

Data File : VU029557.D
Acq On : 19 Feb 2019 16:04
Operator : JC/SP
Sample : K1488-20DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXF7DL

Quant Time: Feb 20 00:12:35 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	211336	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	204133	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	109803	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	56810	4.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.00%
7) Chloroethane-d5	1.68	69	53635	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.60%
11) 1,1-Dichloroethene-d2	2.27	63	91532	2.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.40%#
20) 2-Butanone-d5	4.19	46	153497	51.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.98%
24) Chloroform-d	4.65	84	101264	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.31	65	58108	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.34	84	223048	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	6.33	67	70370	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	7.56	98	212886	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
43) trans-1,3-Dichloropropene-	7.85	79	26578	4.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.00%
46) 2-Hexanone-d5	8.31	63	152850	51.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.48%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	60254	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	97997	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

						Qvalue
5) Vinyl chloride	1.40	62	21631	1.063	ug/L #	73
6) Bromomethane	1.63	94	773	0.065	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	881	0.048	ug/L #	16
12) 1,1-Dichloroethene	2.28	96	1640	0.094	ug/L #	1
13) Acetone	2.32	43	1647	0.614	ug/L	86
18) trans-1,2-Dichloroethene	2.98	96	11065	0.597	ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	129070	7.566	ug/L	92
25) Chloroform	4.68	83	9056	0.324	ug/L	95
27) 1,2-Dichloroethane	5.34	62	1068	0.066	ug/L #	72
30) Cyclohexane	4.98	56	3401	0.141	ug/L	97
34) Trichloroethene	6.18	95	24382	1.443	ug/L	95
37) 1,2-Dichloropropane	6.32	63	7475	0.497	ug/L #	87
39) cis-1,3-Dichloropropene	7.22	75	1793	0.076	ug/L #	64
47) Tetrachloroethene	8.22	164	46173	2.984	ug/L	97
48) 2-Hexanone	8.31	43	16593	2.624	ug/L #	68
49) Dibromochloromethane	8.22	129	40693	2.619	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	11465	1.188	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021919\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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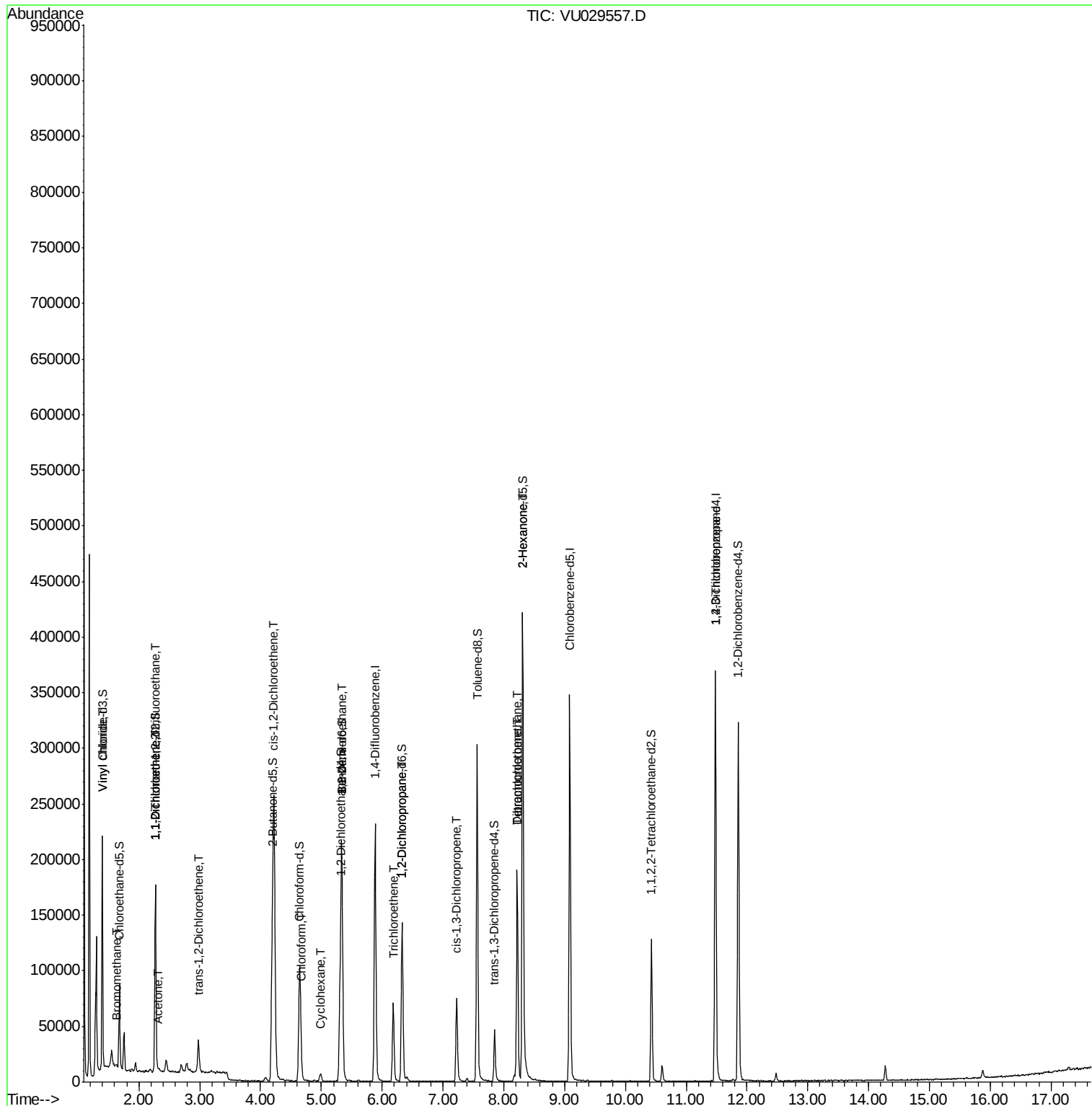
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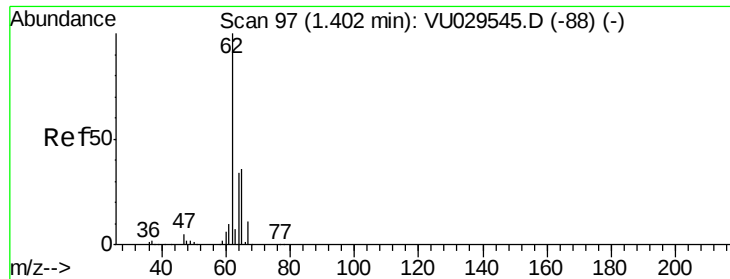
Data File : VU029557.D

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#5

Vinyl chloride

Concen: 1.063 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU029557.D

Acq: 19 Feb 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

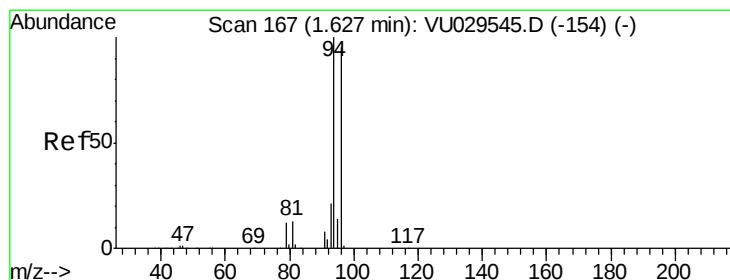
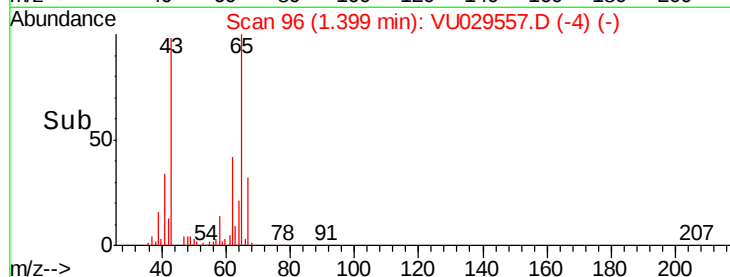
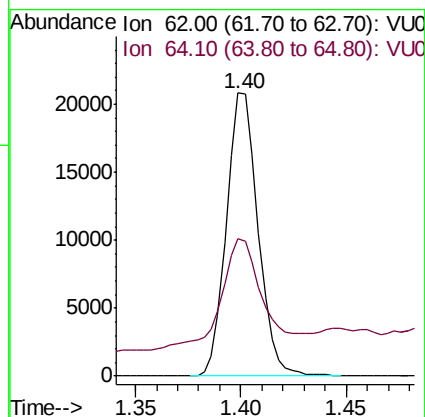
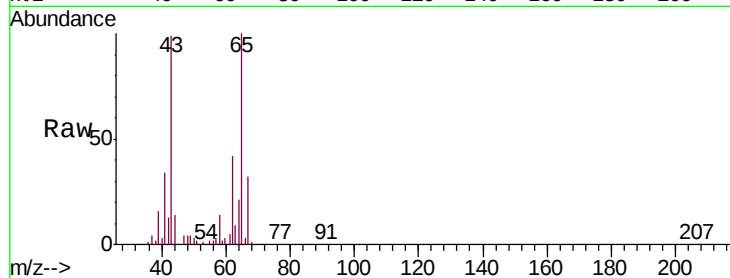
ESXF7DL

Tgt Ion: 62 Resp: 21631

Ion Ratio Lower Upper

62 100

64 48.8 23.5 43.7#



#6

Bromomethane

Concen: 0.065 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU029557.D

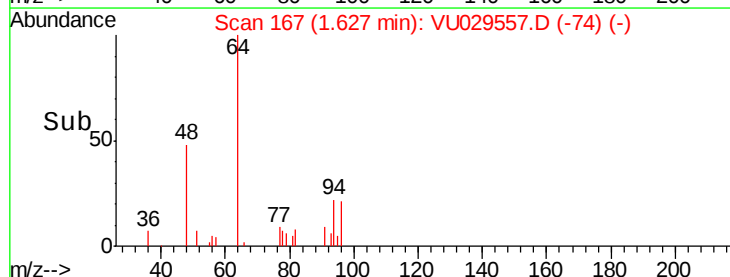
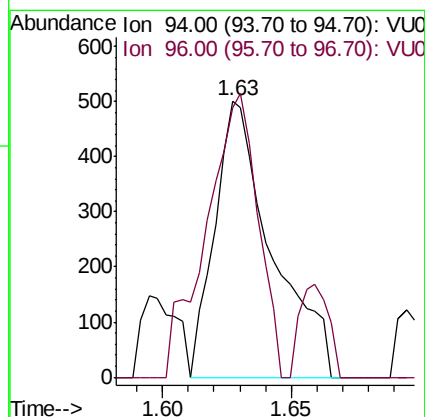
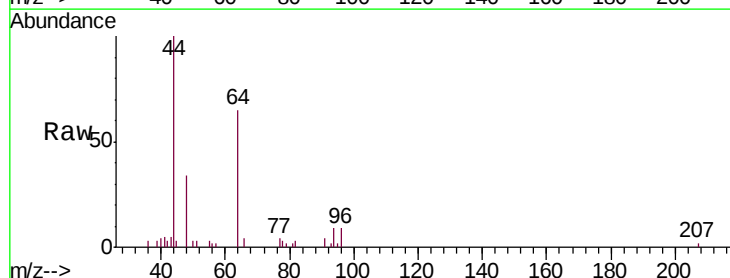
Acq: 19 Feb 2019 16:04

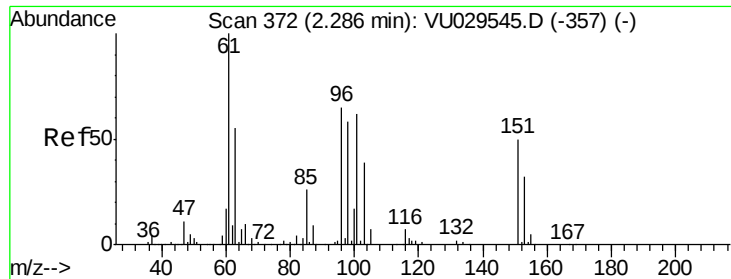
Tgt Ion: 94 Resp: 773

Ion Ratio Lower Upper

94 100

96 97.4 65.2 121.0





#10

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

Concen: 0.048 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU029557.D

Acq: 19 Feb 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

ESXF7DL

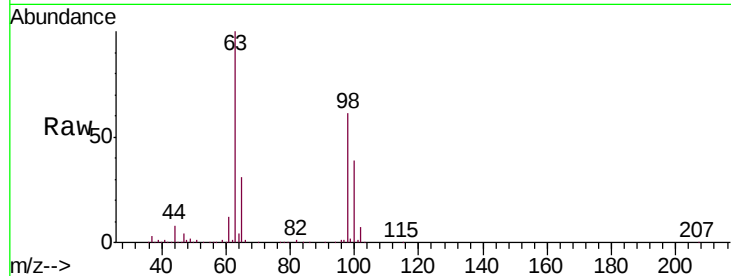
Tgt Ion: 101 Resp: 881

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

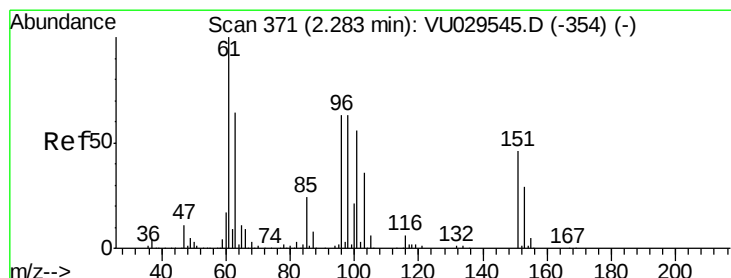
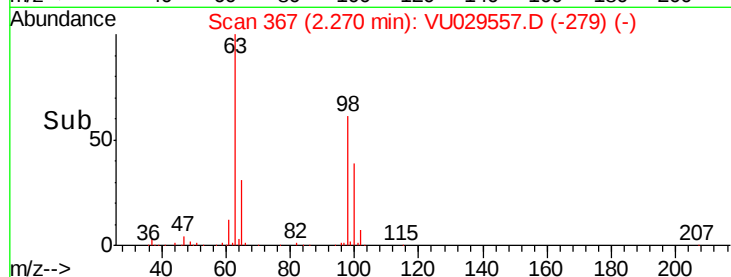
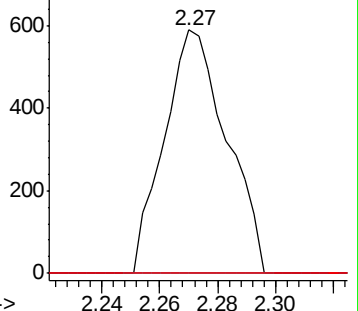
151 0.0 67.0 100.6#



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: 0.094 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU029557.D

Acq: 19 Feb 2019 16:04

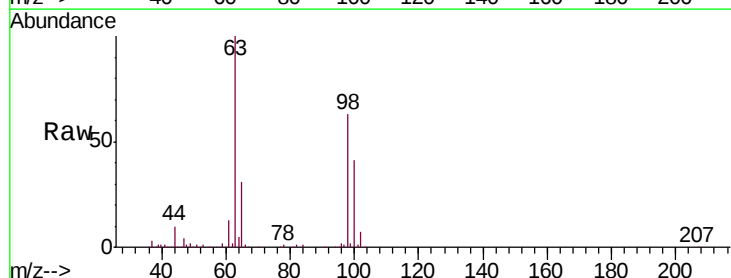
Tgt Ion: 96 Resp: 1640

Ion Ratio Lower Upper

96 100

61 689.9 115.1 213.7#

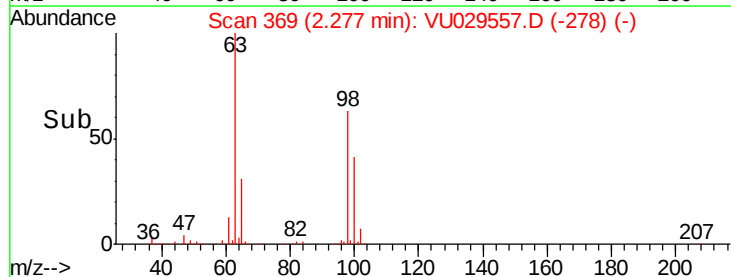
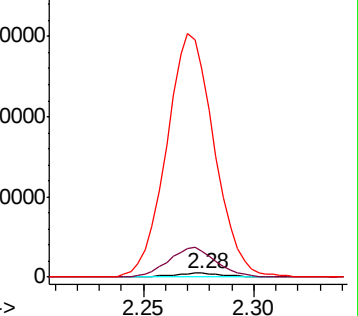
63 5447.5 83.5 155.1#

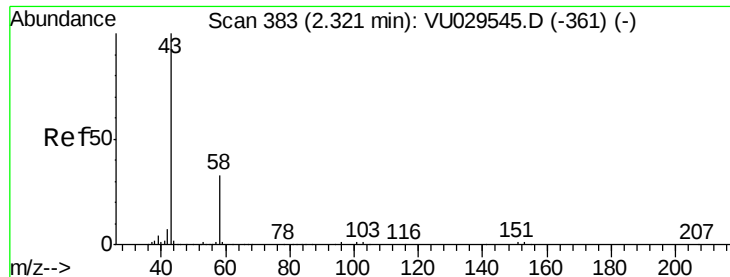


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.614 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029557.D

Acq: 19 Feb 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

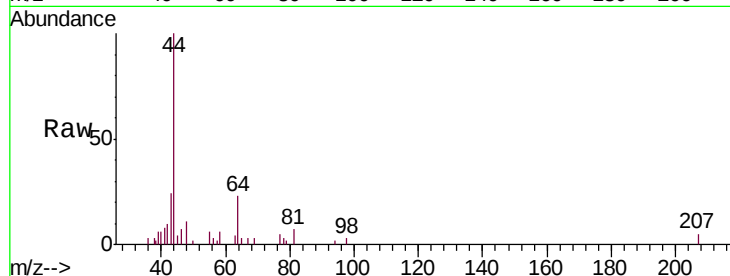
ESXF7DL

Tgt Ion: 43 Resp: 1647

Ion Ratio Lower Upper

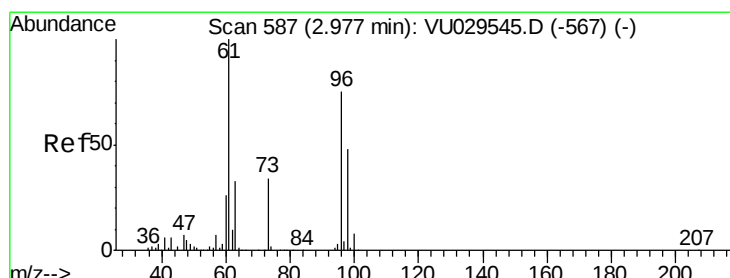
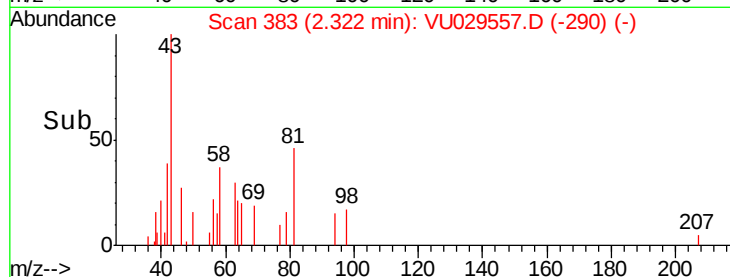
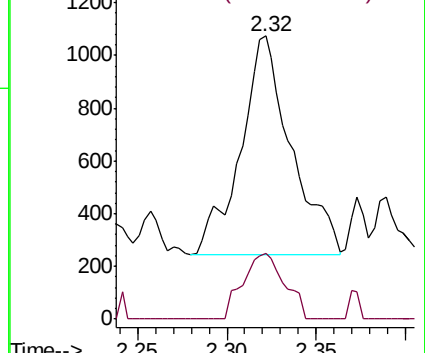
43 100

58 24.7 0.0 65.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#18

trans-1,2-Dichloroethene

Concen: 0.597 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU029557.D

Acq: 19 Feb 2019 16:04

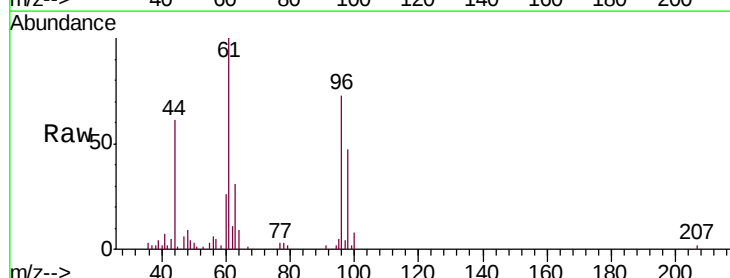
Tgt Ion: 96 Resp: 11065

Ion Ratio Lower Upper

96 100

61 137.6 95.4 177.2

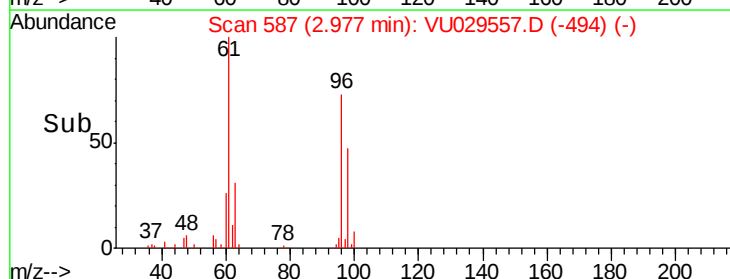
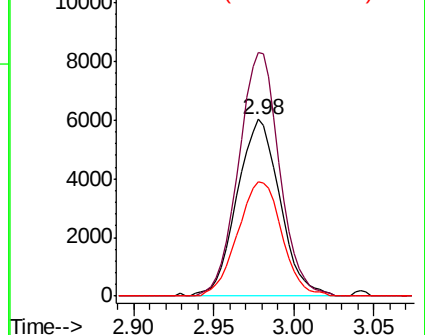
98 64.3 45.8 85.2

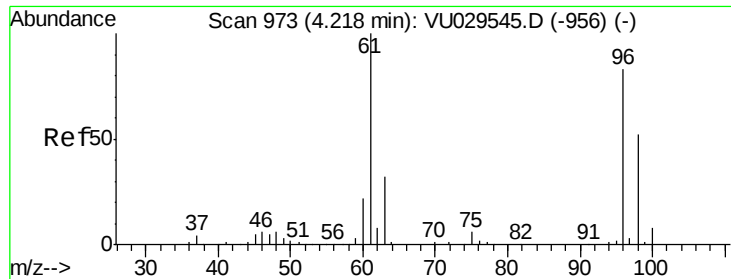


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



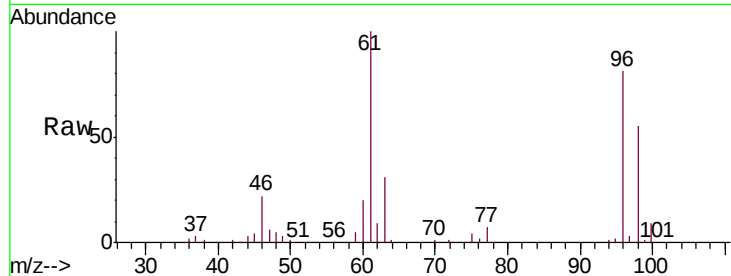


#22

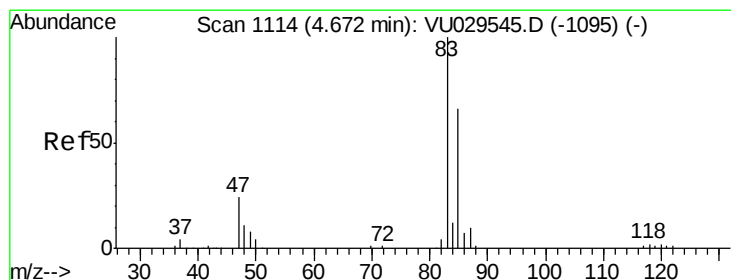
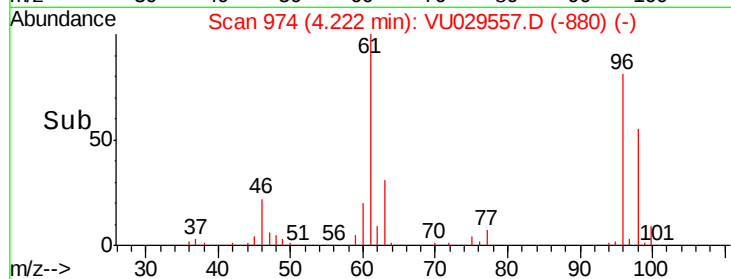
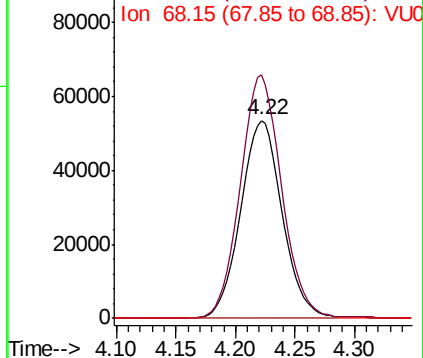
cis-1,2-Dichloroethene
 Concen: 7.566 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029557.D
 Acq: 19 Feb 2019 16:04

Instrument :
 MSVOA_U
 ClientSampleId :
 ESXF7DL

Tgt Ion: 96 Resp: 129070
 Ion Ratio Lower Upper
 96 100
 61 123.2 79.9 148.5
 68 0.0 0.0 0.0



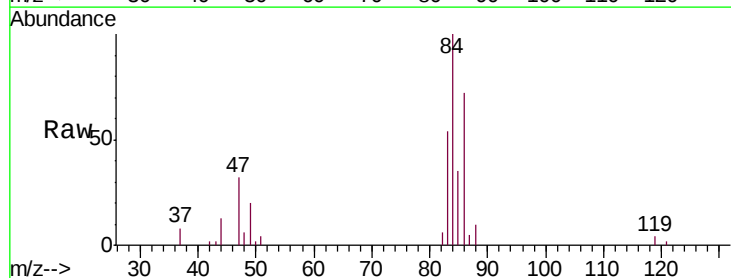
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



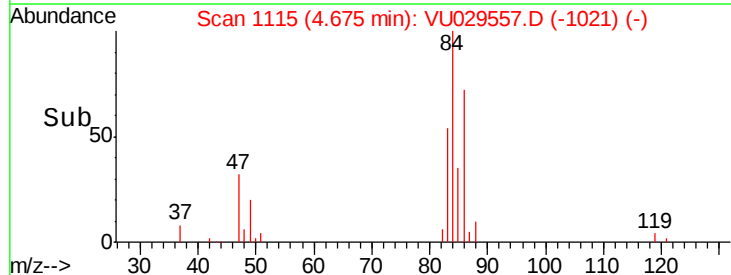
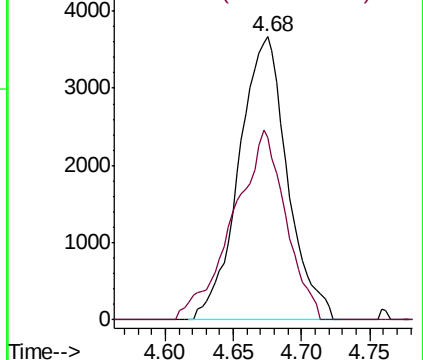
#25

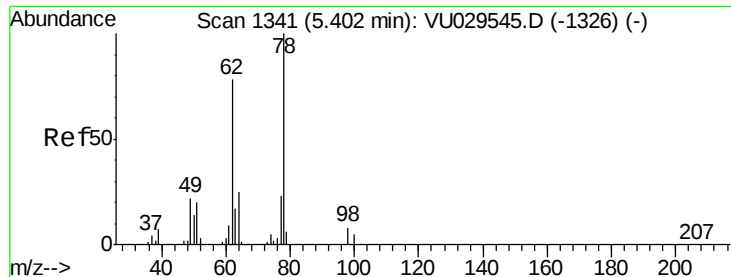
Chloroform
 Concen: 0.324 ug/L
 RT: 4.68 min Scan# 1115
 Delta R.T. 0.00 min
 Lab File: VU029557.D
 Acq: 19 Feb 2019 16:04

Tgt Ion: 83 Resp: 9056
 Ion Ratio Lower Upper
 83 100
 85 64.5 47.8 88.8



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 0.066 ug/L

RT: 5.34 min Scan# 1321

Delta R.T. -0.06 min

Lab File: VU029557.D

Acq: 19 Feb 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

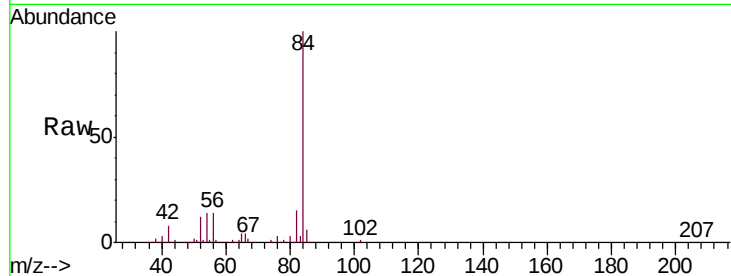
ESXF7DL

Tgt Ion: 62 Resp: 1068

Ion Ratio Lower Upper

62 100

98 0.0 8.4 12.6#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

5.34

600

400

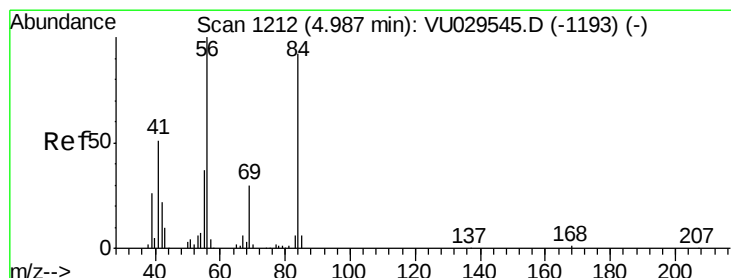
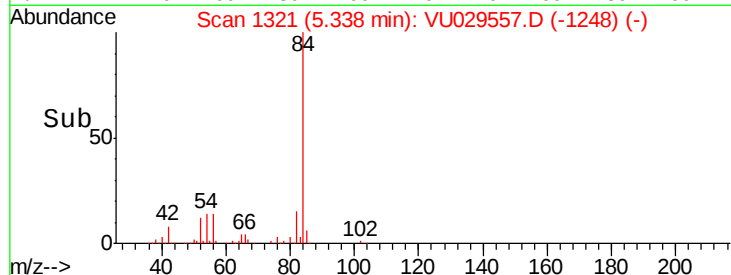
200

0

5.30

5.35

Time-->



#30

Cyclohexane

Concen: 0.141 ug/L

RT: 4.98 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VU029557.D

Acq: 19 Feb 2019 16:04

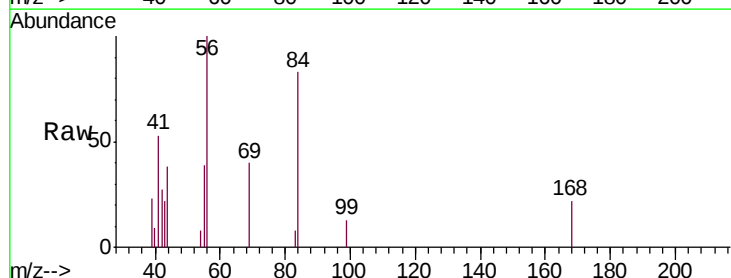
Tgt Ion: 56 Resp: 3401

Ion Ratio Lower Upper

56 100

69 37.5 25.8 38.6

84 92.6 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

2000

1500

1000

500

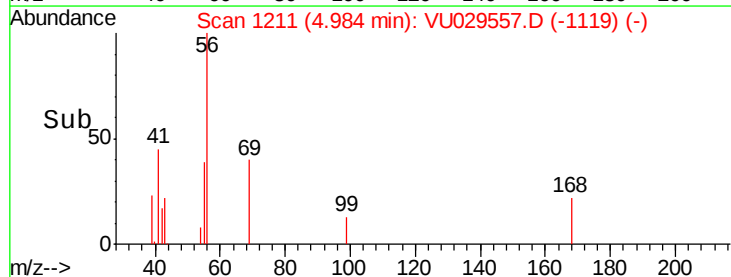
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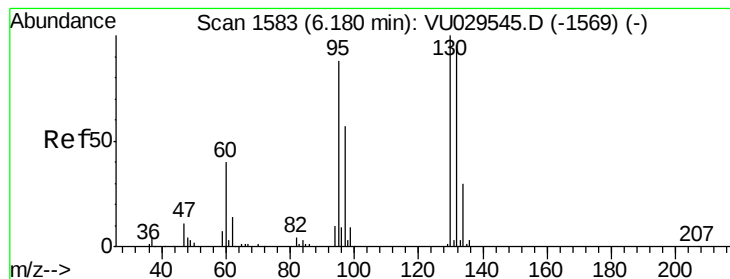
4.95

5.00

5.05

Time-->





#34

Trichloroethene

Concen: 1.443 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029557.D

Acq: 19 Feb 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

ESXF7DL

Tgt Ion: 95 Resp: 24382

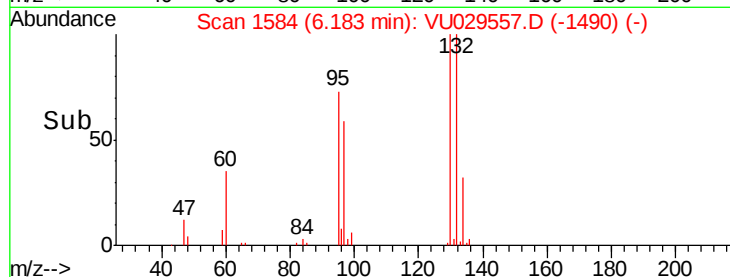
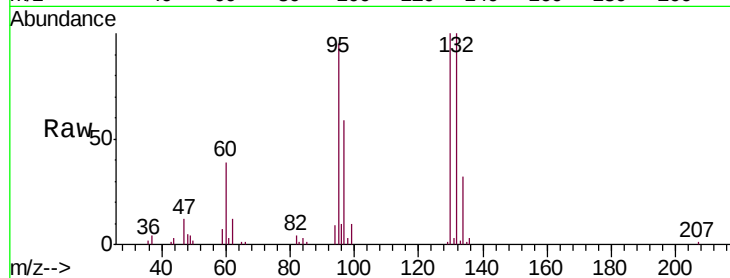
Ion Ratio Lower Upper

95 100

97 62.0 46.3 86.1

132 105.7 72.9 135.3

130 105.7 79.2 147.0

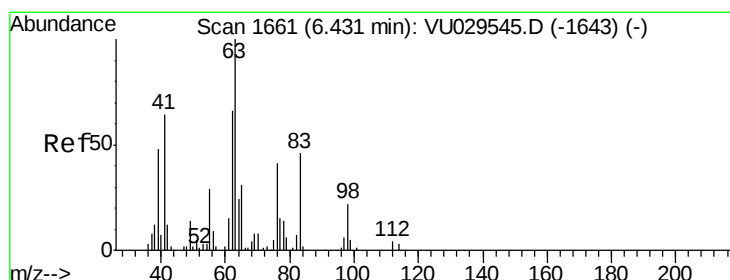
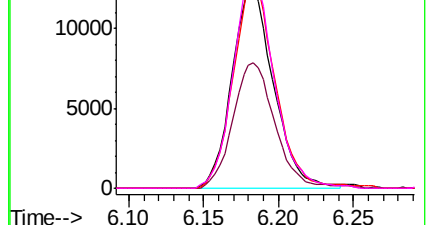


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.497 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.11 min

Lab File: VU029557.D

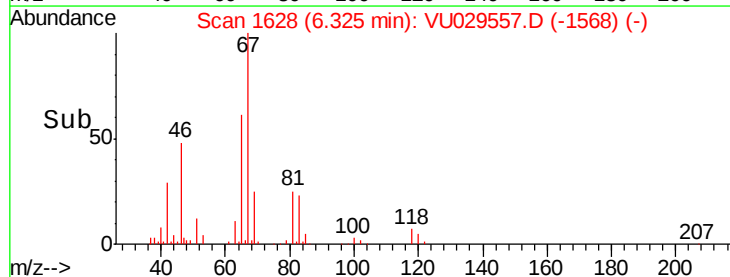
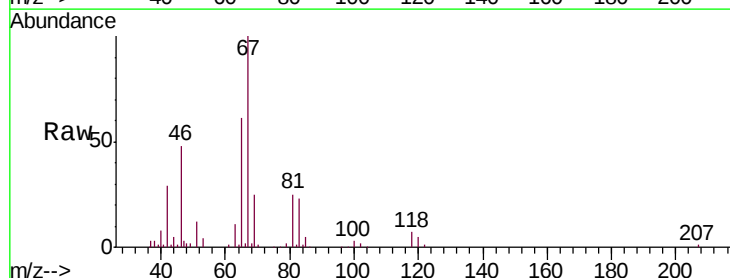
Acq: 19 Feb 2019 16:04

Tgt Ion: 63 Resp: 7475

Ion Ratio Lower Upper

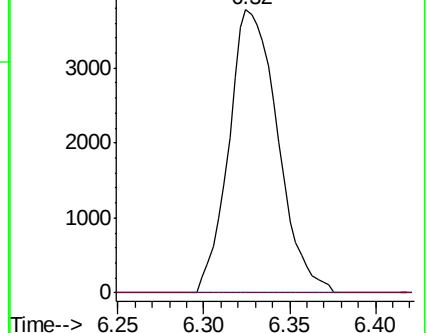
63 100

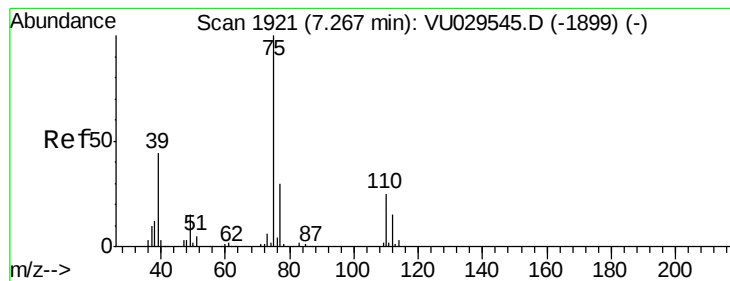
112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



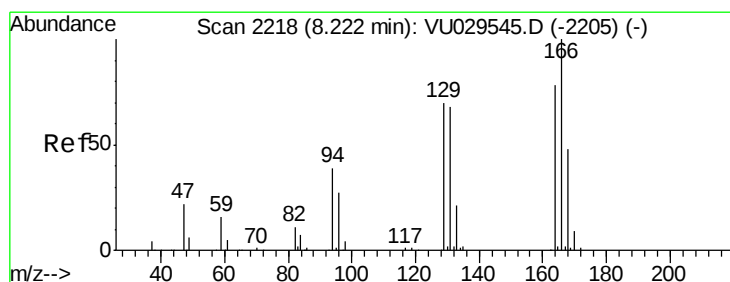
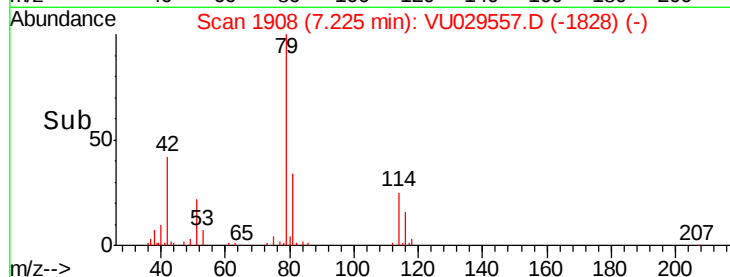
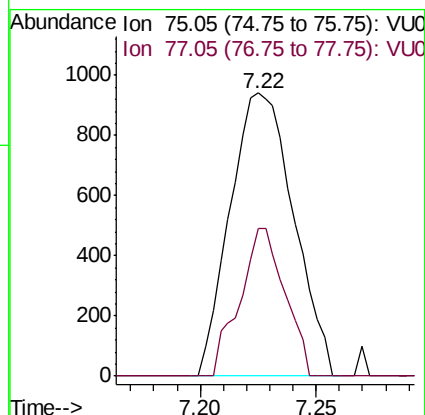
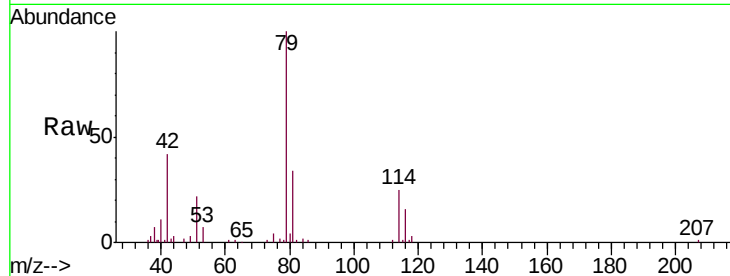


#39

cis-1,3-Dichloropropene
 Concen: 0.076 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU029557.D
 Acq: 19 Feb 2019 16:04

Instrument :
 MSVOA_U
 ClientSampleId :
 ESXF7DL

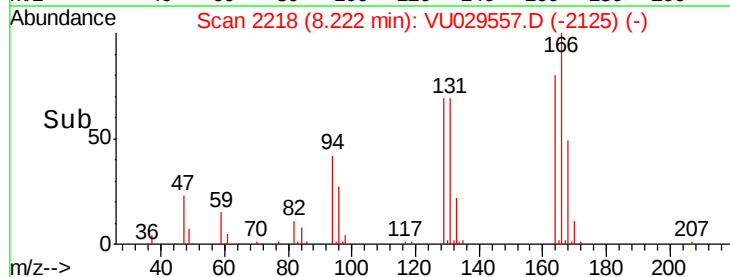
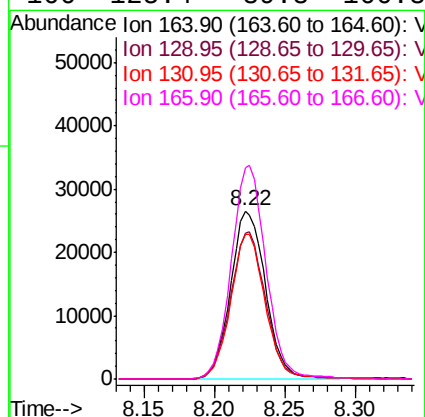
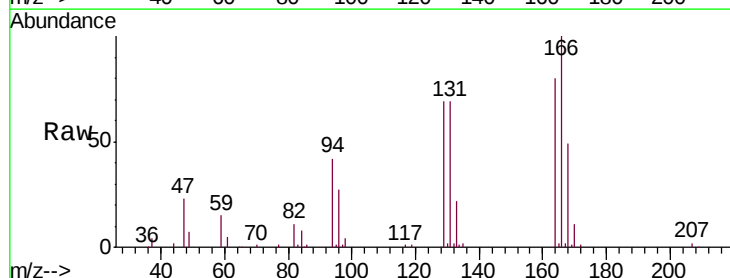
Tgt Ion: 75 Resp: 1793
 Ion Ratio Lower Upper
 75 100
 77 52.1 22.3 41.3#

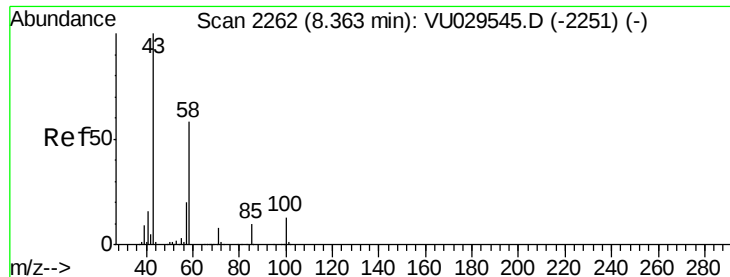


#47

Tetrachloroethene
 Concen: 2.984 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU029557.D
 Acq: 19 Feb 2019 16:04

Tgt Ion: 164 Resp: 46173
 Ion Ratio Lower Upper
 164 100
 129 86.6 62.9 116.9
 131 85.9 62.1 115.3
 166 125.4 89.8 166.8

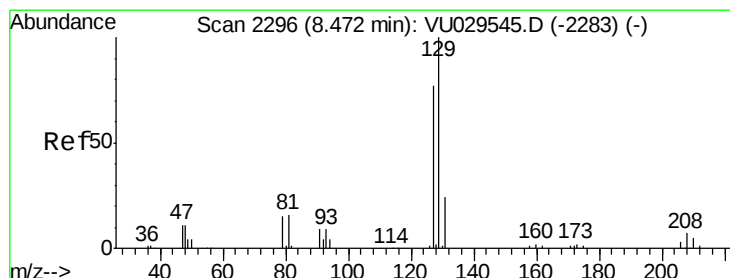
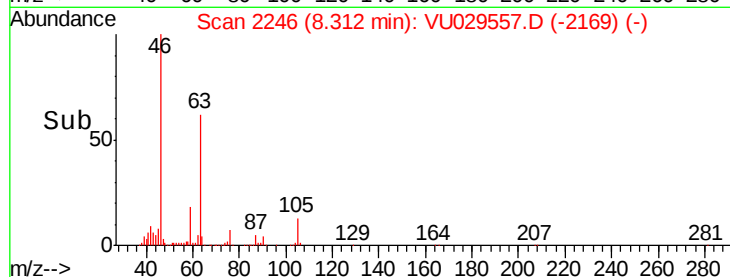
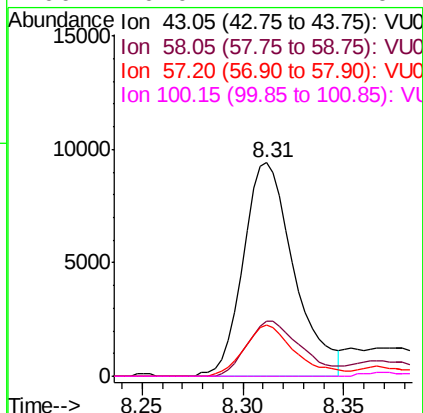
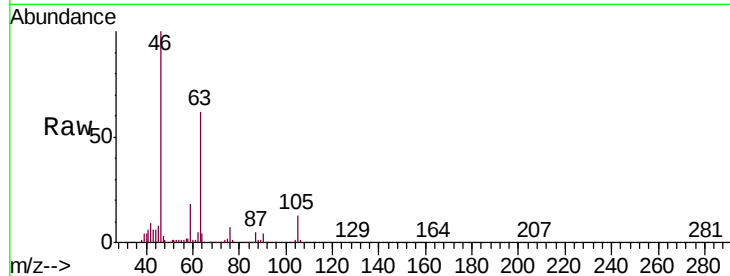




#48
2-Hexanone
Concen: 2.624 ug/L
RT: 8.31 min Scan# 2246
Delta R.T. -0.05 min
Lab File: VU029557.D
Acq: 19 Feb 2019 16:04

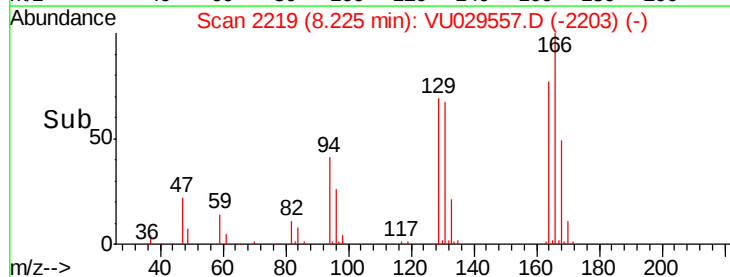
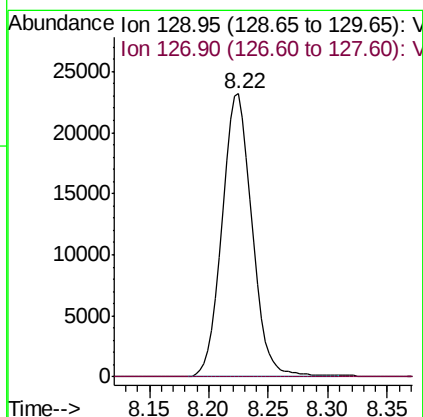
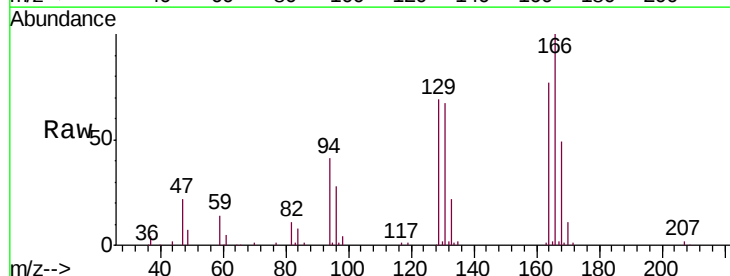
Instrument :
MSVOA_U
ClientSampleId :
ESXF7DL

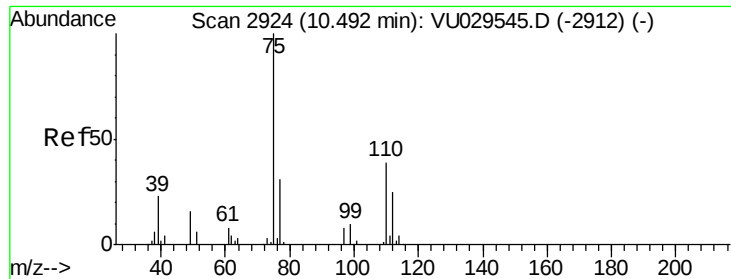
Tgt Ion: 43 Resp: 16593
Ion Ratio Lower Upper
43 100
58 27.9 45.7 68.5#
57 23.9 16.4 24.6
100 0.0 11.1 16.7#



#49
Dibromochloromethane
Concen: 2.619 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.25 min
Lab File: VU029557.D
Acq: 19 Feb 2019 16:04

Tgt Ion: 129 Resp: 40693
Ion Ratio Lower Upper
129 100
127 0.0 53.3 99.1#





#59
 1,2,3-Trichloropropane
 Concen: 1.188 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU029557.D
 Acq: 19 Feb 2019 16:04

Instrument :
 MSVOA_U
 ClientSampleId :
 ESXF7DL

Tgt Ion: 75 Resp: 11465
 Ion Ratio Lower Upper
 75 100
 77 34.7 28.2 42.2

