

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041319\
 Data File : VU031159.D
 Acq On : 13 Apr 2019 16:17
 Operator : JC/SP
 Sample : K2341-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB728

Quant Time: Apr 13 22:31:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 13 22:25:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	468303	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	463771	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	180165	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	197052	47.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.28%
7) Chloroethane-d5	1.66	69	157395	49.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.22%
11) 1,1-Dichloroethene-d2	2.26	63	267790	35.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.84%
21) 2-Butanone-d5	4.17	46	308779	93.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.20%
24) Chloroform-d	4.64	84	328196	51.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.78%
26) 1,2-Dichloroethane-d4	5.30	65	221359	50.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.60%
32) Benzene-d6	5.33	84	660195	48.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.52%
36) 1,2-Dichloropropane-d6	6.32	67	221400	47.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.44%
41) Toluene-d8	7.56	98	541479	45.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.24%
43) trans-1,3-Dichloropropene-	7.85	79	96469	45.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.20%
47) 2-Hexanone-d5	8.31	63	185363	87.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.41%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	306683	49.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	197363	55.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.40%

Target Compounds

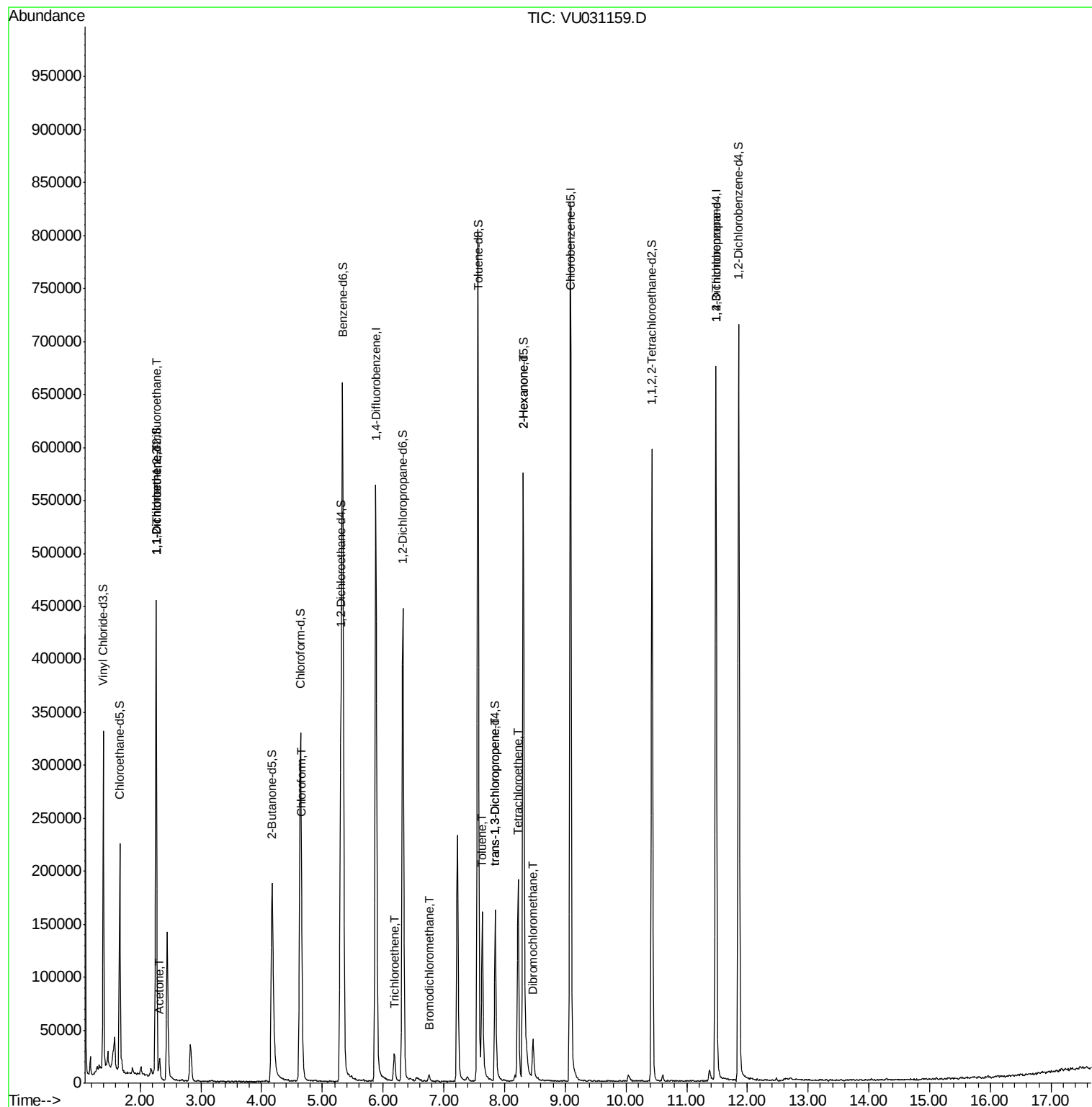
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2571	0.767	ug/L #	20
12) 1,1-Dichloroethene	2.26	96	2119	0.655	ug/L #	1
13) Acetone	2.32	43	16818	4.961	ug/L	97
25) Chloroform	4.67	83	22813	3.200	ug/L	98
34) Trichloroethene	6.19	95	8737	2.347	ug/L	86
38) Bromodichloromethane	6.76	83	5446	1.050	ug/L #	83
42) Toluene	7.63	91	114851	7.414	ug/L	98
44) trans-1,3-Dichloropropene	7.85	75	3773	0.700	ug/L	83
46) Tetrachloroethene	8.22	164	43665	16.135	ug/L	97
48) 2-Hexanone	8.31	43	23626	4.382	ug/L #	79
49) Dibromochloromethane	8.48	129	2480	0.641	ug/L	83
59) 1,2,3-Trichloropropane	11.48	75	21361	4.150	ug/L	89

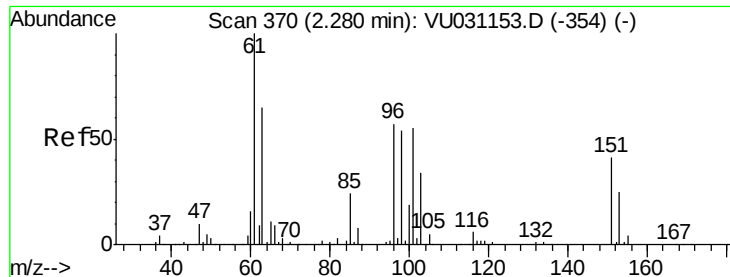
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.767 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU031159.D

Acq: 13 Apr 2019 16:17

Instrument :

MSVOA_U

ClientSampleId :

DB728

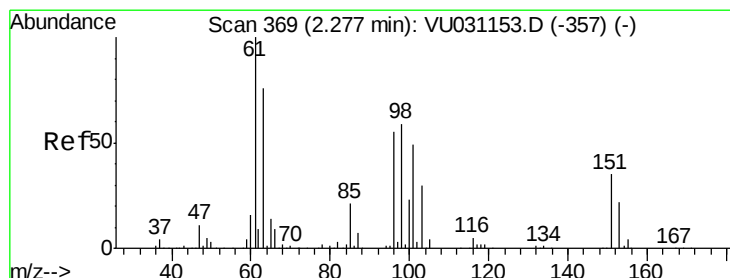
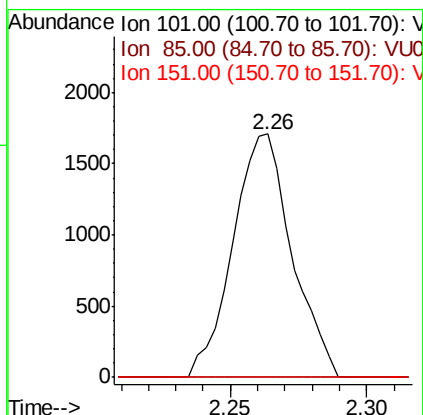
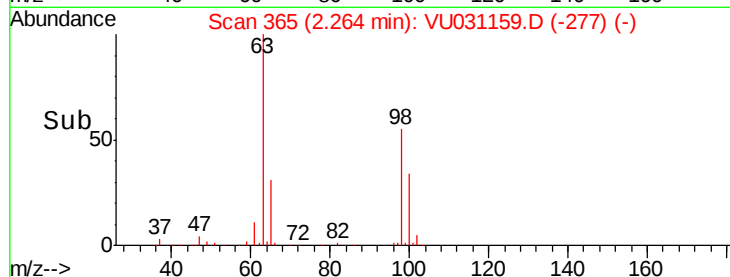
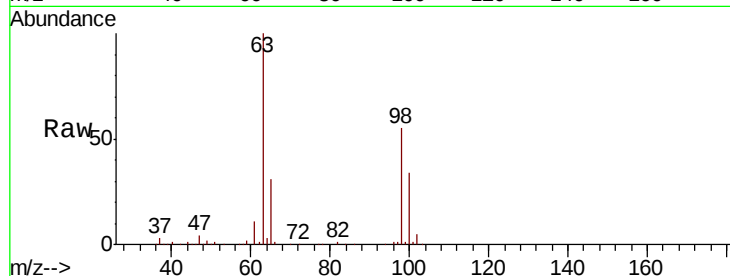
Tot Ion:101 Resp: 2571

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: 0.655 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: VU031159.D

Acq: 13 Apr 2019 16:17

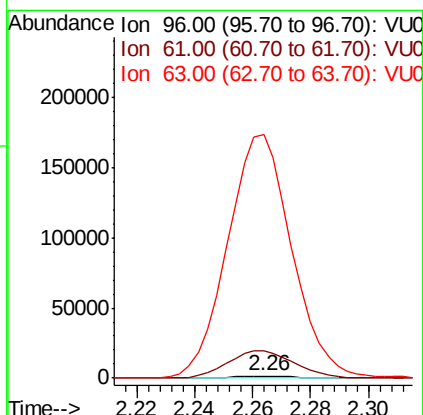
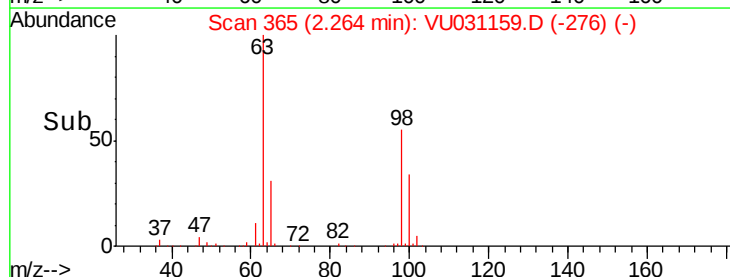
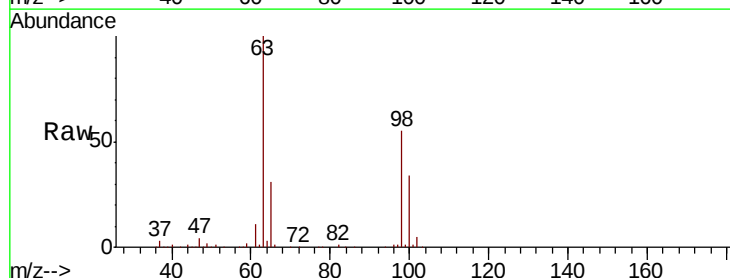
Tgt Ion: 96 Resp: 2119

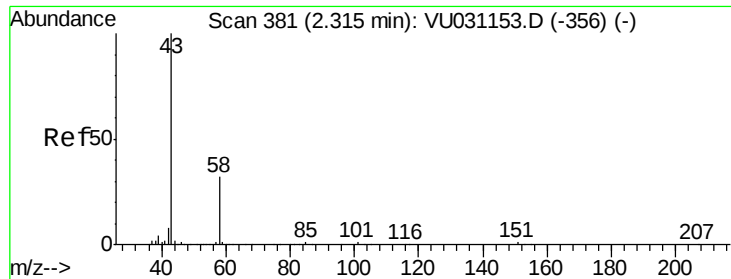
Ion Ratio Lower Upper

96 100

61 1193.6 132.0 245.2#

63 10704.8 90.9 168.9#





#13

Acetone

Concen: 4.961 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031159.D

Acq: 13 Apr 2019 16:17

Instrument :

MSVOA_U

ClientSampleId :

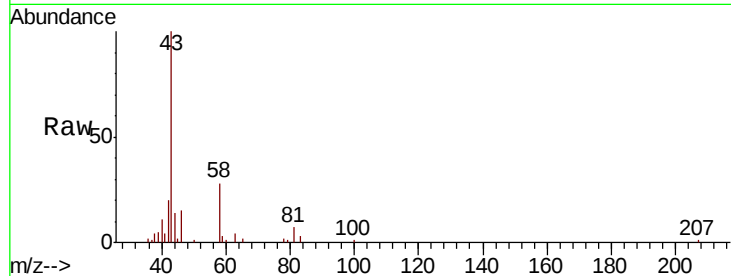
DB728

Tot Ion: 43 Resp: 16818

Ion Ratio Lower Upper

43 100

58 30.4 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU031153.D (-356) (-)

Ion 58.00 (57.70 to 58.70): VU031153.D (-356) (-)

2.32

10000

8000

6000

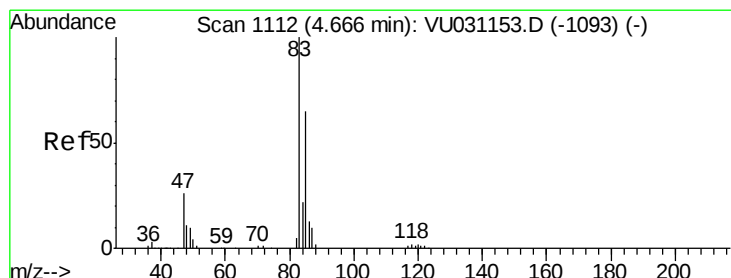
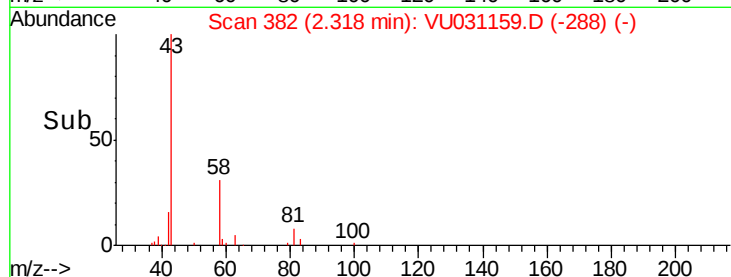
4000

2000

0

2.25 2.30 2.35

Time-->



#25

Chloroform

Concen: 3.200 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VU031159.D

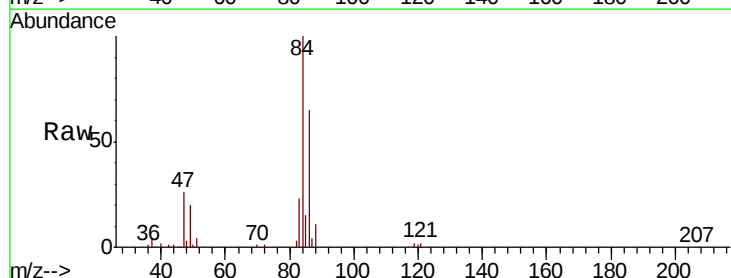
Acq: 13 Apr 2019 16:17

Tgt Ion: 83 Resp: 22813

Ion Ratio Lower Upper

83 100

85 66.8 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VU031153.D (-1093) (-)

Ion 85.00 (84.70 to 85.70): VU031153.D (-1093) (-)

4.67

10000

8000

6000

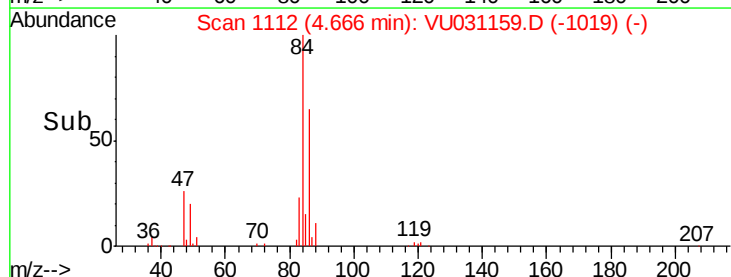
4000

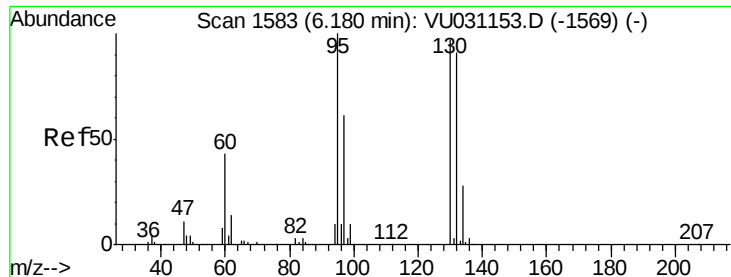
2000

0

4.60 4.65 4.70 4.75

Time-->





#34

Trichloroethene

Concen: 2.347 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU031159.D

Acq: 13 Apr 2019 16:17

Instrument :

MSVOA_U

ClientSampleId :

DB728

Tot Ion: 95 Resp: 8737

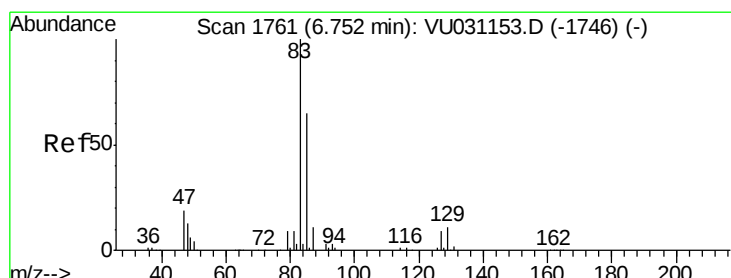
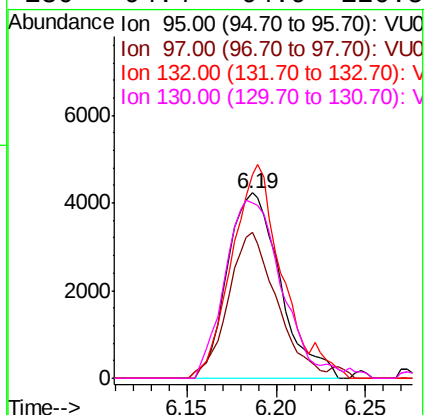
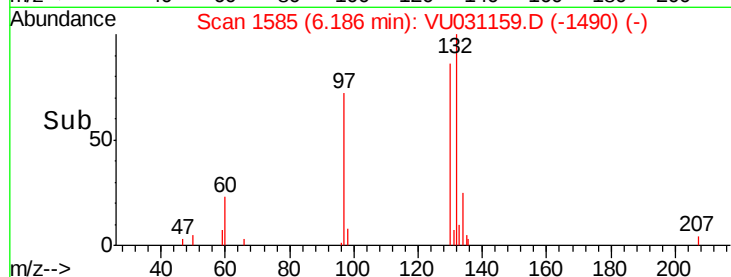
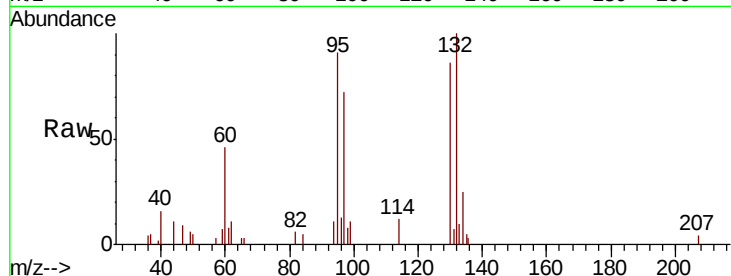
Ion Ratio Lower Upper

95 100

97 78.8 44.5 82.7

132 109.8 61.5 114.1

130 94.4 64.9 120.5



#38

Bromodichloromethane

Concen: 1.050 ug/L

RT: 6.76 min Scan# 1763

Delta R.T. 0.01 min

Lab File: VU031159.D

Acq: 13 Apr 2019 16:17

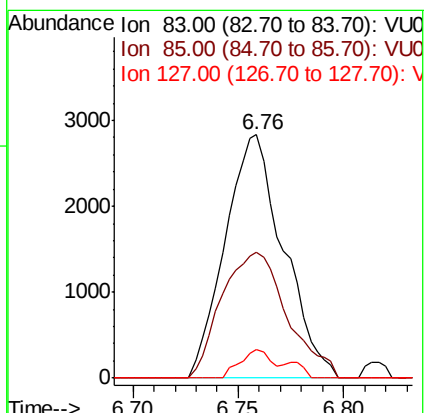
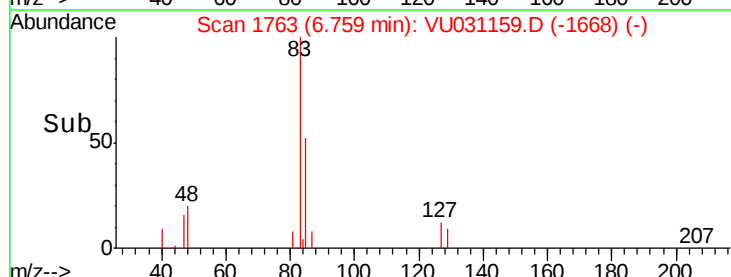
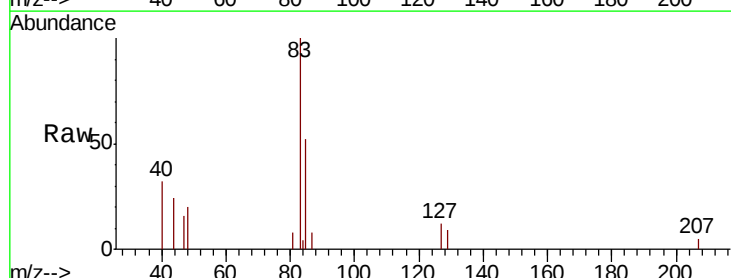
Tgt Ion: 83 Resp: 5446

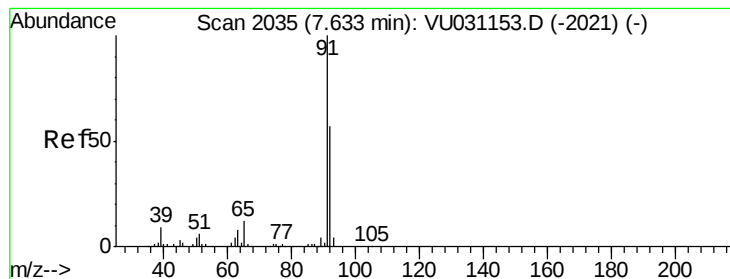
Ion Ratio Lower Upper

83 100

85 51.7 46.5 86.3

127 11.9 6.6 10.0#





#42

Toluene

Concen: 7.414 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU031159.D

Acq: 13 Apr 2019 16:17

Instrument :

MSVOA_U

ClientSampleId :

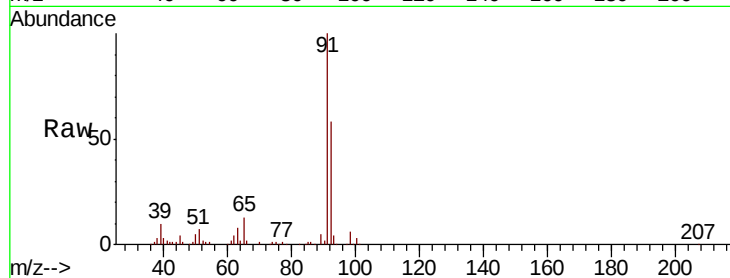
DB728

Tot Ion: 91 Resp: 114851

Ion Ratio Lower Upper

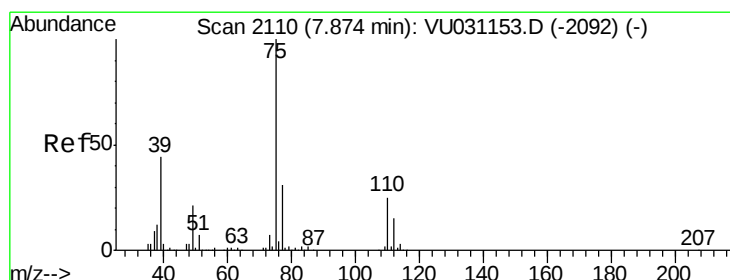
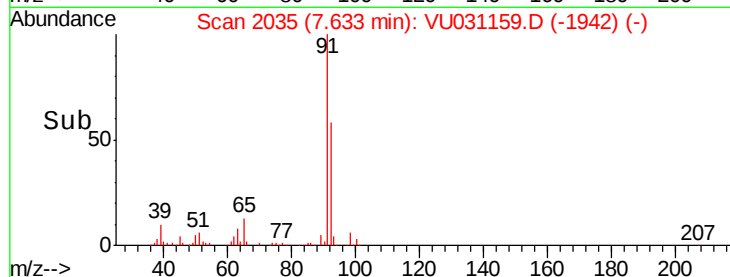
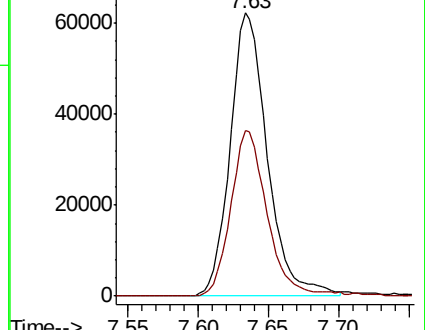
91 100

92 58.5 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU031159.D (-1942) (-)

Ion 92.00 (91.70 to 92.70): VU031159.D (-1942) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.700 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU031159.D

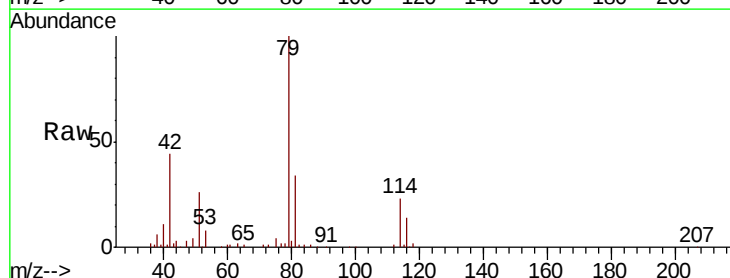
Acq: 13 Apr 2019 16:17

Tgt Ion: 75 Resp: 3773

Ion Ratio Lower Upper

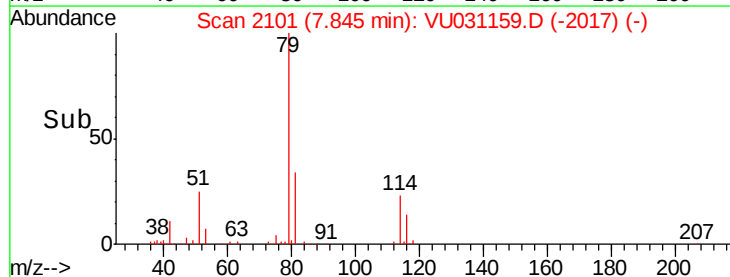
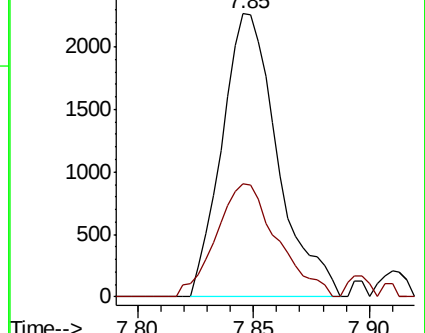
75 100

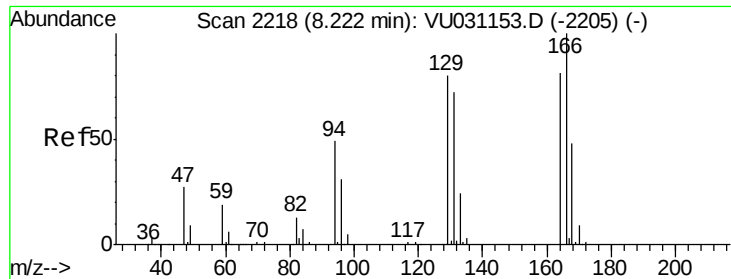
77 39.9 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VU031159.D (-2017) (-)

Ion 77.00 (76.70 to 77.70): VU031159.D (-2017) (-)

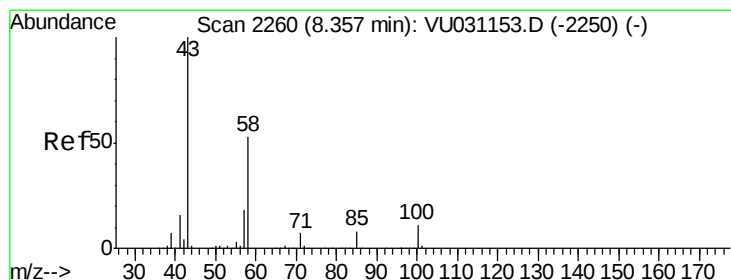
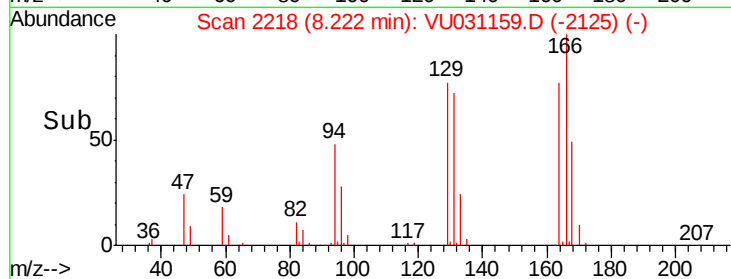
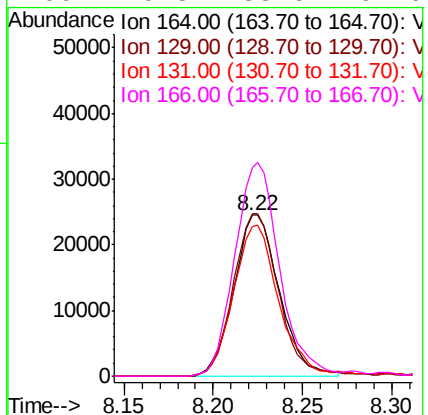
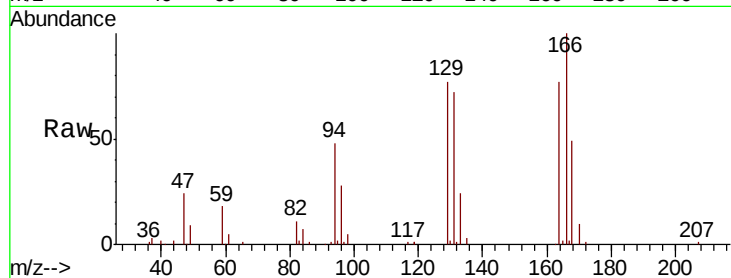




#46
Tetrachloroethene
Concen: 16.135 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU031159.D
Acq: 13 Apr 2019 16:17

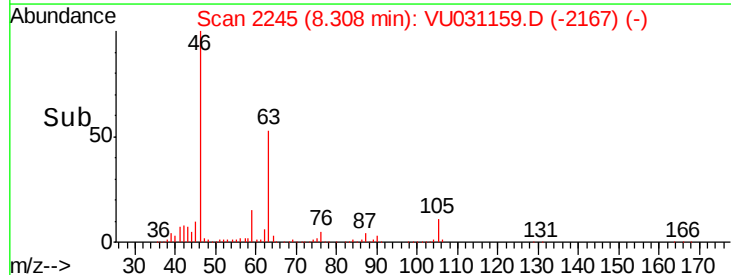
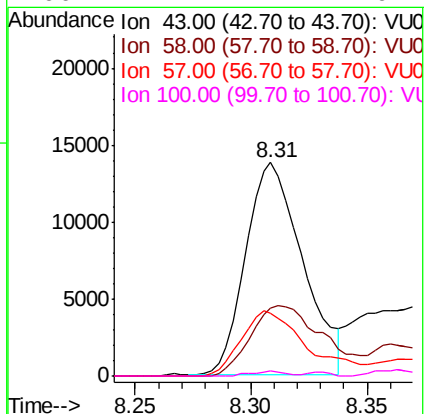
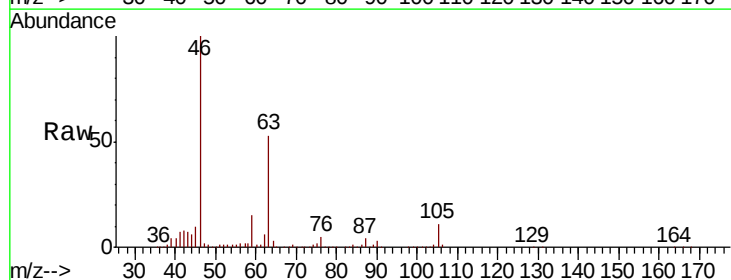
Instrument :
MSVOA_U
ClientSampled :
DB728

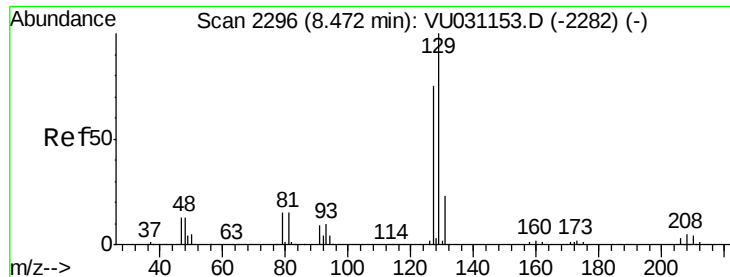
Tot Ion:164	Resp:	43665
Ion	Ratio	Lower Upper
164	100	
129	100.6	67.4 125.2
131	93.1	65.9 122.5
166	129.8	88.6 164.6



#48
2-Hexanone
Concen: 4.382 ug/L
RT: 8.31 min Scan# 2245
Delta R.T. -0.05 min
Lab File: VU031159.D
Acq: 13 Apr 2019 16:17

Tgt Ion: 43	Resp:	23626
Ion	Ratio	Lower Upper
43	100	
58	42.1	41.9 62.9
57	35.5	14.3 21.5#
100	1.4	7.1 10.7#





#49

Dibromochloromethane

Concen: 0.641 ug/L

RT: 8.48 min Scan# 2298

Delta R.T. 0.01 min

Lab File: VU031159.D

Acq: 13 Apr 2019 16:17

Instrument :

MSVOA_U

ClientSampleId :

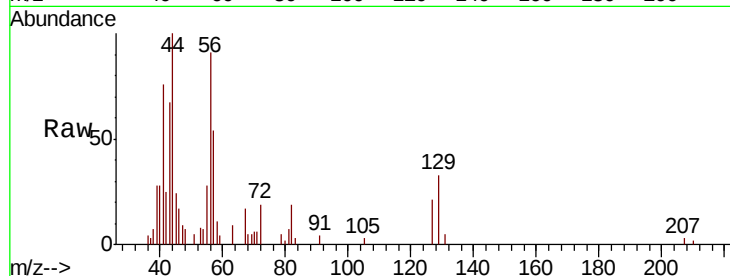
DB728

Tot Ion:129 Resp: 2480

Ion Ratio Lower Upper

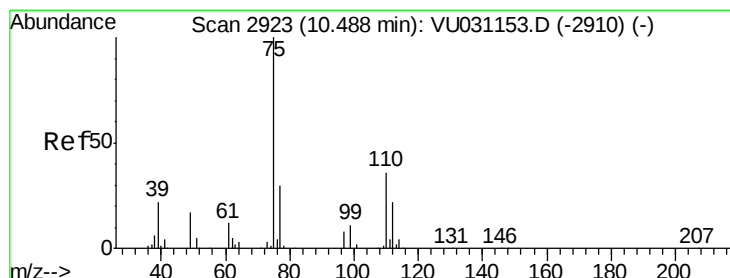
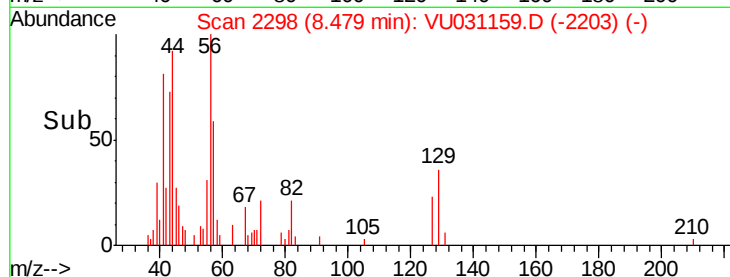
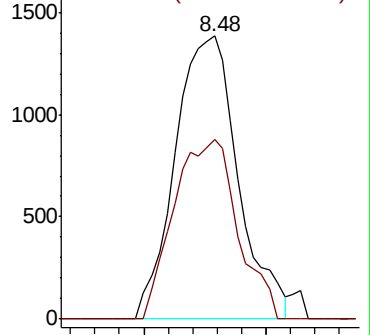
129 100

127 63.3 54.5 101.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 4.150 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031159.D

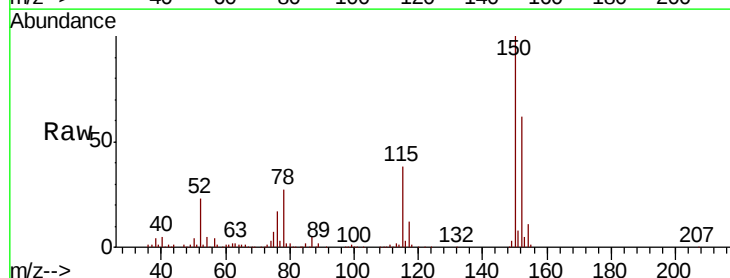
Acq: 13 Apr 2019 16:17

Tgt Ion: 75 Resp: 21361

Ion Ratio Lower Upper

75 100

77 38.6 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

