

Data File : VU029558.D
Acq On : 19 Feb 2019 16:27
Operator : JC/SP
Sample : K1488-18DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXF4DL

Quant Time: Feb 20 00:12:46 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	204344	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	196638	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	103153	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	56216	4.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.80%
7) Chloroethane-d5	1.68	69	52952	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.40%
11) 1,1-Dichloroethene-d2	2.27	63	90725	3.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.80%
20) 2-Butanone-d5	4.19	46	157407	55.14	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.28%
24) Chloroform-d	4.65	84	89093	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.60%
26) 1,2-Dichloroethane-d4	5.31	65	58964	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.34	84	219307	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.33	67	69242	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.56	98	209407	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	7.85	79	27012	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
46) 2-Hexanone-d5	8.31	63	152531	53.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.16%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	61095	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	93058	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

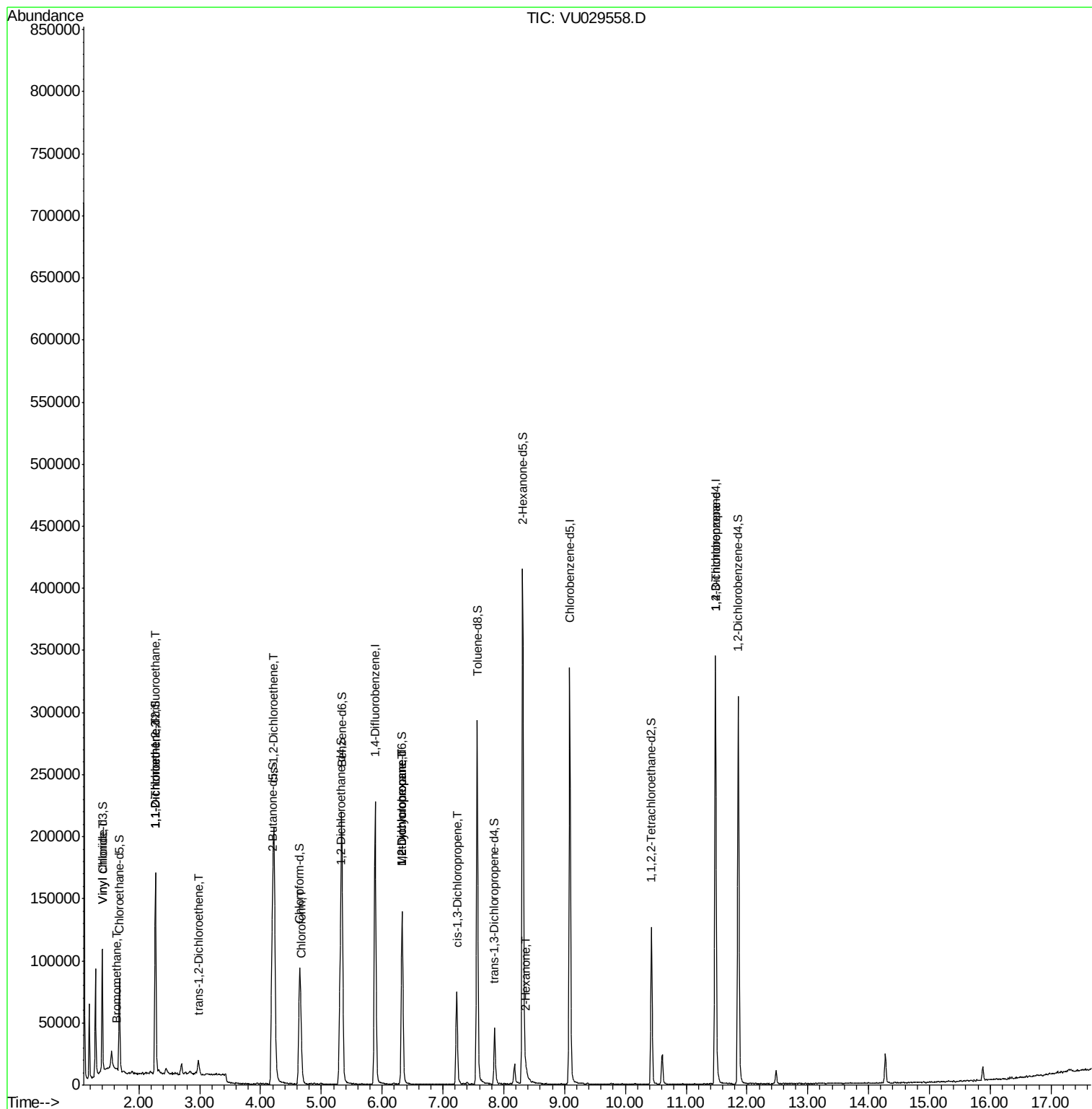
						Qvalue
5) Vinyl chloride	1.40	62	5603	0.285	ug/L #	1
6) Bromomethane	1.63	94	854	0.074	ug/L #	65
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	839	0.047	ug/L #	17
12) 1,1-Dichloroethene	2.27	96	1272	0.076	ug/L #	1
18) trans-1,2-Dichloroethene	2.98	96	4275	0.238	ug/L	93
22) cis-1,2-Dichloroethene	4.22	96	104650	6.344	ug/L	92
25) Chloroform	4.67	83	18850	0.697	ug/L	100
35) Methylcyclohexane	6.33	83	16467	0.601	ug/L #	21
37) 1,2-Dichloropropane	6.33	63	7382	0.509	ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	1966	0.086	ug/L	85
48) 2-Hexanone	8.36	43	1951	0.320	ug/L #	57
59) 1,2,3-Trichloropropane	11.48	75	11049	1.188	ug/L	97

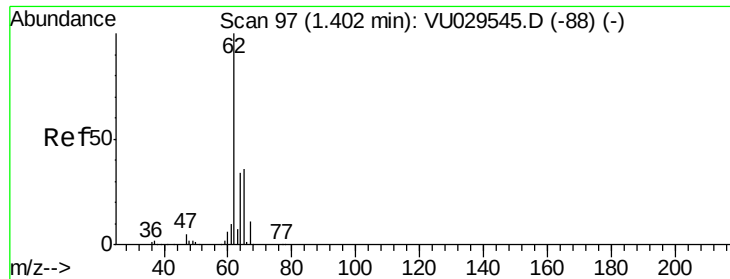
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.285 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029558.D

Acq: 19 Feb 2019 16:27

Instrument :

MSVOA_U

ClientSampleId :

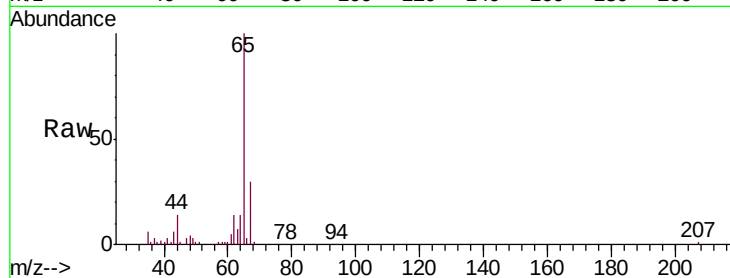
ESXF4DL

Tgt Ion: 62 Resp: 5603

Ion Ratio Lower Upper

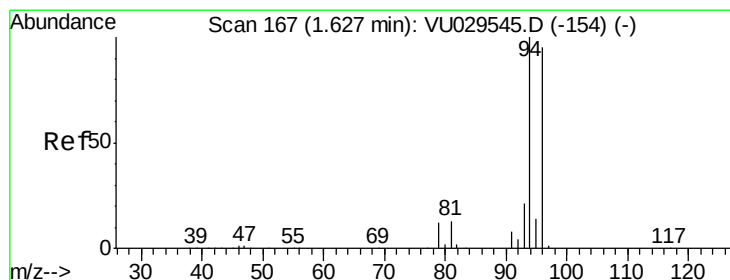
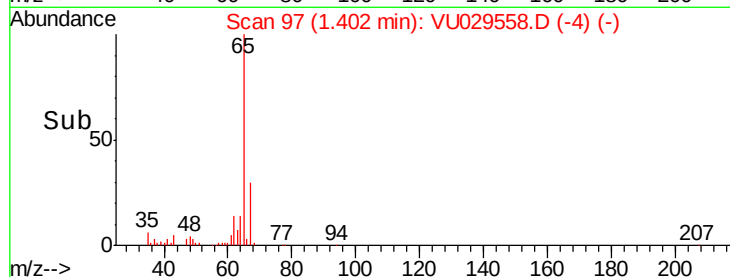
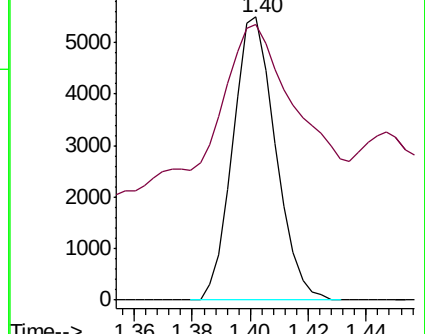
62 100

64 97.3 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: 0.074 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU029558.D

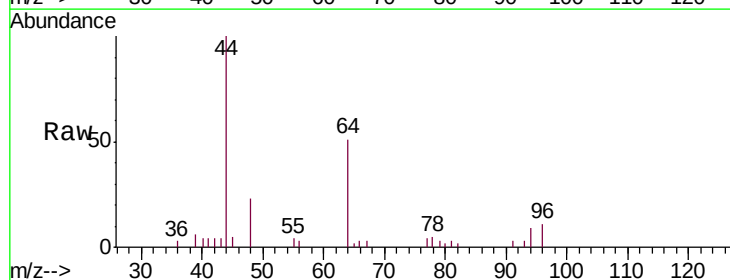
Acq: 19 Feb 2019 16:27

Tgt Ion: 94 Resp: 854

Ion Ratio Lower Upper

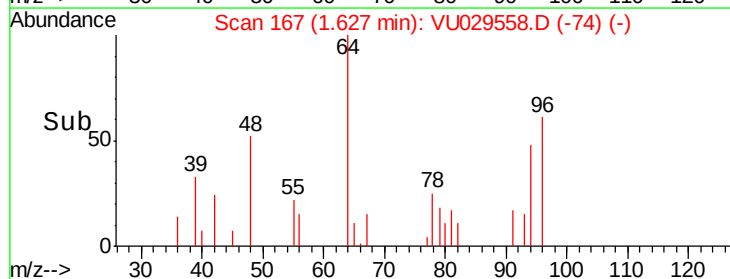
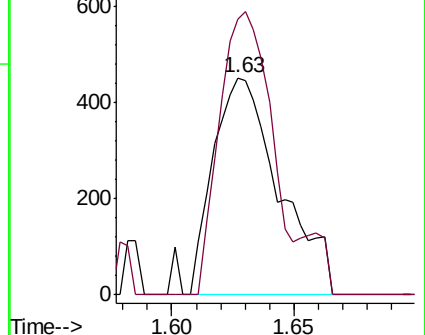
94 100

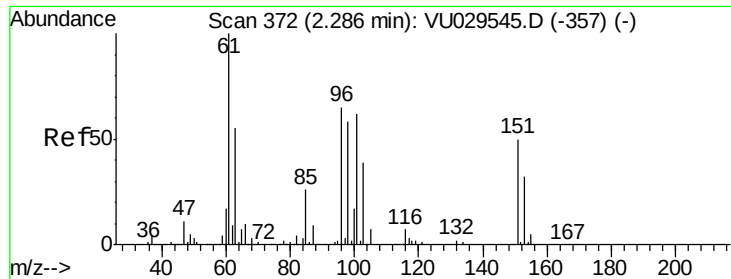
96 127.0 65.2 121.0#



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: 0.047 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU029558.D

Acq: 19 Feb 2019 16:27

Instrument :

MSVOA_U

ClientSampled :

ESXF4DL

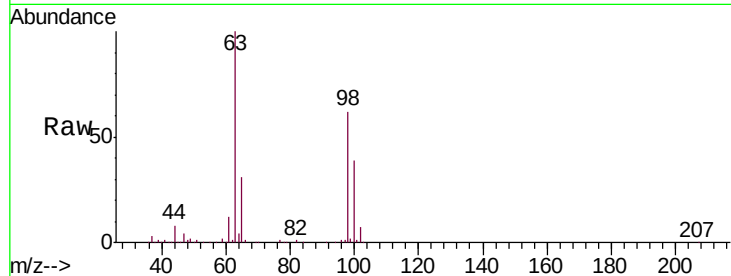
Tgt Ion: 101 Resp: 839

Ion Ratio Lower Upper

101 100

85 2.3 35.1 52.7#

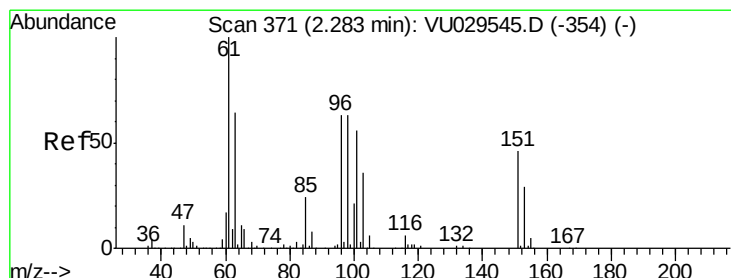
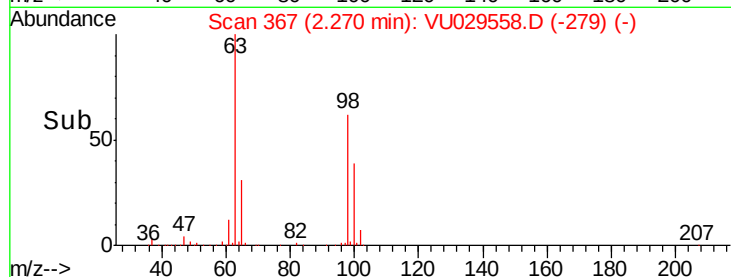
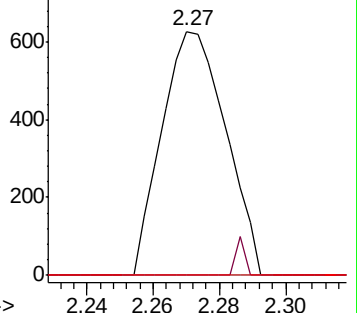
151 0.0 67.0 100.6#



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: 0.076 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029558.D

Acq: 19 Feb 2019 16:27

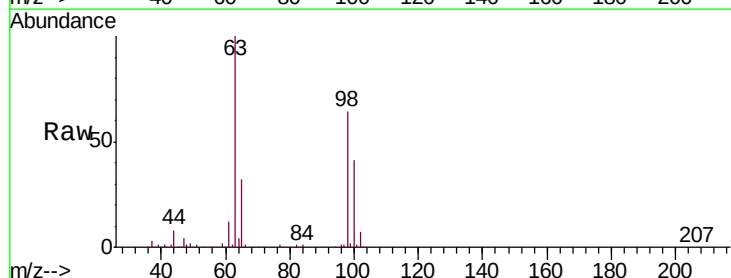
Tgt Ion: 96 Resp: 1272

Ion Ratio Lower Upper

96 100

61 1012.0 115.1 213.7#

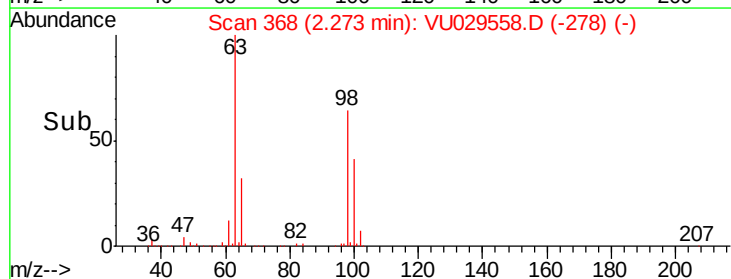
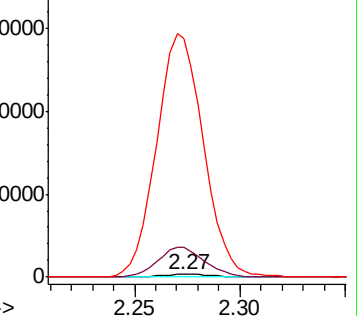
63 8115.3 83.5 155.1#

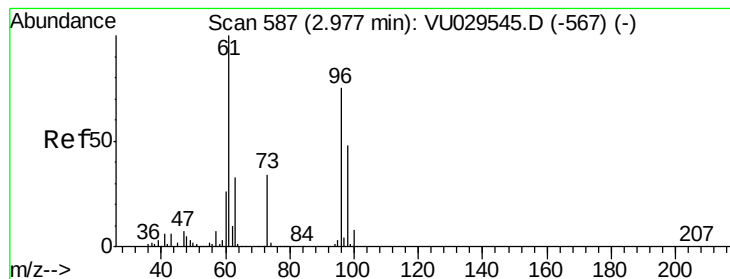


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.238 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU029558.D

Acq: 19 Feb 2019 16:27

Instrument :

MSVOA_U

ClientSampleId :

ESXF4DL

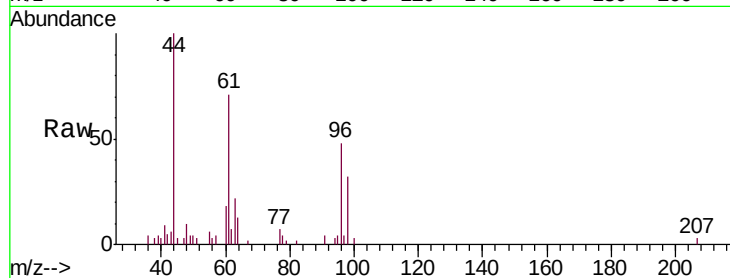
Tgt Ion: 96 Resp: 4275

Ion Ratio Lower Upper

96 100

61 148.2 95.4 177.2

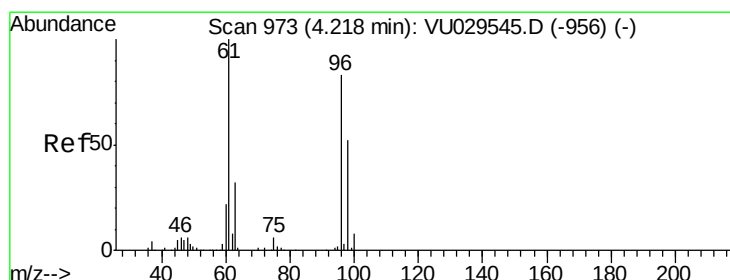
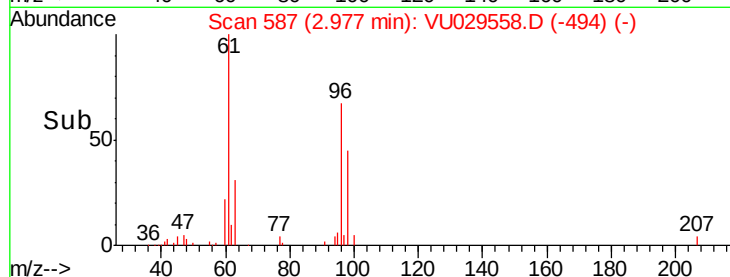
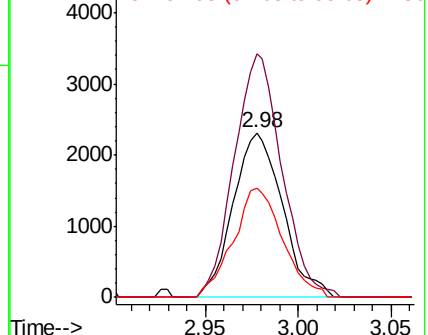
98 66.8 45.8 85.2



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: 6.344 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029558.D

Acq: 19 Feb 2019 16:27

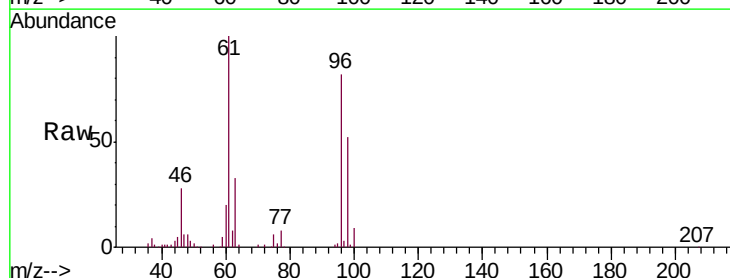
Tgt Ion: 96 Resp: 104650

Ion Ratio Lower Upper

96 100

61 122.5 79.9 148.5

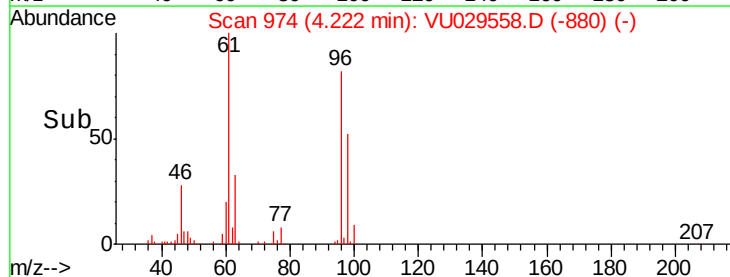
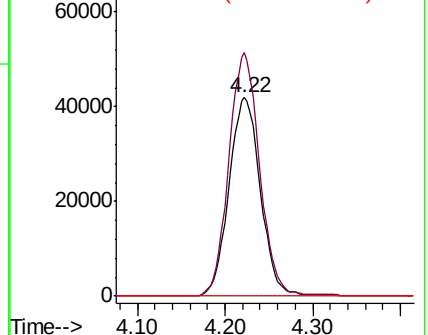
68 0.0 0.0 0.0

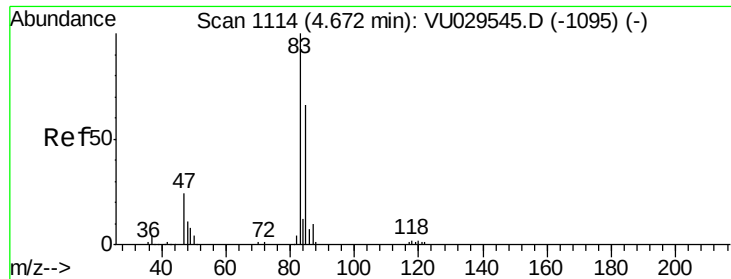


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0





#25

Chloroform

Concen: 0.697 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU029558.D

Acq: 19 Feb 2019 16:27

Instrument :

MSVOA_U

ClientSampleId :

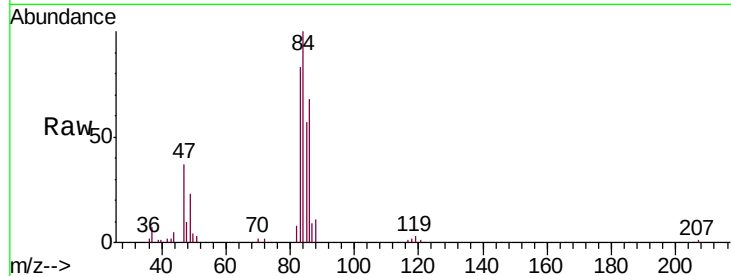
ESXF4DL

Tgt Ion: 83 Resp: 18850

Ion Ratio Lower Upper

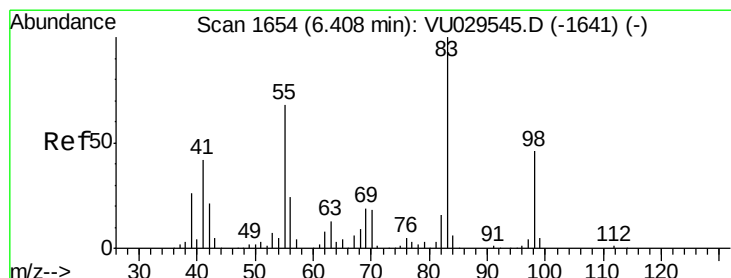
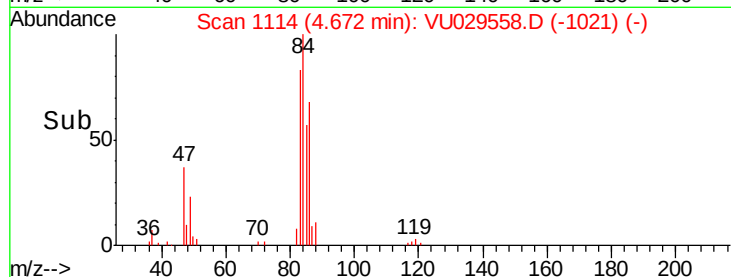
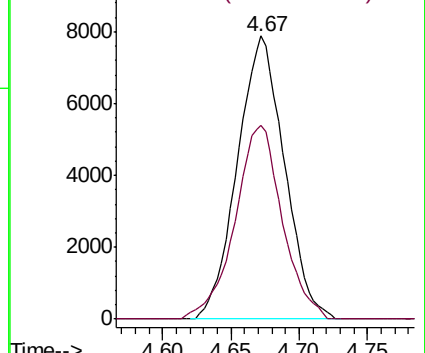
83 100

85 68.4 47.8 88.8



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0



#35

Methylcyclohexane

Concen: 0.601 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU029558.D

Acq: 19 Feb 2019 16:27

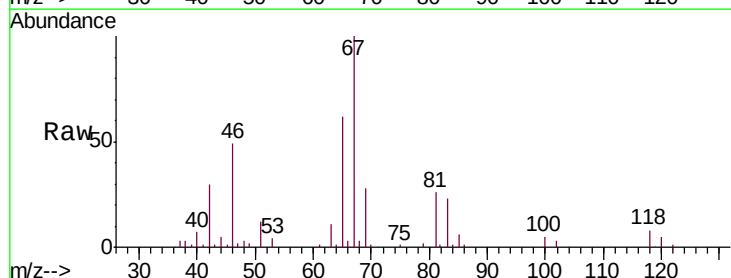
Tgt Ion: 83 Resp: 16467

Ion Ratio Lower Upper

83 100

55 0.2 55.9 83.9#

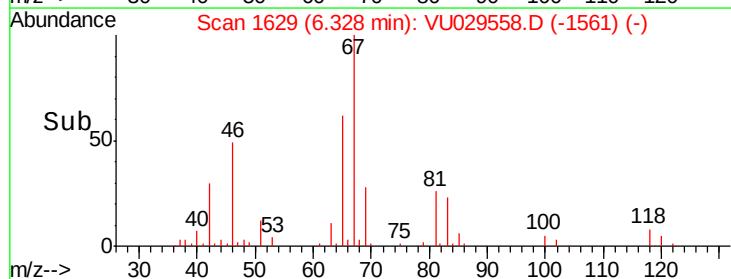
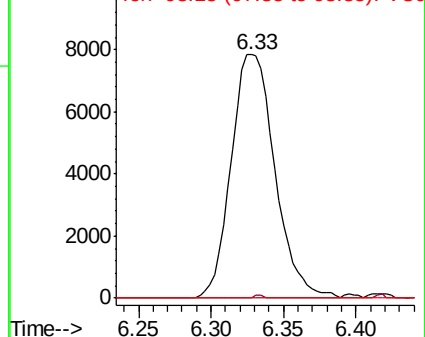
98 0.0 38.6 57.8#

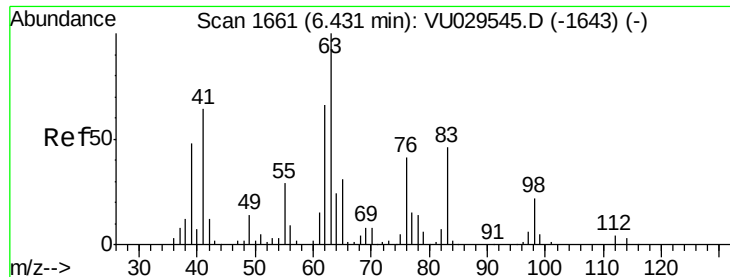


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

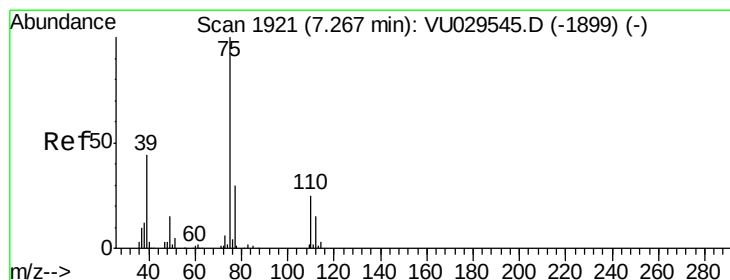
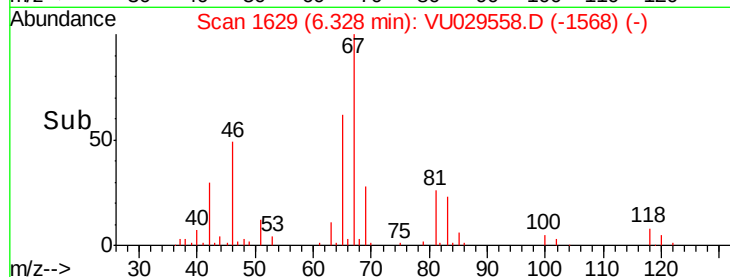
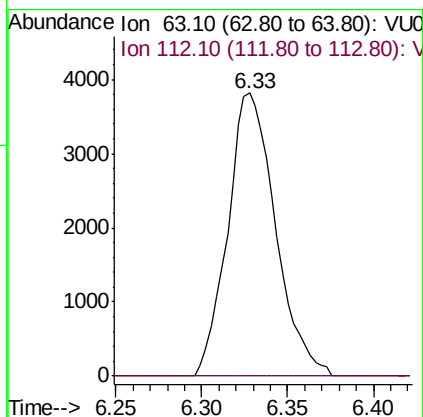
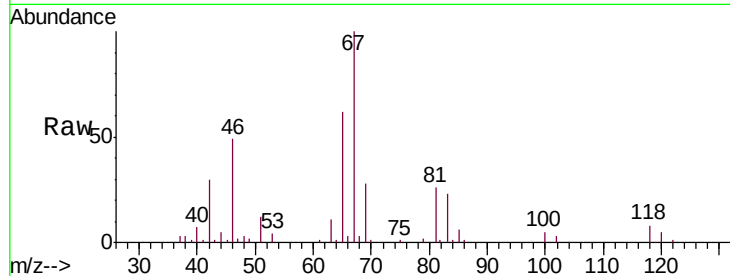




#37
 1,2-Dichloropropane
 Concen: 0.509 ug/L
 RT: 6.33 min Scan# 1629
 Delta R.T. -0.10 min
 Lab File: VU029558.D
 Acq: 19 Feb 2019 16:27

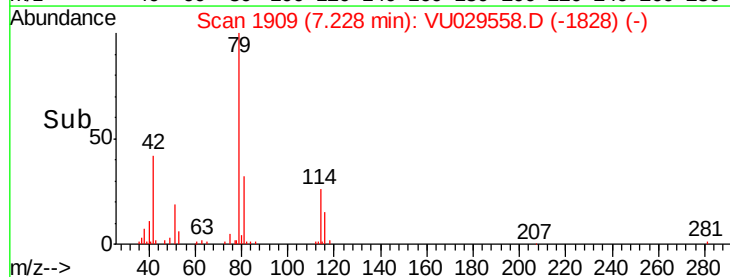
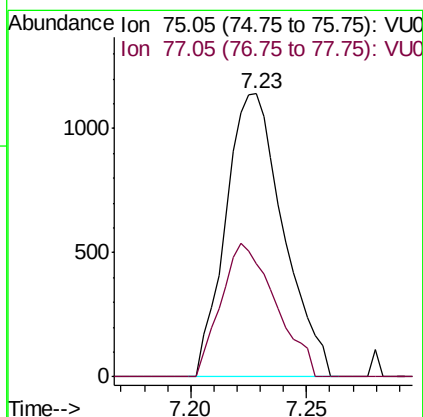
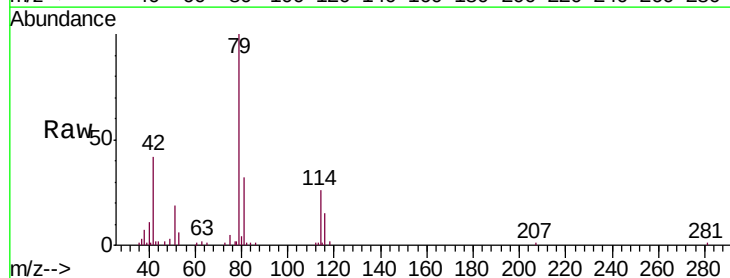
Instrument :
 MSVOA_U
 ClientSampleId :
 ESXF4DL

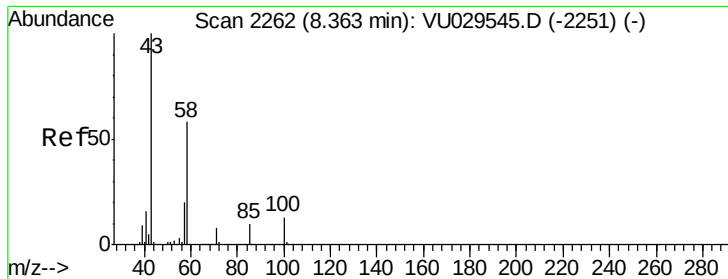
Tgt Ion: 63 Resp: 7382
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.086 ug/L
 RT: 7.23 min Scan# 1909
 Delta R.T. -0.04 min
 Lab File: VU029558.D
 Acq: 19 Feb 2019 16:27

Tgt Ion: 75 Resp: 1966
 Ion Ratio Lower Upper
 75 100
 77 40.0 22.3 41.3

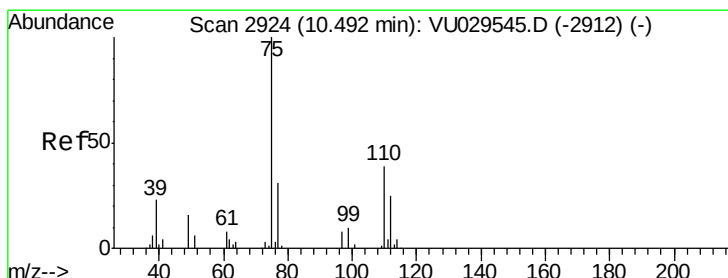
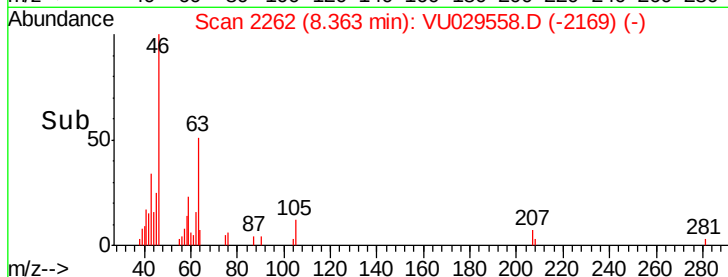
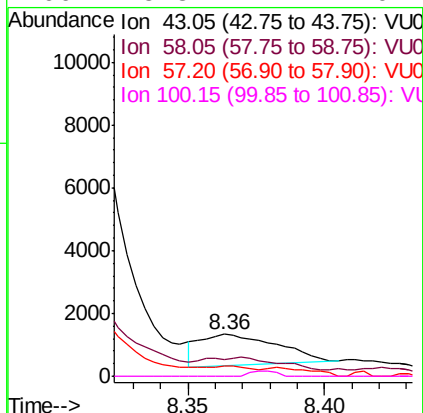
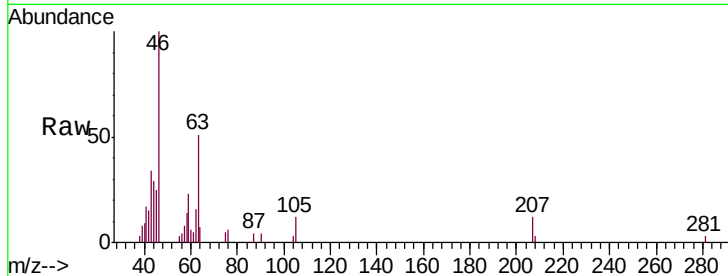




#48
2-Hexanone
Concen: 0.320 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU029558.D
Acq: 19 Feb 2019 16:27

Instrument :
MSVOA_U
ClientSampleId :
ESXF4DL

Tgt Ion: 43 Resp: 1951
Ion Ratio Lower Upper
43 100
58 21.4 45.7 68.5#
57 0.0 16.4 24.6#
100 5.3 11.1 16.7#



#59
1,2,3-Trichloropropane
Concen: 1.188 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU029558.D
Acq: 19 Feb 2019 16:27

Tgt Ion: 75 Resp: 11049
Ion Ratio Lower Upper
75 100
77 36.8 28.2 42.2

