

Data File : VU029565.D
Acq On : 19 Feb 2019 19:14
Operator : JC/SP
Sample : K1488-12DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXE8DL

Quant Time: Feb 20 00:13:57 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	212494	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	204068	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	107824	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	53942	3.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.60%
7) Chloroethane-d5	1.68	69	53707	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.20%
11) 1,1-Dichloroethene-d2	2.27	63	86016	2.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.40%#
20) 2-Butanone-d5	4.20	46	156439	52.70	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.40%
24) Chloroform-d	4.65	84	85082	3.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.00%
26) 1,2-Dichloroethane-d4	5.31	65	55137	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
32) Benzene-d6	5.34	84	213423	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
36) 1,2-Dichloropropane-d6	6.33	67	66427	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	7.56	98	201719	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
43) trans-1,3-Dichloropropene-	7.85	79	25176	3.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.80%
46) 2-Hexanone-d5	8.31	63	152813	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	59653	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	92936	4.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

						Qvalue
5) Vinyl chloride	1.40	62	67671	3.307	ug/L	96
6) Bromomethane	1.63	94	788	0.066	ug/L #	57
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	818	0.044	ug/L #	16
12) 1,1-Dichloroethene	2.27	96	1201	0.069	ug/L #	1
18) trans-1,2-Dichloroethene	2.98	96	2503	0.134	ug/L #	70
22) cis-1,2-Dichloroethene	4.22	96	136571	7.962	ug/L	97
25) Chloroform	4.67	83	21199	0.754	ug/L	95
27) 1,2-Dichloroethane	5.33	62	1185	0.073	ug/L #	72
34) Trichloroethene	6.19	95	1125	0.067	ug/L	88
35) Methylcyclohexane	6.33	83	15922	0.560	ug/L #	21
37) 1,2-Dichloropropane	6.33	63	7073	0.470	ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	1672	0.071	ug/L #	59
47) Tetrachloroethene	8.22	164	2089	0.135	ug/L	89
48) 2-Hexanone	8.37	43	2815	0.445	ug/L #	49
49) Dibromochloromethane	8.22	129	2023	0.130	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	10445	1.082	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	461	0.205	ug/L #	1

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

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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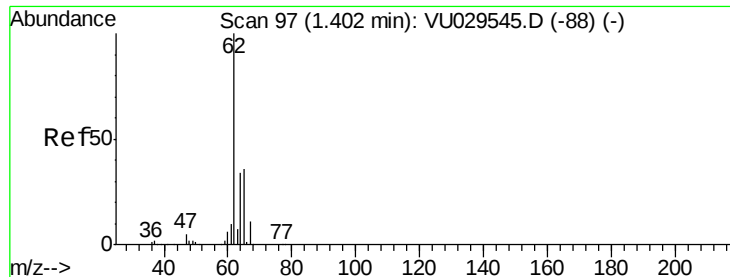
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial      : 22      Sample Multiplier: 1
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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.307 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029565.D

Acq: 19 Feb 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

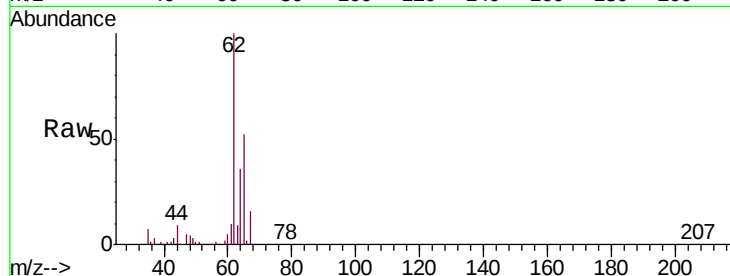
ESXE8DL

Tgt Ion: 62 Resp: 67671

Ion Ratio Lower Upper

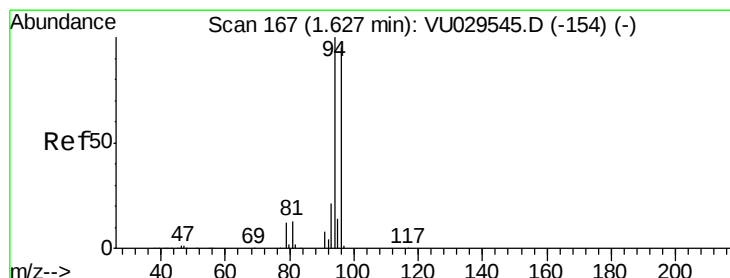
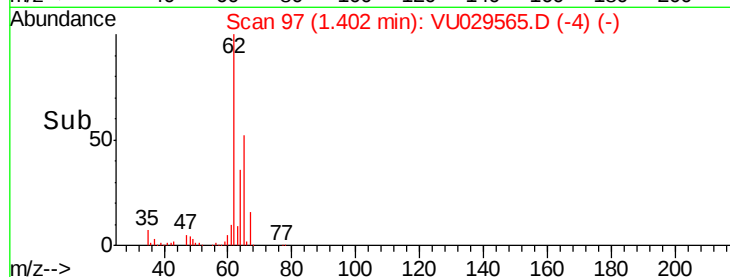
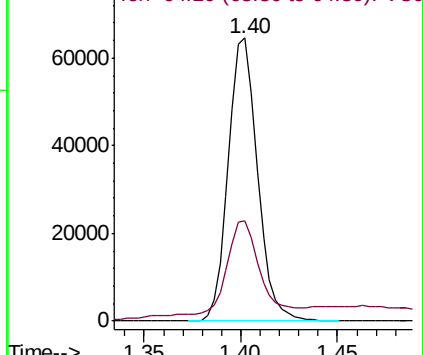
62 100

64 35.6 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: 0.066 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU029565.D

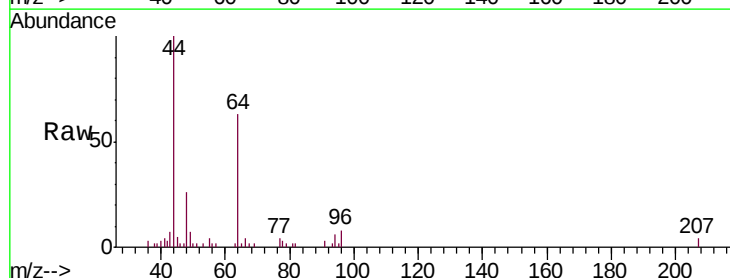
Acq: 19 Feb 2019 19:14

Tgt Ion: 94 Resp: 788

Ion Ratio Lower Upper

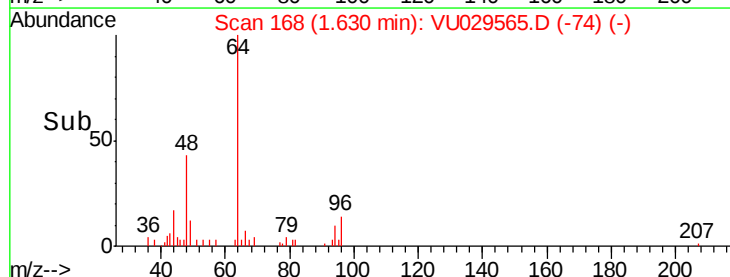
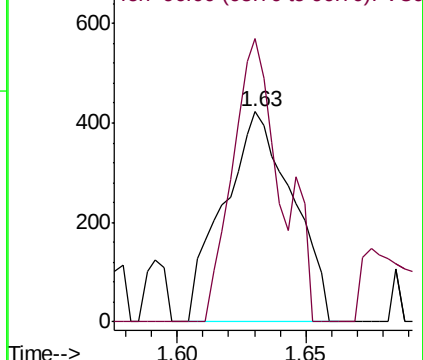
94 100

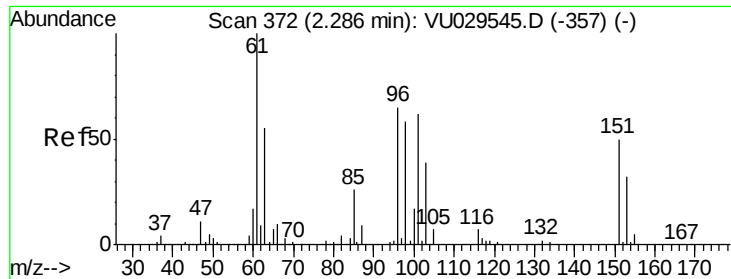
96 134.5 65.2 121.0#



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: 0.044 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU029565.D

Acq: 19 Feb 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

ESXE8DL

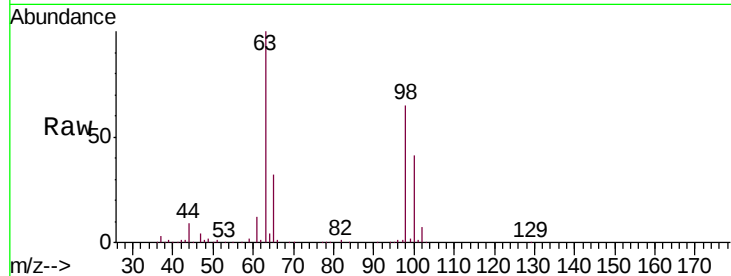
Tgt Ion: 101 Resp: 818

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

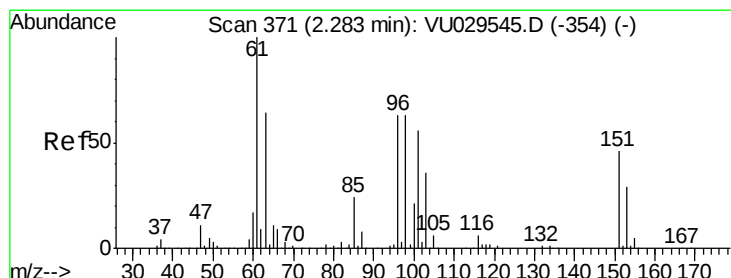
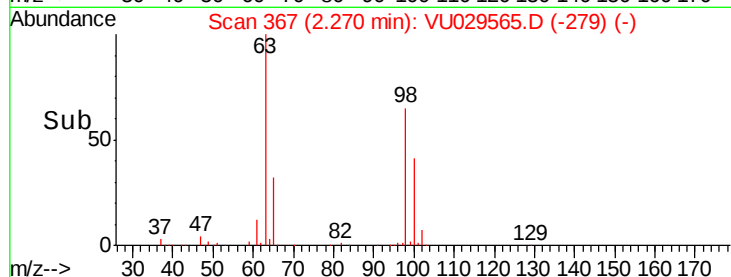
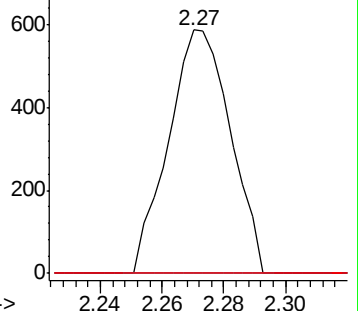
151 0.0 67.0 100.6#



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: VU029565.D

Acq: 19 Feb 2019 19:14

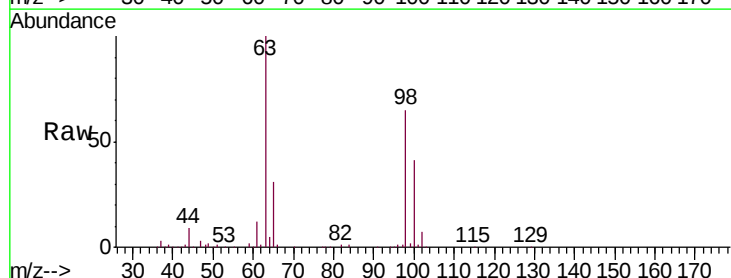
Tgt Ion: 96 Resp: 1201

Ion Ratio Lower Upper

96 100

61 1063.2 115.1 213.7#

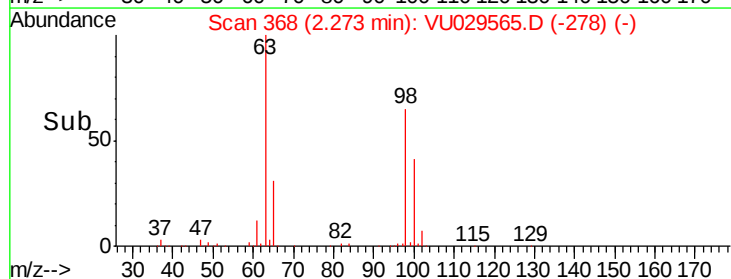
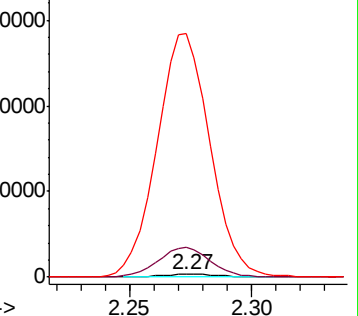
63 8660.0 83.5 155.1#

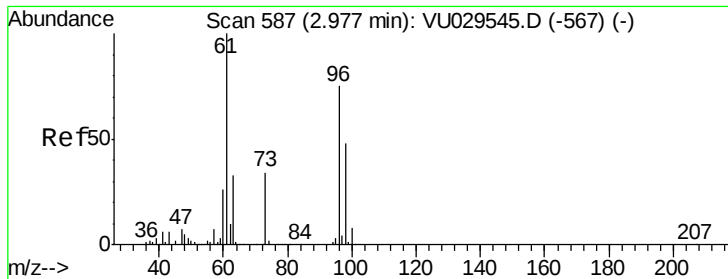


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.134 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU029565.D

Acq: 19 Feb 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

ESXE8DL

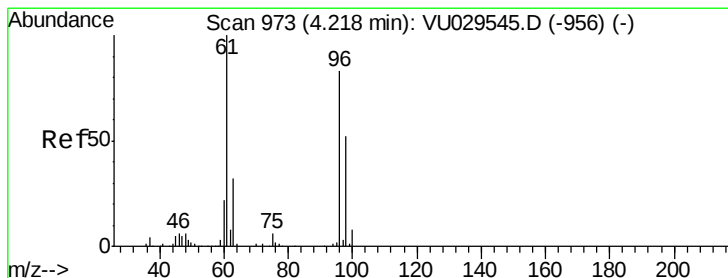
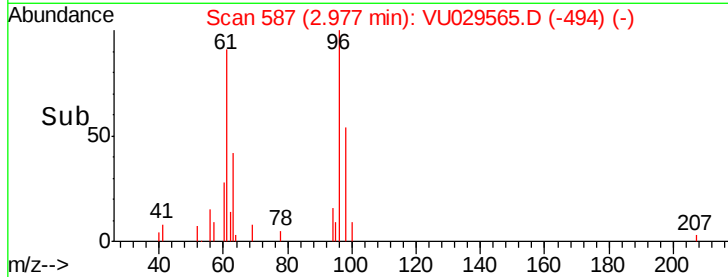
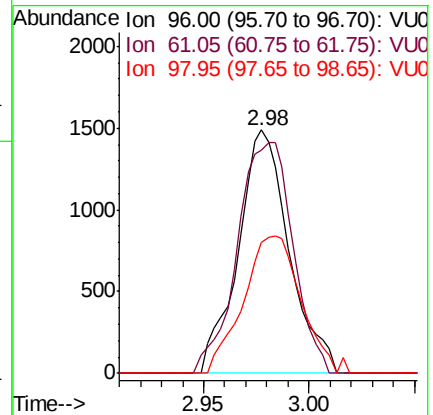
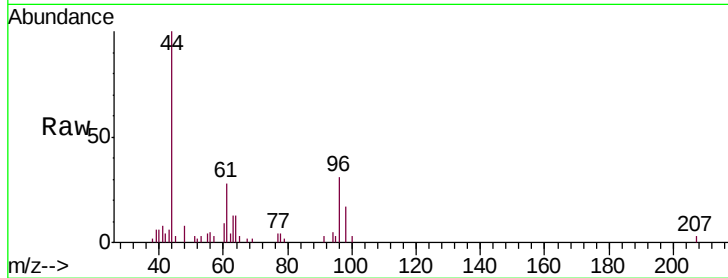
Tgt Ion: 96 Resp: 2503

Ion Ratio Lower Upper

96 100

61 91.5 95.4 177.2#

98 53.9 45.8 85.2



#22

cis-1,2-Dichloroethene

Concen: 7.962 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029565.D

Acq: 19 Feb 2019 19:14

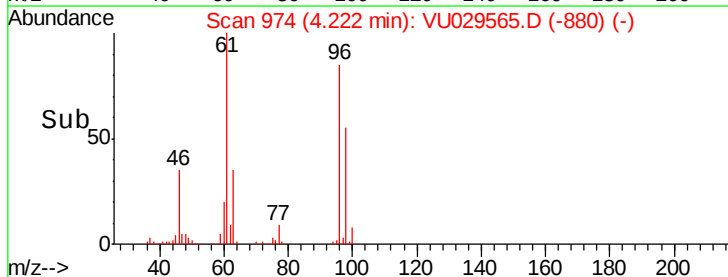
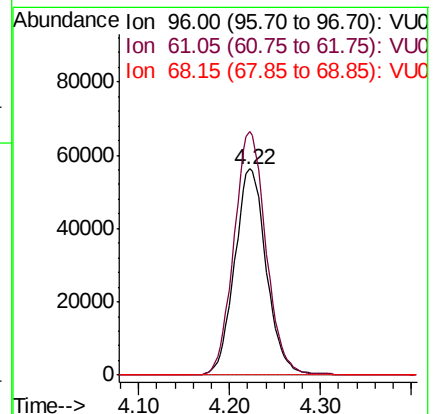
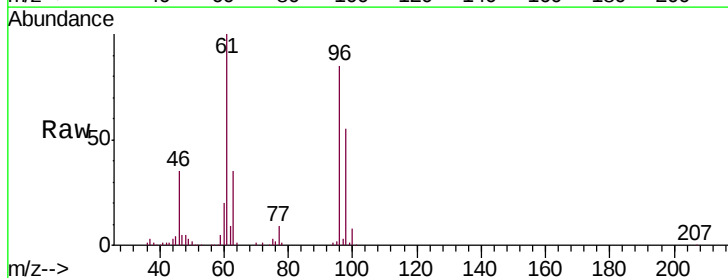
Tgt Ion: 96 Resp: 136571

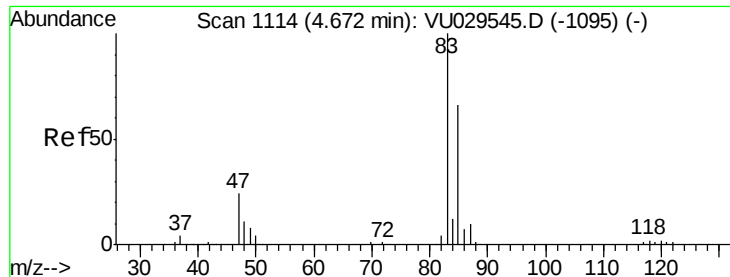
Ion Ratio Lower Upper

96 100

61 118.0 79.9 148.5

68 0.0 0.0 0.0

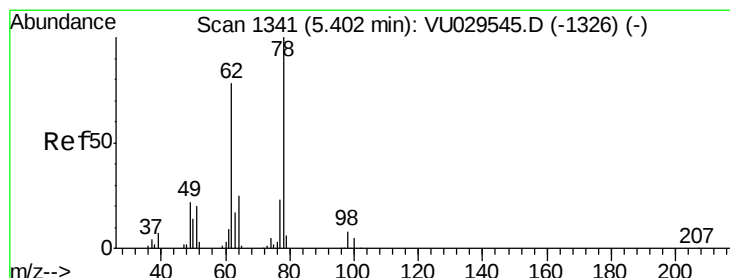
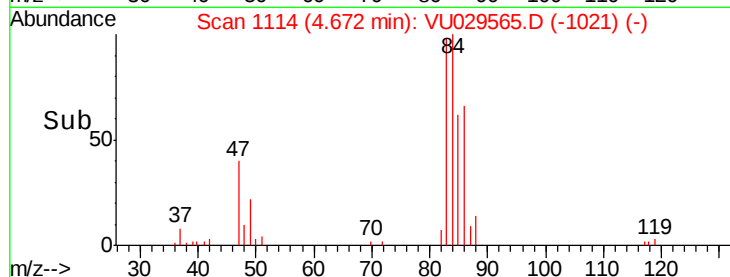
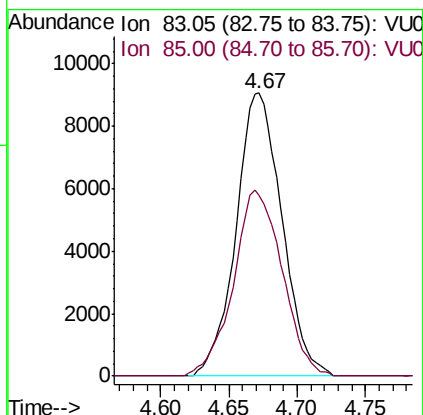
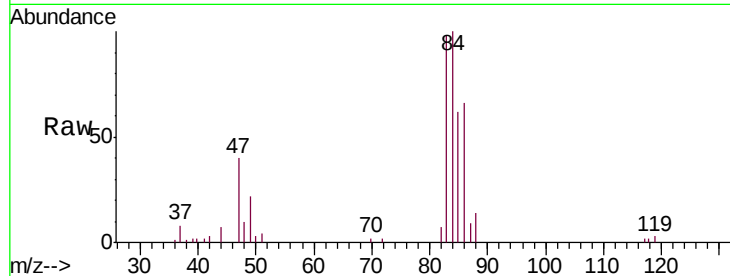




#25
Chloroform
Concen: 0.754 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029565.D
Acq: 19 Feb 2019 19:14

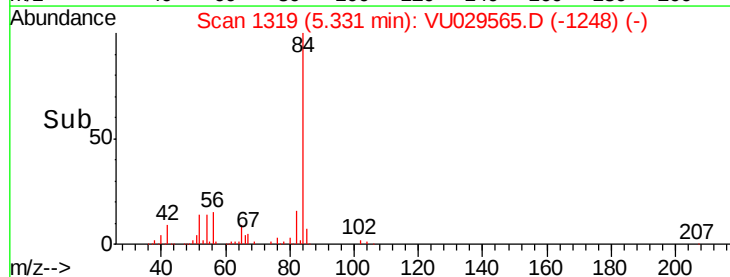
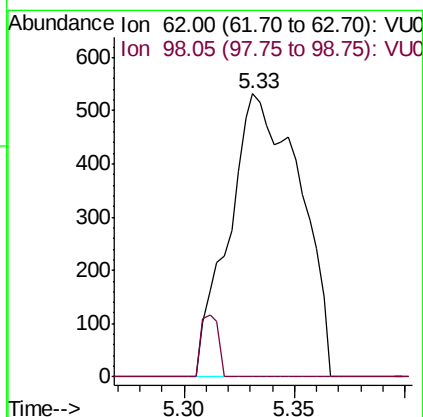
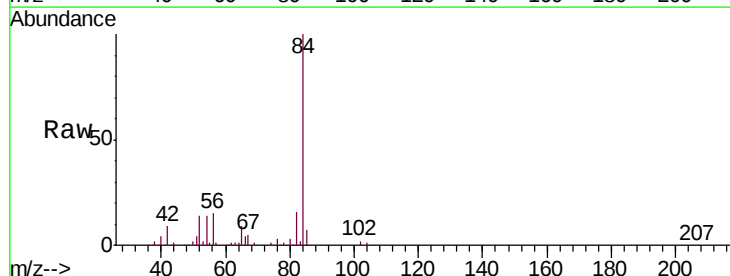
Instrument :
MSVOA_U
ClientSampleId :
ESXE8DL

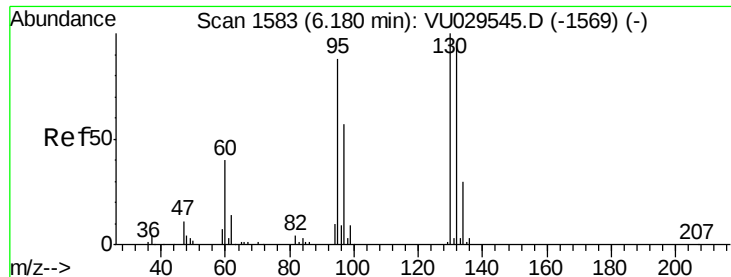
Tgt Ion: 83 Resp: 21199
Ion Ratio Lower Upper
83 100
85 64.0 47.8 88.8



#27
1,2-Dichloroethane
Concen: 0.073 ug/L
RT: 5.33 min Scan# 1319
Delta R.T. -0.07 min
Lab File: VU029565.D
Acq: 19 Feb 2019 19:14

Tgt Ion: 62 Resp: 1185
Ion Ratio Lower Upper
62 100
98 0.0 8.4 12.6#

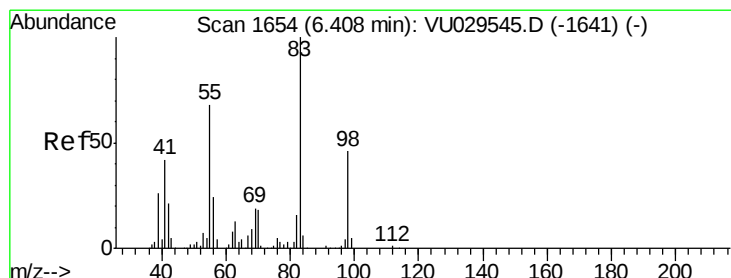
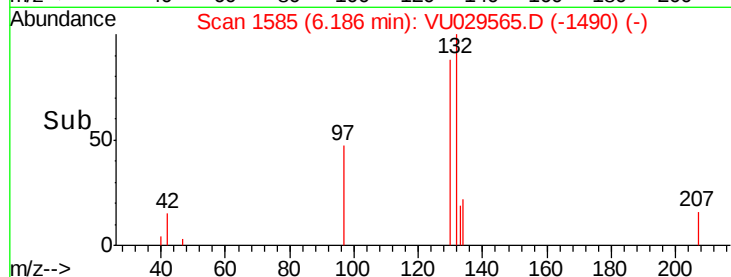
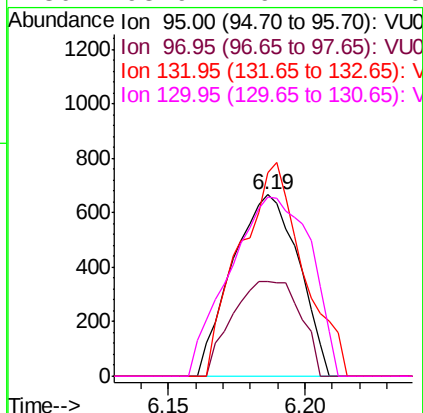
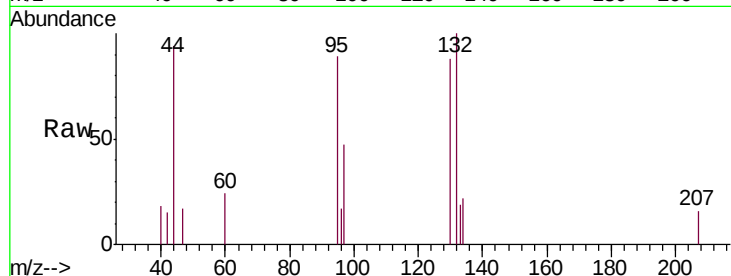




#34
 Trichloroethene
 Concen: 0.067 ug/L
 RT: 6.19 min Scan# 1585
 Delta R.T. 0.01 min
 Lab File: VU029565.D
 Acq: 19 Feb 2019 19:14

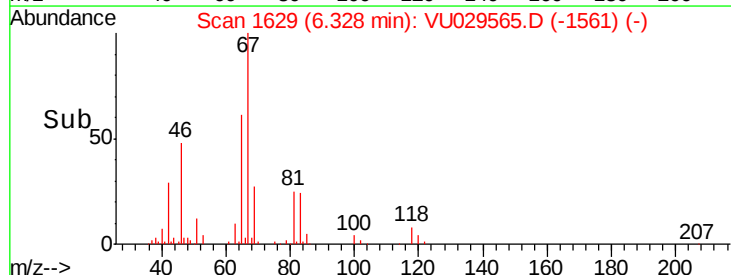
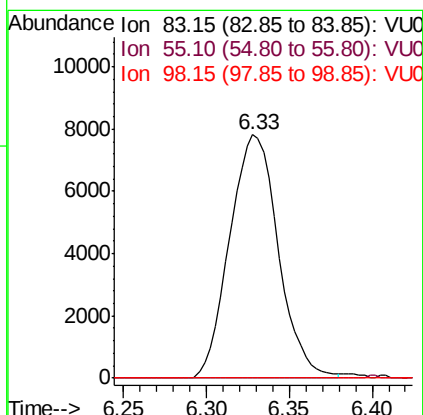
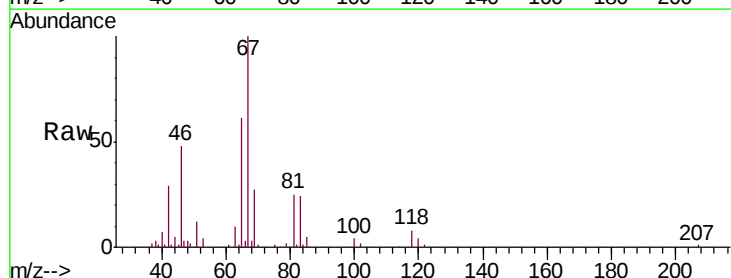
Instrument :
 MSVOA_U
 ClientSampleId :
 ESXE8DL

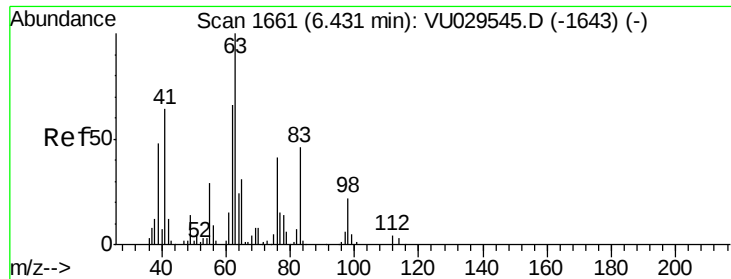
Tgt Ion:	95	Resp:	1125
Ion	Ratio	Lower	Upper
95	100		
97	52.6	46.3	86.1
132	112.6	72.9	135.3
130	98.9	79.2	147.0



#35
 Methylcyclohexane
 Concen: 0.560 ug/L
 RT: 6.33 min Scan# 1629
 Delta R.T. -0.08 min
 Lab File: VU029565.D
 Acq: 19 Feb 2019 19:14

Tgt Ion:	83	Resp:	15922
Ion	Ratio	Lower	Upper
83	100		
55	0.3	55.9	83.9#
98	0.0	38.6	57.8#





#37

1,2-Dichloropropane

Concen: 0.470 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU029565.D

Acq: 19 Feb 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

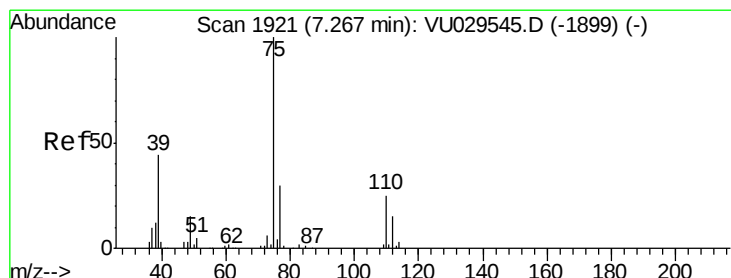
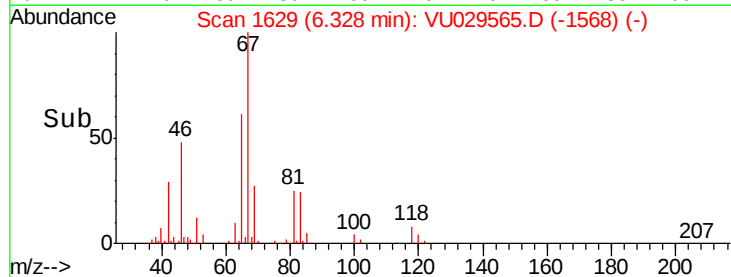
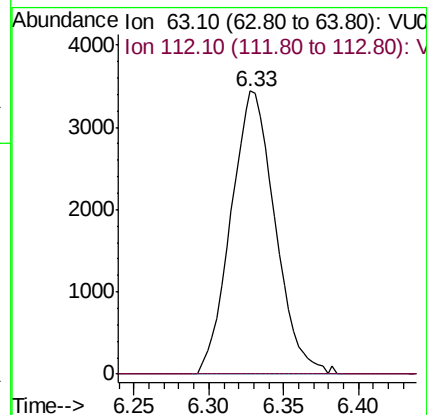
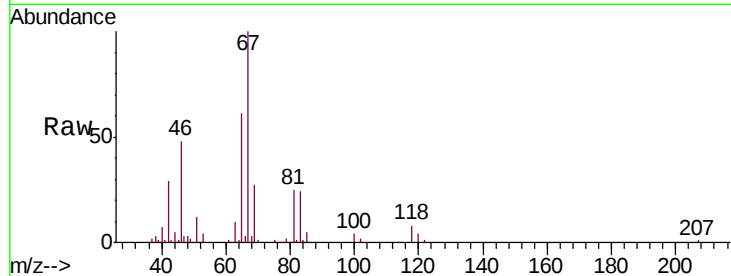
ESXE8DL

Tgt Ion: 63 Resp: 7073

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#



#39

cis-1,3-Dichloropropene

Concen: 0.071 ug/L

RT: 7.23 min Scan# 1910

Delta R.T. -0.04 min

Lab File: VU029565.D

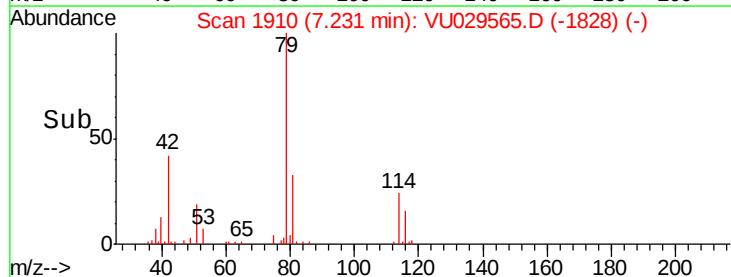
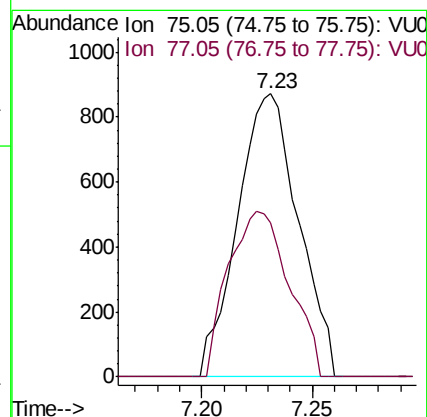
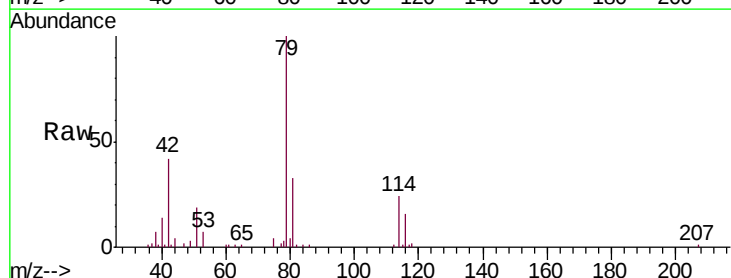
Acq: 19 Feb 2019 19:14

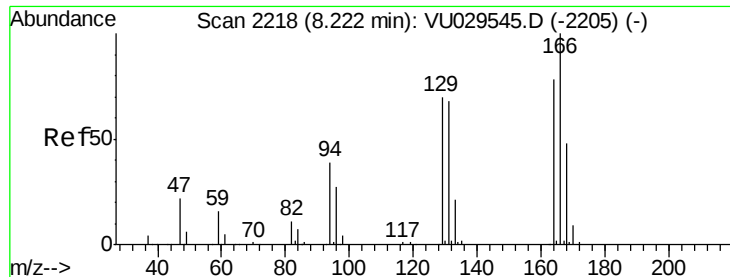
Tgt Ion: 75 Resp: 1672

Ion Ratio Lower Upper

75 100

77 54.5 22.3 41.3#

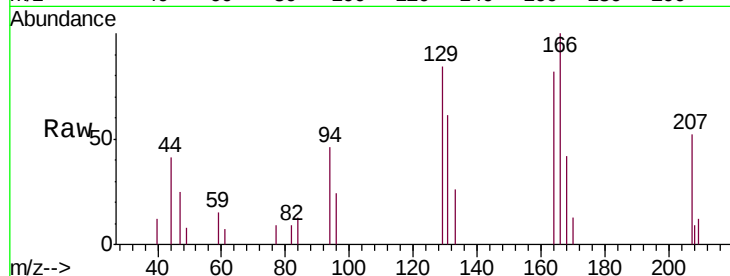




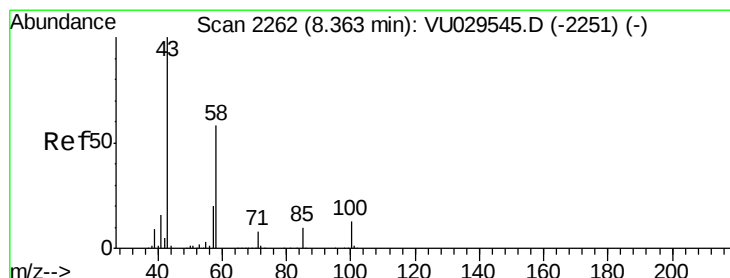
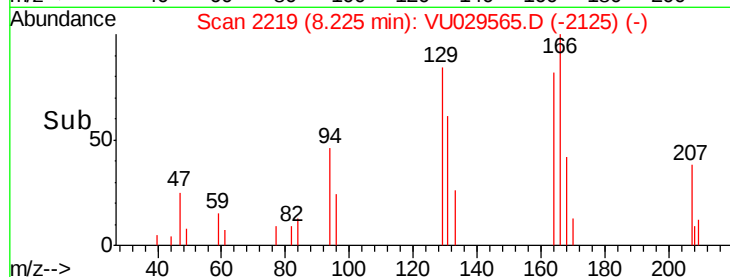
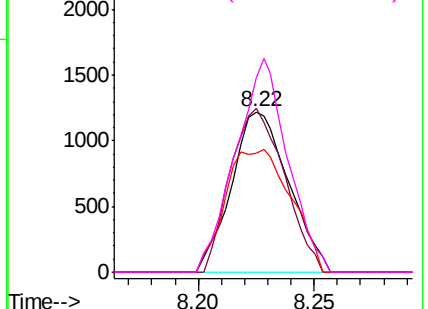
#47
Tetrachloroethene
Concen: 0.135 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU029565.D
Acq: 19 Feb 2019 19:14

Instrument :
MSVOA_U
ClientSampleId :
ESXE8DL

Tgt Ion:164 Resp: 2089
Ion Ratio Lower Upper
164 100
129 101.8 62.9 116.9
131 74.2 62.1 115.3
166 121.3 89.8 166.8

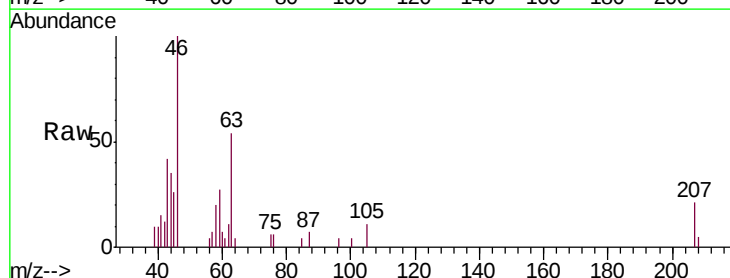


Abundance Ion 163.90 (163.60 to 164.60): V
2500 Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

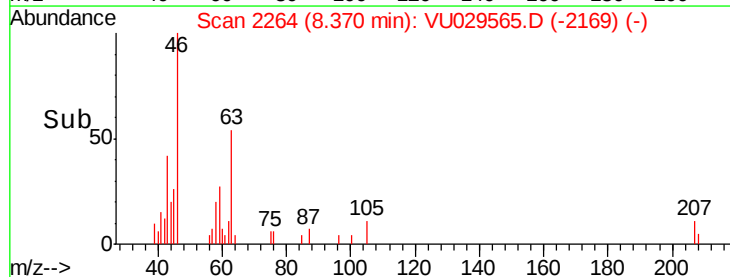
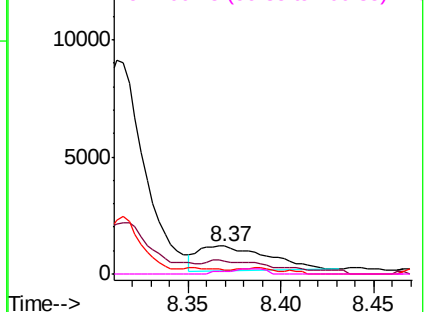


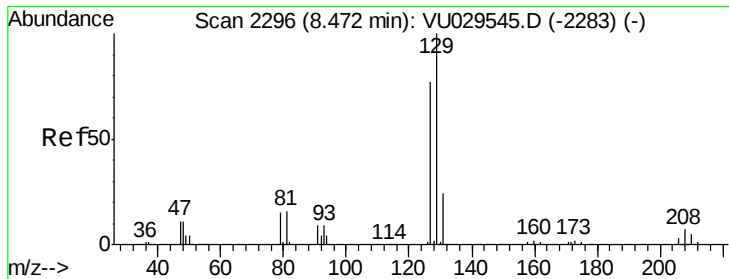
#48
2-Hexanone
Concen: 0.445 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU029565.D
Acq: 19 Feb 2019 19:14

Tgt Ion: 43 Resp: 2815
Ion Ratio Lower Upper
43 100
58 6.6 45.7 68.5#
57 14.1 16.4 24.6#
100 0.0 11.1 16.7#



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

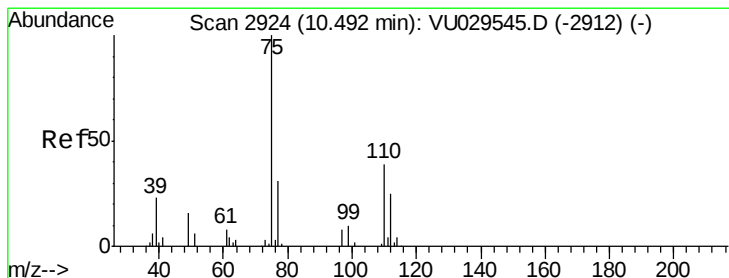
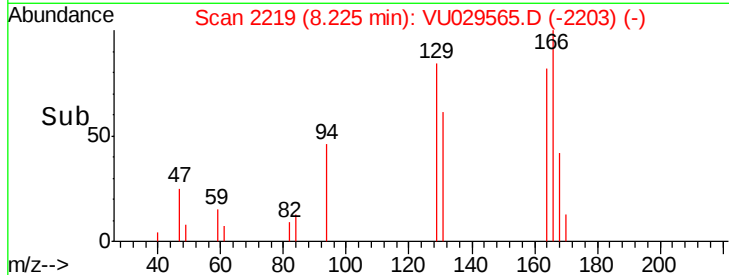
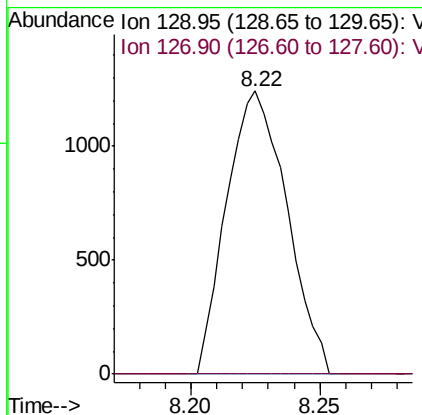
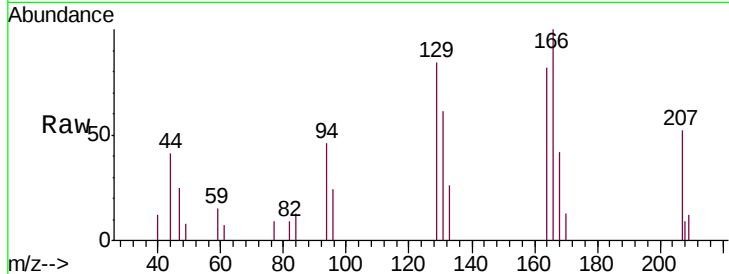




#49
 Dibromochloromethane
 Concen: 0.130 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.25 min
 Lab File: VU029565.D
 Acq: 19 Feb 2019 19:14

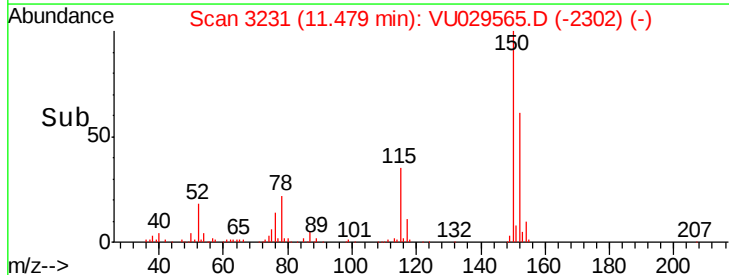
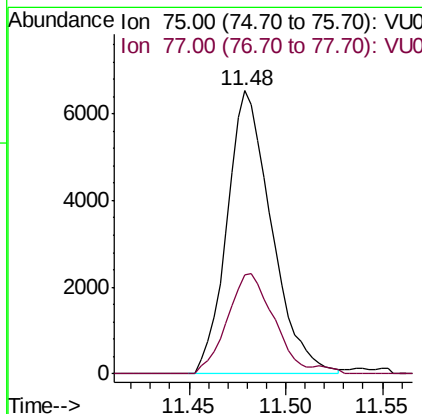
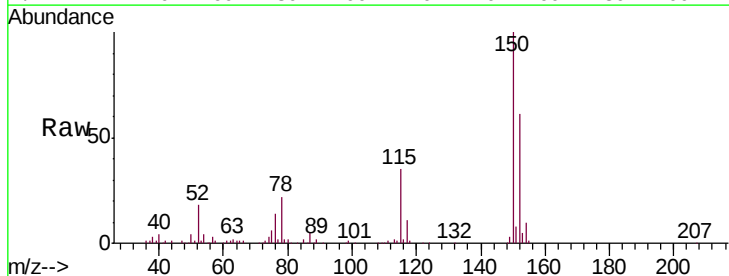
Instrument :
 MSVOA_U
 ClientSampleId :
 ESXE8DL

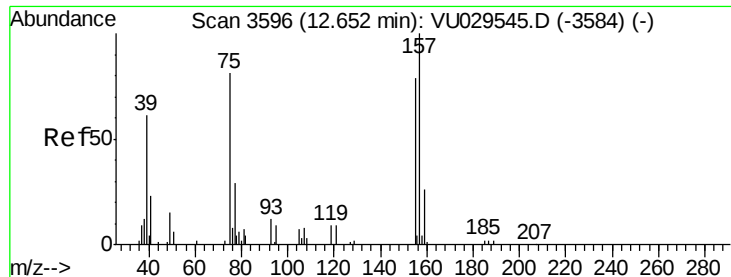
Tgt Ion:129 Resp: 2023
 Ion Ratio Lower Upper
 129 100
 127 0.0 53.3 99.1#



#59
 1,2,3-Trichloropropane
 Concen: 1.082 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU029565.D
 Acq: 19 Feb 2019 19:14

Tgt Ion: 75 Resp: 10445
 Ion Ratio Lower Upper
 75 100
 77 37.0 28.2 42.2





#66

1,2-Dibromo-3-chloropropane

Concen: 0.205 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.18 min

Lab File: VU029565.D

Acq: 19 Feb 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

ESXE8DL

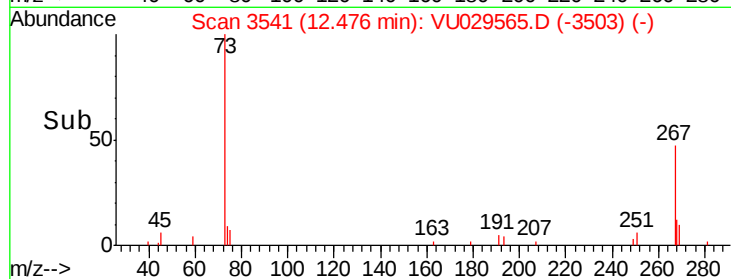
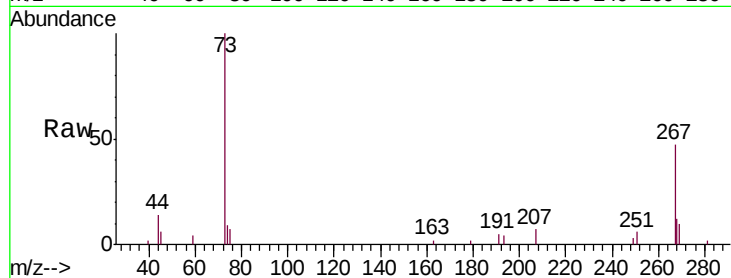
Tgt Ion: 75 Resp: 461

Ion Ratio Lower Upper

75 100

155 0.0 75.3 112.9#

157 0.0 103.0 154.4#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

