

Data File : VU030779.D
Acq On : 06 Apr 2019 06:24
Operator : JC/SP
Sample : K2249-09DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E3YE2DL

Quant Time: Apr 08 01:06:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 08 01:03:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	477556	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	465645	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	204654	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	217955	51.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.26%
7) Chloroethane-d5	1.68	69	168733	52.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.30%
11) 1,1-Dichloroethene-d2	2.52	63	381	0.05	ug/L	0.26
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.10%#
21) 2-Butanone-d5	4.17	46	353974	104.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.77%
24) Chloroform-d	4.64	84	290122	44.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.10%
26) 1,2-Dichloroethane-d4	5.31	65	223056	50.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.40%
32) Benzene-d6	5.33	84	671007	49.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.72%
36) 1,2-Dichloropropane-d6	6.32	67	232593	49.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.86%
41) Toluene-d8	7.56	98	568996	47.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.44%
43) trans-1,3-Dichloropropene-	7.85	79	97729	46.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.02%
47) 2-Hexanone-d5	8.31	63	212303	99.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.71%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	303882	48.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.72%
64) 1,2-Dichlorobenzene-d4	11.86	152	194316	48.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.56%

Target Compounds

					Qvalue
5) Vinyl chloride	1.40	62	15308	2.915 ug/L #	48
8) Chloroethane	1.69	64	83261	27.793 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2468	0.722 ug/L #	20
12) 1,1-Dichloroethene	2.28	96	4319	1.308 ug/L #	1
19) 1,1-Dichloroethane	3.44	63	437027	60.418 ug/L	96
20) cis-1,2-Dichloroethene	4.22	96	164381	42.474 ug/L	97
25) Chloroform	4.67	83	41023	5.643 ug/L	97
30) 1,1,1-Trichloroethane	4.91	97	27447	4.837 ug/L	98
31) Carbon tetrachloride	4.91	117	3599	0.736 ug/L	99
39) cis-1,3-Dichloropropene	7.22	75	4518	0.736 ug/L #	56
42) Toluene	7.64	91	17457	1.122 ug/L	97
44) trans-1,3-Dichloropropene	7.84	75	3577	0.661 ug/L	84
46) Tetrachloroethene	8.22	164	3250	1.196 ug/L	91
48) 2-Hexanone	8.37	43	5503	1.017 ug/L #	81
49) Dibromochloromethane	8.23	129	3220	0.829 ug/L #	10
52) Ethylbenzene	9.25	91	19477	1.149 ug/L	99
53) m,p-Xylene	9.37	106	14141	2.391 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Mon Apr 08 01:03:28 2019
Response via : Initial Calibration

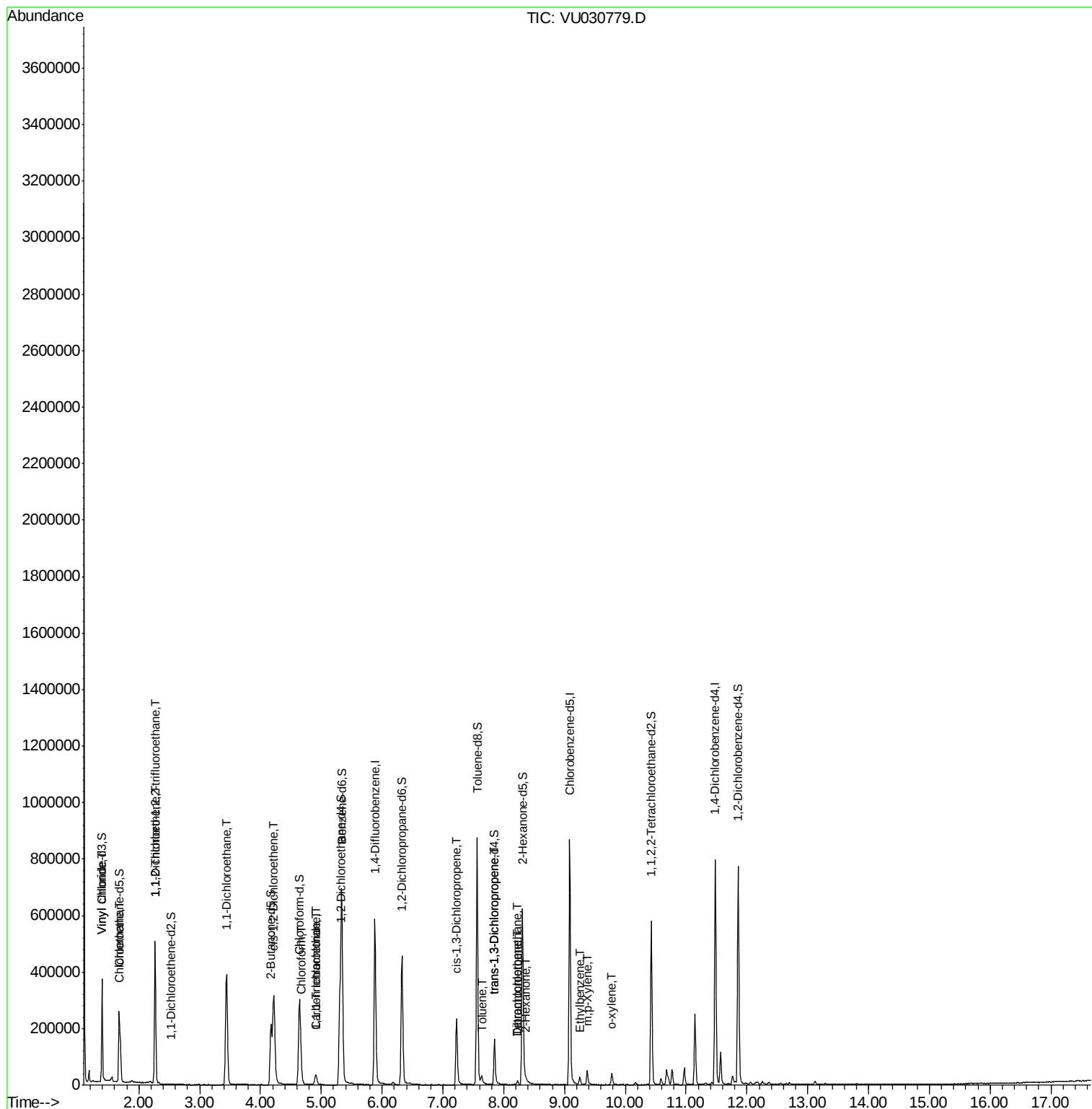
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-xylene	9.77	106	11007	1.871	ug/L	90

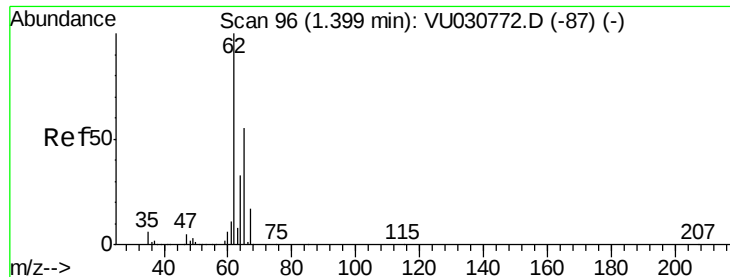
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 2.915 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU030779.D

Acq: 06 Apr 2019 06:24

Instrument :

MSVOA_U

ClientSampleId :

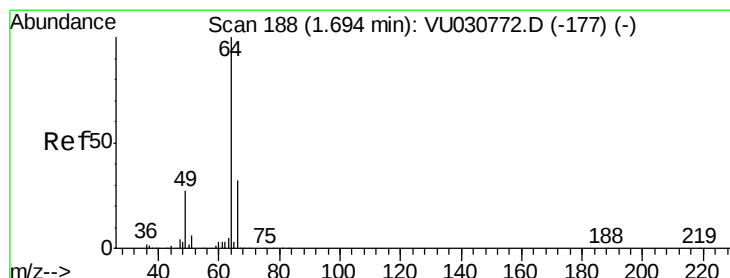
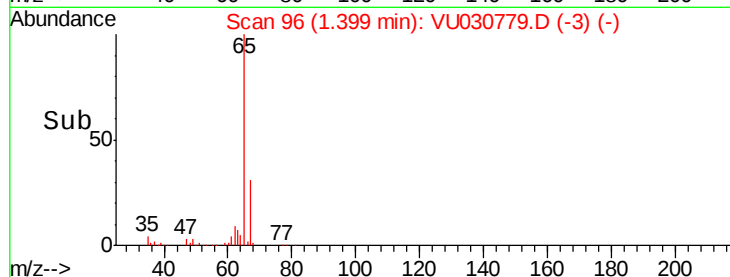
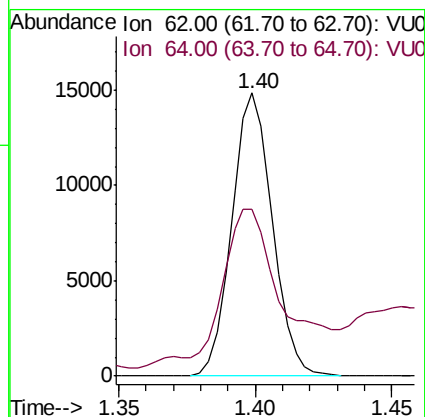
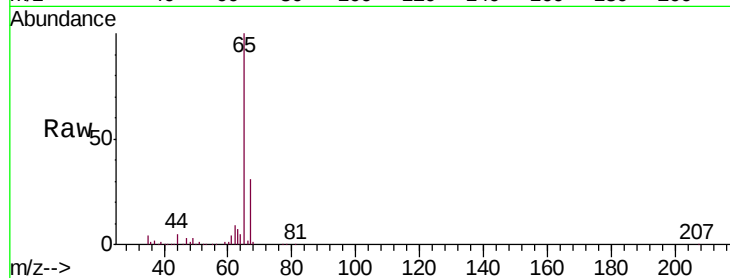
E3YE2DL

Tgt Ion: 62 Resp: 15308

Ion Ratio Lower Upper

62 100

64 58.9 21.5 39.9#



#8

Chloroethane

Concen: 27.793 ug/L

RT: 1.69 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU030779.D

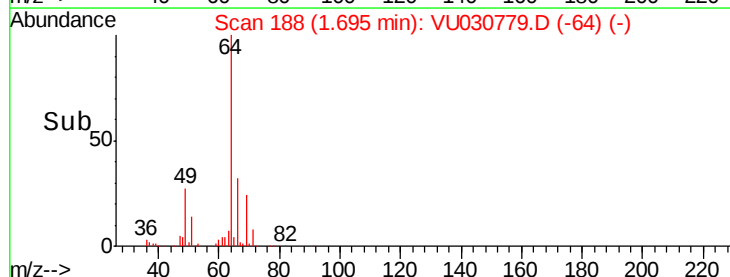
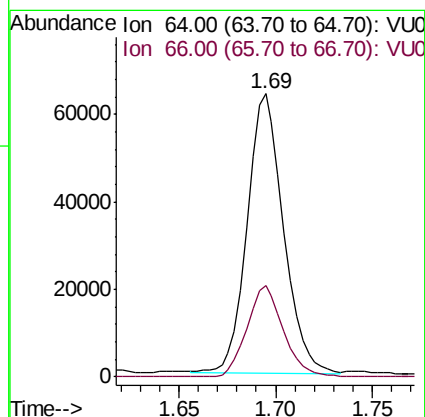
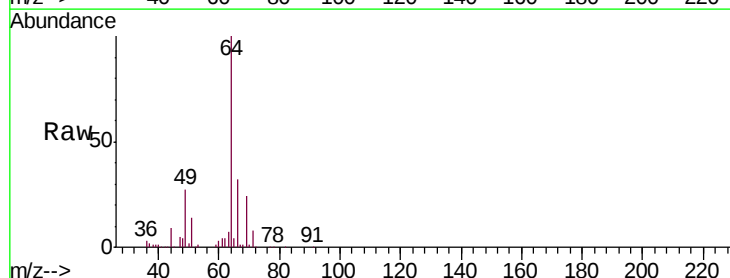
Acq: 06 Apr 2019 06:24

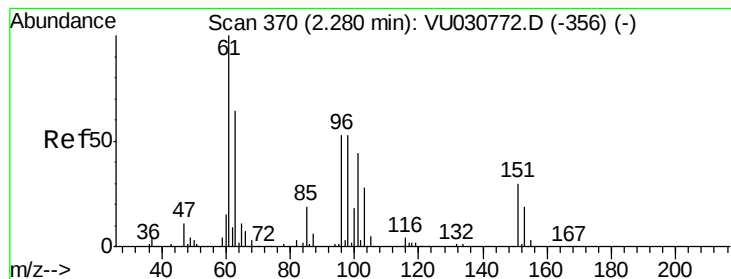
Tgt Ion: 64 Resp: 83261

Ion Ratio Lower Upper

64 100

66 32.1 22.4 41.6





#10

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

Concen: 0.722 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030779.D

Acq: 06 Apr 2019 06:24

Instrument :

MSVOA_U

ClientSampleId :

E3YE2DL

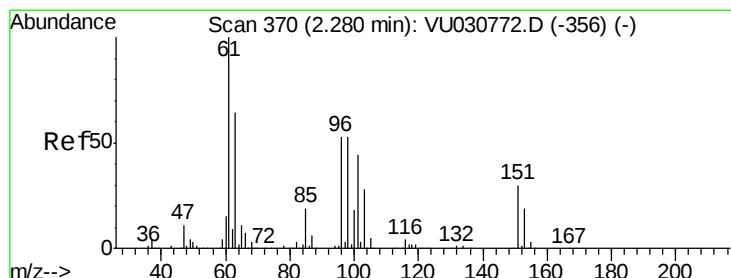
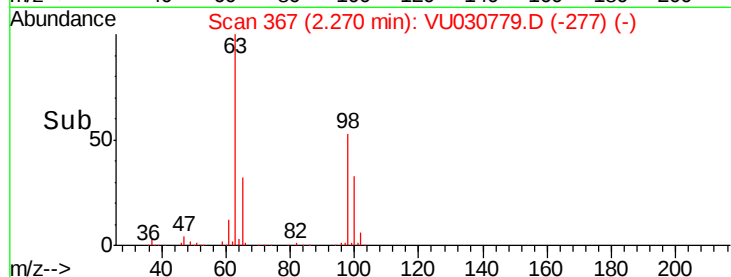
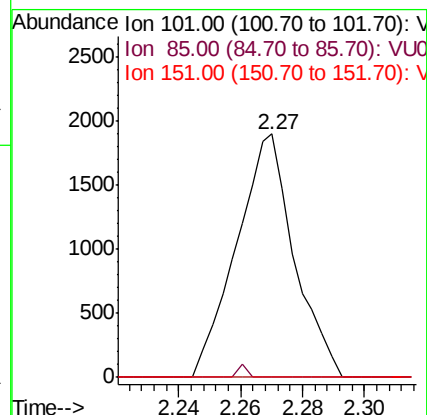
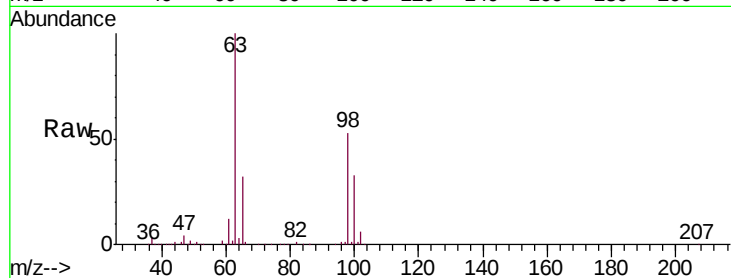
Tgt Ion: 101 Resp: 2468

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

151 0.0 57.4 86.0#



#12

1,1-Dichloroethene

Concen: 1.308 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU030779.D

Acq: 06 Apr 2019 06:24

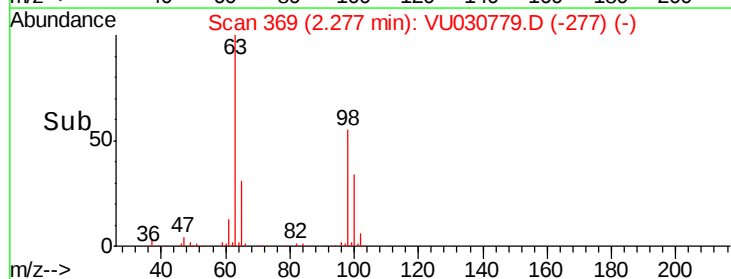
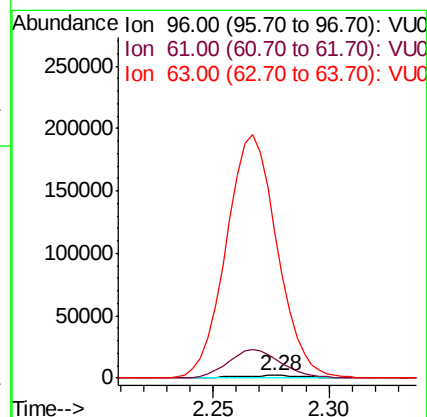
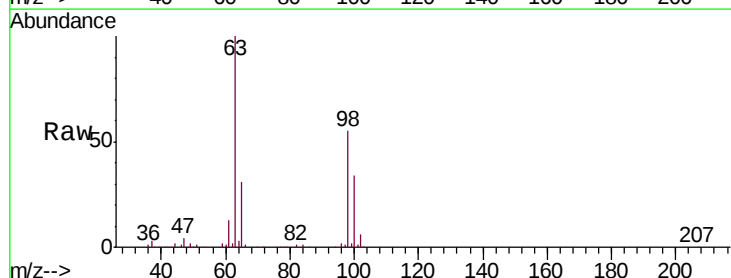
Tgt Ion: 96 Resp: 4319

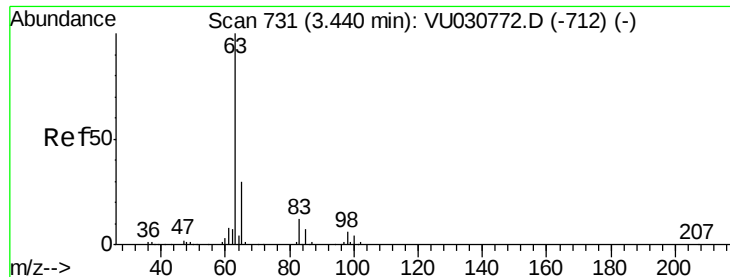
Ion Ratio Lower Upper

96 100

61 716.3 132.0 245.2#

63 5531.0 90.9 168.9#

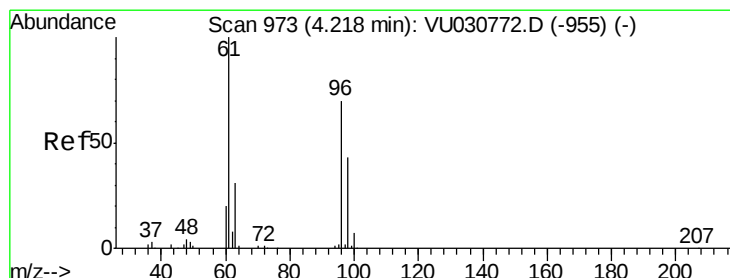
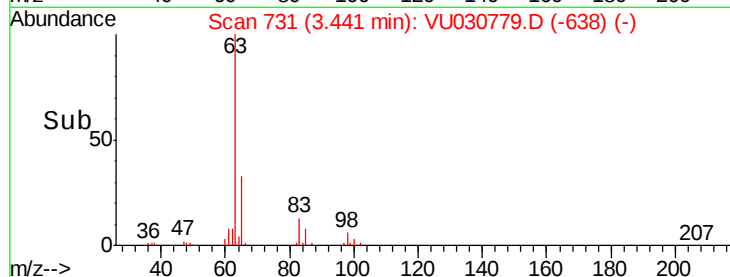
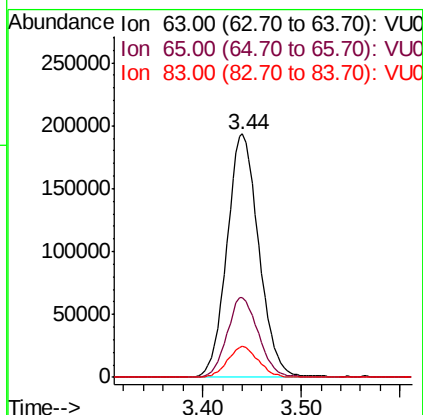
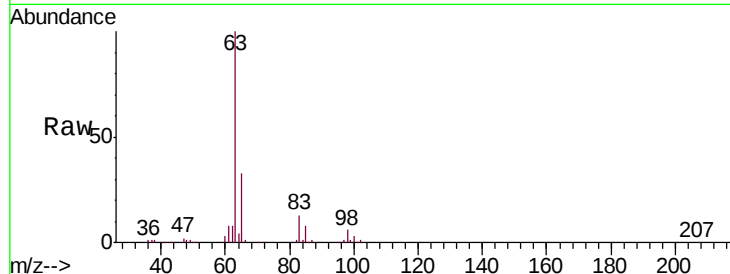




#19
 1,1-Dichloroethane
 Concen: 60.418 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU030779.D
 Acq: 06 Apr 2019 06:24

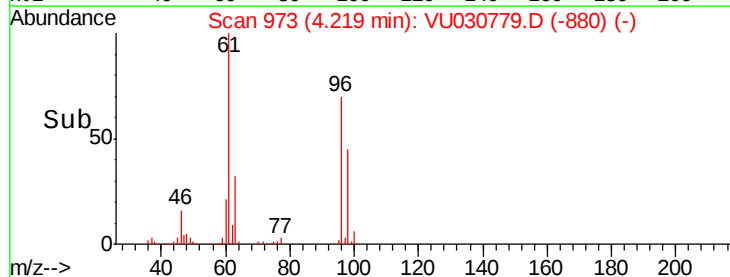
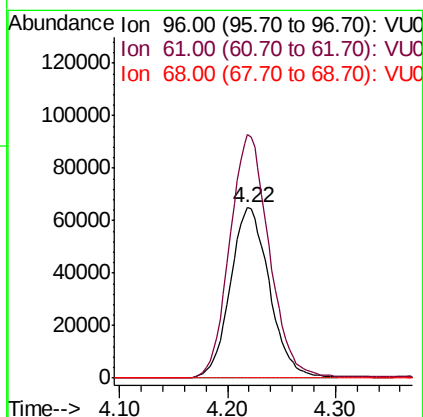
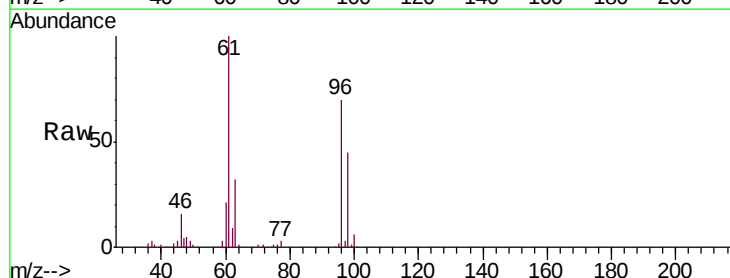
Instrument :
 MSVOA_U
 ClientSampled :
 E3YE2DL

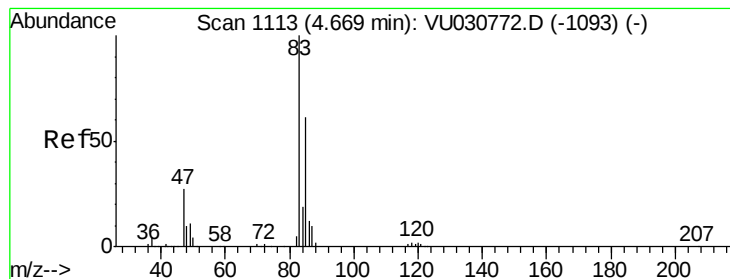
Tgt Ion: 63 Resp: 437027
 Ion Ratio Lower Upper
 63 100
 65 32.8 21.4 39.8
 83 13.0 8.5 15.7



#20
 cis-1,2-Dichloroethene
 Concen: 42.474 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU030779.D
 Acq: 06 Apr 2019 06:24

Tgt Ion: 96 Resp: 164381
 Ion Ratio Lower Upper
 96 100
 61 143.0 102.9 191.1
 68 0.0 0.0 0.0





#25

Chloroform

Concen: 5.643 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU030779.D

Acq: 06 Apr 2019 06:24

Instrument :

MSVOA_U

ClientSampleId :

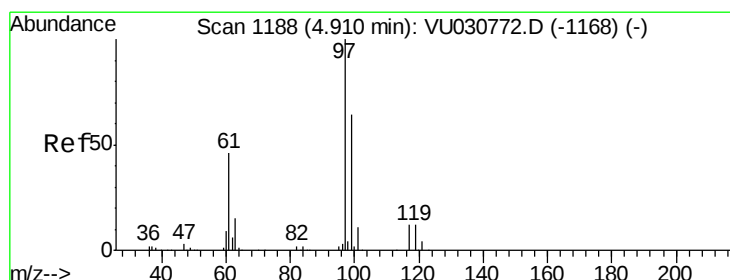
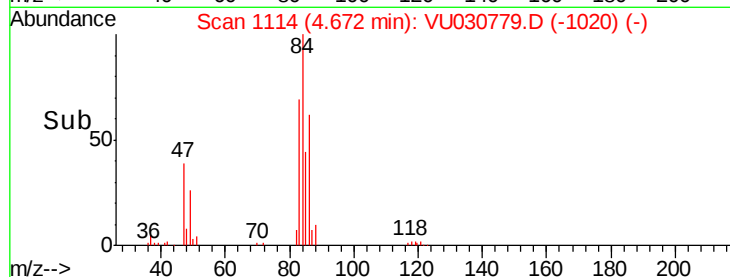
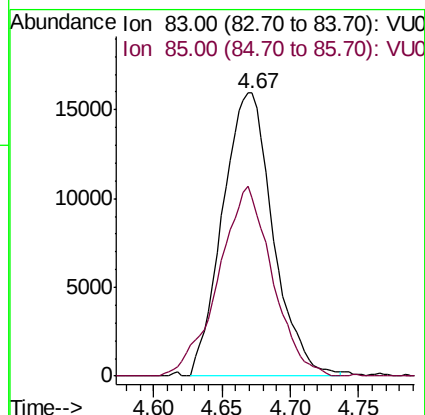
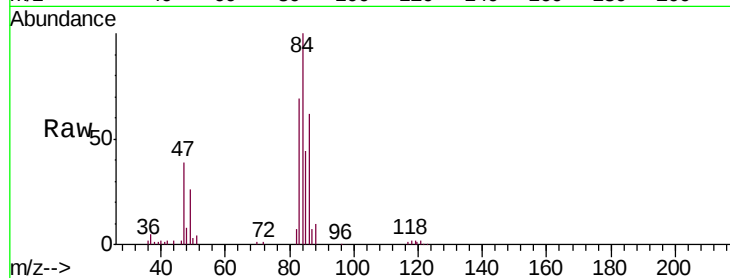
E3YE2DL

Tgt Ion: 83 Resp: 41023

Ion Ratio Lower Upper

83 100

85 63.1 45.8 85.0



#30

1,1,1-Trichloroethane

Concen: 4.837 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU030779.D

Acq: 06 Apr 2019 06:24

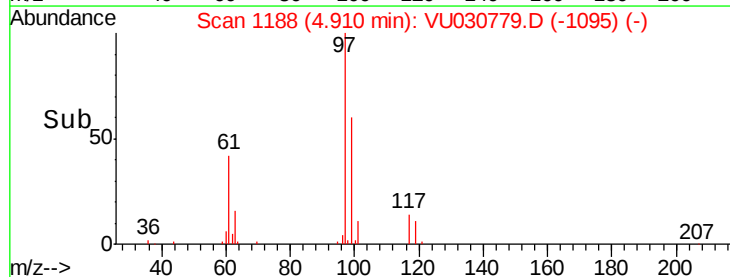
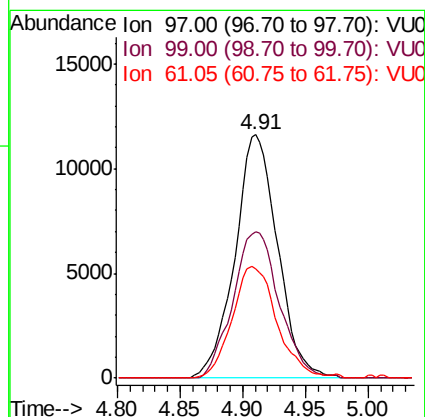
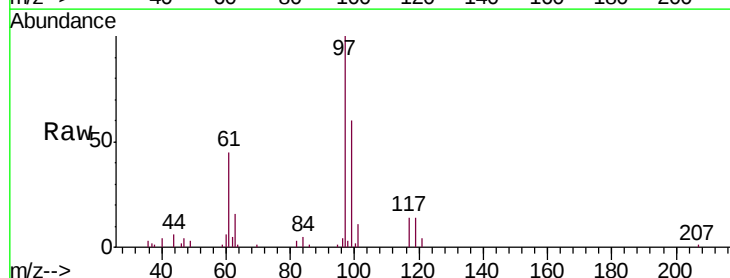
Tgt Ion: 97 Resp: 27447

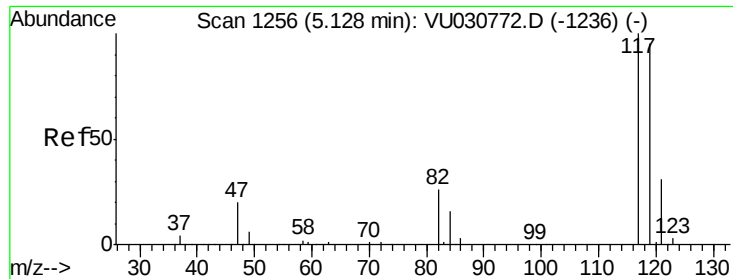
Ion Ratio Lower Upper

97 100

99 65.2 51.4 77.2

61 48.1 37.1 55.7





#31

Carbon tetrachloride

Concen: 0.736 ug/L

RT: 4.91 min Scan# 1187

Delta R.T. -0.22 min

Lab File: VU030779.D

Acq: 06 Apr 2019 06:24

Instrument :

MSVOA_U

ClientSampleId :

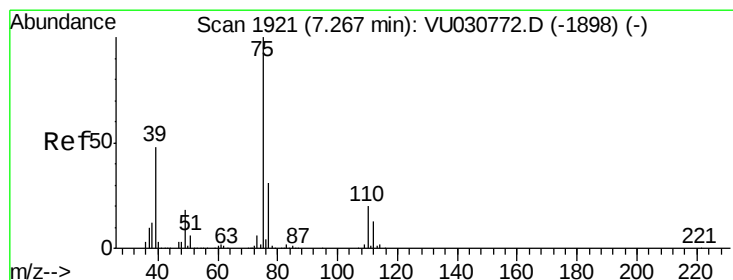
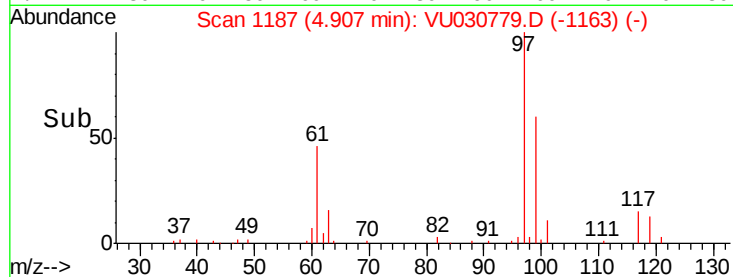
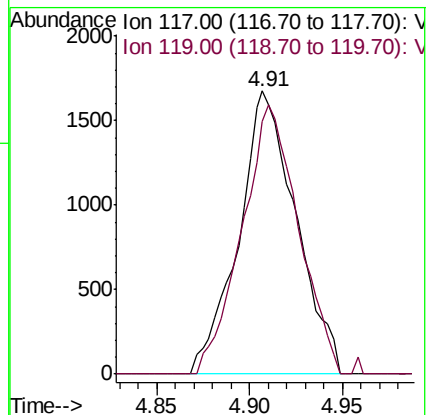
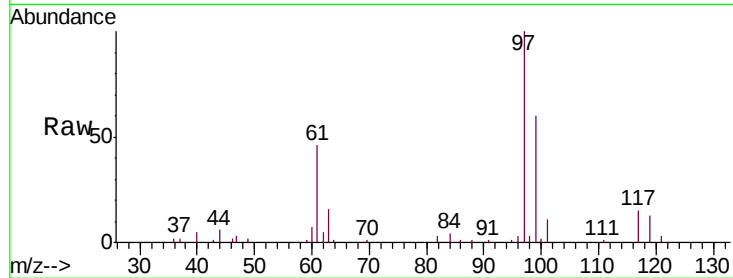
E3YE2DL

Tgt Ion:117 Resp: 3599

Ion Ratio Lower Upper

117 100

119 93.9 76.2 114.2



#39

cis-1,3-Dichloropropene

Concen: 0.736 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU030779.D

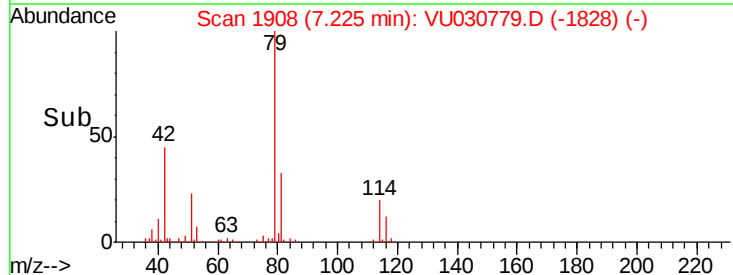
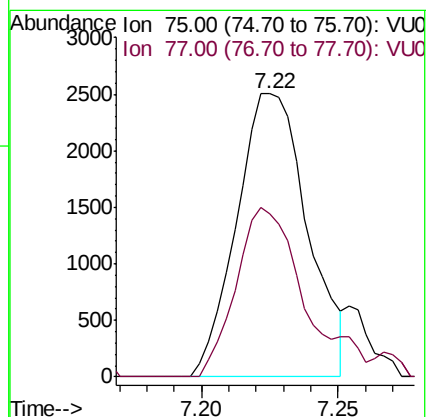
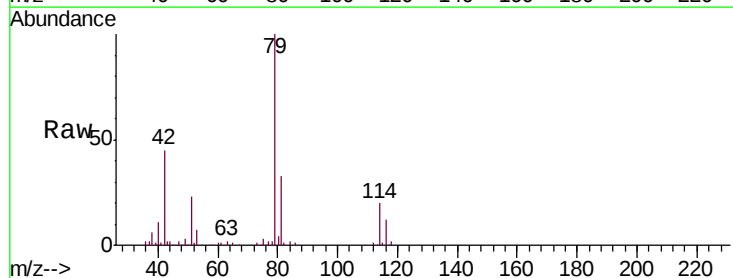
Acq: 06 Apr 2019 06:24

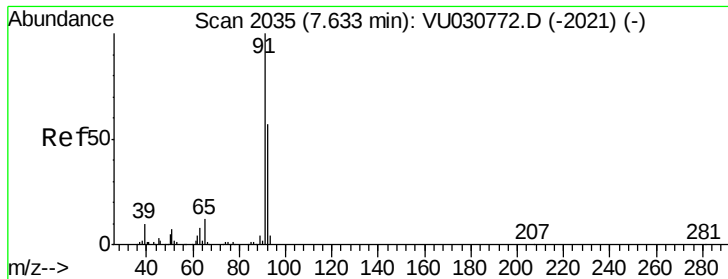
Tgt Ion: 75 Resp: 4518

Ion Ratio Lower Upper

75 100

77 57.7 23.1 42.9#





#42

Toluene

Concen: 1.122 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU030779.D

Acq: 06 Apr 2019 06:24

Instrument :

MSVOA_U

ClientSampleId :

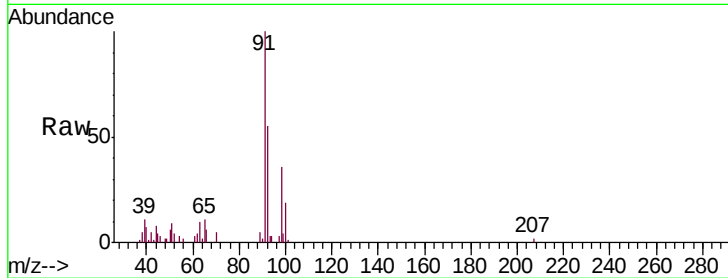
E3YE2DL

Tgt Ion: 91 Resp: 17457

Ion Ratio Lower Upper

91 100

92 55.0 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU030779.D (-2021) (-)

Ion 92.00 (91.70 to 92.70): VU030779.D (-2021) (-)

7.64

10000

8000

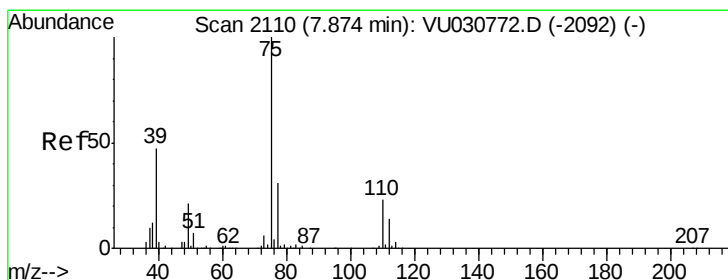
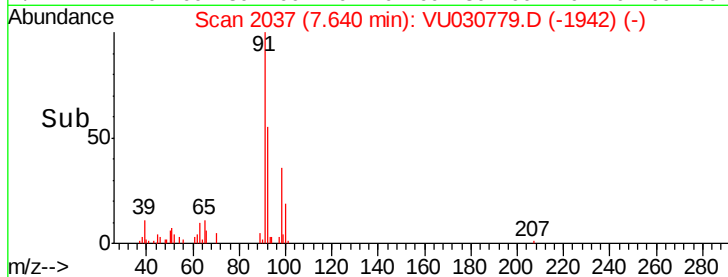
6000

4000

2000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.661 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.03 min

Lab File: VU030779.D

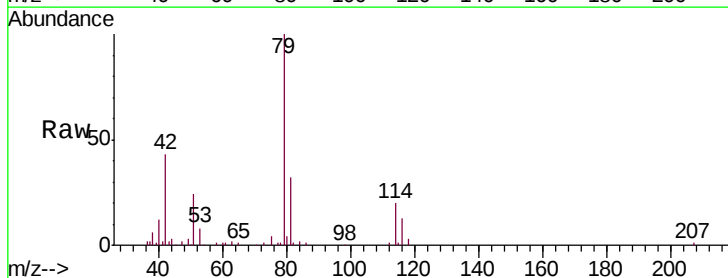
Acq: 06 Apr 2019 06:24

Tgt Ion: 75 Resp: 3577

Ion Ratio Lower Upper

75 100

77 39.5 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VU030779.D (-2017) (-)

Ion 77.00 (76.70 to 77.70): VU030779.D (-2017) (-)

2000

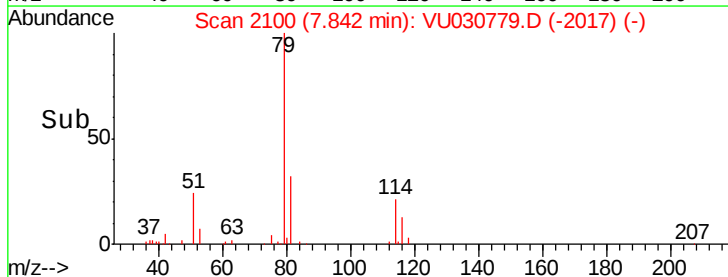
1500

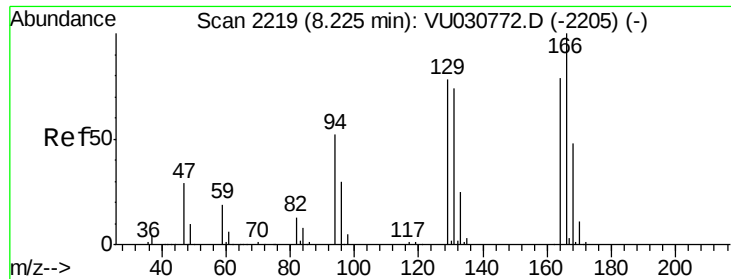
1000

500

0

Time-->

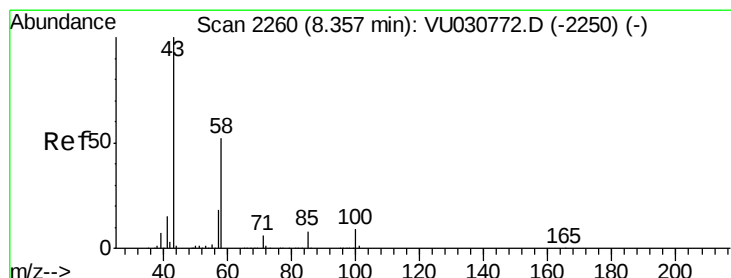
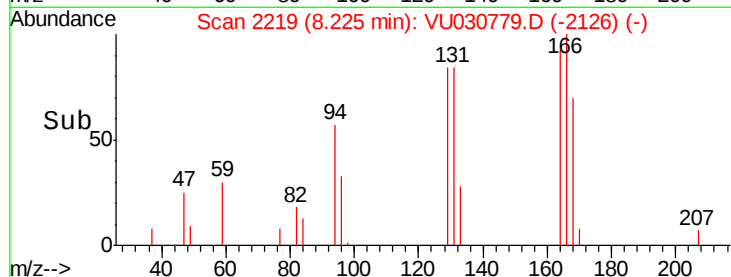
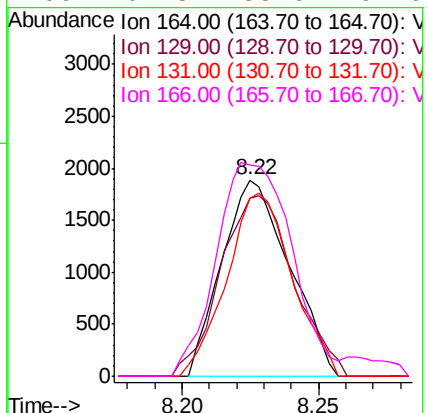
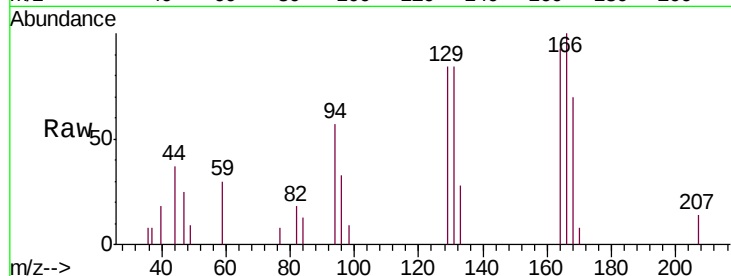




#46
Tetrachloroethene
Concen: 1.196 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU030779.D
Acq: 06 Apr 2019 06:24

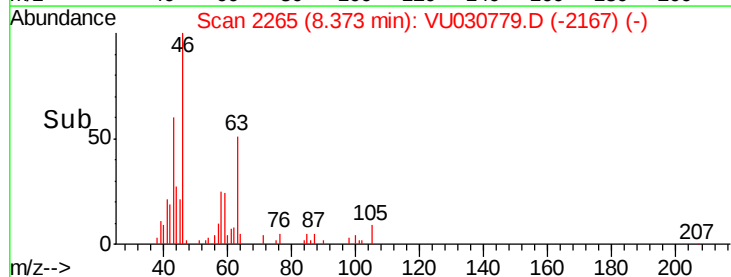
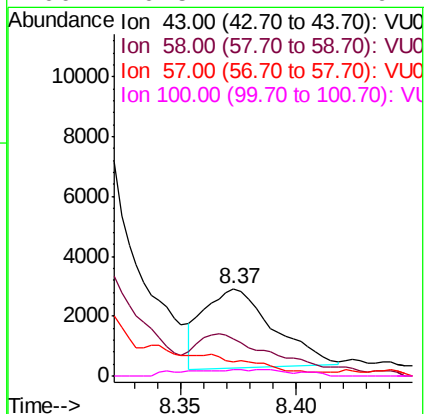
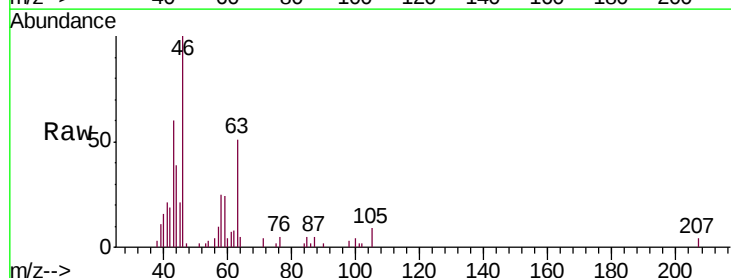
Instrument :
MSVOA_U
ClientSampleId :
E3YE2DL

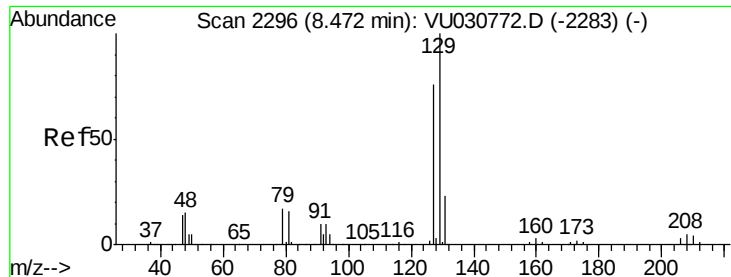
Tgt Ion:164 Resp: 3250
Ion Ratio Lower Upper
164 100
129 90.5 67.4 125.2
131 90.8 65.9 122.5
166 107.8 88.6 164.6



#48
2-Hexanone
Concen: 1.017 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.02 min
Lab File: VU030779.D
Acq: 06 Apr 2019 06:24

Tgt Ion: 43 Resp: 5503
Ion Ratio Lower Upper
43 100
58 44.6 41.9 62.9
57 0.0 14.3 21.5#
100 0.5 7.1 10.7#





#49

Dibromochloromethane

Concen: 0.829 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. -0.24 min

Lab File: VU030779.D

Acq: 06 Apr 2019 06:24

Instrument :

MSVOA_U

ClientSampleId :

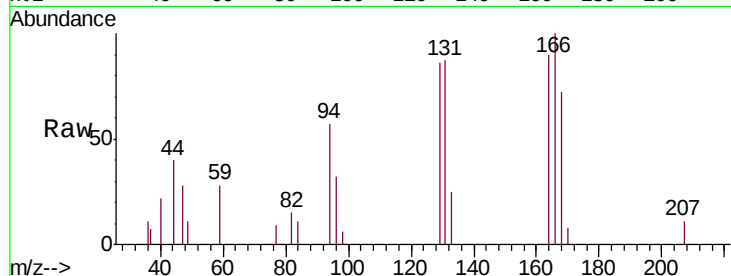
E3YE2DL

Tgt Ion:129 Resp: 3220

Ion Ratio Lower Upper

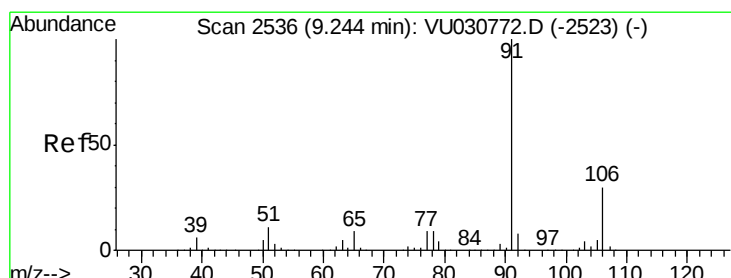
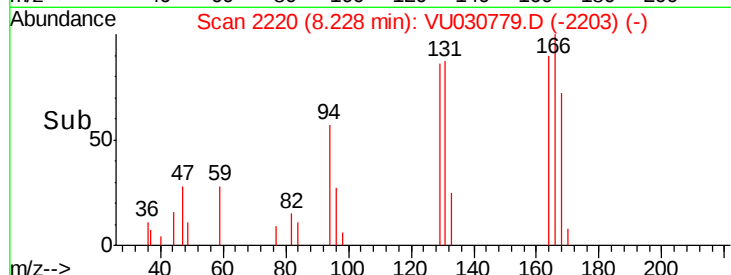
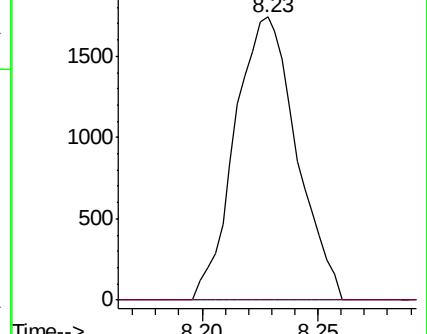
129 100

127 0.0 54.5 101.3#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#52

Ethylbenzene

Concen: 1.149 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.01 min

Lab File: VU030779.D

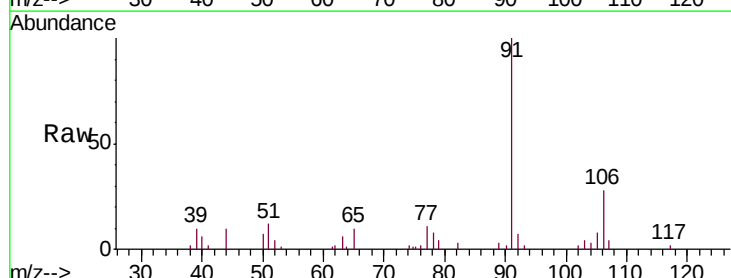
Acq: 06 Apr 2019 06:24

Tgt Ion: 91 Resp: 19477

Ion Ratio Lower Upper

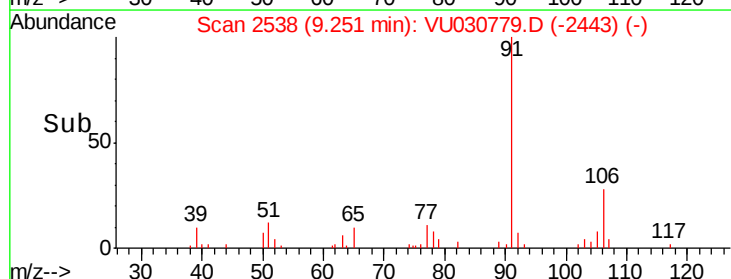
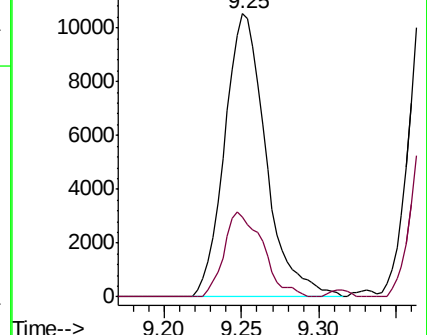
91 100

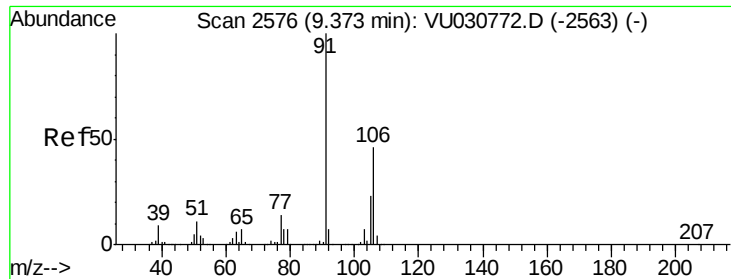
106 28.4 20.4 37.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 2.391 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU030779.D

Acq: 06 Apr 2019 06:24

Instrument :

MSVOA_U

ClientSampleId :

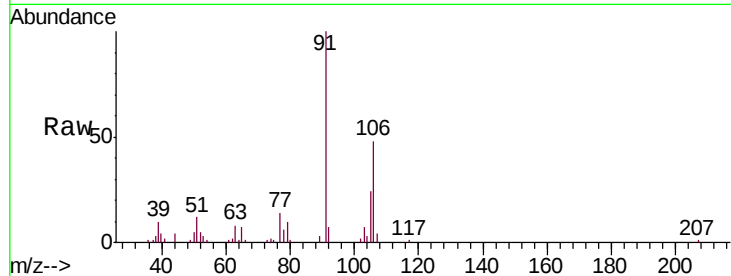
E3YE2DL

Tgt Ion:106 Resp: 14141

Ion Ratio Lower Upper

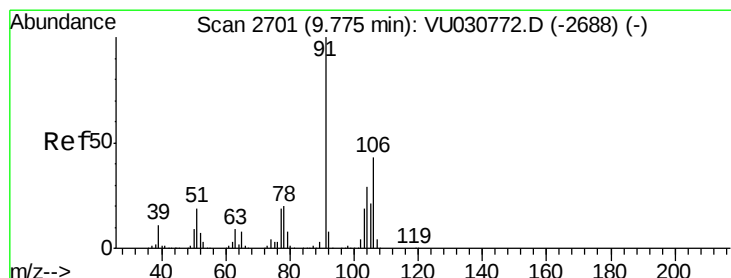
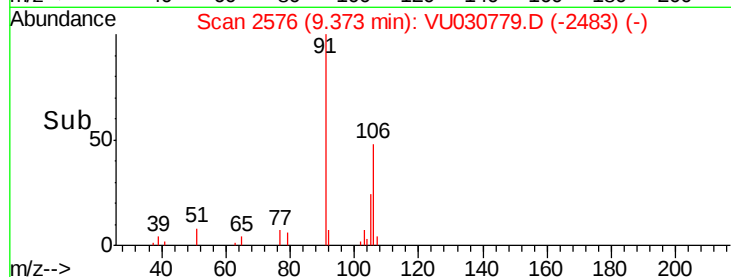
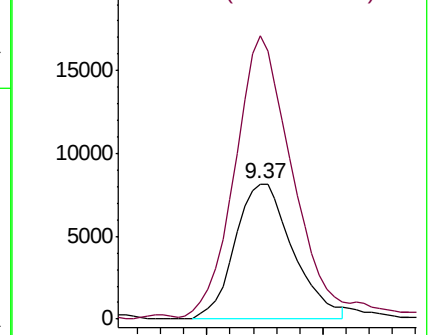
106 100

91 209.3 148.0 274.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 1.871 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU030779.D

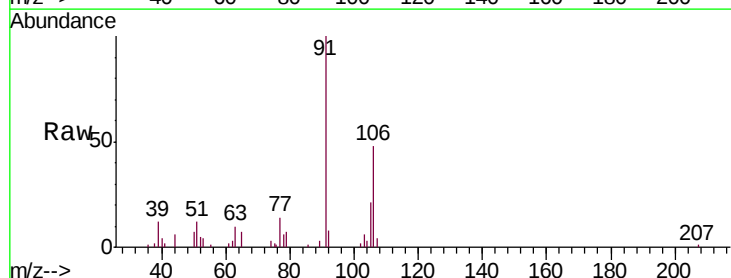
Acq: 06 Apr 2019 06:24

Tgt Ion:106 Resp: 11007

Ion Ratio Lower Upper

106 100

91 206.7 156.7 290.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

