

Data File : VU029564.D
Acq On : 19 Feb 2019 18:50
Operator : JC/SP
Sample : K1488-11DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXE7DL

Quant Time: Feb 20 00:13:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Feb 20 00:07:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	204693	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	199937	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	106216	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	51136	3.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.40%
7) Chloroethane-d5	1.68	69	50576	4.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.20%
11) 1,1-Dichloroethene-d2	2.27	63	83855	2.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.00%#
20) 2-Butanone-d5	4.19	46	155951	54.54	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.08%
24) Chloroform-d	4.64	84	96467	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
26) 1,2-Dichloroethane-d4	5.31	65	56003	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.34	84	207811	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
36) 1,2-Dichloropropane-d6	6.33	67	66891	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.56	98	196949	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
43) trans-1,3-Dichloropropene-	7.85	79	25626	4.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.80%
46) 2-Hexanone-d5	8.31	63	147895	50.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.24%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	59971	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	89996	4.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.80%

Target Compounds

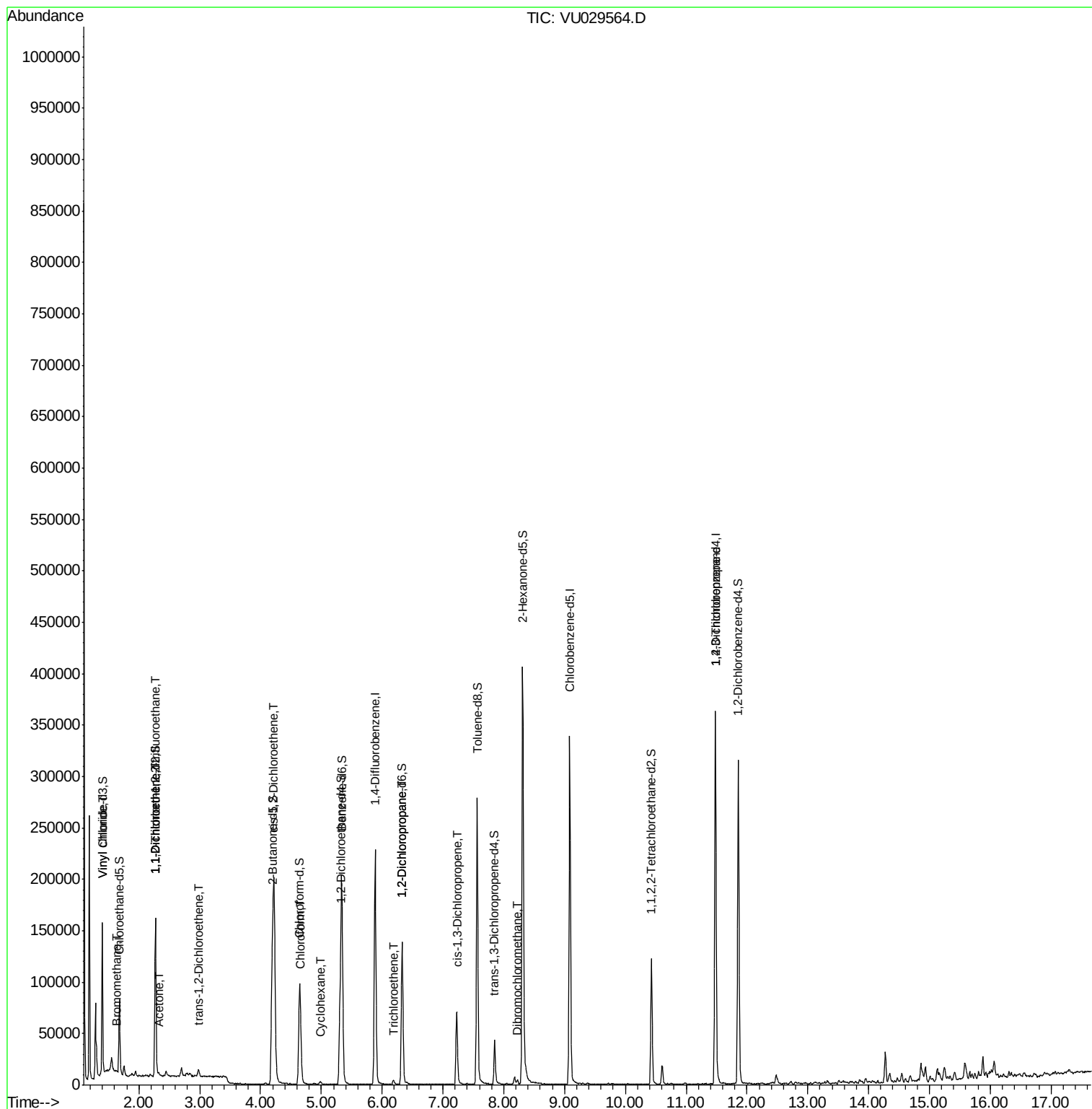
						Qvalue
5) Vinyl chloride	1.40	62	2385	0.121	ug/L #	1
6) Bromomethane	1.63	94	560	0.049	ug/L	89
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	817	0.046	ug/L #	16
12) 1,1-Dichloroethene	2.27	96	1162	0.069	ug/L #	1
13) Acetone	2.32	43	1885	0.726	ug/L	90
18) trans-1,2-Dichloroethene	2.98	96	2366	0.132	ug/L	90
22) cis-1,2-Dichloroethene	4.22	96	102057	6.177	ug/L	93
25) Chloroform	4.67	83	8334	0.308	ug/L	96
30) Cyclohexane	4.99	56	1541	0.065	ug/L #	72
34) Trichloroethene	6.18	95	1711	0.103	ug/L	93
37) 1,2-Dichloropropane	6.33	63	7722	0.524	ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	1505	0.065	ug/L #	41
49) Dibromochloromethane	8.22	129	780	0.051	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	10661	1.127	ug/L	98

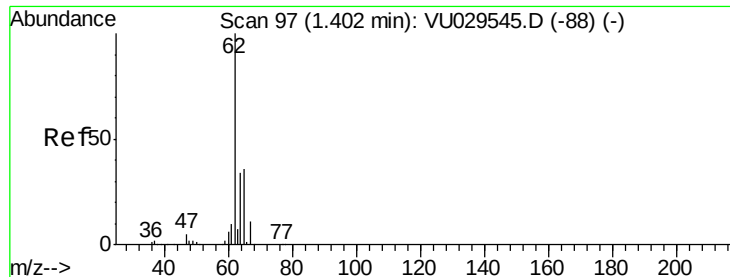
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.121 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029564.D

Acq: 19 Feb 2019 18:50

Instrument :

MSVOA_U

ClientSampleId :

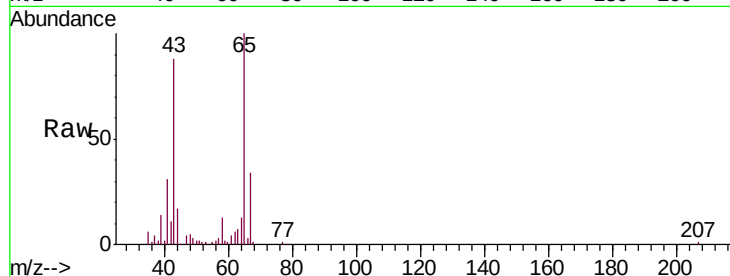
ESXE7DL

Tgt Ion: 62 Resp: 2385

Ion Ratio Lower Upper

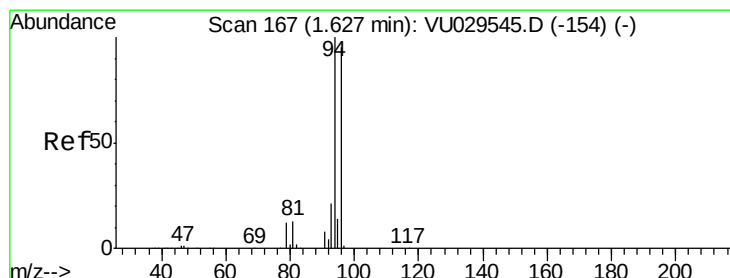
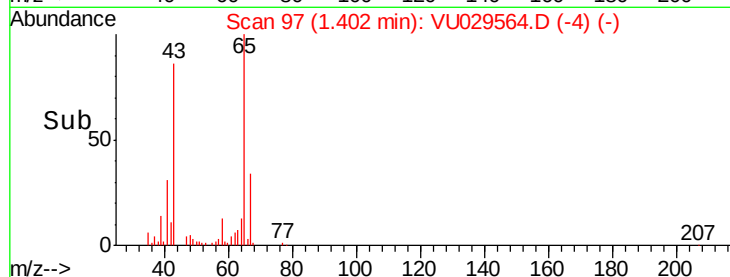
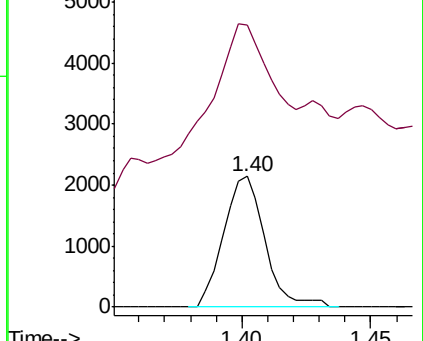
62 100

64 216.7 23.5 43.7#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.049 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU029564.D

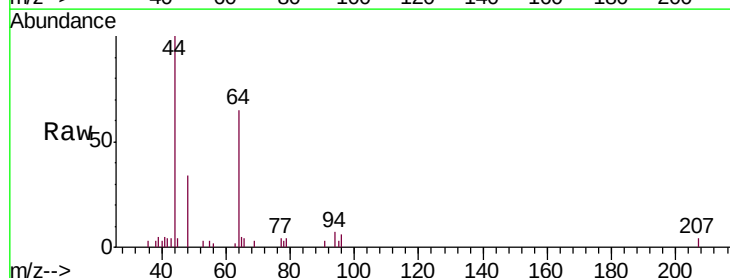
Acq: 19 Feb 2019 18:50

Tgt Ion: 94 Resp: 560

Ion Ratio Lower Upper

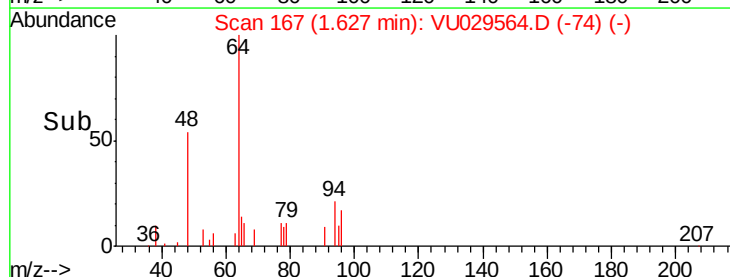
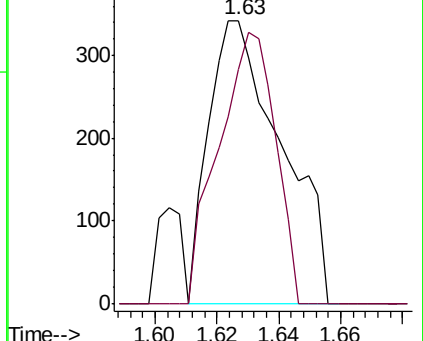
94 100

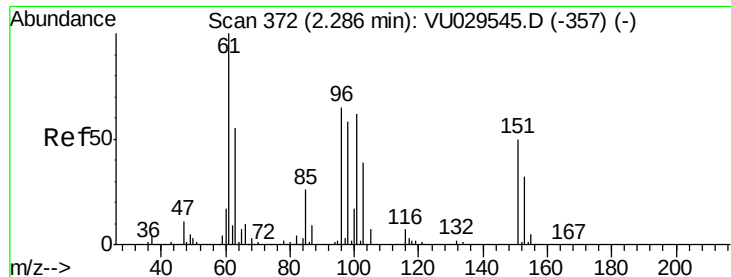
96 82.8 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#10

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

Concen: 0.046 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029564.D

Acq: 19 Feb 2019 18:50

Instrument :

MSVOA_U

ClientSampleId :

ESXE7DL

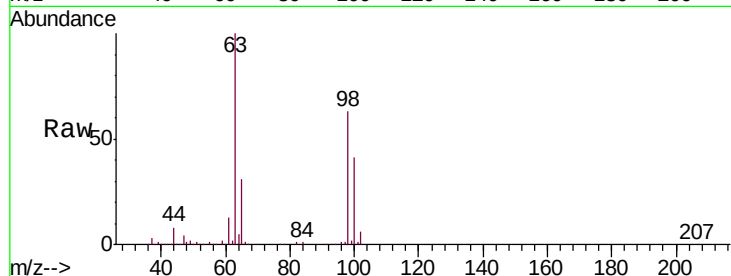
Tgt Ion: 101 Resp: 817

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

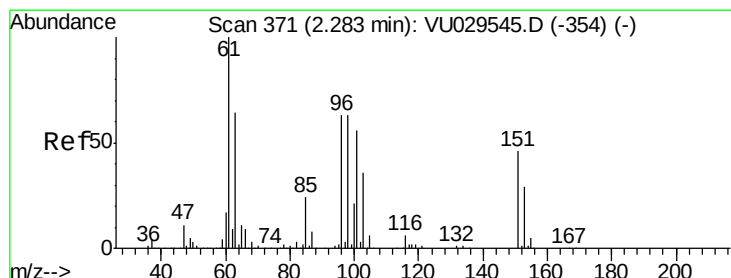
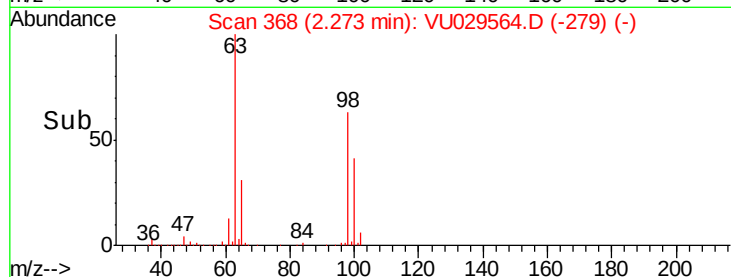
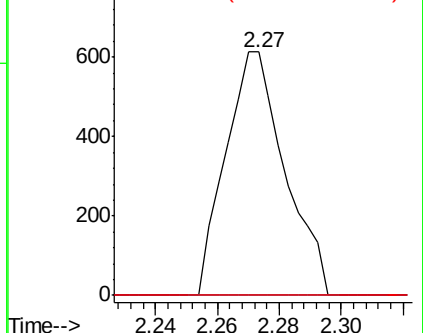
151 0.0 67.0 100.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.069 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029564.D

Acq: 19 Feb 2019 18:50

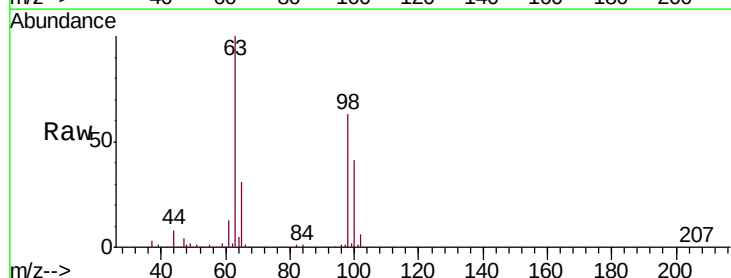
Tgt Ion: 96 Resp: 1162

Ion Ratio Lower Upper

96 100

61 1035.0 115.1 213.7#

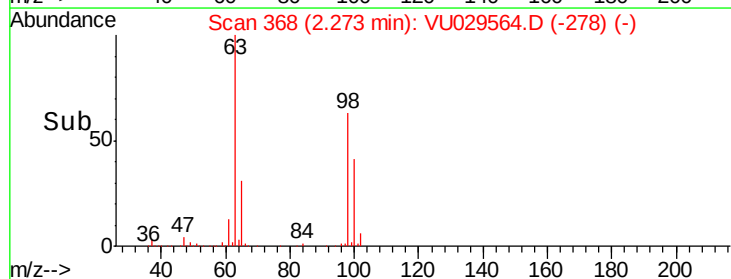
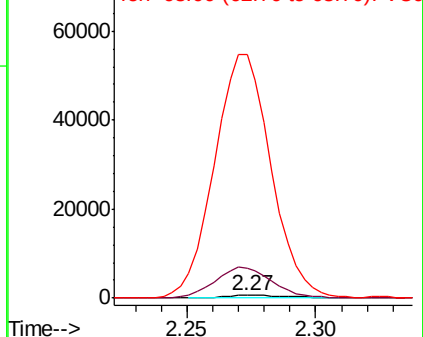
63 8263.4 83.5 155.1#

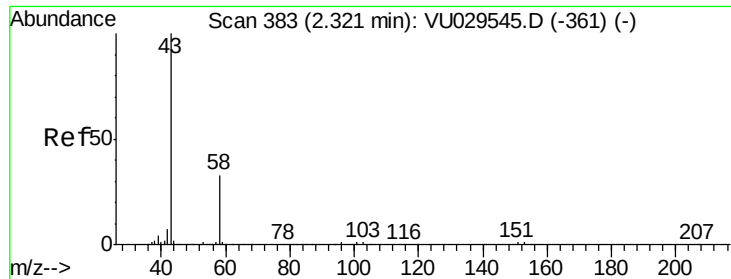


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.726 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029564.D

Acq: 19 Feb 2019 18:50

Instrument :

MSVOA_U

ClientSampleId :

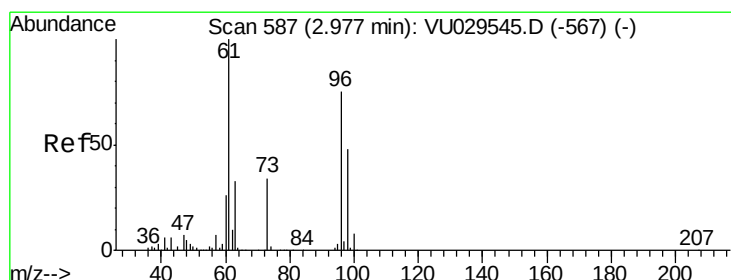
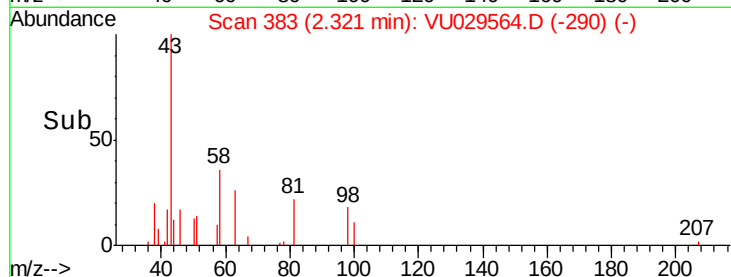
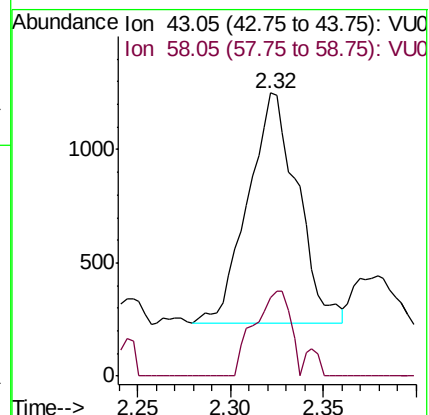
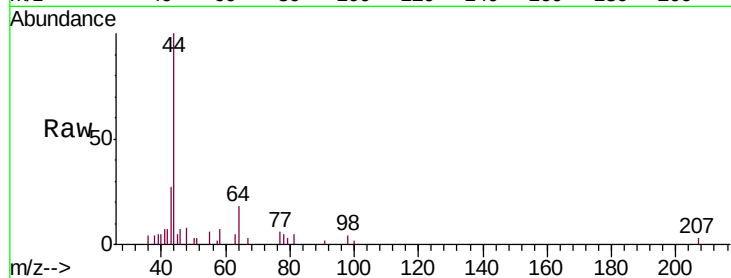
ESXE7DL

Tgt Ion: 43 Resp: 1885

Ion Ratio Lower Upper

43 100

58 27.2 0.0 65.0



#18

trans-1,2-Dichloroethene

Concen: 0.132 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU029564.D

Acq: 19 Feb 2019 18:50

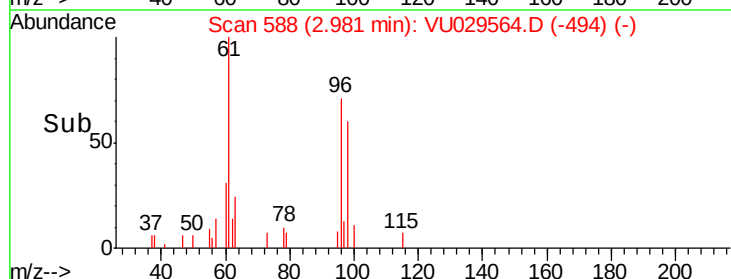
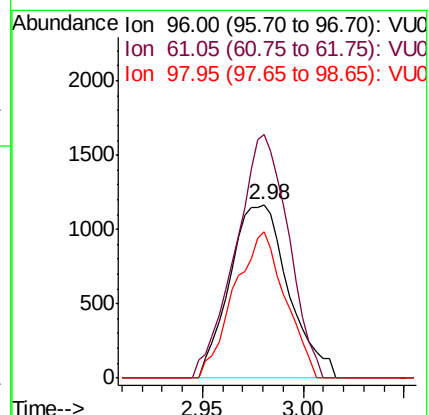
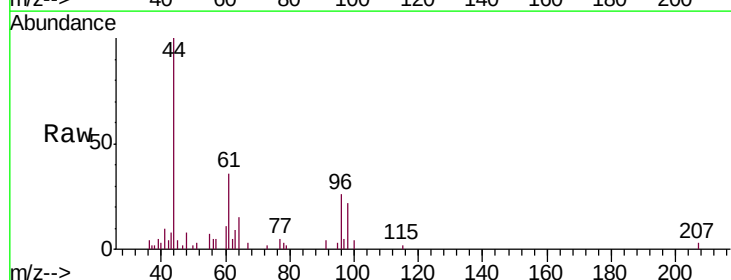
Tgt Ion: 96 Resp: 2366

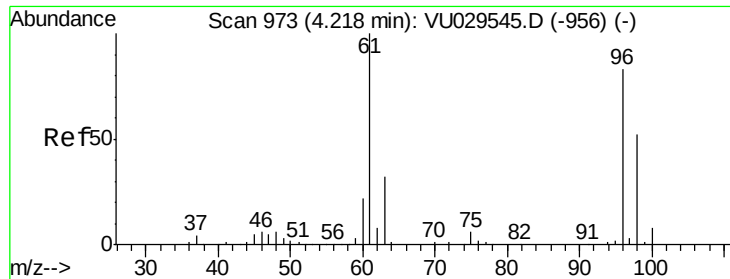
Ion Ratio Lower Upper

96 100

61 140.2 95.4 177.2

98 84.3 45.8 85.2





#22

cis-1,2-Dichloroethene

Concen: 6.177 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029564.D

Acq: 19 Feb 2019 18:50

Instrument :

MSVOA_U

ClientSampleId :

ESXE7DL

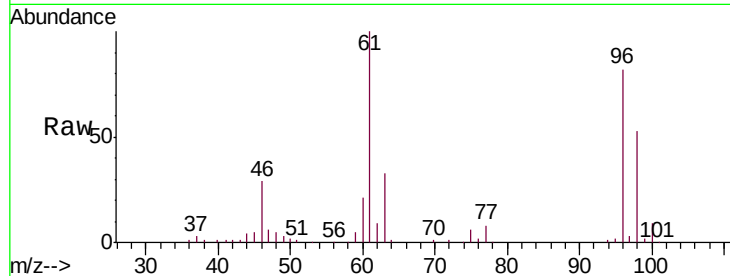
Tgt Ion: 96 Resp: 102057

Ion Ratio Lower Upper

96 100

61 121.4 79.9 148.5

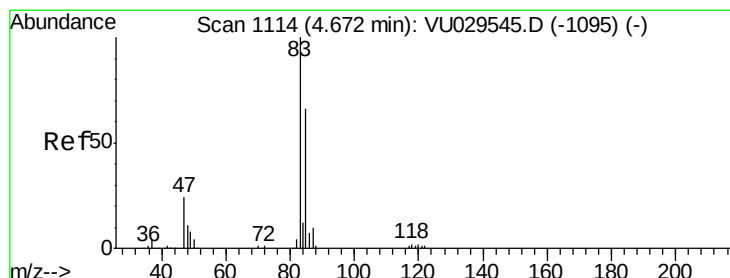
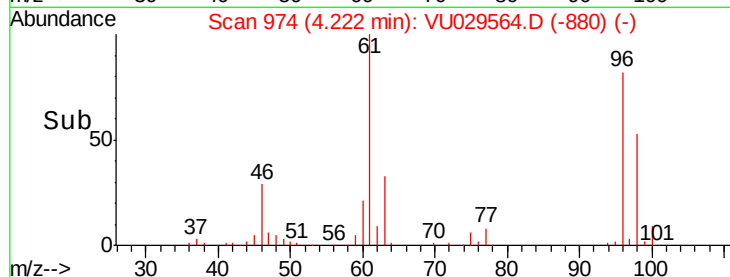
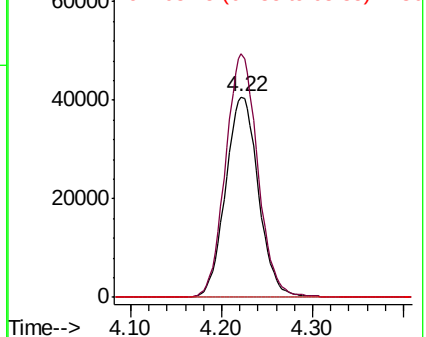
68 0.0 0.0 0.0



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: 0.308 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU029564.D

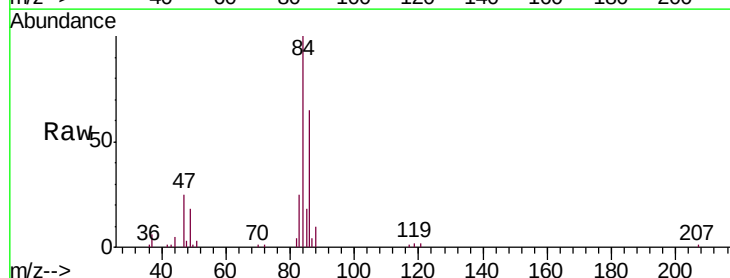
Acq: 19 Feb 2019 18:50

Tgt Ion: 83 Resp: 8334

Ion Ratio Lower Upper

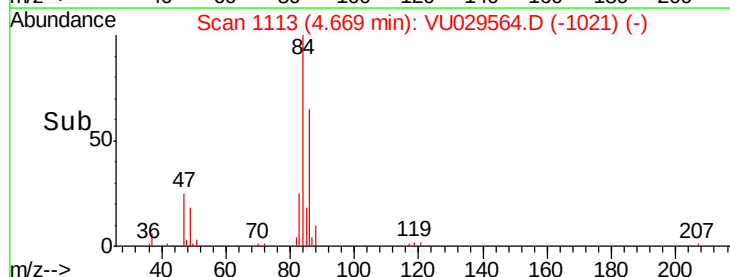
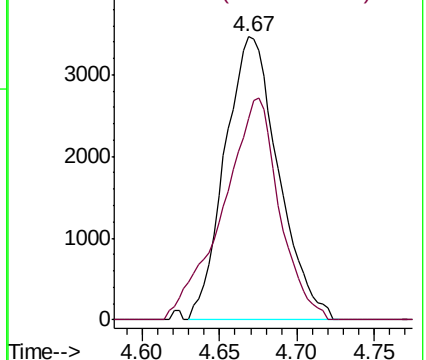
83 100

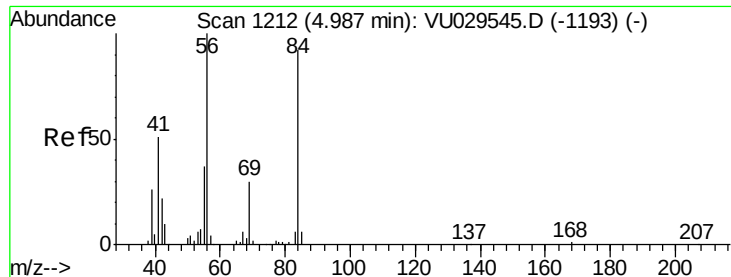
85 71.4 47.8 88.8



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

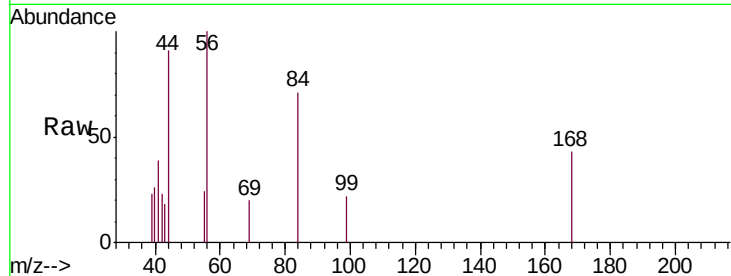




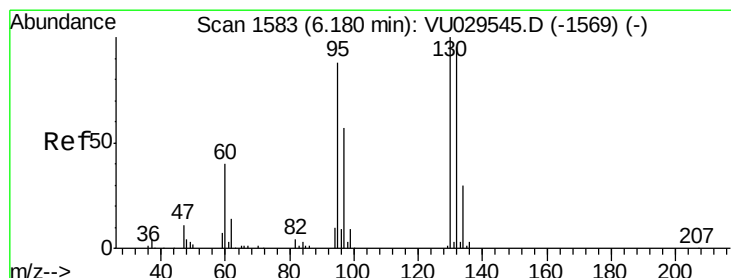
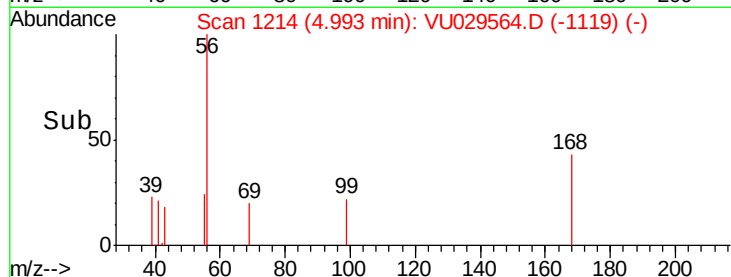
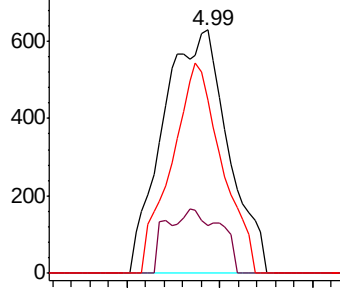
#30
Cyclohexane
Concen: 0.065 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. 0.01 min
Lab File: VU029564.D
Acq: 19 Feb 2019 18:50

Instrument :
MSVOA_U
ClientSampleId :
ESXE7DL

Tgt Ion: 56 Resp: 1541
Ion Ratio Lower Upper
56 100
69 16.8 25.8 38.6#
84 66.5 75.0 112.6#

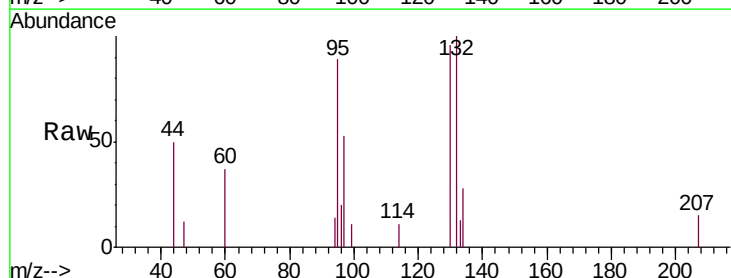


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

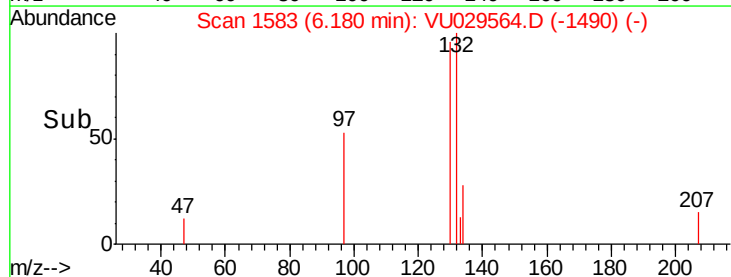
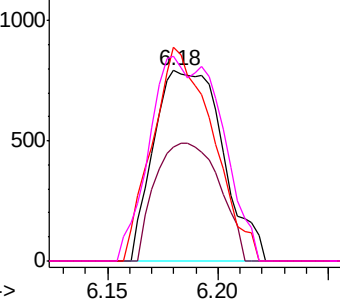


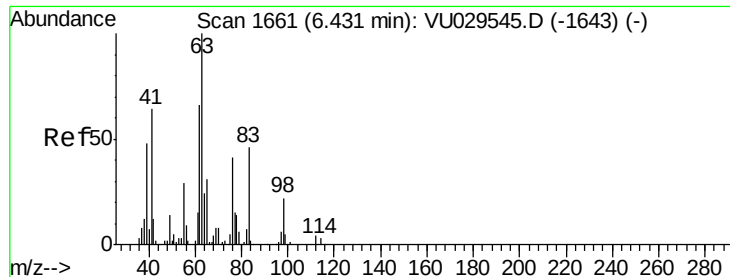
#34
Trichloroethene
Concen: 0.103 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VU029564.D
Acq: 19 Feb 2019 18:50

Tgt Ion: 95 Resp: 1711
Ion Ratio Lower Upper
95 100
97 59.6 46.3 86.1
132 112.1 72.9 135.3
130 107.2 79.2 147.0



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

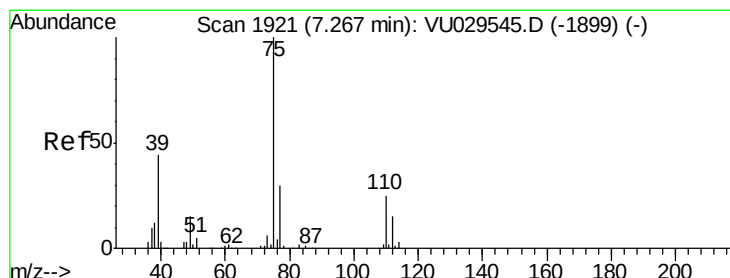
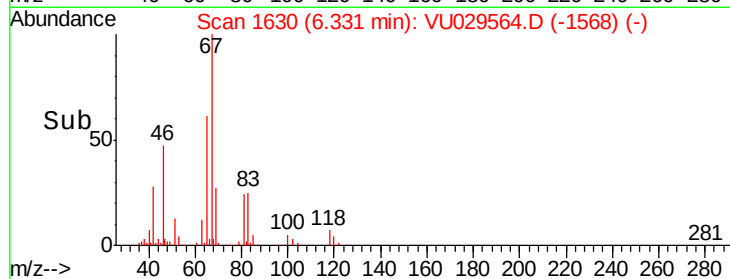
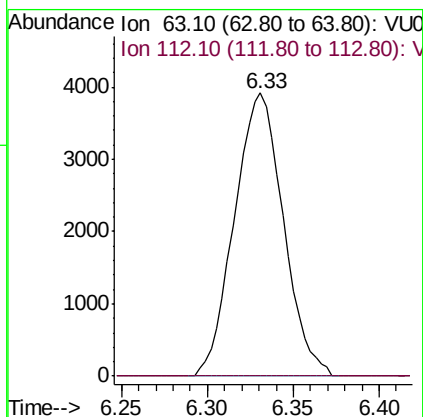
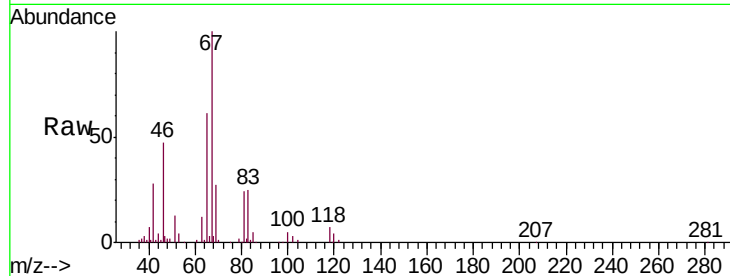




#37
 1,2-Dichloropropane
 Concen: 0.524 ug/L
 RT: 6.33 min Scan# 1630
 Delta R.T. -0.10 min
 Lab File: VU029564.D
 Acq: 19 Feb 2019 18:50

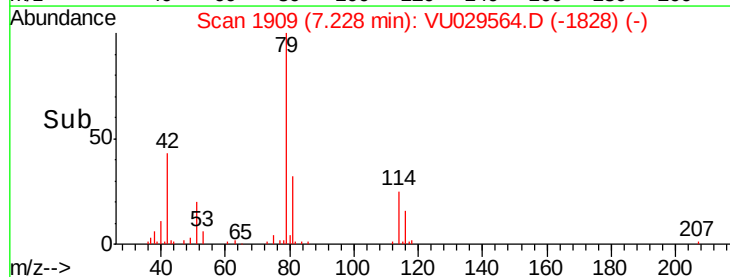
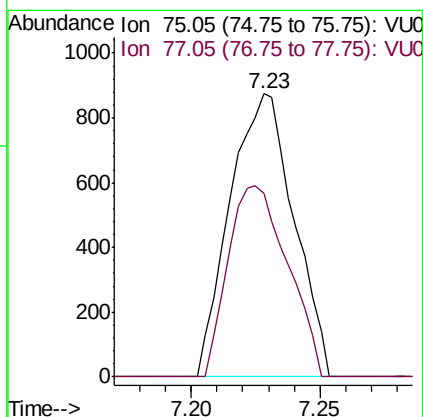
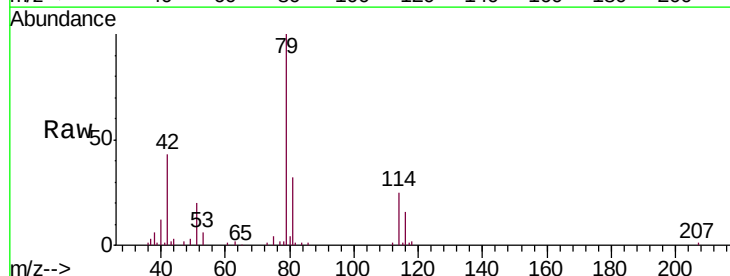
Instrument :
 MSVOA_U
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 ESXE7DL

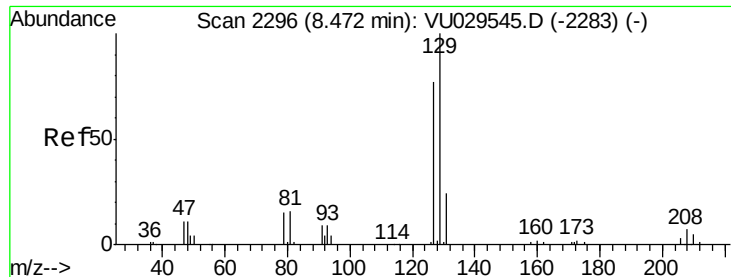
Tgt Ion: 63 Resp: 7722
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.065 ug/L
 RT: 7.23 min Scan# 1909
 Delta R.T. -0.04 min
 Lab File: VU029564.D
 Acq: 19 Feb 2019 18:50

Tgt Ion: 75 Resp: 1505
 Ion Ratio Lower Upper
 75 100
 77 64.6 22.3 41.3#





#49

Dibromochloromethane

Concen: 0.051 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.25 min

Lab File: VU029564.D

Acq: 19 Feb 2019 18:50

Instrument :

MSVOA_U

ClientSampleId :

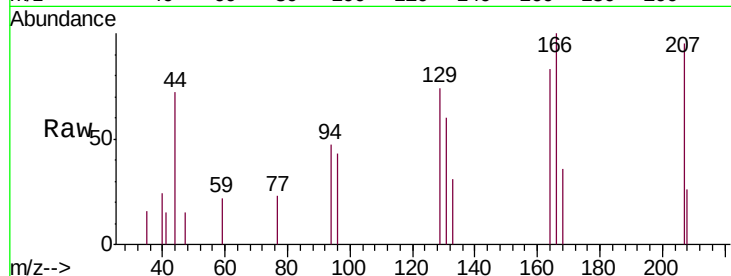
ESXE7DL

Tgt Ion:129 Resp: 780

Ion Ratio Lower Upper

129 100

127 0.0 53.3 99.1#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.22

500

400

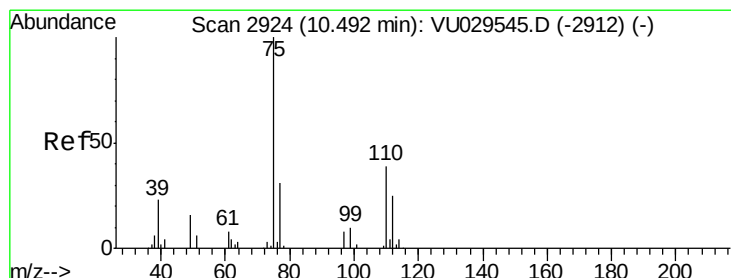
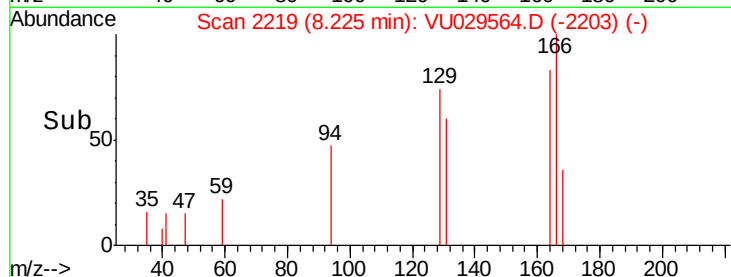
300

200

100

0

Time--> 8.18 8.20 8.22 8.24 8.26



#59

1,2,3-Trichloropropane

Concen: 1.127 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU029564.D

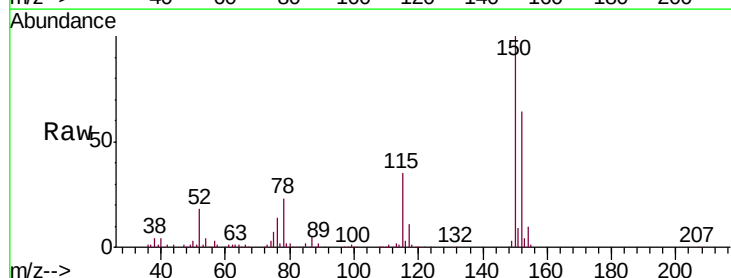
Acq: 19 Feb 2019 18:50

Tgt Ion: 75 Resp: 10661

Ion Ratio Lower Upper

75 100

77 36.4 28.2 42.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

8000

6000

4000

2000

0

Time--> 11.45 11.50

