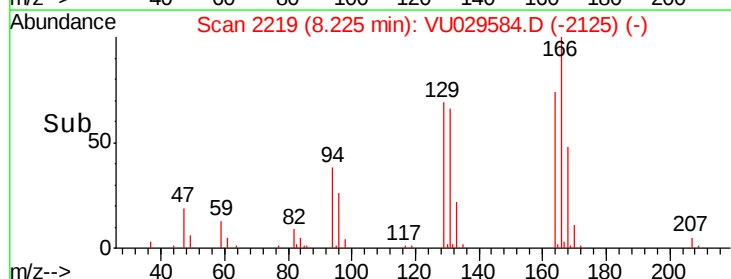
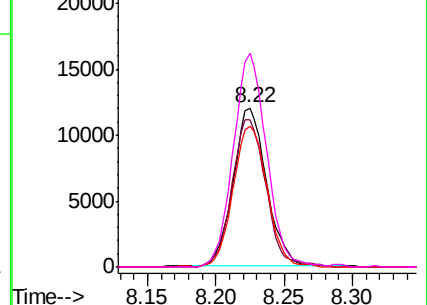


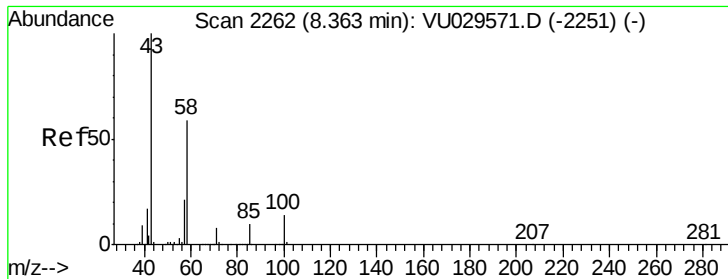
Abundance Ion 163.90 (163.60 to 164.60): V

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

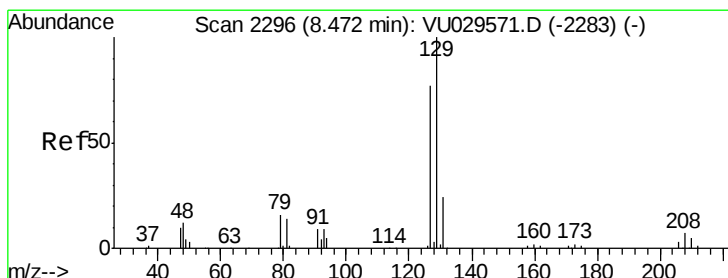
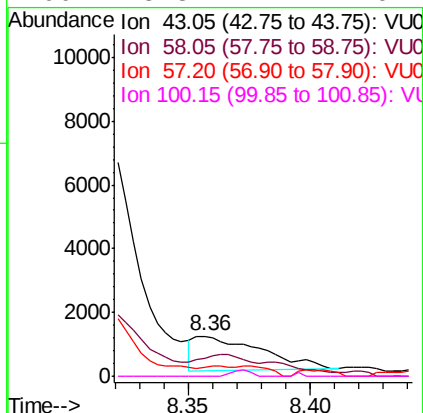
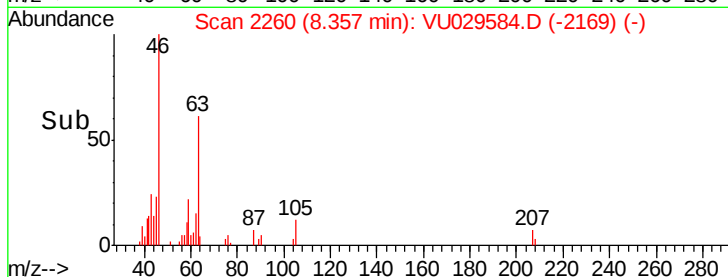
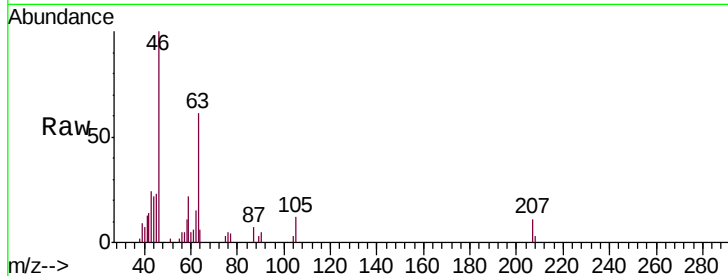




#48
2-Hexanone
Concen: 0.341 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. -0.01 min
Lab File: VU029584.D
Acq: 20 Feb 2019 16:37

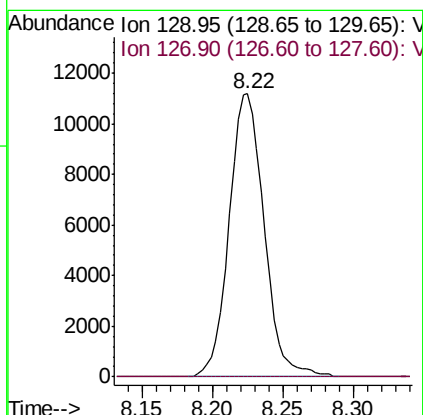
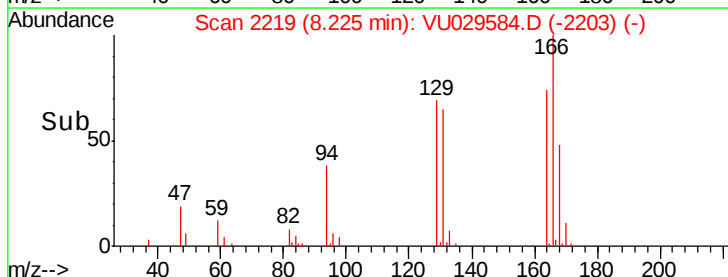
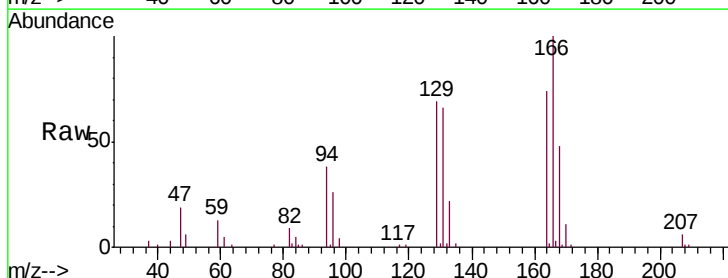
Instrument :
MSVOA_U
ClientSampleId :
ESXE8

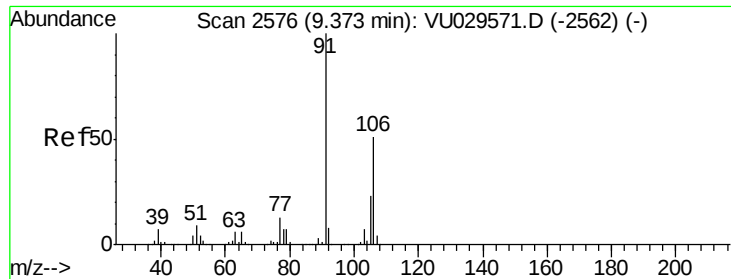
Tgt Ion: 43 Resp: 2042
Ion Ratio Lower Upper
43 100
58 19.8 45.7 68.5#
57 16.0 16.4 24.6#
100 5.8 11.1 16.7#



#49
Dibromochloromethane
Concen: 1.318 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.25 min
Lab File: VU029584.D
Acq: 20 Feb 2019 16:37

Tgt Ion: 129 Resp: 19392
Ion Ratio Lower Upper
129 100
127 0.0 53.3 99.1#

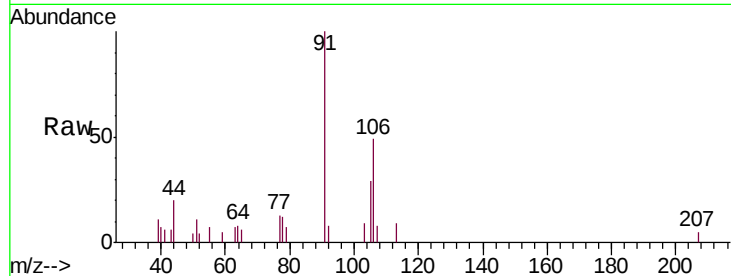




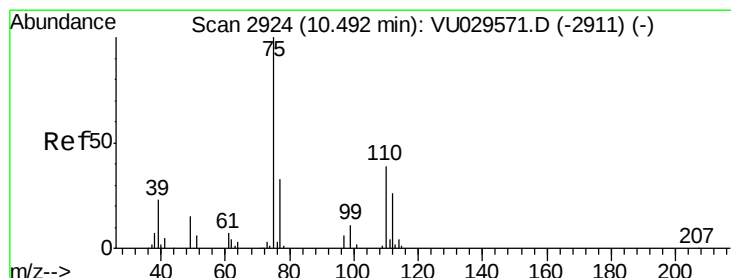
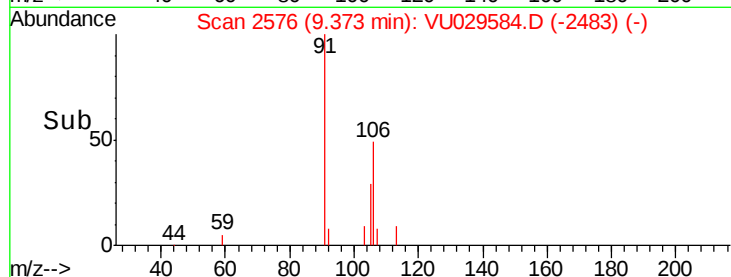
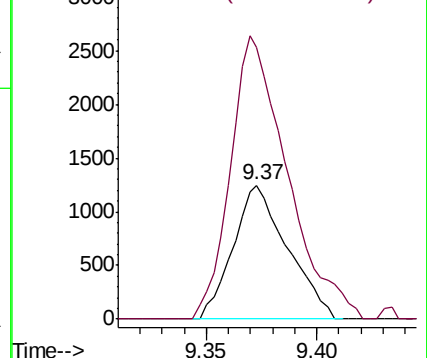
#53
m,p-xylene
Concen: 0.074 ug/L
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU029584.D
Acq: 20 Feb 2019 16:37

Instrument :
MSVOA_U
ClientSampleId :
ESXE8

Tgt Ion: 106 Resp: 2128
Ion Ratio Lower Upper
106 100
91 202.2 135.7 251.9

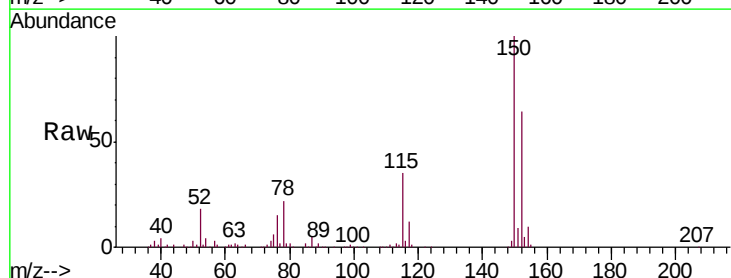


Abundance Ion 106.15 (105.85 to 106.85): VU029571.D (-2562) (-)
Ion 91.15 (90.85 to 91.85): VU029571.D (-2562) (-)

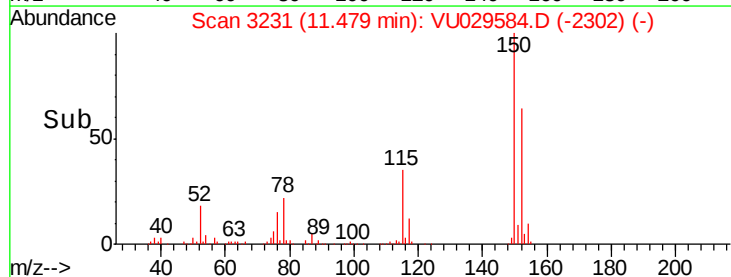
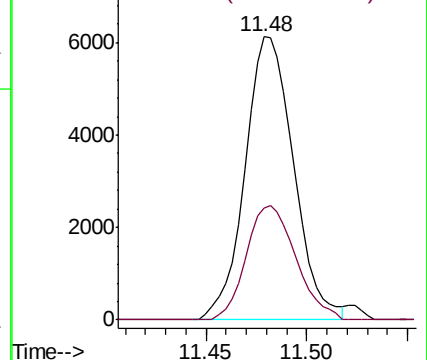


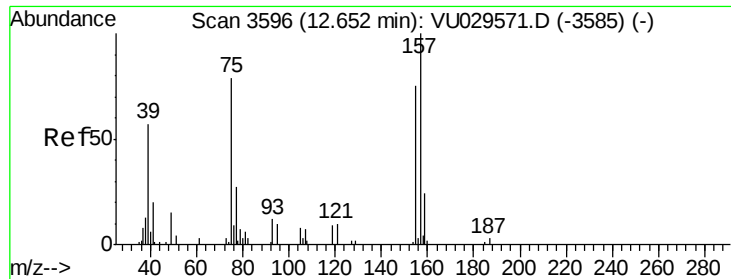
#59
1,2,3-Trichloropropane
Concen: 1.132 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU029584.D
Acq: 20 Feb 2019 16:37

Tgt Ion: 75 Resp: 10346
Ion Ratio Lower Upper
75 100
77 41.0 28.2 42.2



Abundance Ion 75.00 (74.70 to 75.70): VU029571.D (-2911) (-)
Ion 77.00 (76.70 to 77.70): VU029571.D (-2911) (-)





#66

1,2-Dibromo-3-chloropropane

Concen: 0.802 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.17 min

Lab File: VU029584.D

Acq: 20 Feb 2019 16:37

Instrument :

MSVOA_U

ClientSampleId :

ESXE8

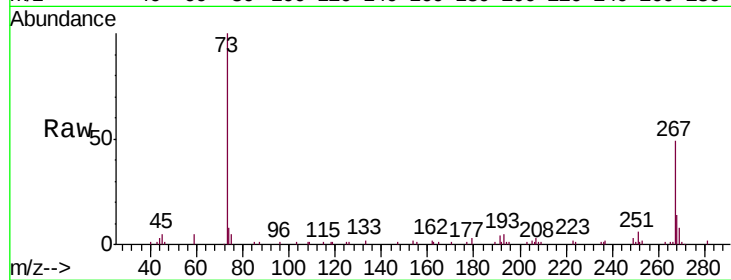
Tgt Ion: 75 Resp: 1779

Ion Ratio Lower Upper

75 100

155 14.2 75.3 112.9#

157 0.0 103.0 154.4#



Abundance Ion 75.05 (74.75 to 75.75): VU0

1500 Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

