

Data File : VU029602.D
Acq On : 21 Feb 2019 16:58
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

Quant Time: Feb 22 03:14:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR022119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 22 03:07:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	249993	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	246498	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	137398	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	76769	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.68	69	71877	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.60%
11) 1,1-Dichloroethene-d2	2.27	63	166365	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.80%
20) 2-Butanone-d5	4.19	46	192443	52.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.26%
24) Chloroform-d	4.65	84	140089	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.31	65	76970	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	5.34	84	303740	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.33	67	90436	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.56	98	298393	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
43) trans-1,3-Dichloropropene-	7.85	79	35792	4.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.60%
46) 2-Hexanone-d5	8.31	63	190127	51.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.64%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	82507	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	129434	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	96419	4.941 ug/L	99
3) Chloromethane	1.33	50	79635	4.722 ug/L	100
5) Vinyl chloride	1.40	62	103060	4.834 ug/L	99
6) Bromomethane	1.63	94	57976	4.912 ug/L	98
8) Chloroethane	1.70	64	65293	4.727 ug/L	97
9) Trichlorofluoromethane	1.88	101	151327	4.787 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	93651	4.800 ug/L	98
12) 1,1-Dichloroethene	2.28	96	88497	4.772 ug/L	99
13) Acetone	2.32	43	130635	49.261 ug/L	100
14) Carbon disulfide	2.48	76	286395	4.702 ug/L	99
15) Methyl Acetate	2.62	43	36965	4.778 ug/L	99
16) Methylene chloride	2.70	84	101251	4.617 ug/L	98
17) Methyl tert-butyl Ether	3.00	73	225343	5.082 ug/L	100
18) trans-1,2-Dichloroethene	2.98	96	97720	4.842 ug/L	99
19) 1,1-Dichloroethane	3.44	63	138667	4.413 ug/L	99
21) 2-Butanone	4.28	43	188693	51.281 ug/L	97
22) cis-1,2-Dichloroethene	4.22	96	89514	4.843 ug/L	93

Data File : VU029602.D
Acq On : 21 Feb 2019 16:58
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

Quant Time: Feb 22 03:14:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR022119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 22 03:07:37 2019
Response via : Initial Calibration

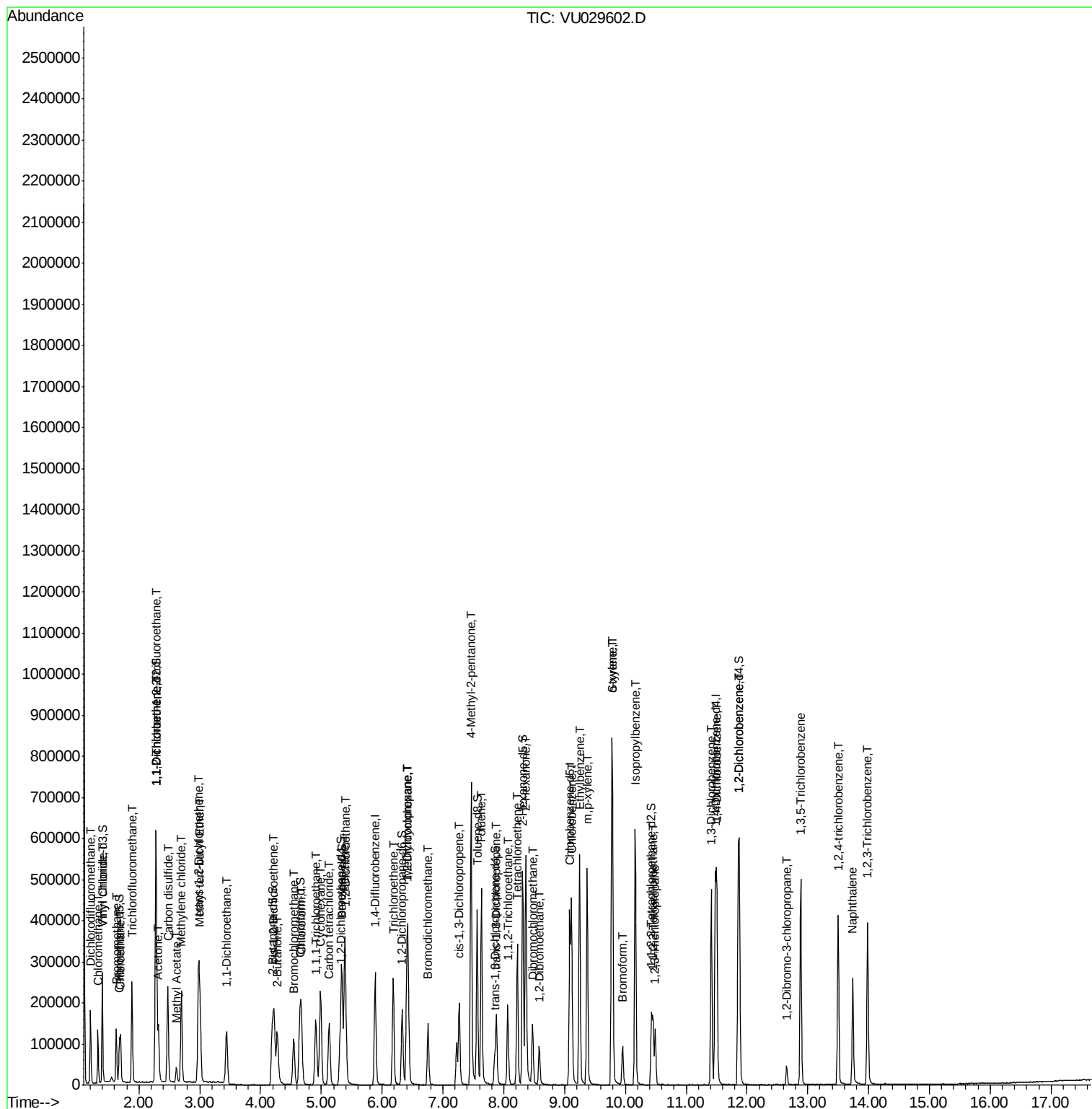
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	41642	4.993	ug/L	99
25) Chloroform	4.67	83	154970	4.926	ug/L	99
27) 1,2-Dichloroethane	5.40	62	91485	4.924	ug/L	99
29) 1,1,1-Trichloroethane	4.91	97	125303	4.890	ug/L	100
30) Cyclohexane	4.99	56	121632	4.797	ug/L	97
31) Carbon tetrachloride	5.13	117	111267	4.989	ug/L	100
33) Benzene	5.39	78	318680	4.892	ug/L	100
34) Trichloroethene	6.18	95	88499	4.866	ug/L	98
35) Methylcyclohexane	6.41	83	144133	4.887	ug/L	99
37) 1,2-Dichloropropane	6.43	63	81283	4.953	ug/L	98
38) Bromodichloromethane	6.76	83	100458	4.904	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	118069	4.916	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	469164	50.868	ug/L	100
42) Toluene	7.63	91	364182	4.929	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	96341	4.997	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	63705	4.957	ug/L	97
47) Tetrachloroethene	8.22	164	82206	4.868	ug/L	98
48) 2-Hexanone	8.36	43	348639	51.686	ug/L	99
49) Dibromochloromethane	8.48	129	77969	5.009	ug/L	97
50) 1,2-Dibromoethane	8.58	107	63682	5.062	ug/L	100
51) Chlorobenzene	9.12	112	252719	4.979	ug/L	99
52) Ethylbenzene	9.25	91	407965	4.937	ug/L	98
53) m,p-xylene	9.37	106	163253	4.927	ug/L	99
54) o-xylene	9.77	106	161624	5.066	ug/L	96
55) Styrene	9.79	104	267968	5.028	ug/L	98
56) Isopropylbenzene	10.16	105	423434	4.946	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	79046	4.990	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	54253	4.951	ug/L	95
61) Bromoform	9.95	173	44171	4.848	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	210747	4.831	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	210592	4.760	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	204580	4.858	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	11392	4.602	ug/L	92
67) 1,3,5-Trichlorobenzene	12.88	180	167674	4.773	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	145328	4.896	ug/L	100
69) Naphthalene	13.74	128	232426	5.065	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	135879	4.888	ug/L	99

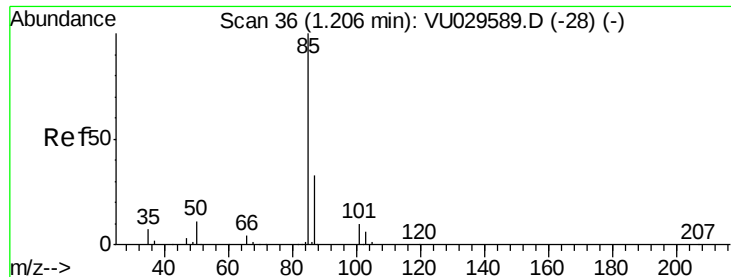
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU029602.D
Acq On : 21 Feb 2019 16:58
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

Quant Time: Feb 22 03:14:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR022119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 22 03:07:37 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.941 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU029602.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_U

ClientSampleId :

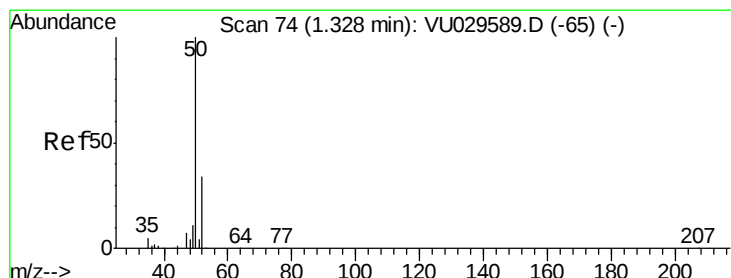
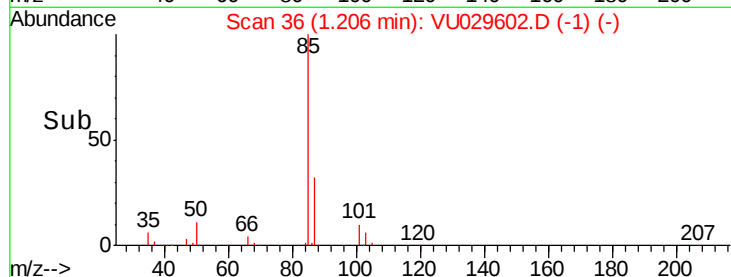
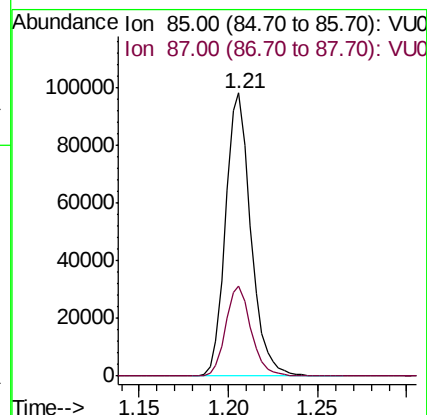
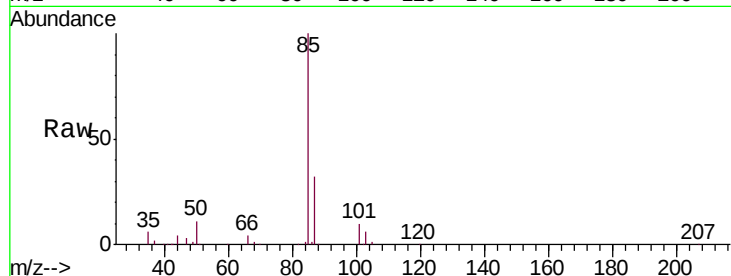
VSTD00552

Tgt Ion: 85 Resp: 96419

Ion Ratio Lower Upper

85 100

87 32.0 26.2 39.4



#3

Chloromethane

Concen: 4.722 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029602.D

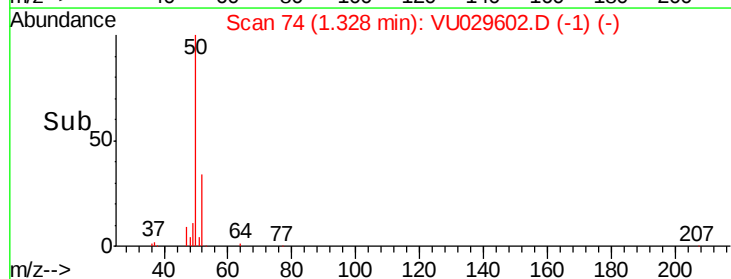
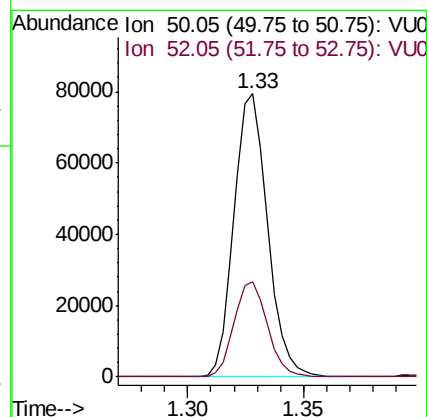
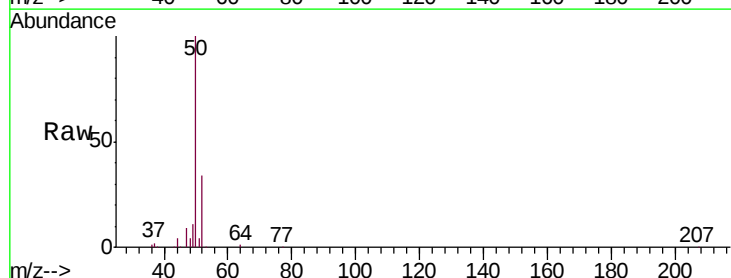
Acq: 21 Feb 2019 16:58

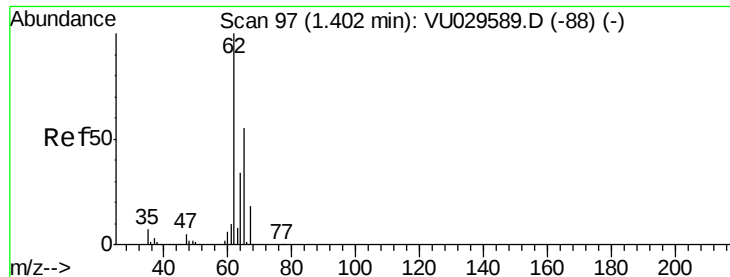
Tgt Ion: 50 Resp: 79635

Ion Ratio Lower Upper

50 100

52 33.6 23.5 43.7





#5

Vinyl chloride

Concen: 4.834 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029602.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_U

ClientSampleId :

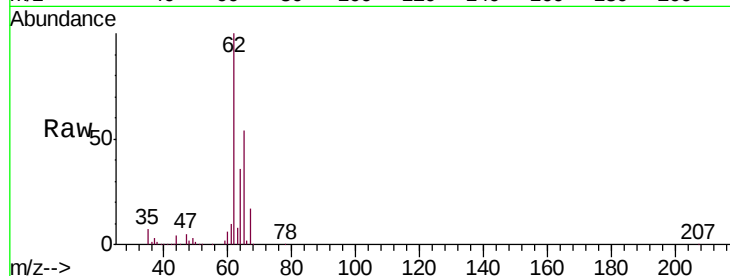
VSTD00552

Tgt Ion: 62 Resp: 103060

Ion Ratio Lower Upper

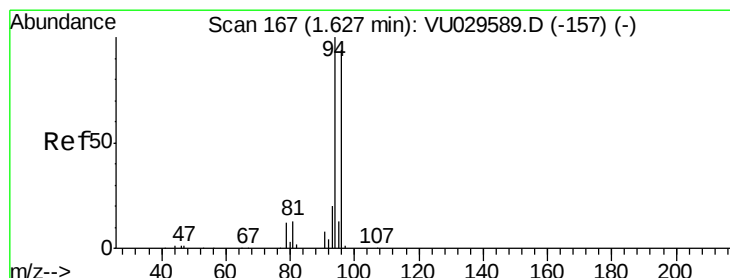
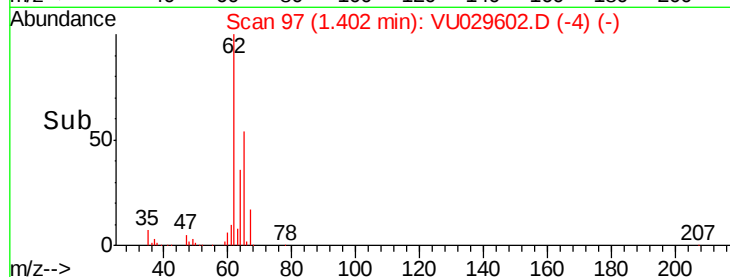
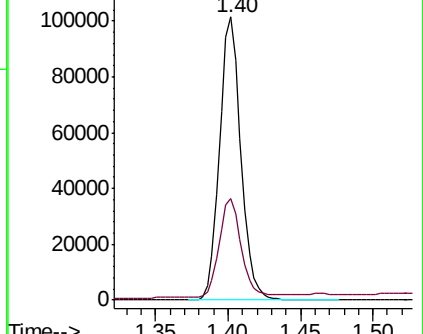
62 100

64 36.0 24.8 46.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.912 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU029602.D

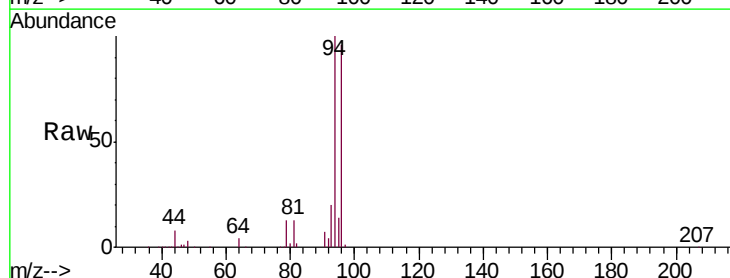
Acq: 21 Feb 2019 16:58

Tgt Ion: 94 Resp: 57976

Ion Ratio Lower Upper

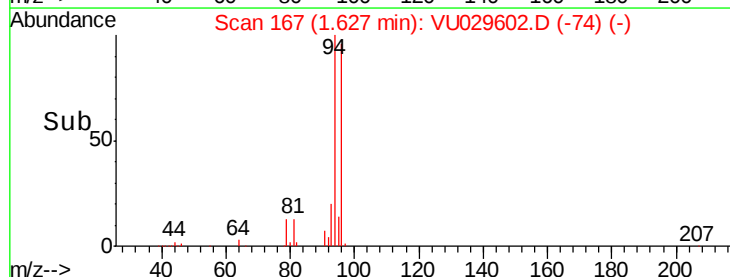
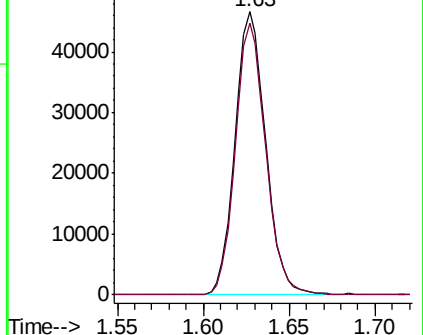
94 100

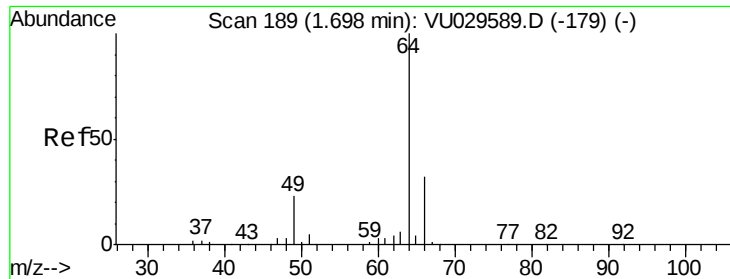
96 96.2 66.0 122.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

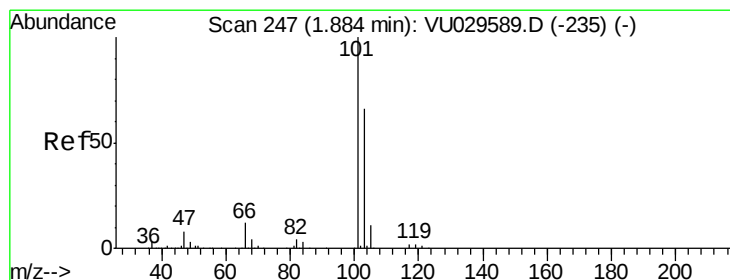
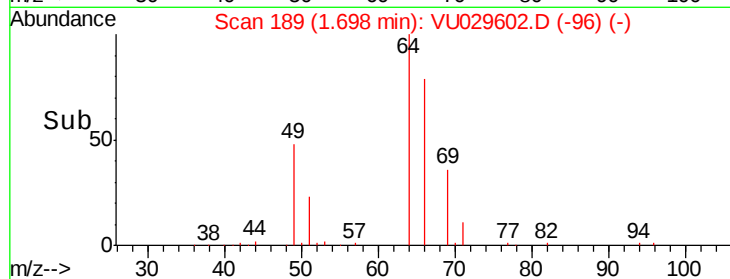
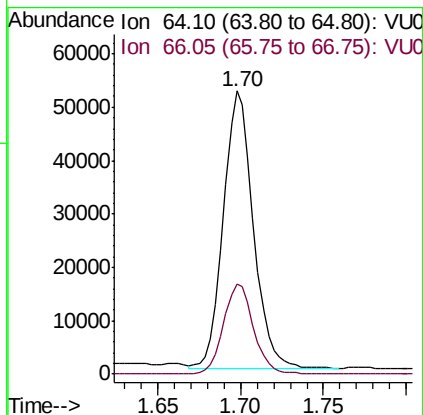
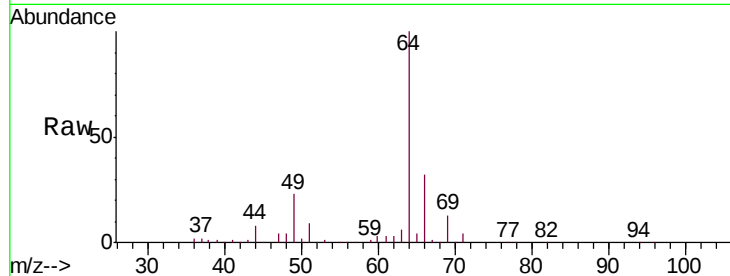




#8
Chloroethane
Concen: 4.727 ug/L
RT: 1.70 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU029602.D
Acq: 21 Feb 2019 16:58

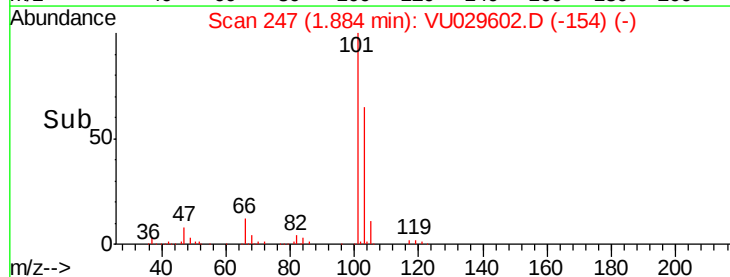
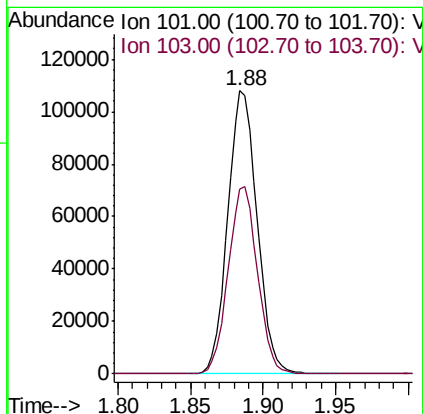
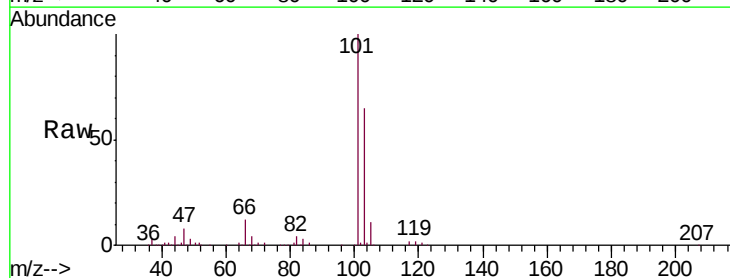
Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

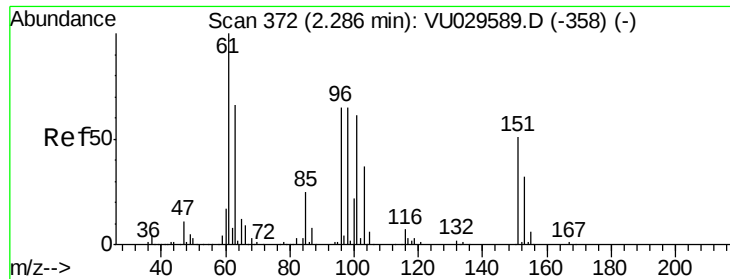
Tgt Ion: 64 Resp: 65293
Ion Ratio Lower Upper
64 100
66 32.0 21.4 39.8



#9
Trichlorofluoromethane
Concen: 4.787 ug/L
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU029602.D
Acq: 21 Feb 2019 16:58

Tgt Ion: 101 Resp: 151327
Ion Ratio Lower Upper
101 100
103 66.0 52.5 78.7





#10

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

Concen: 4.800 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU029602.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00552

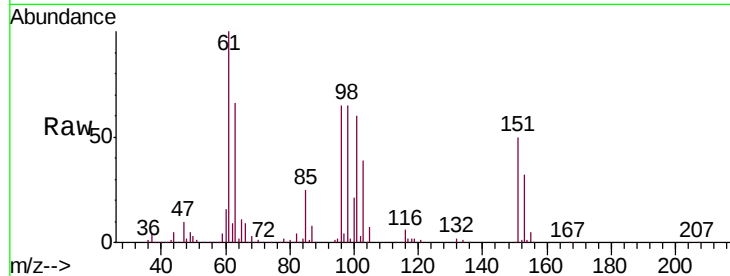
Tgt Ion:101 Resp: 93651

Ion Ratio Lower Upper

101 100

85 42.3 32.8 49.2

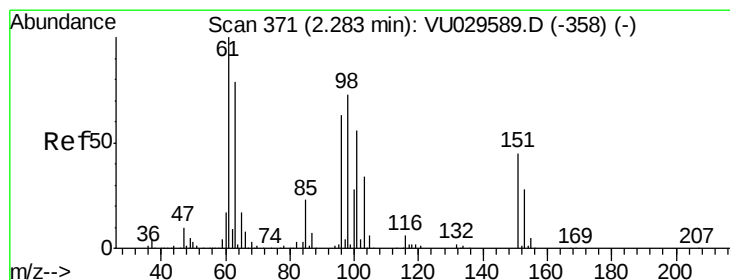
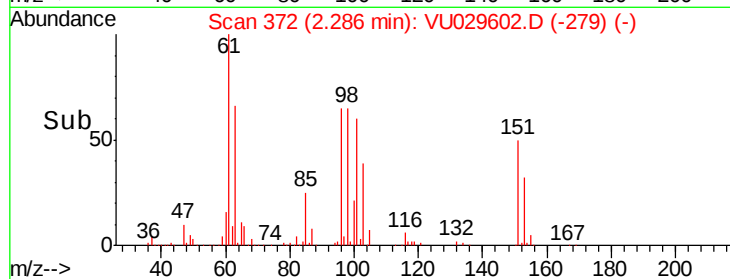
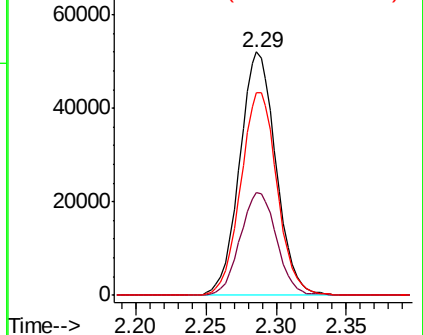
151 83.7 65.9 98.9



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: 4.772 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029602.D

Acq: 21 Feb 2019 16:58

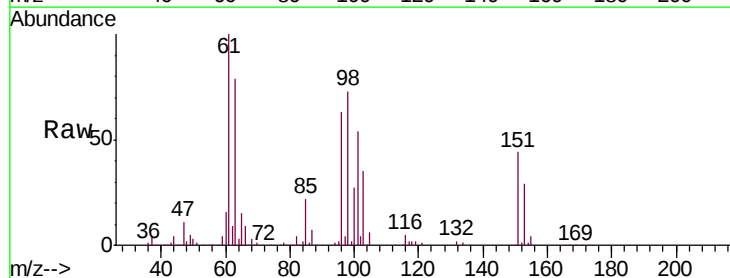
Tgt Ion: 96 Resp: 88497

Ion Ratio Lower Upper

96 100

61 157.6 111.3 206.7

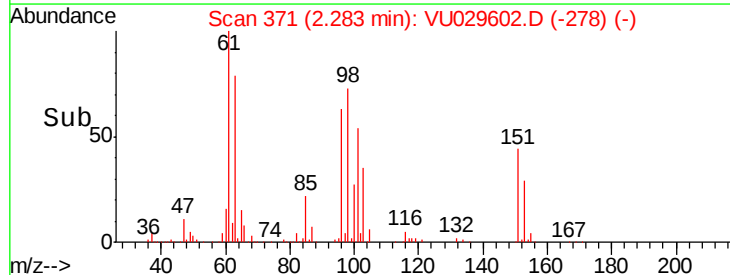
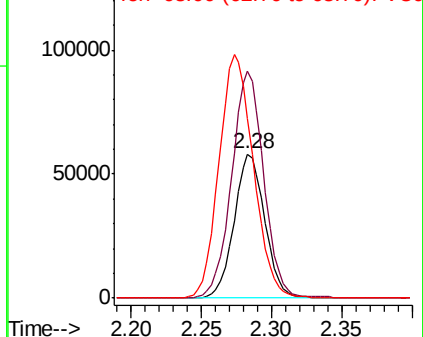
63 124.4 88.5 164.3

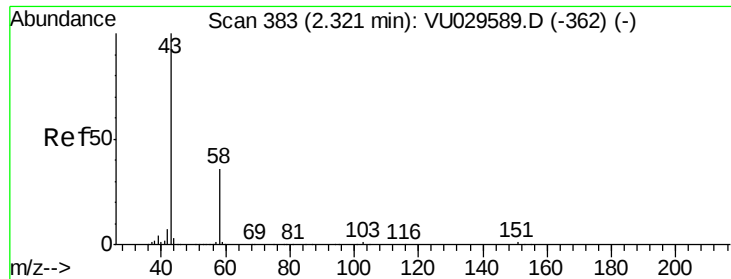


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.261 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029602.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_U

ClientSampleId :

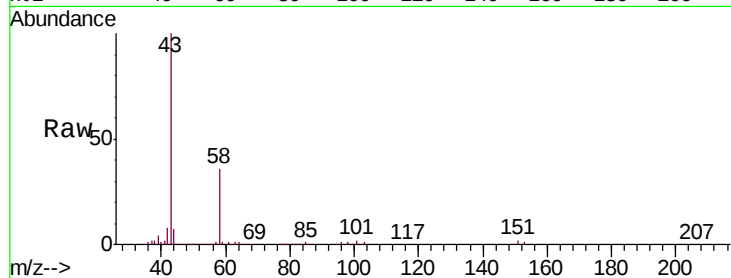
VSTD00552

Tgt Ion: 43 Resp: 130635

Ion Ratio Lower Upper

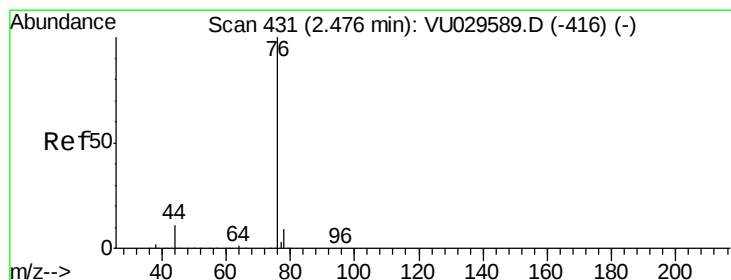
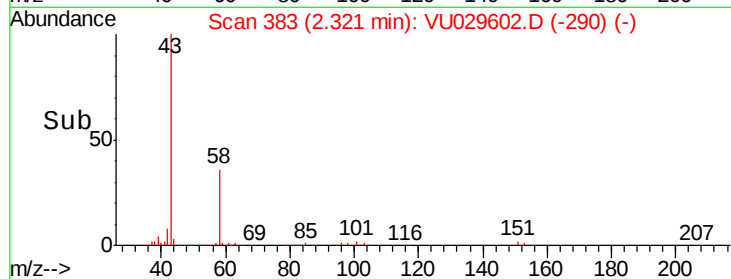
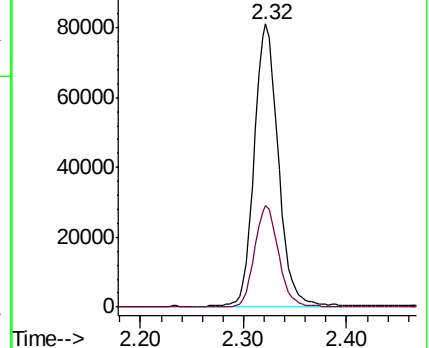
43 100

58 35.3 0.0 70.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.702 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029602.D

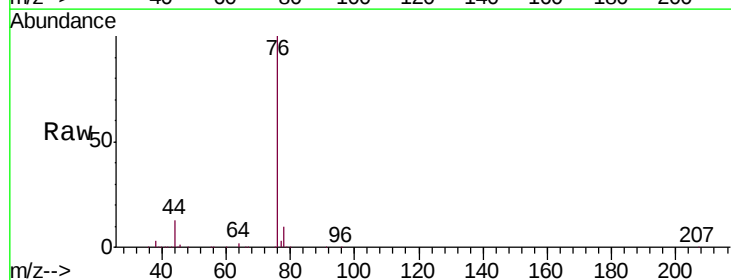
Acq: 21 Feb 2019 16:58

Tgt Ion: 76 Resp: 286395

Ion Ratio Lower Upper

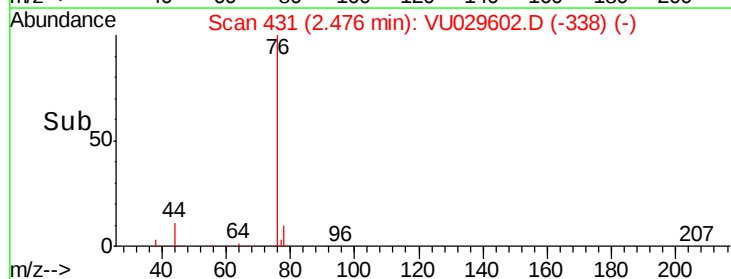
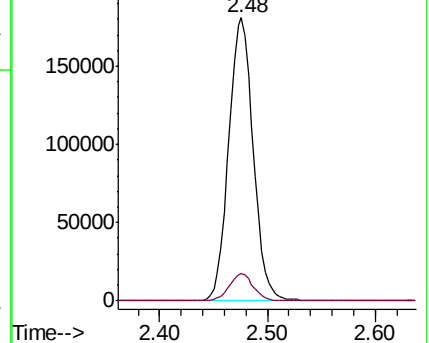
76 100

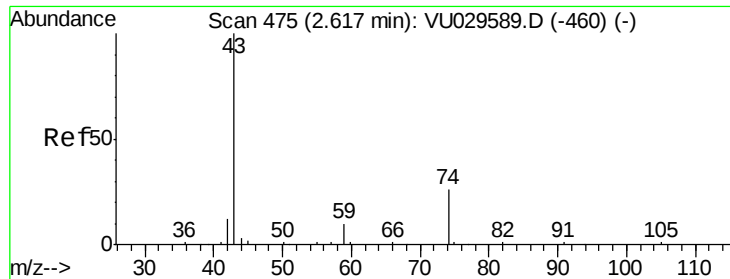
78 9.7 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

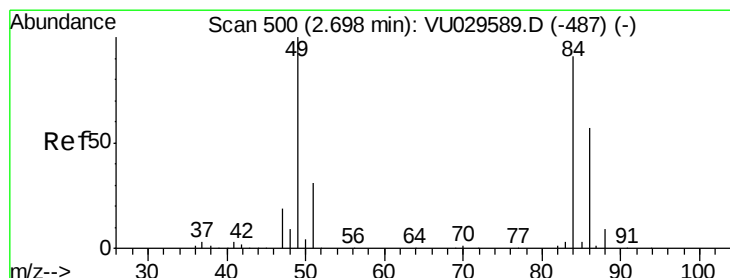
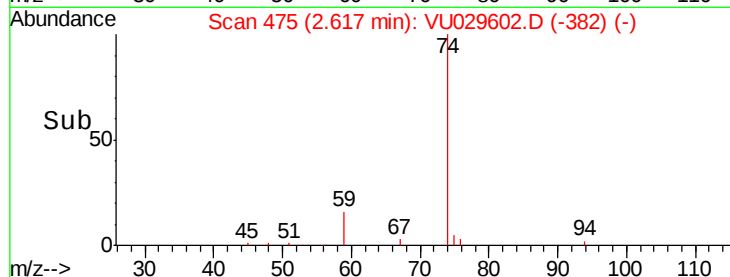
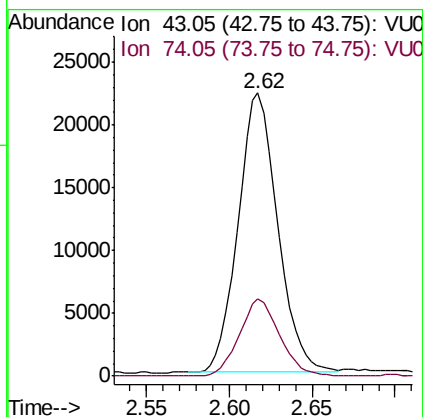
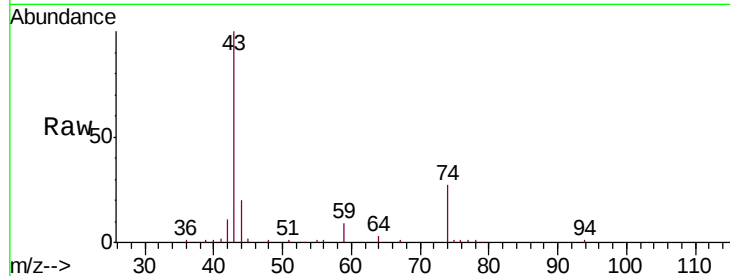




#15
Methyl Acetate
Concen: 4.778 ug/L
RT: 2.62 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU029602.D
Acq: 21 Feb 2019 16:58

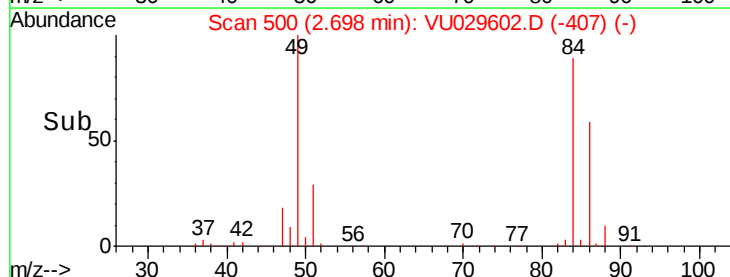
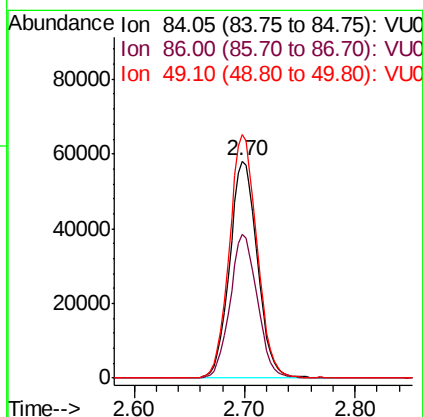
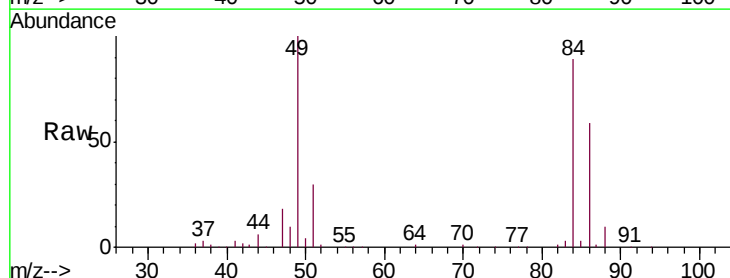
Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

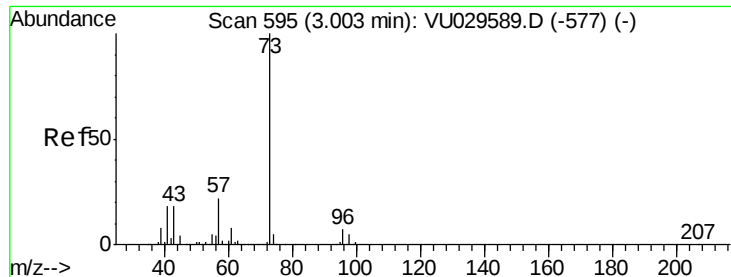
Tgt Ion: 43 Resp: 36965
Ion Ratio Lower Upper
43 100
74 27.7 21.6 32.4



#16
Methylene chloride
Concen: 4.617 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029602.D
Acq: 21 Feb 2019 16:58

Tgt Ion: 84 Resp: 101251
Ion Ratio Lower Upper
84 100
86 66.2 44.2 82.0
49 112.1 77.3 143.5





#17

Methyl tert-butyl Ether

Concen: 5.082 ug/L

RT: 3.00 min Scan# 595

Delta R.T. 0.00 min

Lab File: VU029602.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00552

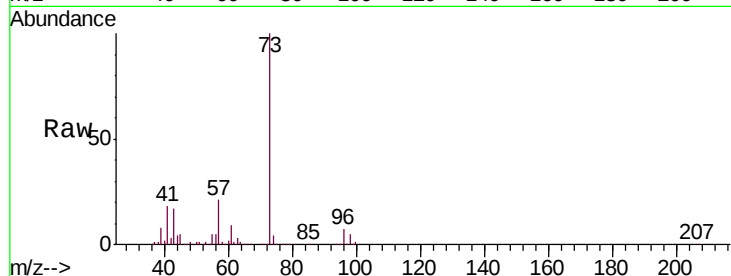
Tgt Ion: 73 Resp: 225343

Ion Ratio Lower Upper

73 100

43 17.3 13.8 20.8

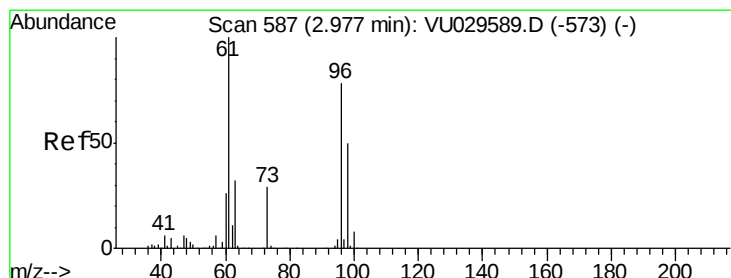
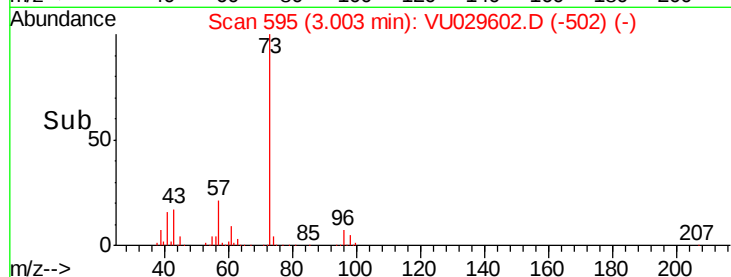
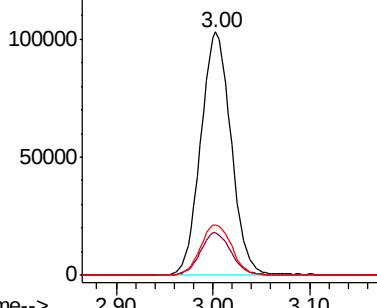
57 21.5 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): VU029589.D (-577) (-)

Ion 43.05 (42.75 to 43.75): VU029589.D (-577) (-)

Ion 57.10 (56.80 to 57.80): VU029589.D (-577) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.842 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU029602.D

Acq: 21 Feb 2019 16:58

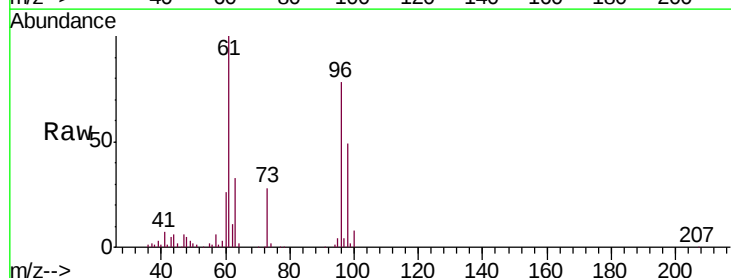
Tgt Ion: 96 Resp: 97720

Ion Ratio Lower Upper

96 100

61 128.4 90.3 167.7

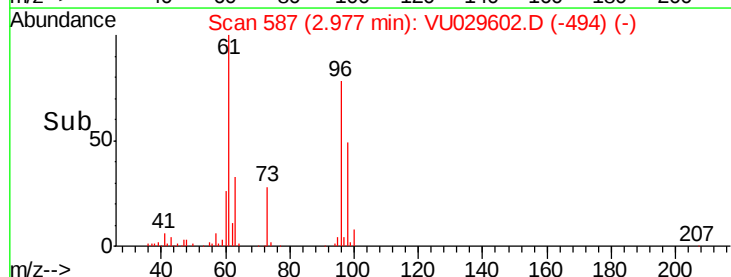
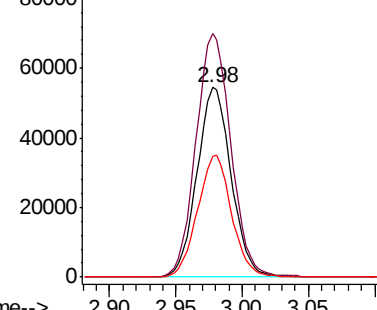
98 63.4 45.2 84.0

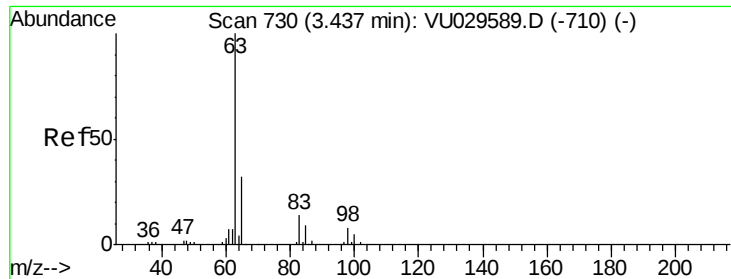


Abundance Ion 96.00 (95.70 to 96.70): VU029589.D (-573) (-)

Ion 61.05 (60.75 to 61.75): VU029589.D (-573) (-)

Ion 97.95 (97.65 to 98.65): VU029589.D (-573) (-)

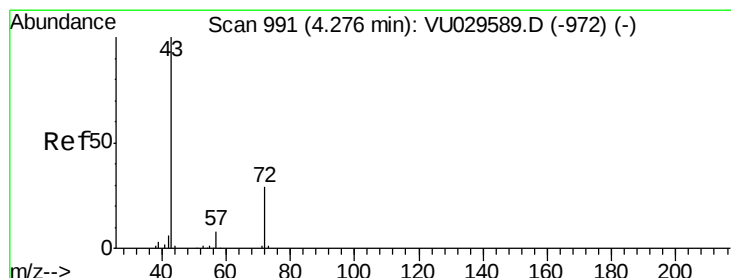
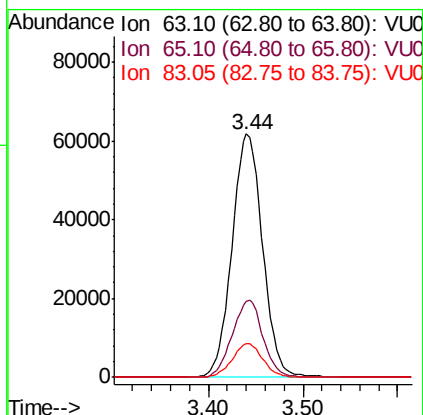
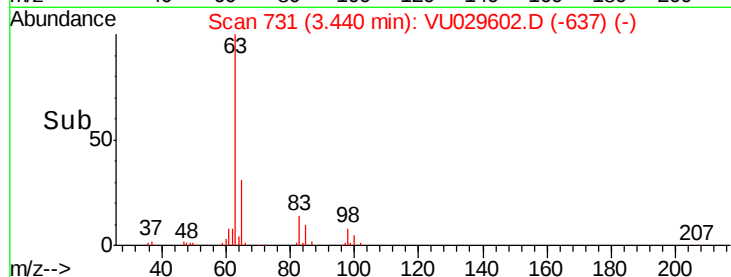
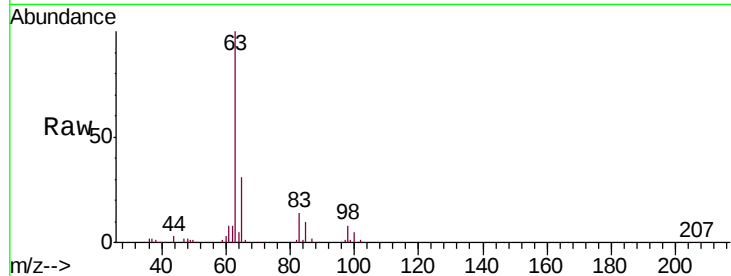




#19
 1,1-Dichloroethane
 Concen: 4.413 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU029602.D
 Acq: 21 Feb 2019 16:58

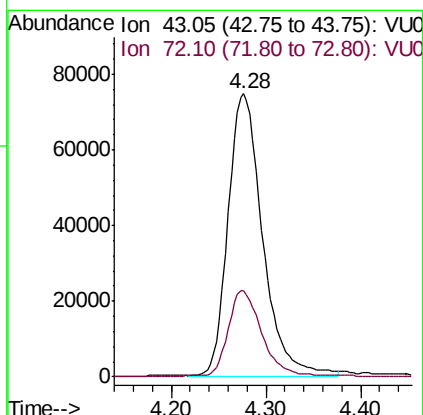
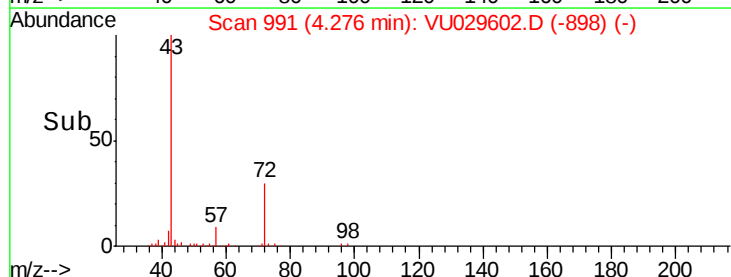
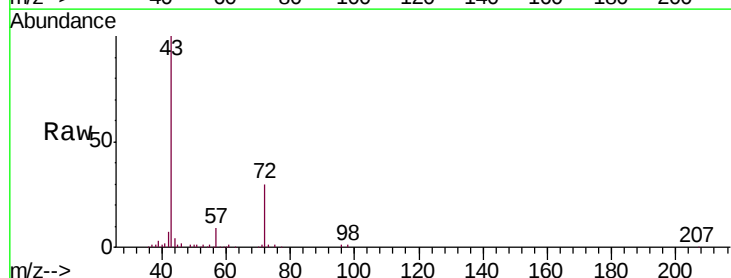
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00552

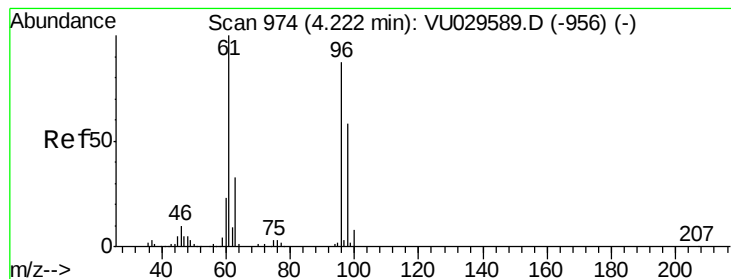
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.0	22.3	41.5
83	13.8	9.9	18.5



#21
 2-Butanone
 Concen: 51.281 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VU029602.D
 Acq: 21 Feb 2019 16:58

Tgt Ion	Ratio	Lower	Upper
43	100		
72	29.3	15.4	46.4



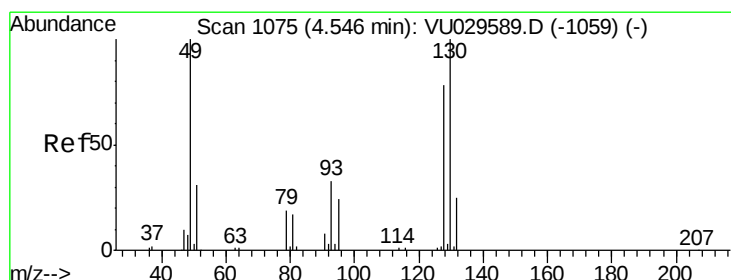
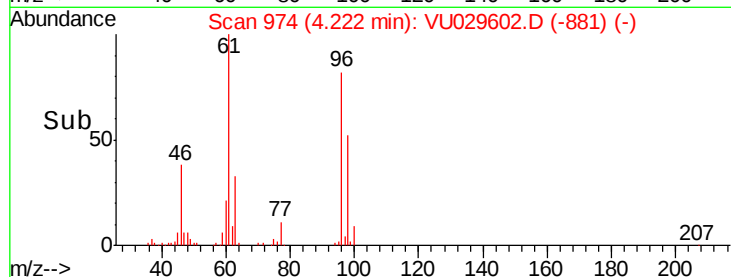
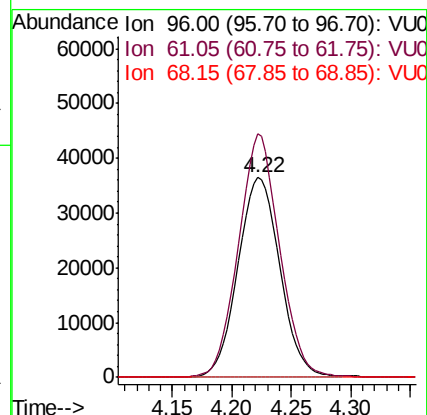
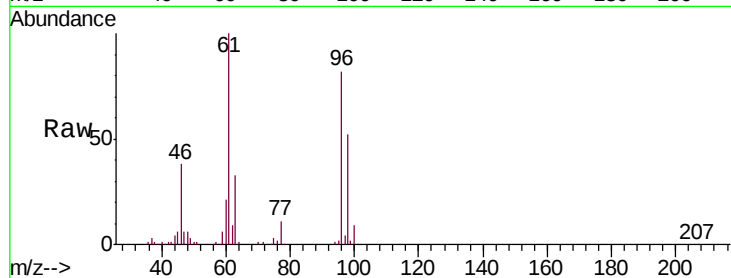


#22

cis-1,2-Dichloroethene
 Concen: 4.843 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029602.D
 Acq: 21 Feb 2019 16:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00552

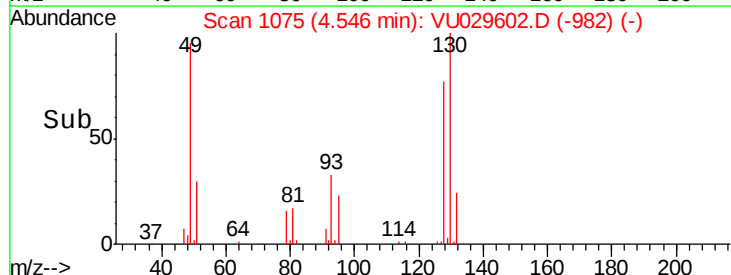
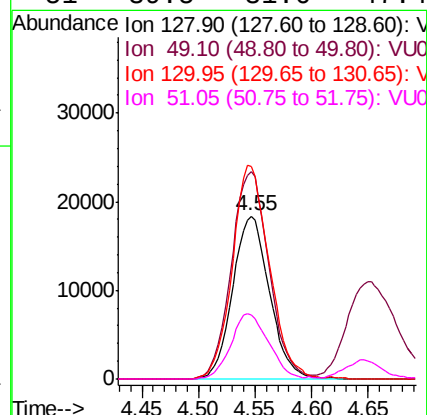
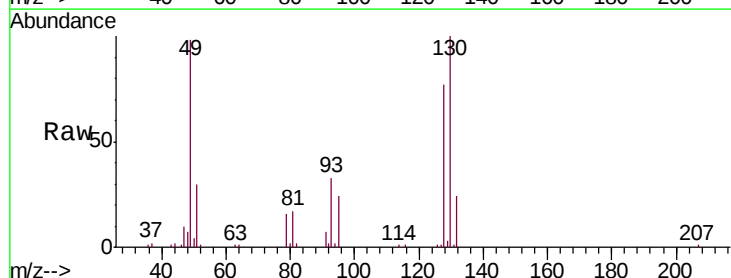
Tgt Ion: 96 Resp: 89514
 Ion Ratio Lower Upper
 96 100
 61 122.0 80.2 149.0
 68 0.0 0.0 0.0

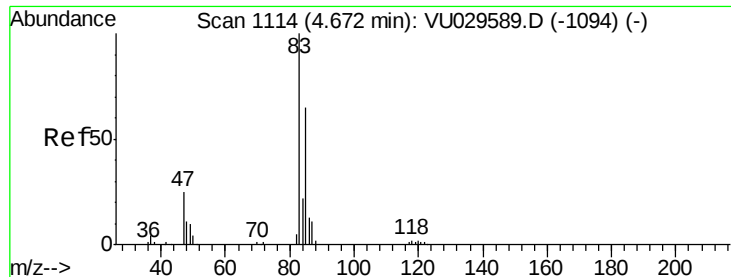


#23

Bromochloromethane
 Concen: 4.993 ug/L
 RT: 4.55 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VU029602.D
 Acq: 21 Feb 2019 16:58

Tgt Ion: 128 Resp: 41642
 Ion Ratio Lower Upper
 128 100
 49 127.4 89.6 166.4
 130 130.7 90.1 167.3
 51 39.5 31.6 47.4

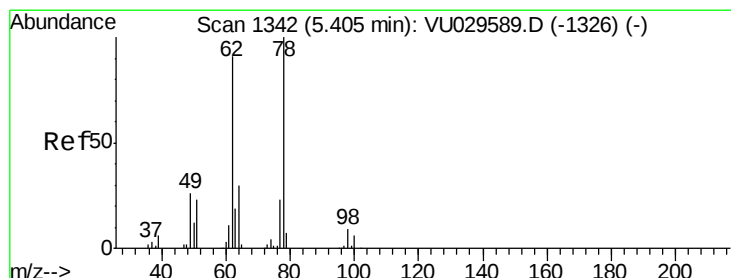
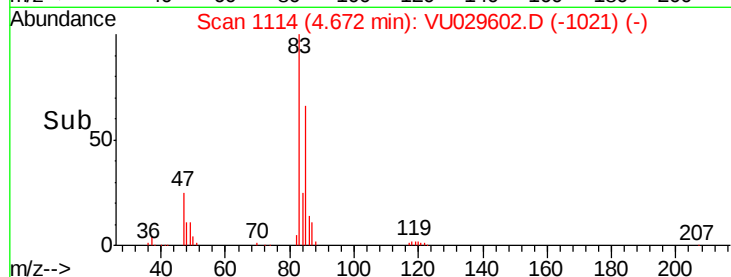
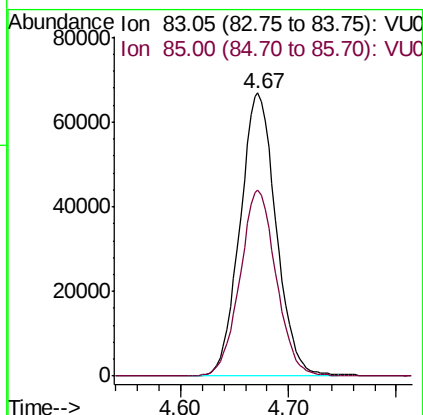
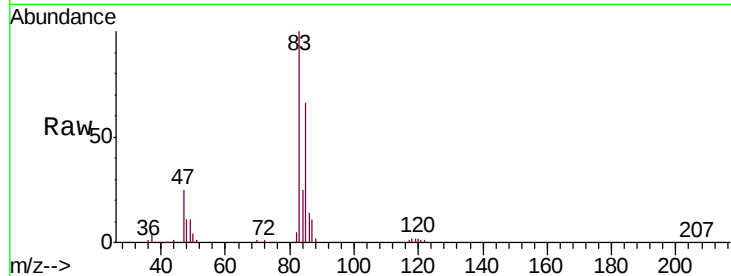




#25
Chloroform
Concen: 4.926 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029602.D
Acq: 21 Feb 2019 16:58

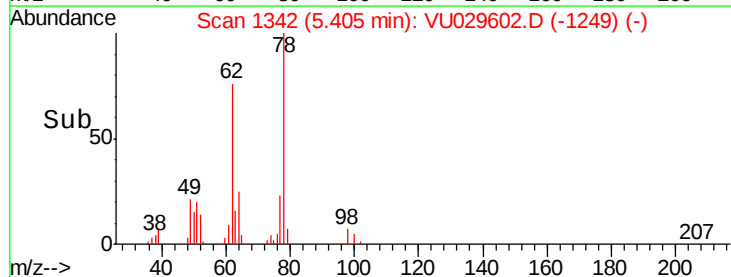
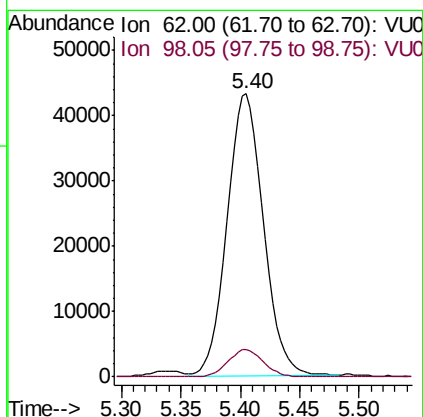
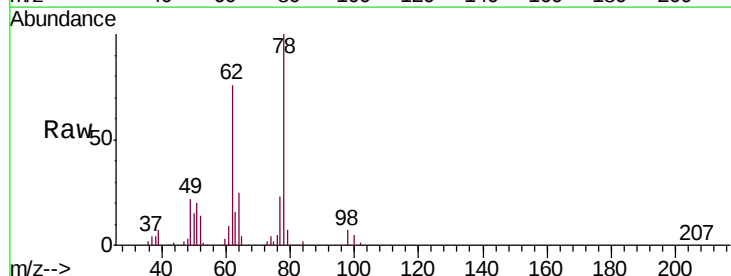
Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

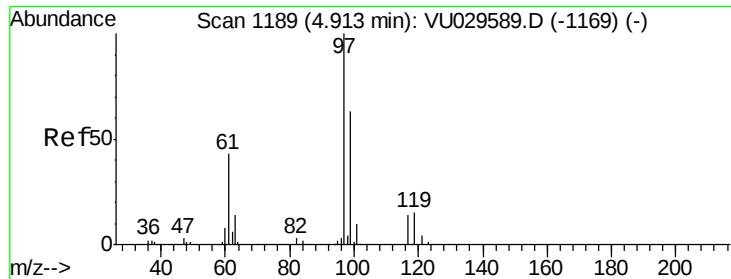
Tgt Ion: 83 Resp: 154970
Ion Ratio Lower Upper
83 100
85 65.7 45.6 84.6



#27
1,2-Dichloroethane
Concen: 4.924 ug/L
RT: 5.40 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VU029602.D
Acq: 21 Feb 2019 16:58

Tgt Ion: 62 Resp: 91485
Ion Ratio Lower Upper
62 100
98 9.7 7.6 11.4

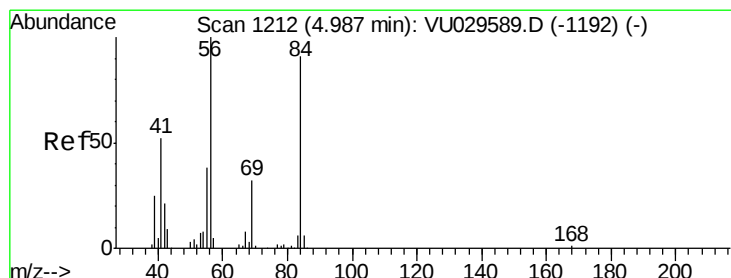
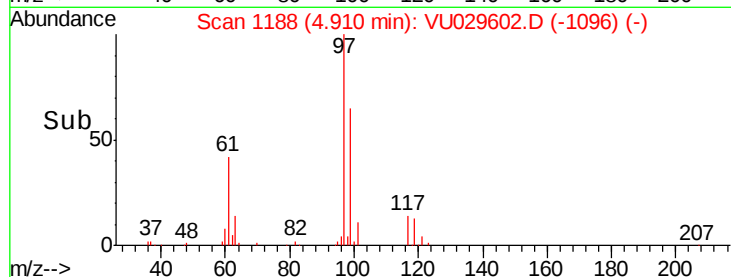
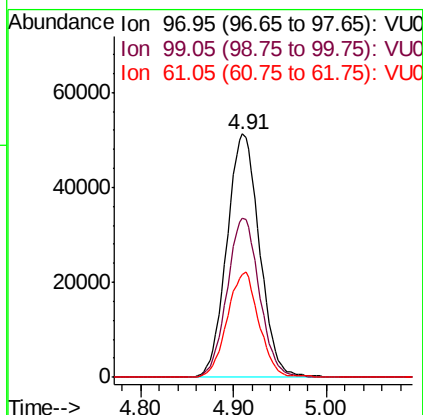
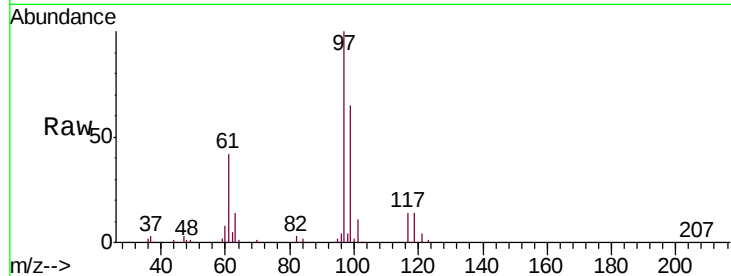




#29
 1,1,1-Trichloroethane
 Concen: 4.890 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU029602.D
 Acq: 21 Feb 2019 16:58

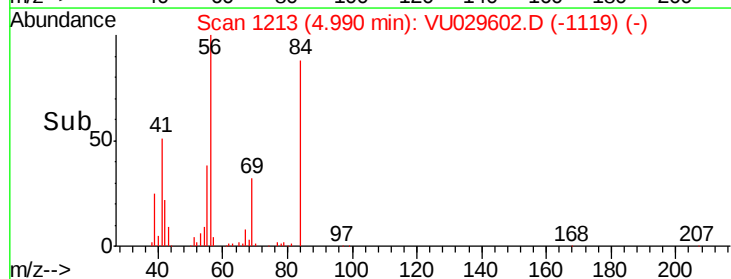
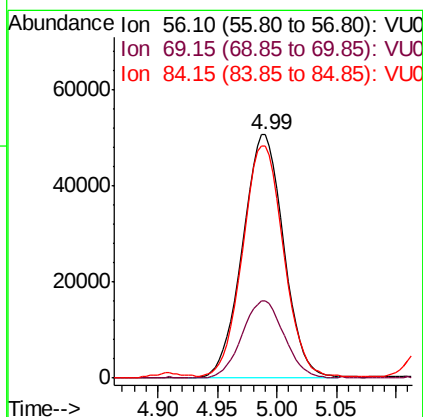
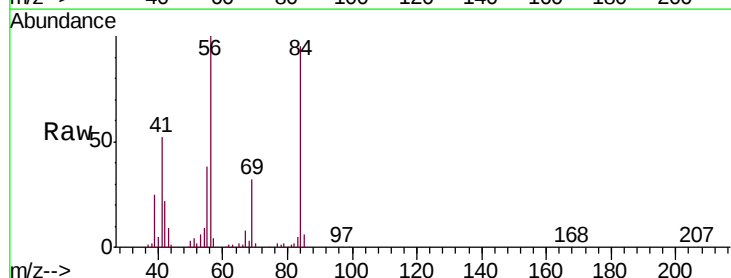
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00552

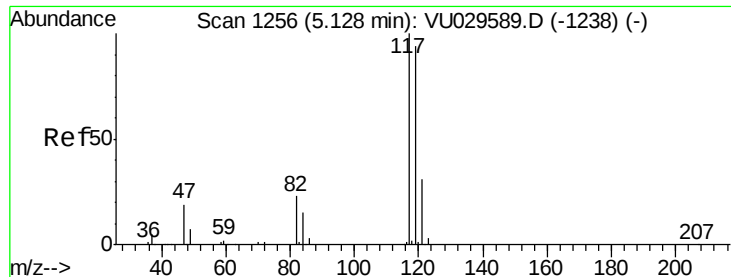
Tgt Ion: 97 Resp: 125303
 Ion Ratio Lower Upper
 97 100
 99 64.8 52.2 78.2
 61 41.7 33.5 50.3



#30
 Cyclohexane
 Concen: 4.797 ug/L
 RT: 4.99 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: VU029602.D
 Acq: 21 Feb 2019 16:58

Tgt Ion: 56 Resp: 121632
 Ion Ratio Lower Upper
 56 100
 69 32.5 25.8 38.8
 84 96.0 73.5 110.3





#31

Carbon tetrachloride

Concen: 4.989 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU029602.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_U

ClientSampleId :

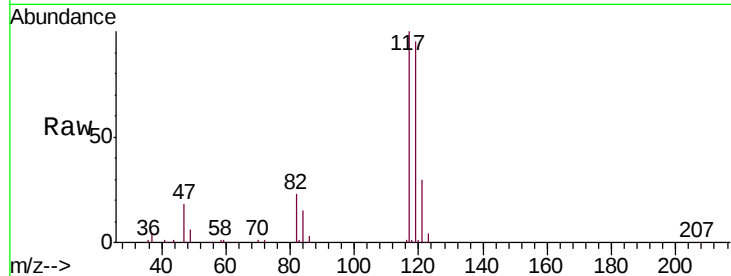
VSTD00552

Tgt Ion:117 Resp: 111267

Ion Ratio Lower Upper

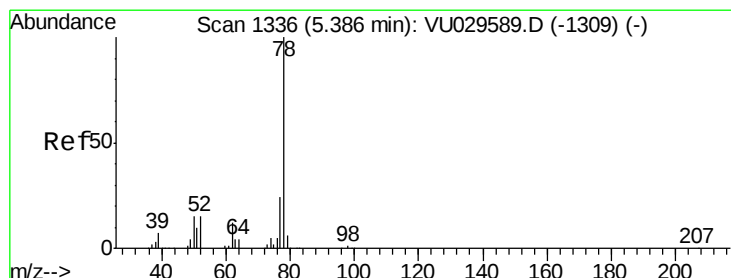
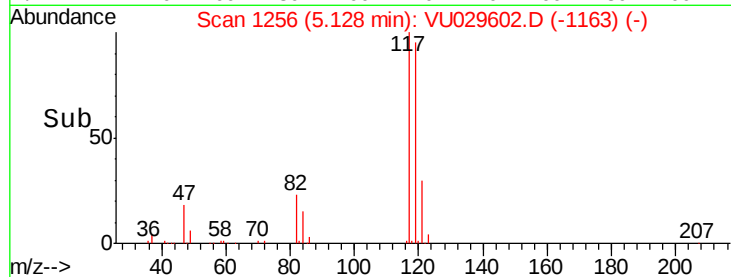
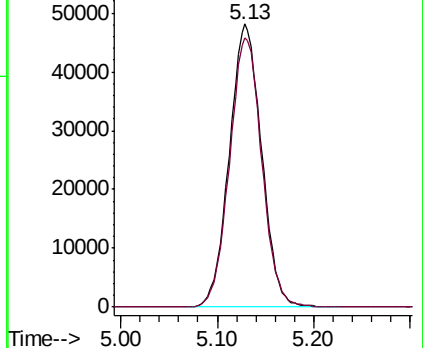
117 100

119 95.1 75.8 113.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.892 ug/L

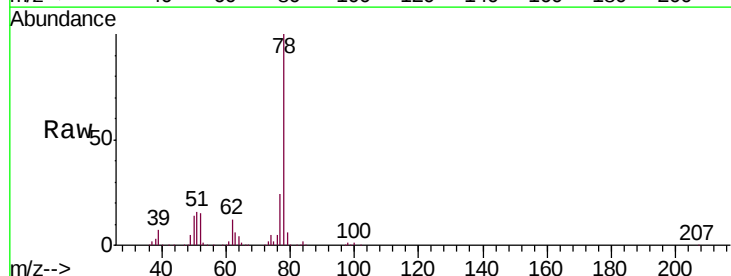
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

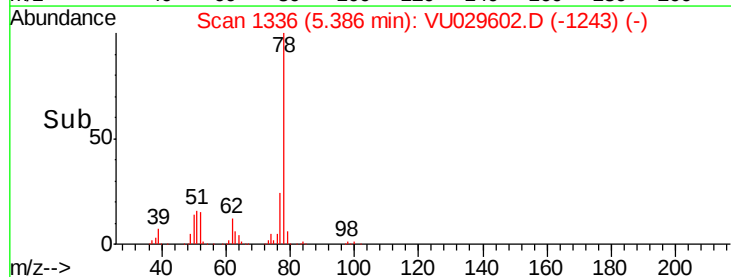
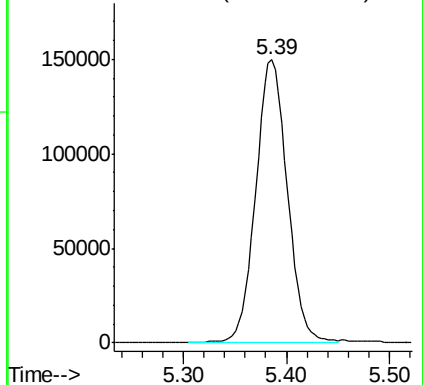
Lab File: VU029602.D

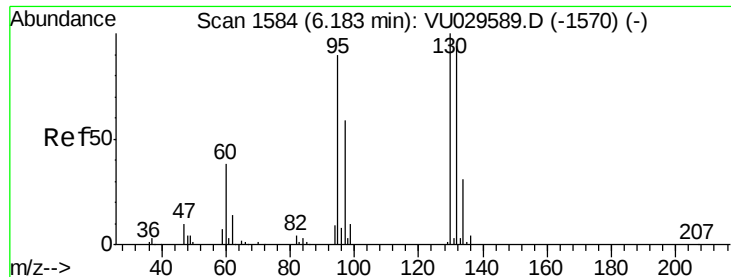
Acq: 21 Feb 2019 16:58

Tgt Ion: 78 Resp: 318680



Abundance Ion 78.10 (77.80 to 78.80): VU0

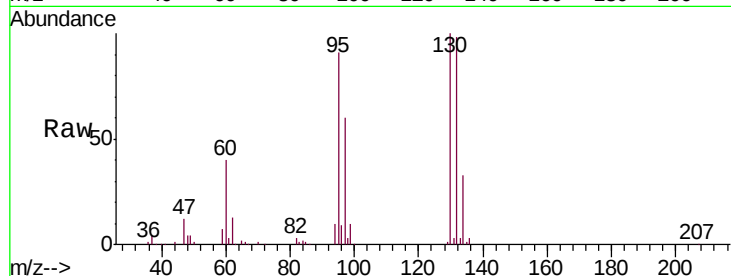




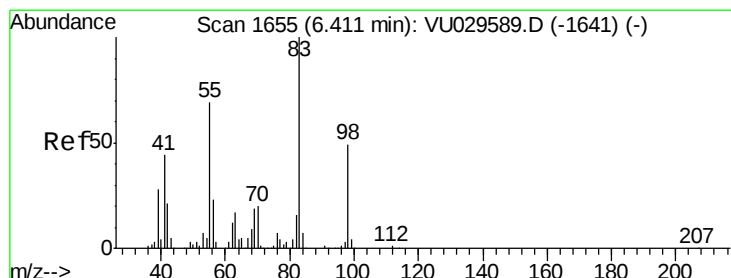
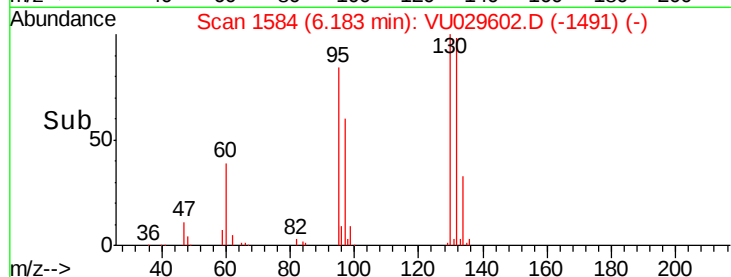
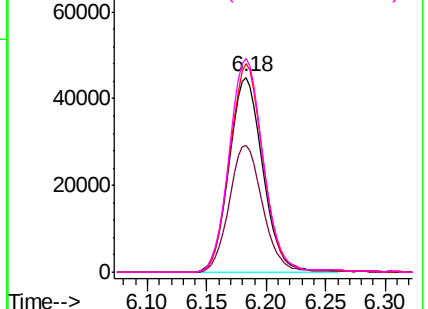
#34
 Trichloroethene
 Concen: 4.866 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU029602.D
 Acq: 21 Feb 2019 16:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00552

Tgt Ion: 95 Resp: 88499
 Ion Ratio Lower Upper
 95 100
 97 65.5 45.6 84.8
 132 107.4 72.9 135.3
 130 109.8 77.5 143.9

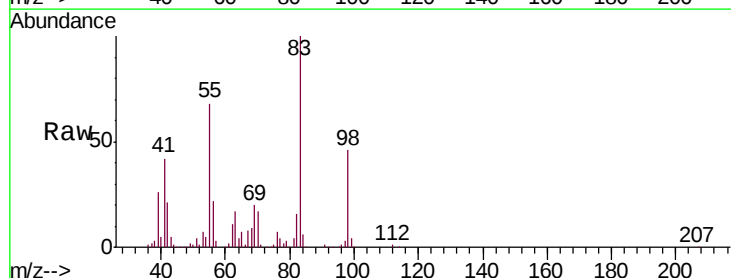


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

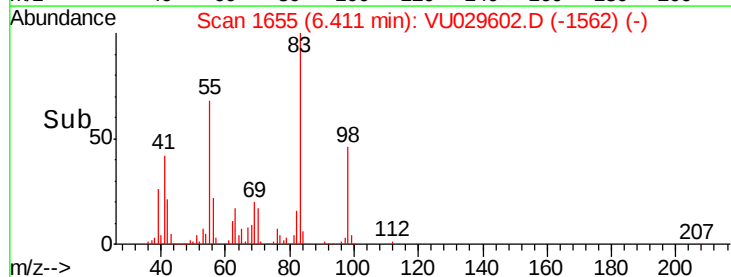
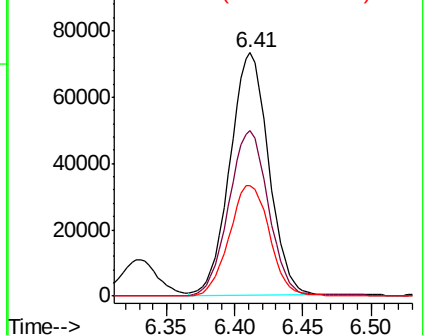


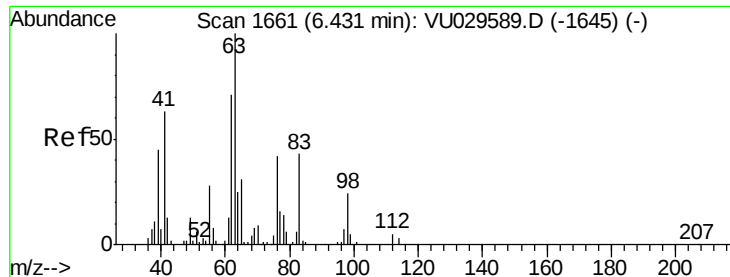
#35
 Methylcyclohexane
 Concen: 4.887 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU029602.D
 Acq: 21 Feb 2019 16:58

Tgt Ion: 83 Resp: 144133
 Ion Ratio Lower Upper
 83 100
 55 70.2 56.5 84.7
 98 47.7 39.4 59.2



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

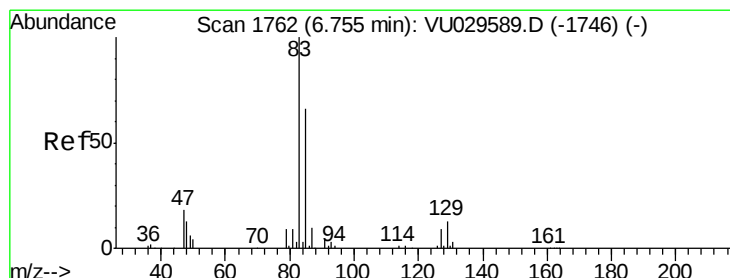
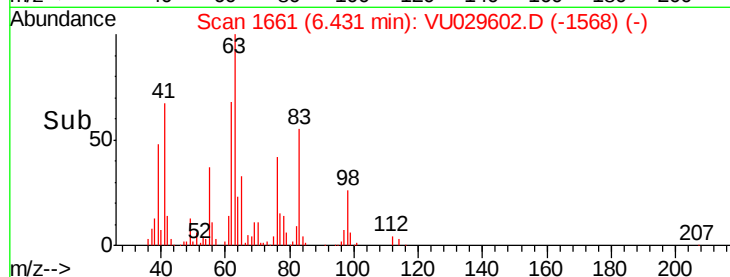
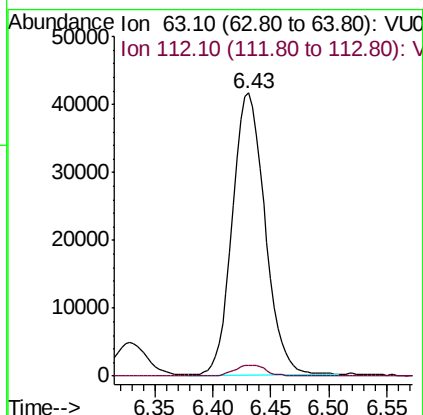
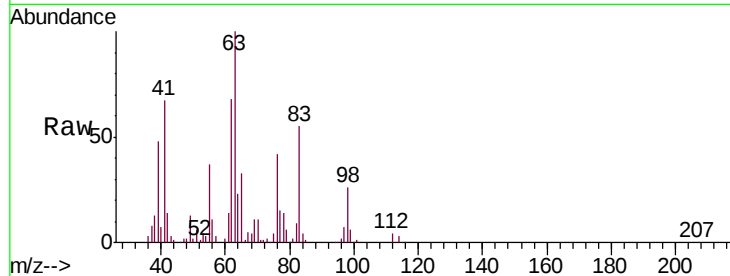




#37
 1,2-Dichloropropane
 Concen: 4.953 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029602.D
 Acq: 21 Feb 2019 16:58

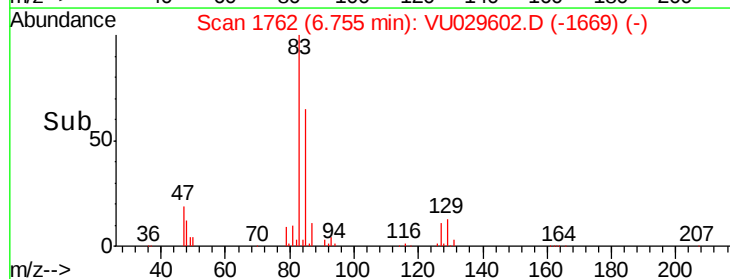
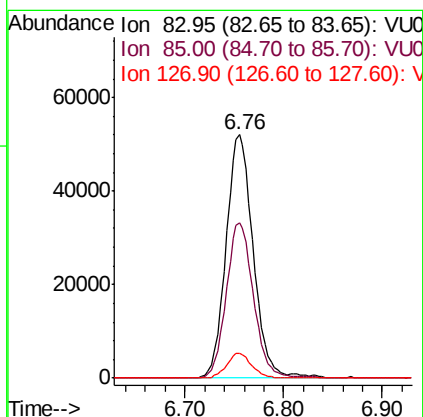
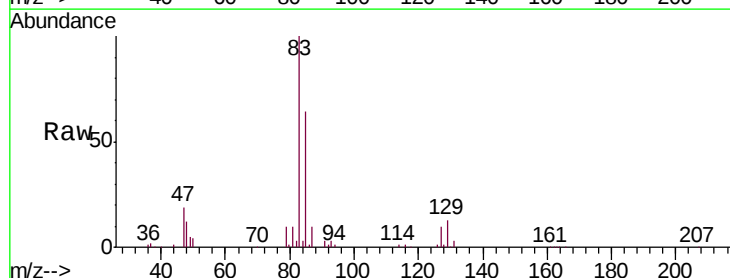
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00552

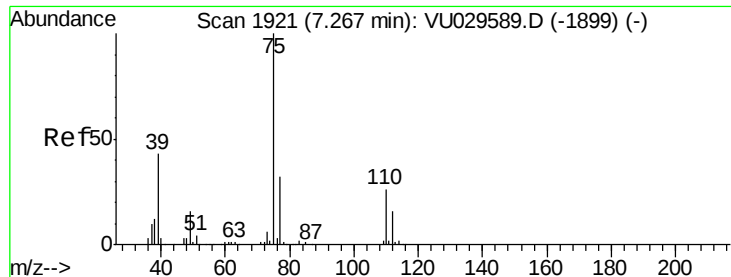
Tgt Ion: 63 Resp: 81283
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.904 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU029602.D
 Acq: 21 Feb 2019 16:58

Tgt Ion: 83 Resp: 100458
 Ion Ratio Lower Upper
 83 100
 85 63.8 46.1 85.5
 127 10.4 7.5 11.3

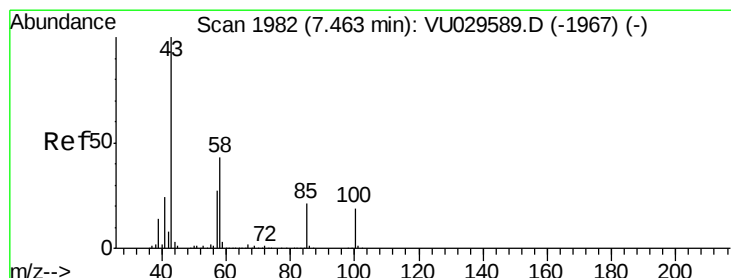
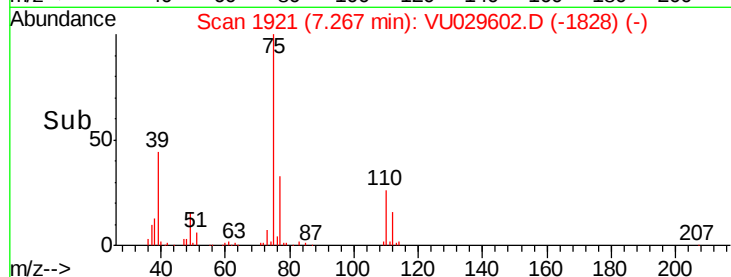
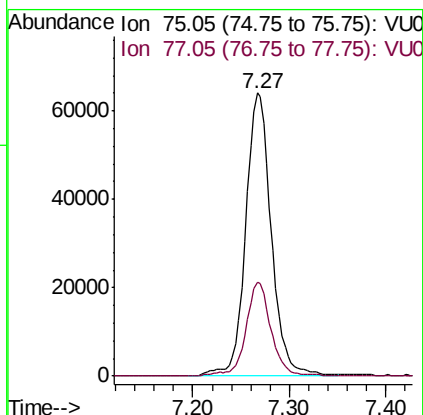
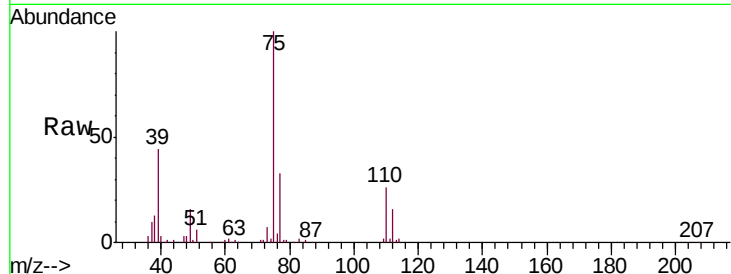




#39
 cis-1,3-Dichloropropene
 Concen: 4.916 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU029602.D
 Acq: 21 Feb 2019 16:58

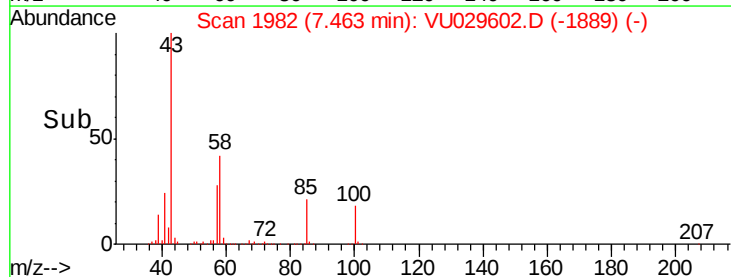
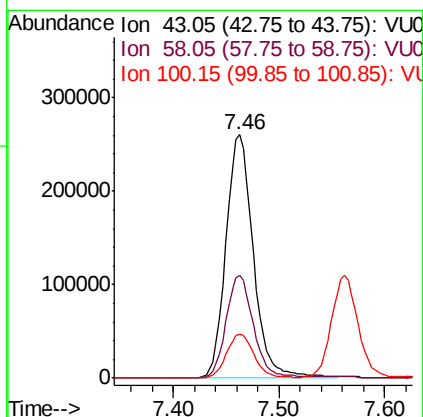
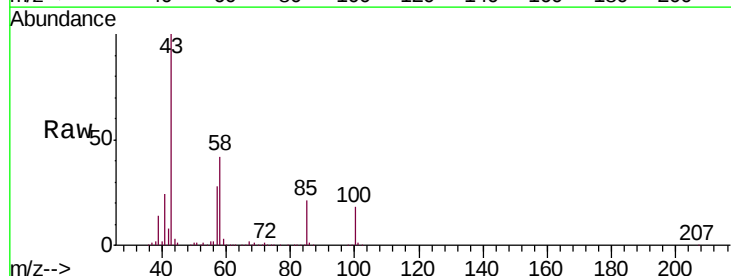
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00552

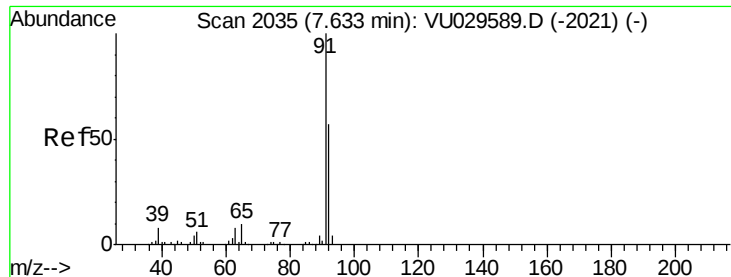
Tgt Ion: 75 Resp: 118069
 Ion Ratio Lower Upper
 75 100
 77 33.4 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 50.868 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU029602.D
 Acq: 21 Feb 2019 16:58

Tgt Ion: 43 Resp: 469164
 Ion Ratio Lower Upper
 43 100
 58 42.2 33.8 50.8
 100 18.2 14.2 21.2





#42

Toluene

Concen: 4.929 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029602.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_U

ClientSampleId :

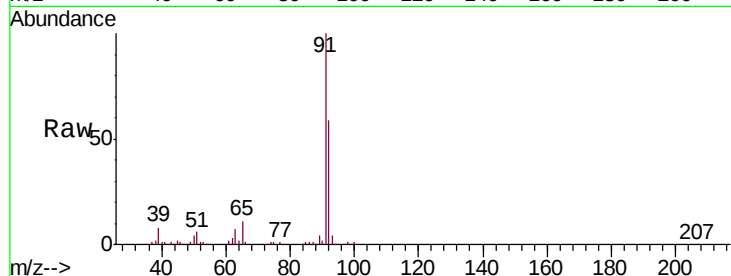
VSTD00552

Tgt Ion: 91 Resp: 364182

Ion Ratio Lower Upper

91 100

92 58.9 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VU029589.D (-2021) (-)

Ion 92.15 (91.85 to 92.85): VU029589.D (-2021) (-)

7.63

200000

150000

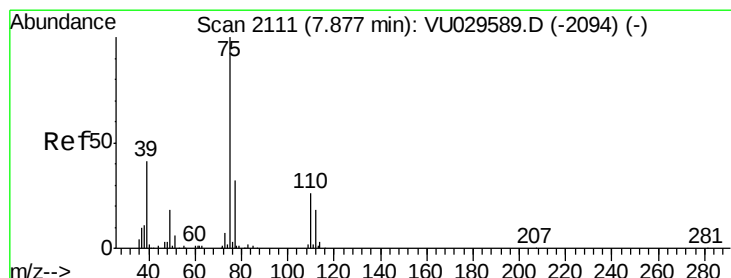
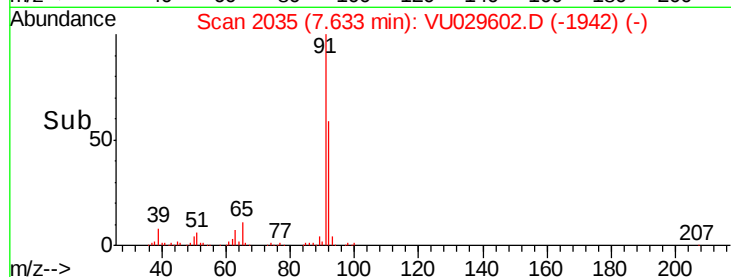
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.997 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU029602.D

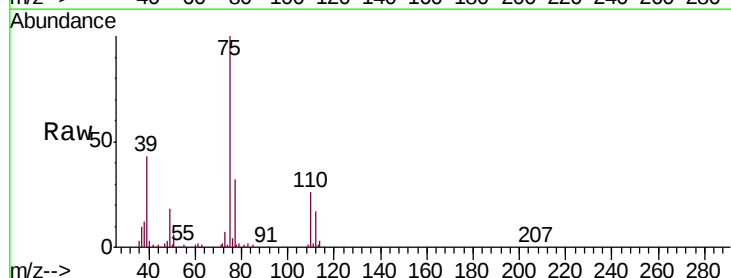
Acq: 21 Feb 2019 16:58

Tgt Ion: 75 Resp: 96341

Ion Ratio Lower Upper

75 100

77 31.9 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VU029589.D (-2094) (-)

Ion 77.05 (76.75 to 77.75): VU029589.D (-2094) (-)

7.88

60000

50000

40000

30000

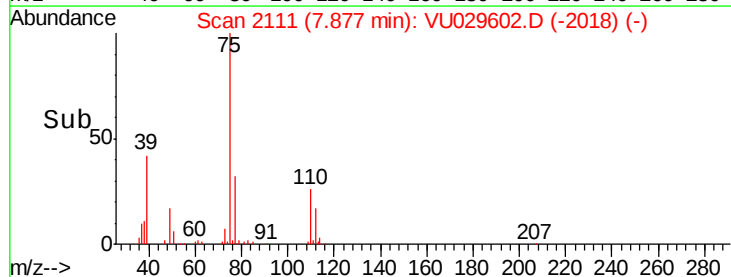
20000

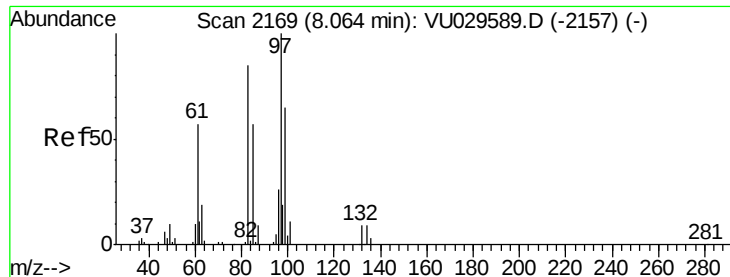
10000

0

7.80 7.90 8.00

Time-->

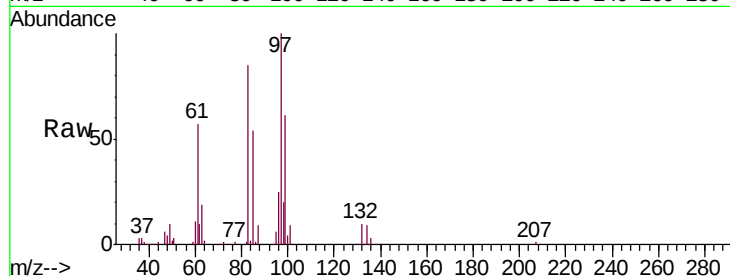




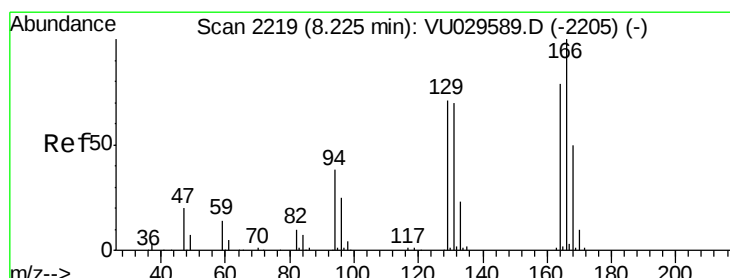
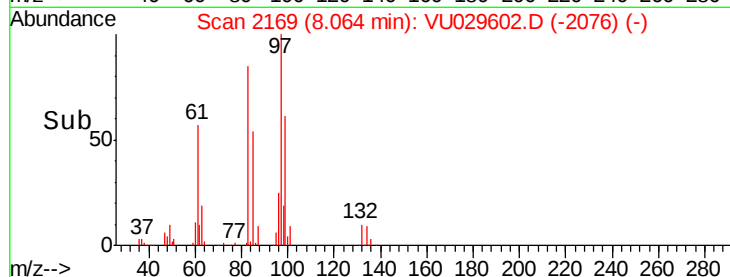
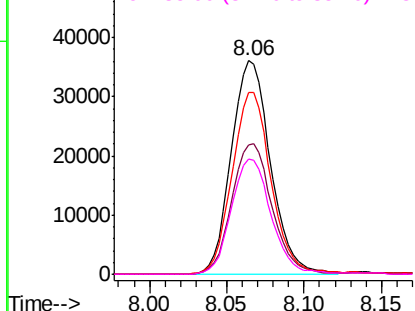
#45
 1,1,2-Trichloroethane
 Concen: 4.957 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU029602.D
 Acq: 21 Feb 2019 16:58

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00552

Tgt Ion:	97	Resp:	63705
Ion	Ratio	Lower	Upper
97	100		
99	60.8	45.3	84.1
83	85.2	59.6	110.6
85	54.2	39.8	74.0

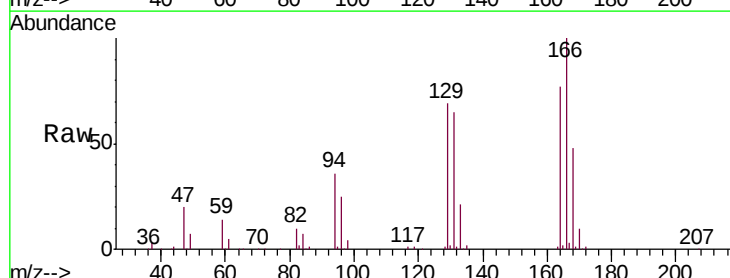


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

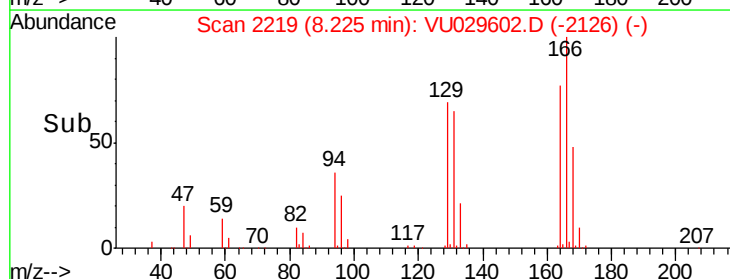
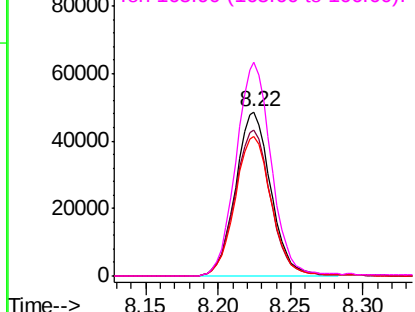


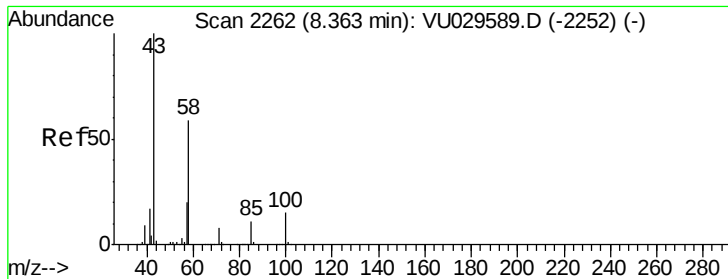
#47
 Tetrachloroethene
 Concen: 4.868 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU029602.D
 Acq: 21 Feb 2019 16:58

Tgt Ion:	164	Resp:	82206
Ion	Ratio	Lower	Upper
164	100		
129	89.1	62.9	116.7
131	85.2	61.8	114.8
166	130.1	88.8	164.8



Abundance Ion 163.90 (163.60 to 164.60): V
 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

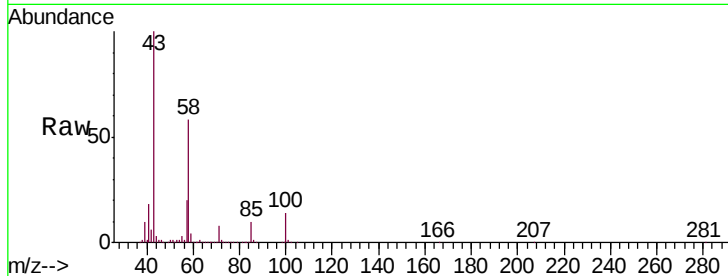




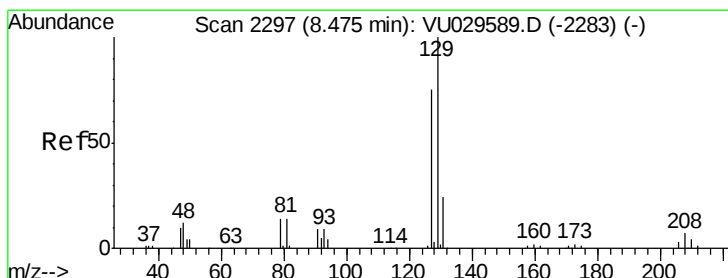
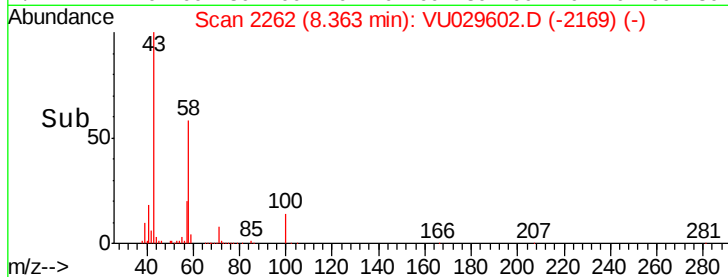
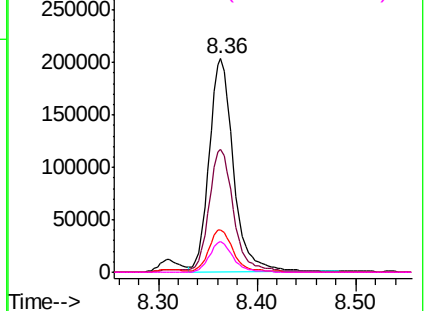
#48
2-Hexanone
Concen: 51.686 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU029602.D
Acq: 21 Feb 2019 16:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

Tgt Ion: 43 Resp: 348639
Ion Ratio Lower Upper
43 100
58 57.6 46.6 69.8
57 20.0 15.9 23.9
100 14.2 11.4 17.2

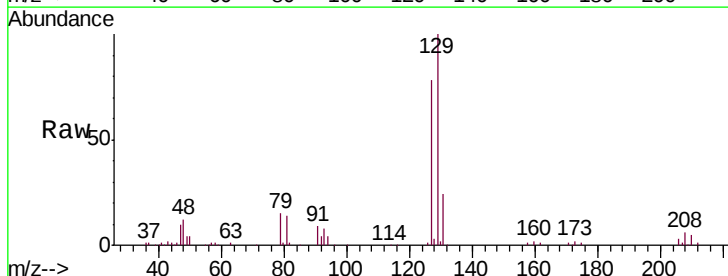


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

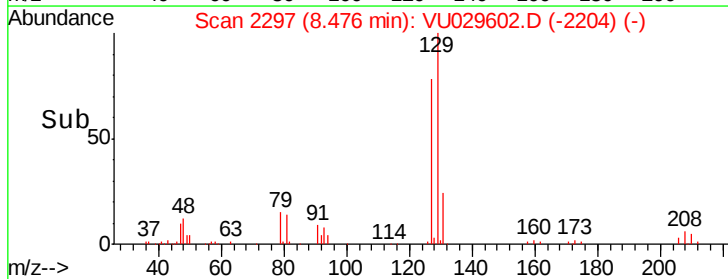
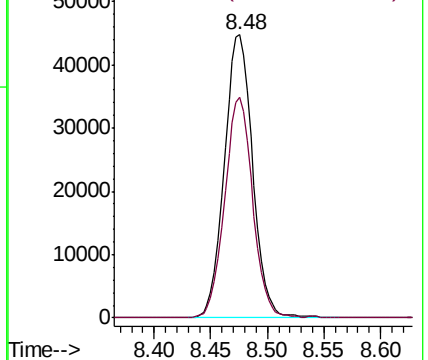


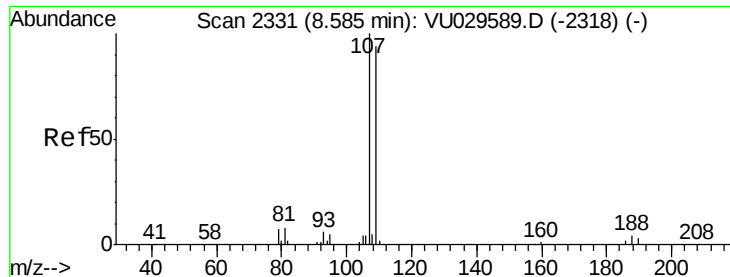
#49
Dibromochloromethane
Concen: 5.009 ug/L
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU029602.D
Acq: 21 Feb 2019 16:58

Tgt Ion: 129 Resp: 77969
Ion Ratio Lower Upper
129 100
127 77.8 52.5 97.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

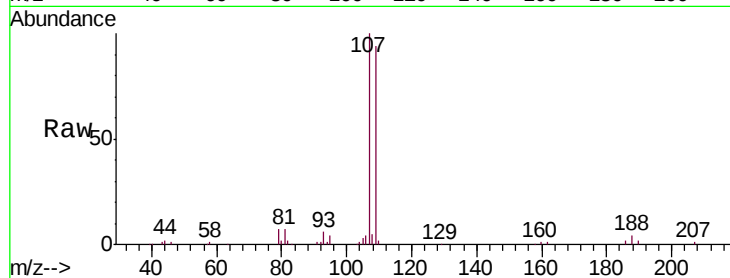




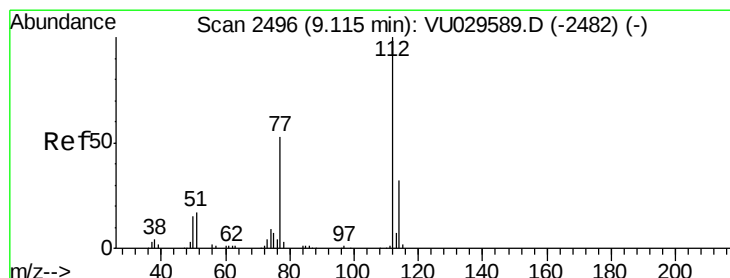
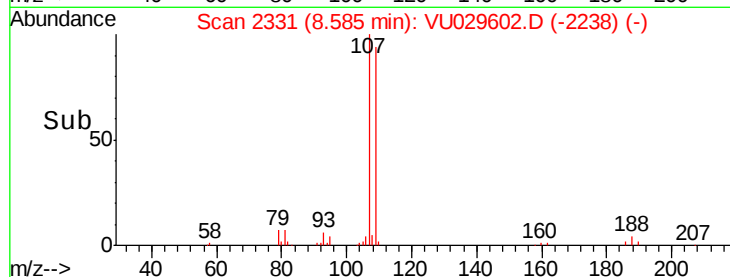
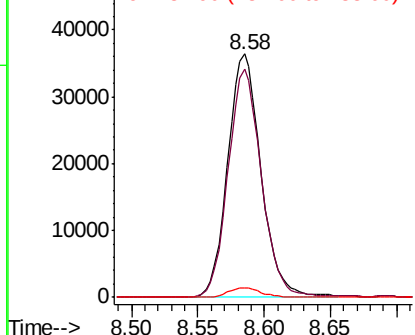
#50
1,2-Dibromoethane
Concen: 5.062 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU029602.D
Acq: 21 Feb 2019 16:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

Tgt Ion:107 Resp: 63682
Ion Ratio Lower Upper
107 100
109 94.0 65.8 122.2
188 3.9 3.3 4.9

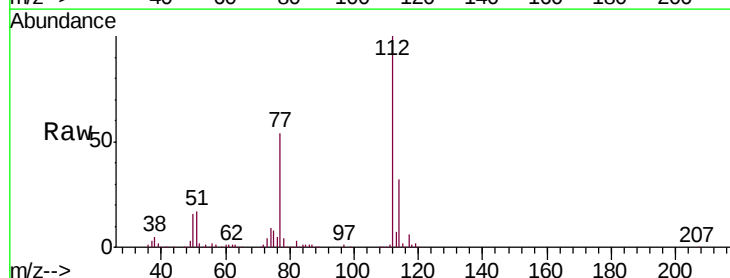


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

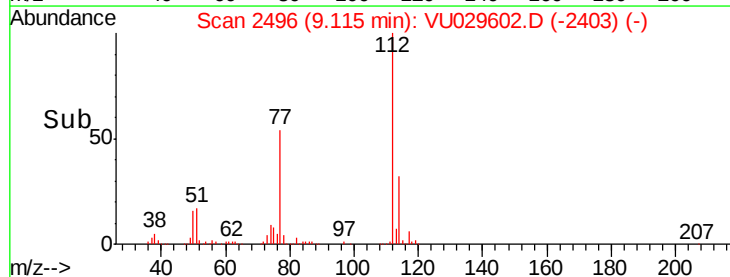
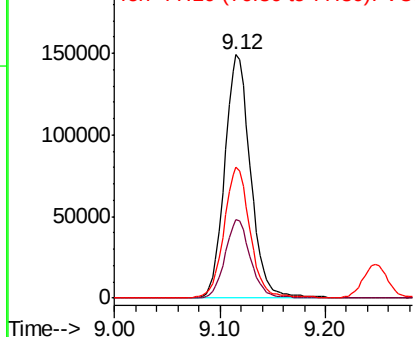


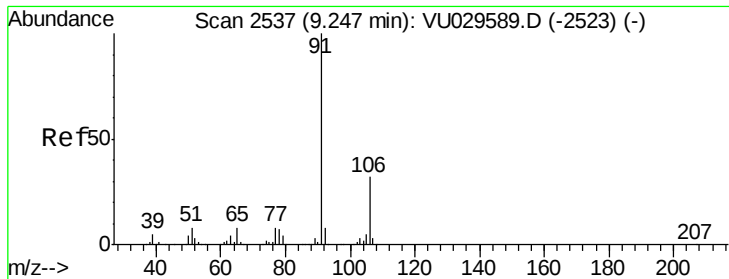
#51
Chlorobenzene
Concen: 4.979 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU029602.D
Acq: 21 Feb 2019 16:58

Tgt Ion:112 Resp: 252719
Ion Ratio Lower Upper
112 100
114 32.1 22.3 41.3
77 53.8 42.7 64.1



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.937 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU029602.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_U

ClientSampleId :

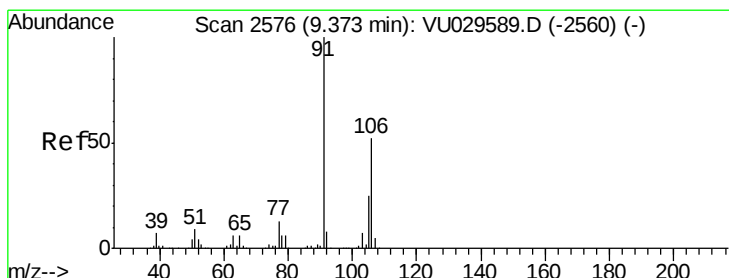
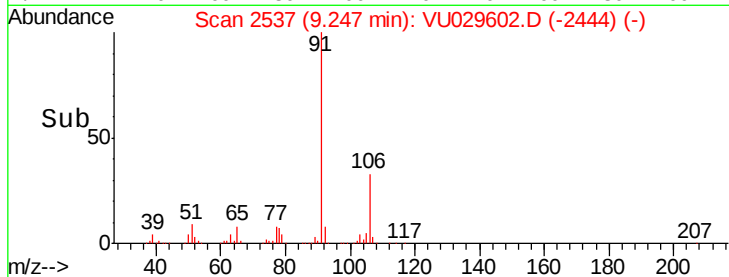
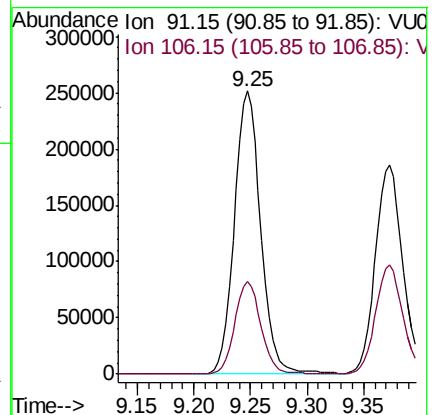
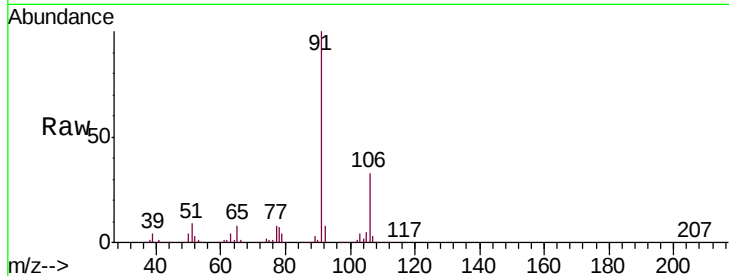
VSTD00552

Tgt Ion: 91 Resp: 407965

Ion Ratio Lower Upper

91 100

106 32.6 22.1 41.1



#53

m,p-xylene

Concen: 4.927 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029602.D

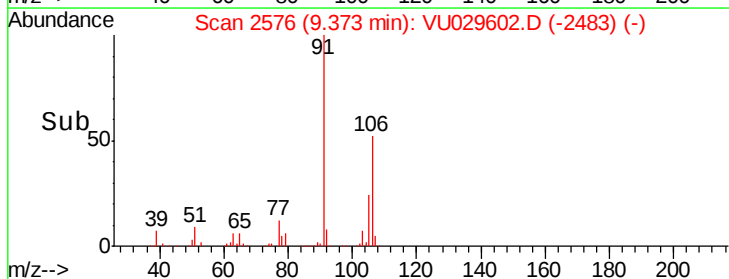
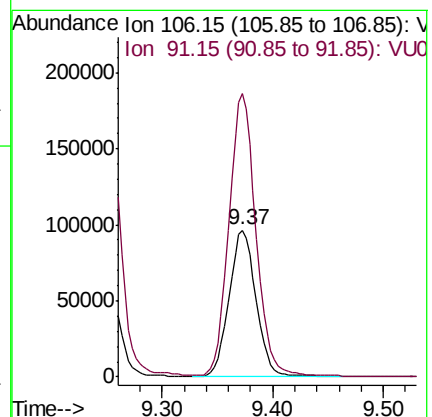
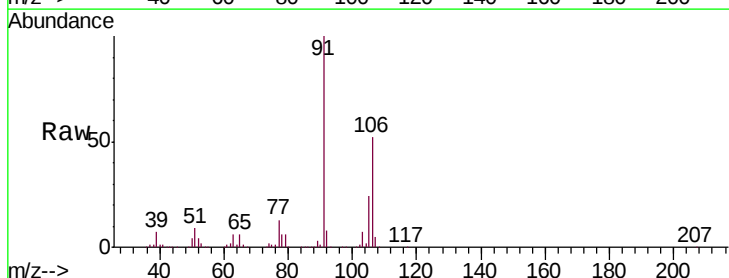
Acq: 21 Feb 2019 16:58

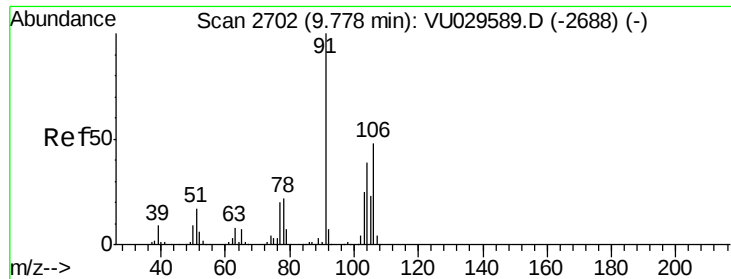
Tgt Ion: 106 Resp: 163253

Ion Ratio Lower Upper

106 100

91 192.6 136.0 252.6





#54

o-xylene

Concen: 5.066 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU029602.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_U

ClientSampleId :

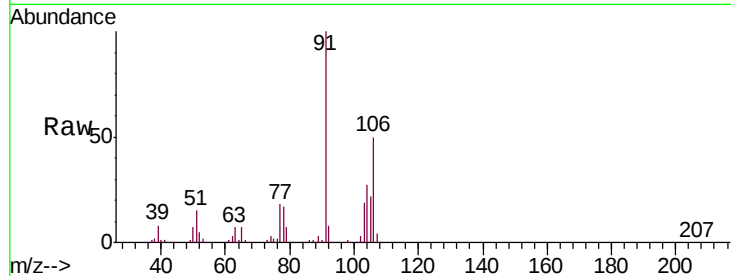
VSTD00552

Tgt Ion:106 Resp: 161624

Ion Ratio Lower Upper

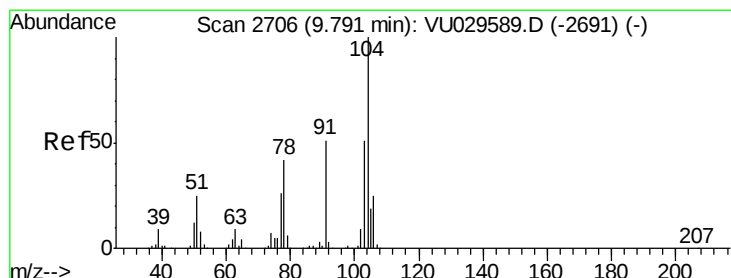
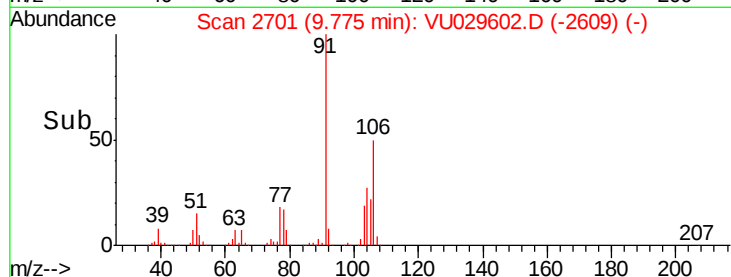
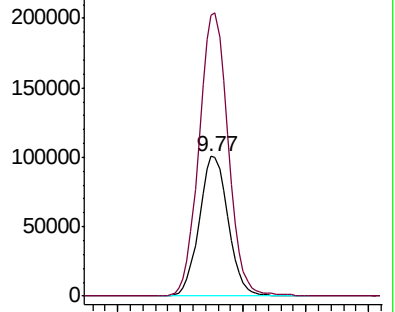
106 100

91 201.9 145.7 270.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.028 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU029602.D

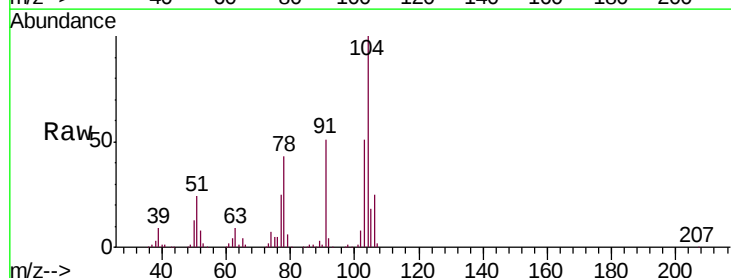
Acq: 21 Feb 2019 16:58

Tgt Ion:104 Resp: 267968

Ion Ratio Lower Upper

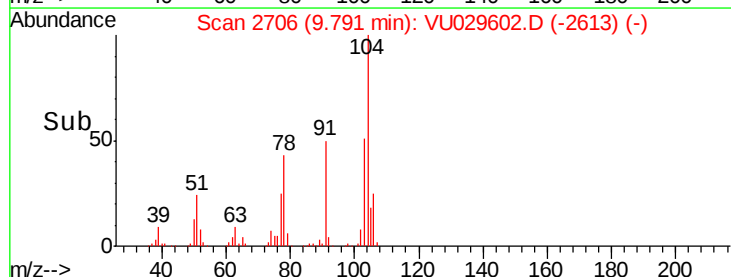
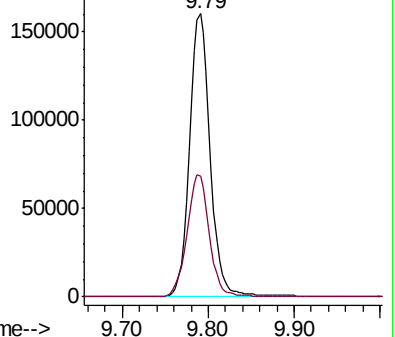
104 100

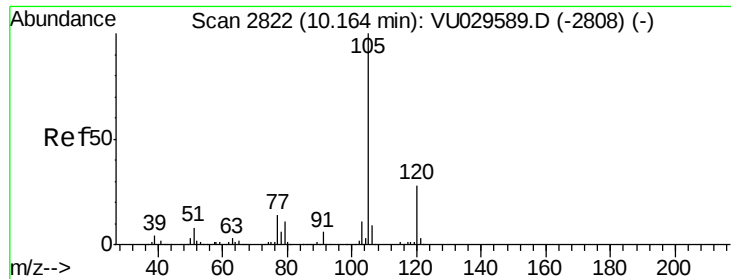
78 42.9 29.2 54.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.946 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029602.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00552

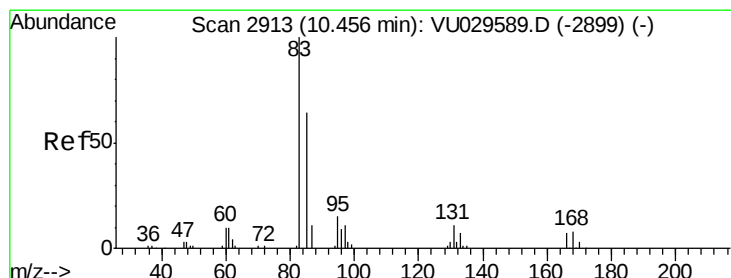
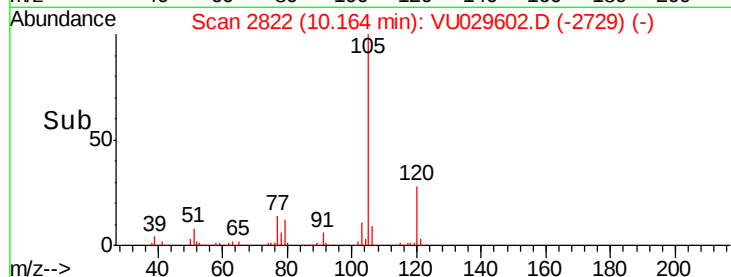
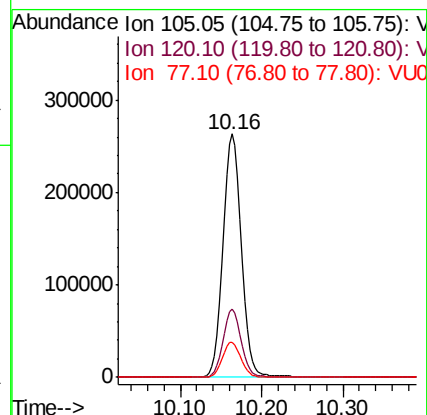
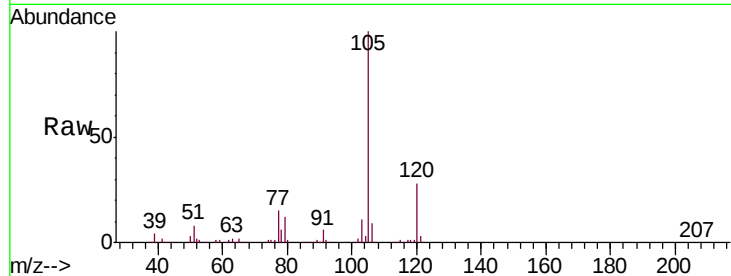
Tgt Ion: 105 Resp: 423434

Ion Ratio Lower Upper

105 100

120 27.6 21.8 32.6

77 14.6 11.5 17.3



#58

1,1,2,2-Tetrachloroethane

Concen: 4.990 ug/L

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029602.D

Acq: 21 Feb 2019 16:58

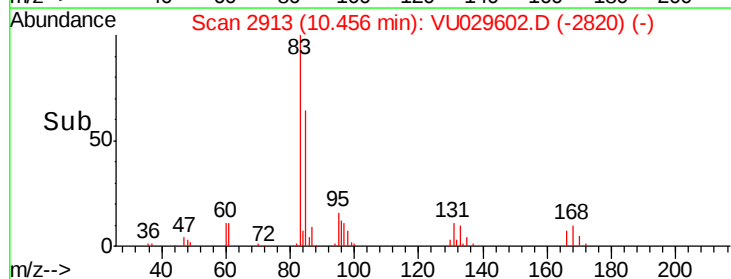
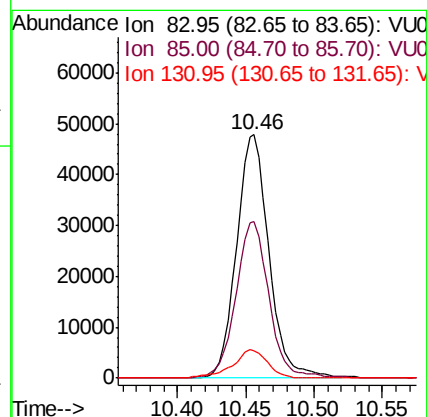
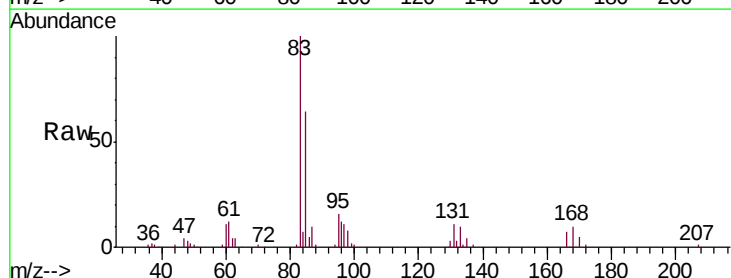
Tgt Ion: 83 Resp: 79046

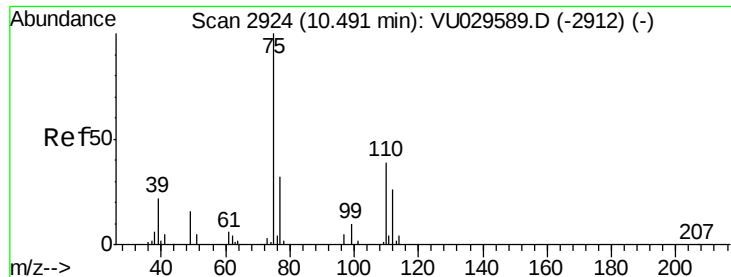
Ion Ratio Lower Upper

83 100

85 64.5 44.9 83.3

131 11.2 8.9 13.3

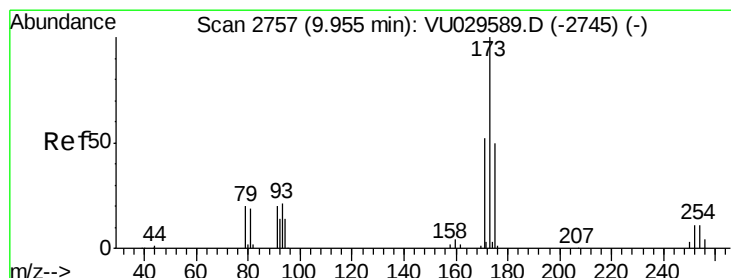
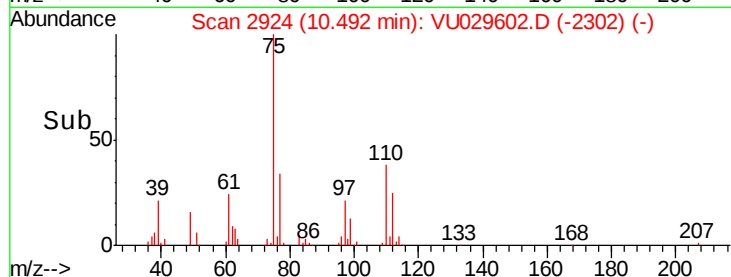
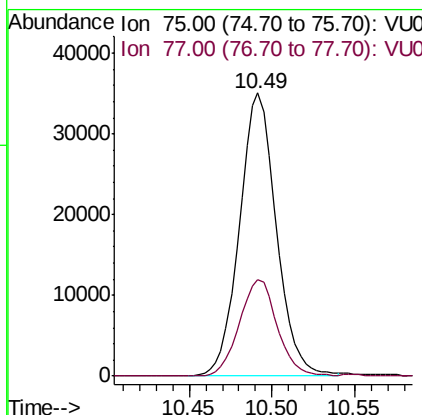
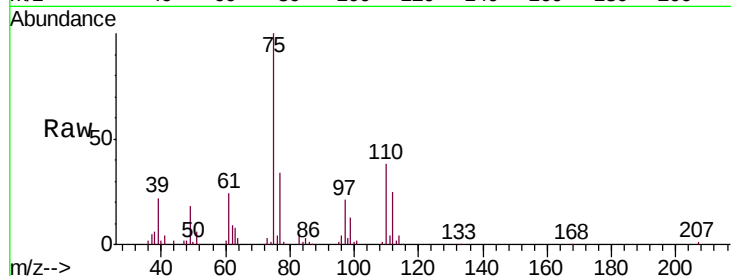




#59
 1,2,3-Trichloropropane
 Concen: 4.951 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU029602.D
 Acq: 21 Feb 2019 16:58

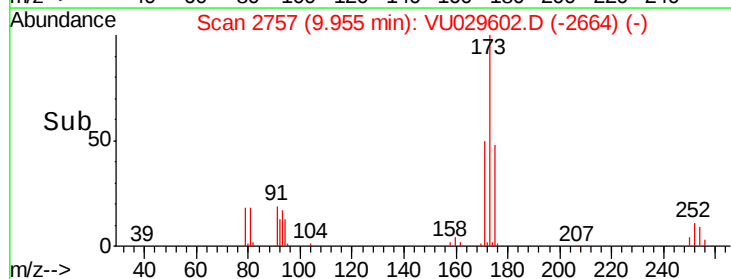
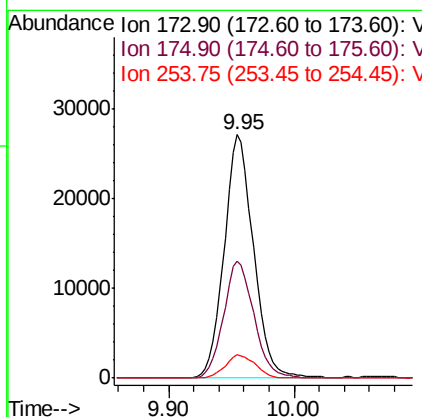
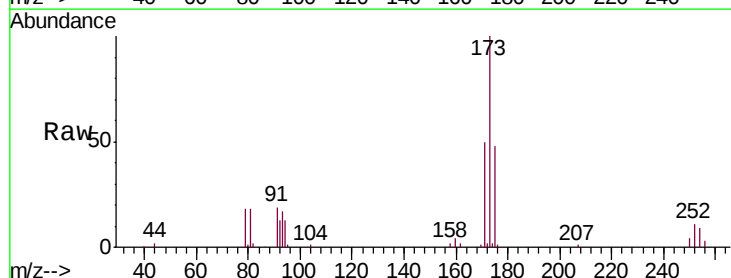
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00552

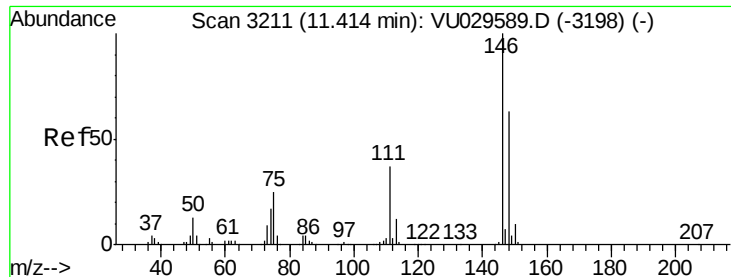
Tgt Ion: 75 Resp: 54253
 Ion Ratio Lower Upper
 75 100
 77 35.0 25.6 38.4



#61
 Bromoform
 Concen: 4.848 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU029602.D
 Acq: 21 Feb 2019 16:58

Tgt Ion: 173 Resp: 44171
 Ion Ratio Lower Upper
 173 100
 175 49.5 39.0 58.6
 254 9.8 8.2 12.4





#62

1,3-Dichlorobenzene

Concen: 4.831 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU029602.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00552

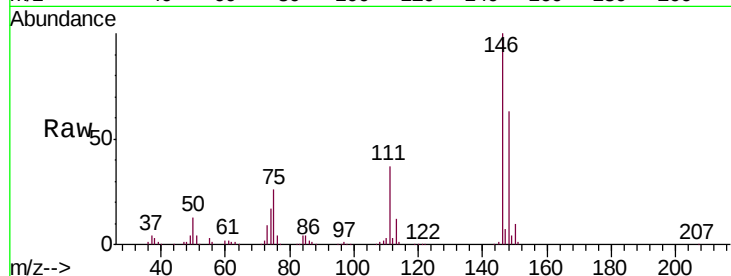
Tgt Ion:146 Resp: 210747

Ion Ratio Lower Upper

146 100

111 37.4 25.7 47.7

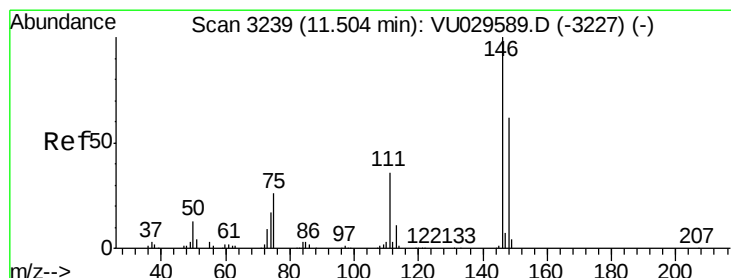
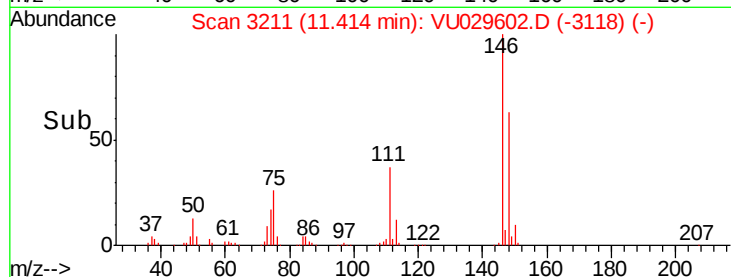
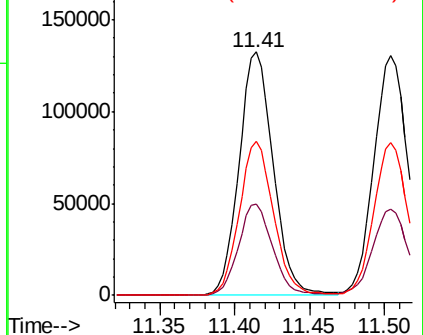
148 63.4 44.0 81.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.760 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU029602.D

Acq: 21 Feb 2019 16:58

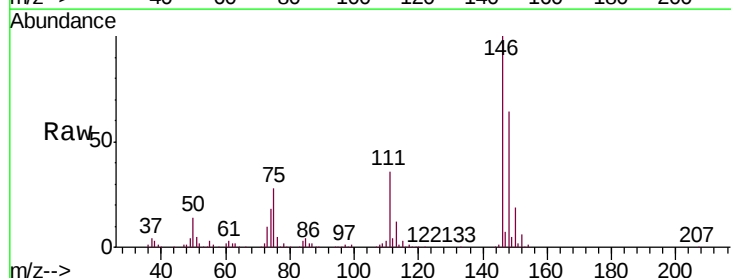
Tgt Ion:146 Resp: 210592

Ion Ratio Lower Upper

146 100

111 36.1 25.4 47.2

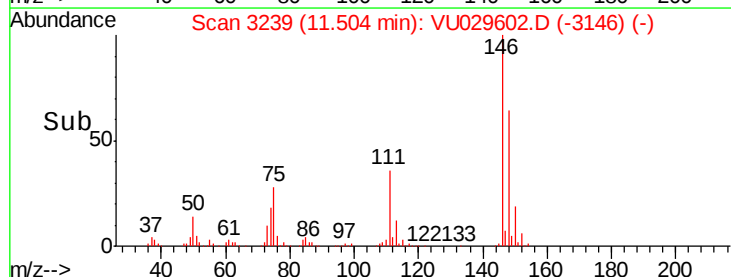
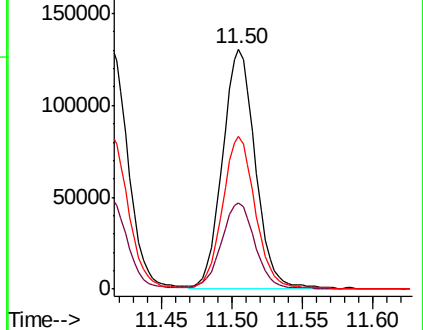
148 63.6 43.7 81.1

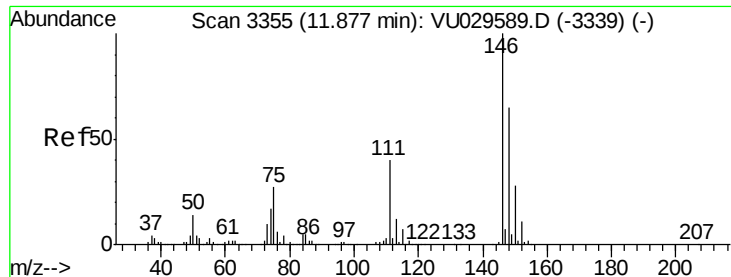


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.858 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU029602.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00552

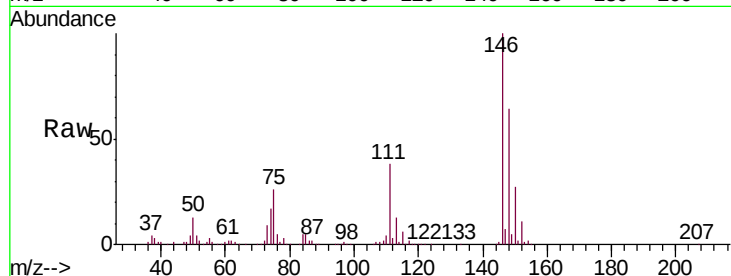
Tgt Ion:146 Resp: 204580

Ion Ratio Lower Upper

146 100

111 38.2 32.2 48.2

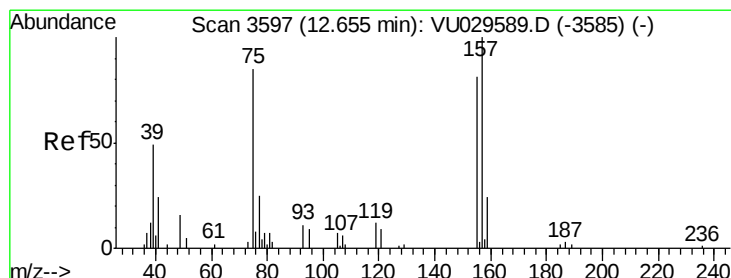
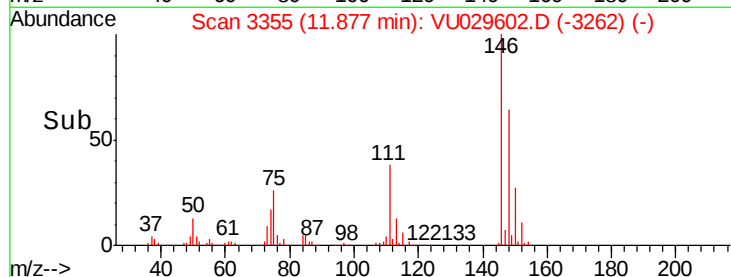
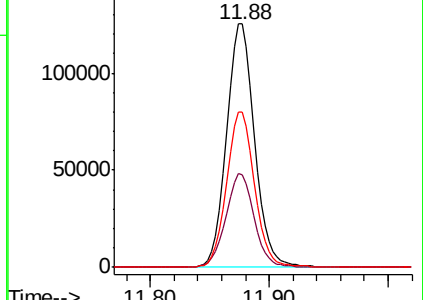
148 63.9 52.2 78.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.602 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VU029602.D

Acq: 21 Feb 2019 16:58

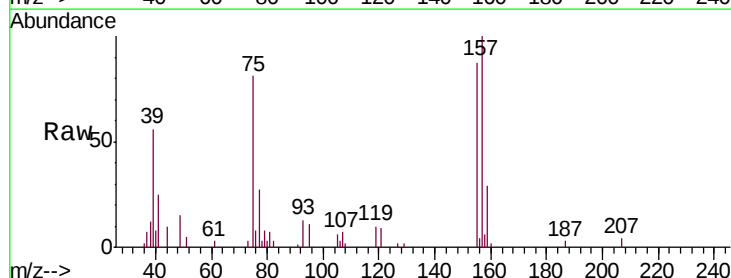
Tgt Ion: 75 Resp: 11392

Ion Ratio Lower Upper

75 100

155 106.6 75.5 113.3

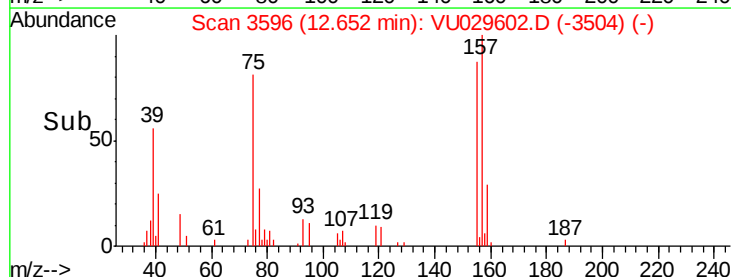
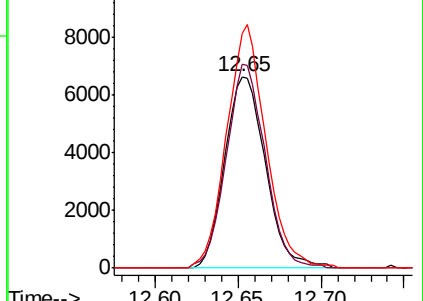
157 122.7 93.8 140.6

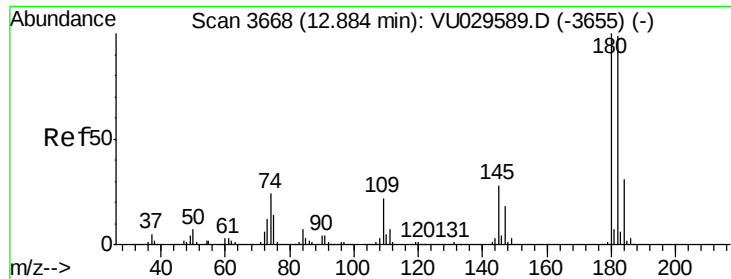


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

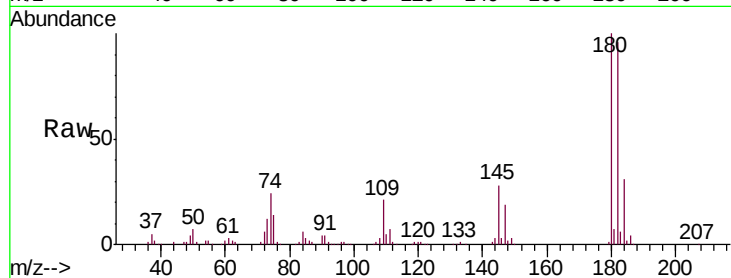




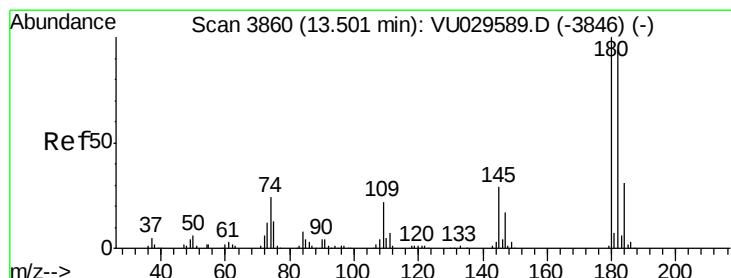
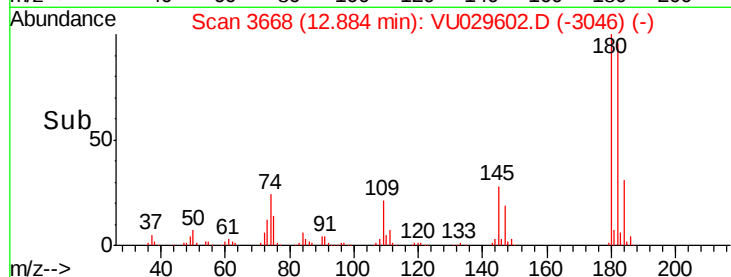
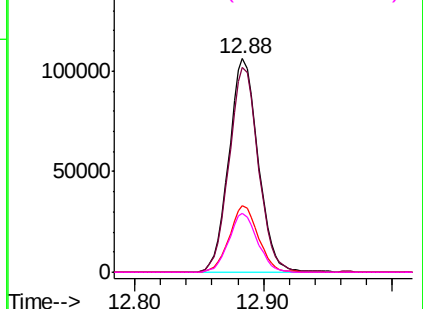
#67
 1,3,5-Trichlorobenzene
 Concen: 4.773 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU029602.D
 Acq: 21 Feb 2019 16:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00552

Tgt Ion:180 Resp: 167674
 Ion Ratio Lower Upper
 180 100
 182 95.7 77.0 115.6
 184 30.8 25.0 37.4
 145 27.0 22.4 33.6

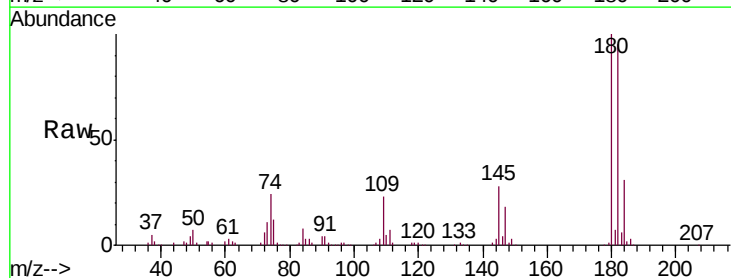


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

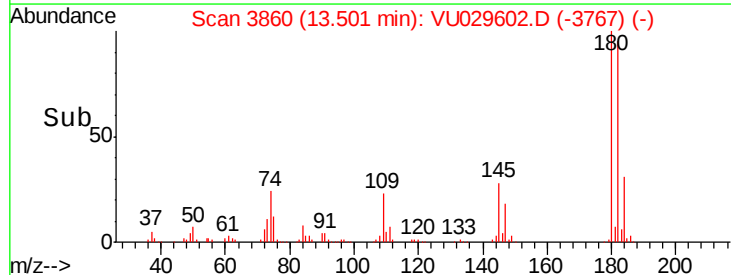
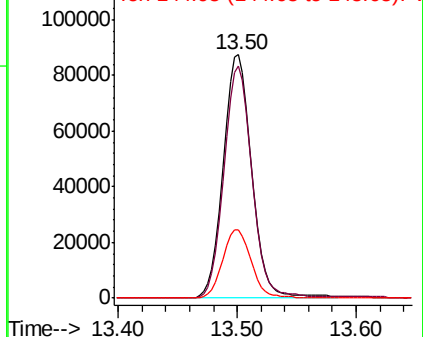


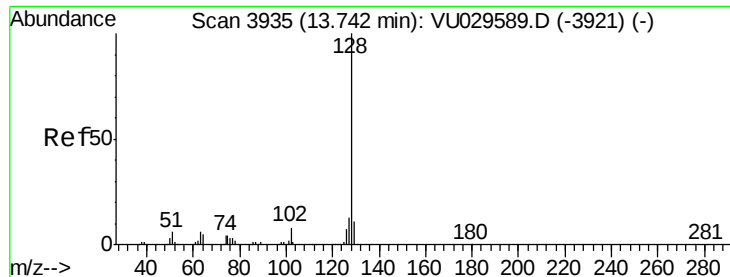
#68
 1,2,4-trichlorobenzene
 Concen: 4.896 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029602.D
 Acq: 21 Feb 2019 16:58

Tgt Ion:180 Resp: 145328
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.7 113.5
 145 28.4 22.4 33.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.065 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU029602.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00552

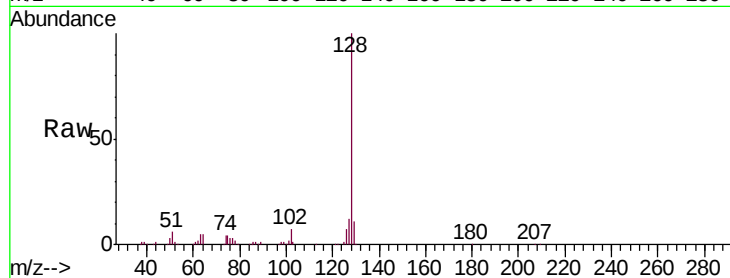
Tgt Ion:128 Resp: 232426

Ion Ratio Lower Upper

128 100

129 10.1 8.7 13.1

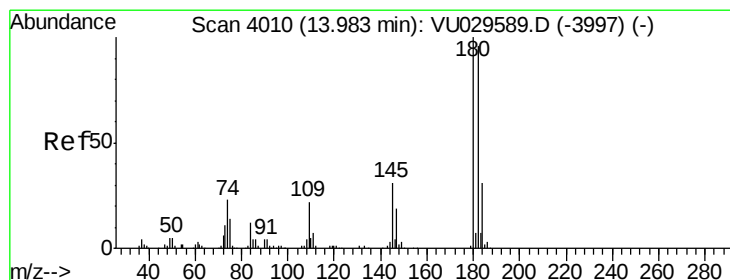
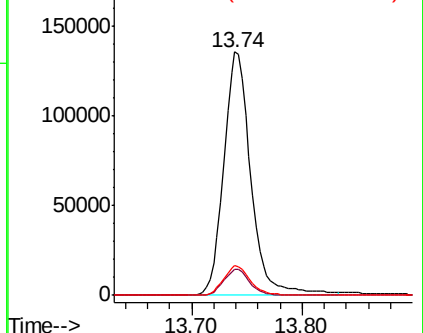
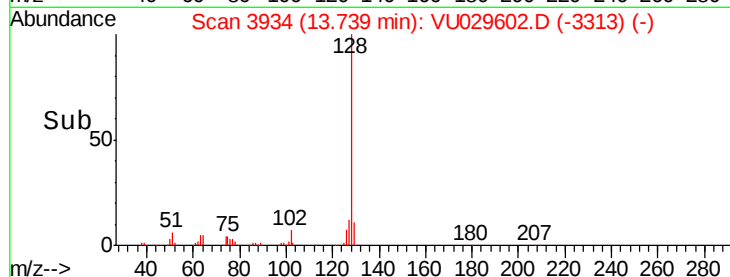
127 11.9 10.0 15.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.888 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU029602.D

Acq: 21 Feb 2019 16:58

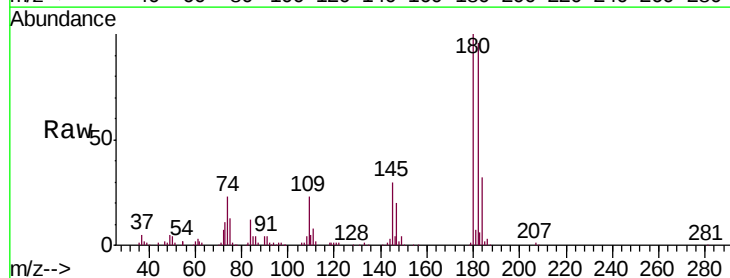
Tgt Ion:180 Resp: 135879

Ion Ratio Lower Upper

180 100

182 95.4 77.0 115.4

145 29.8 24.2 36.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

