

Data File : VU029283.D
Acq On : 25 Jan 2019 12:11
Operator : JC/SP
Sample : VSTDICV005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV47

Quant Time: Jan 28 02:19:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR012519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jan 28 02:17:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	70603	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	71075	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	37353	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	33790	5.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.20%
7) Chloroethane-d5	1.68	69	24812	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.27	63	59295	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.00%
20) 2-Butanone-d5	4.21	46	72298	52.45	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.90%
24) Chloroform-d	4.65	84	54611	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.31	65	29311	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.34	84	104276	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.33	67	31359	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.40%
41) Toluene-d8	7.56	98	97857	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
43) trans-1,3-Dichloropropene-	7.85	79	13846	5.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.80%
46) 2-Hexanone-d5	8.31	63	67340	54.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.50%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	26653	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	38052	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	48580	4.972 ug/L	99
3) Chloromethane	1.32	50	41789	4.877 ug/L	100
5) Vinyl chloride	1.40	62	42516	4.962 ug/L	99
6) Bromomethane	1.63	94	23992	5.200 ug/L	99
8) Chloroethane	1.70	64	22591	4.719 ug/L	95
9) Trichlorofluoromethane	1.88	101	56240	4.936 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	28243	4.875 ug/L	98
12) 1,1-Dichloroethene	2.28	96	26187	4.904 ug/L	94
13) Acetone	2.35	43	49651	48.104 ug/L	99
14) Carbon disulfide	2.48	76	88282	4.774 ug/L	98
15) Methyl Acetate	2.63	43	11755	4.752 ug/L	100
16) Methylene chloride	2.70	84	28954	4.620 ug/L	93
17) Methyl tert-butyl Ether	3.00	73	67071	4.839 ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	28155	4.859 ug/L	95
19) 1,1-Dichloroethane	3.44	63	48759	4.716 ug/L	98
21) 2-Butanone	4.30	43	75282	50.390 ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	28534	4.898 ug/L	97

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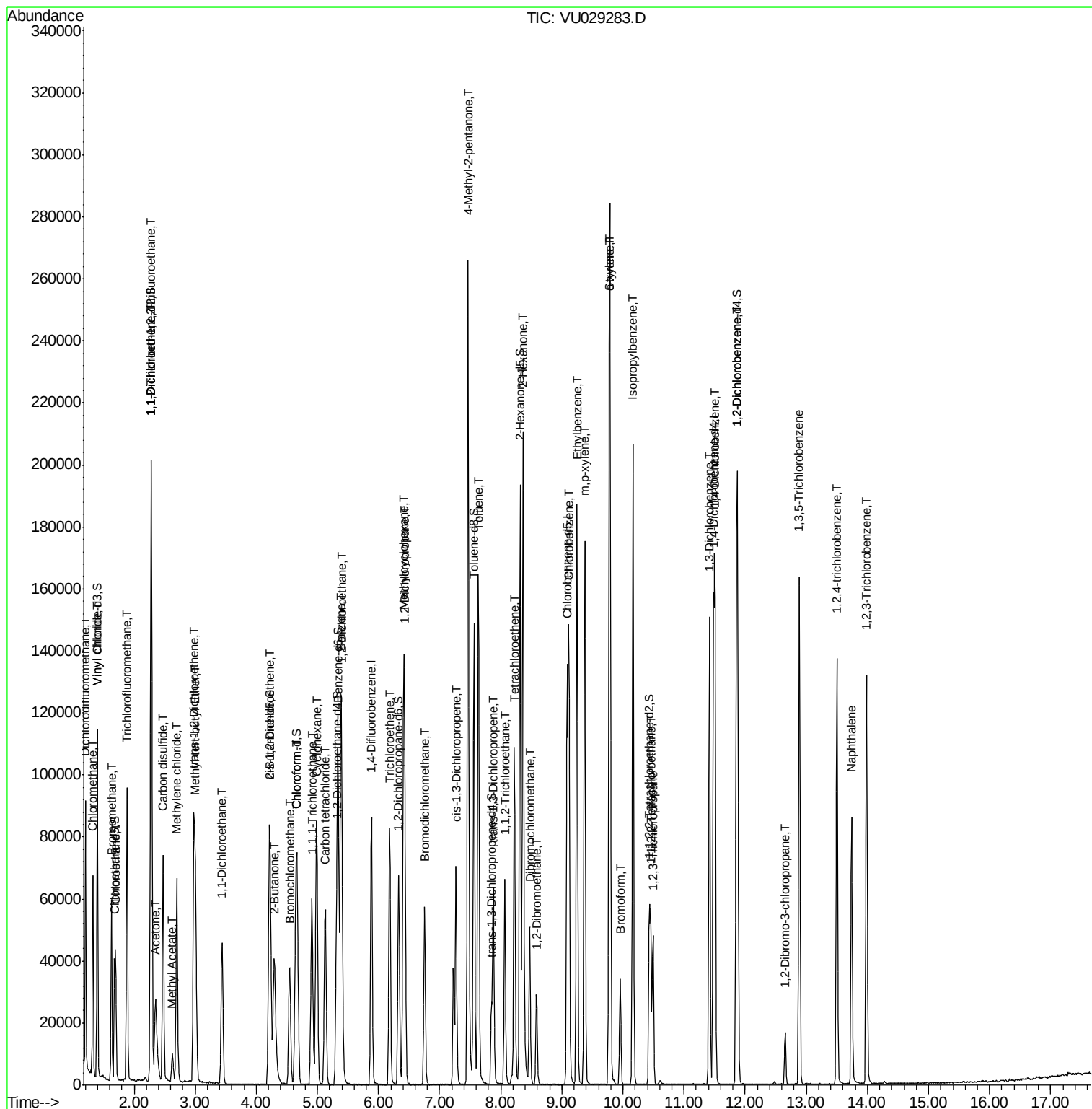
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	12765	4.823	ug/L	99
25) Chloroform	4.67	83	52487	4.848	ug/L	99
27) 1,2-Dichloroethane	5.40	62	35478	4.785	ug/L	97
29) 1,1,1-Trichloroethane	4.91	97	47264	4.905	ug/L	99
30) Cyclohexane	4.99	56	43397	5.009	ug/L	98
31) Carbon tetrachloride	5.13	117	41476	5.046	ug/L	100
33) Benzene	5.39	78	108192	4.880	ug/L	100
34) Trichloroethene	6.18	95	28371	4.833	ug/L	97
35) Methylcyclohexane	6.41	83	46084	4.910	ug/L	97
37) 1,2-Dichloropropane	6.43	63	28701	4.905	ug/L	99
38) Bromodichloromethane	6.76	83	38008	4.916	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	42737	5.082	ug/L	96
40) 4-Methyl-2-pentanone	7.46	43	175461	49.699	ug/L	98
42) Toluene	7.63	91	119405	4.992	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	36694	5.018	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	20109	4.782	ug/L	95
47) Tetrachloroethene	8.22	164	24479	4.751	ug/L	97
48) 2-Hexanone	8.37	43	133612	51.928	ug/L	99
49) Dibromochloromethane	8.47	129	26283	5.034	ug/L	91
50) 1,2-Dibromoethane	8.58	107	19009	4.672	ug/L #	92
51) Chlorobenzene	9.12	112	77258	4.913	ug/L	98
52) Ethylbenzene	9.25	91	128075	4.880	ug/L	100
53) m,p-xylene	9.37	106	49741	4.988	ug/L	98
54) o-xylene	9.78	106	46703	4.923	ug/L	99
55) Styrene	9.79	104	84602	5.125	ug/L	96
56) Isopropylbenzene	10.16	105	127190	4.976	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	25886	4.723	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	19957	4.952	ug/L	100
61) Bromoform	9.95	173	15745	5.059	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	60901	4.865	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	64241	4.813	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	60575	4.931	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.65	75	4579	5.239	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	51920	4.922	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	42649	4.829	ug/L	98
69) Naphthalene	13.74	128	73265	5.238	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	42792	5.203	ug/L	99

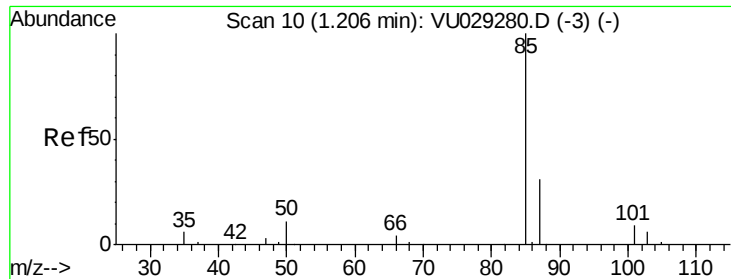
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.972 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU029283.D

Acq: 25 Jan 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

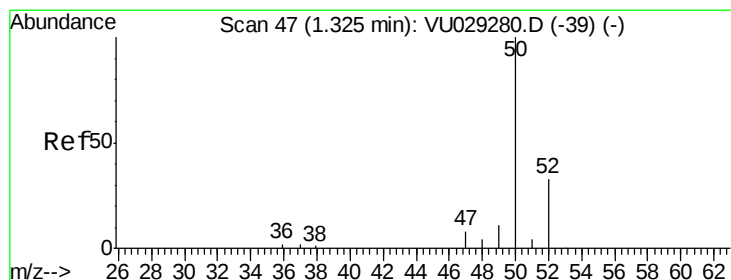
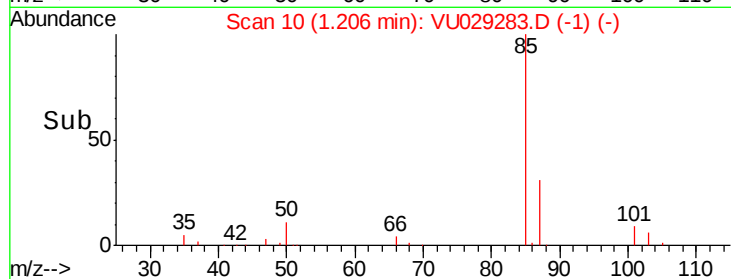
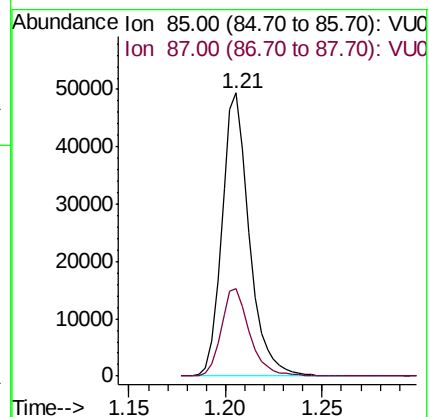
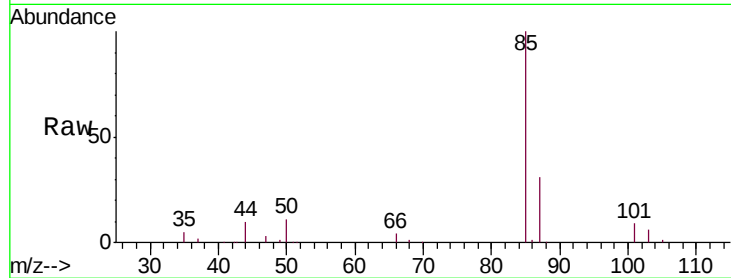
VICV47

Tgt Ion: 85 Resp: 48580

Ion Ratio Lower Upper

85 100

87 32.1 25.1 37.7



#3

Chloromethane

Concen: 4.877 ug/L

RT: 1.32 min Scan# 47

Delta R.T. -0.00 min

Lab File: VU029283.D

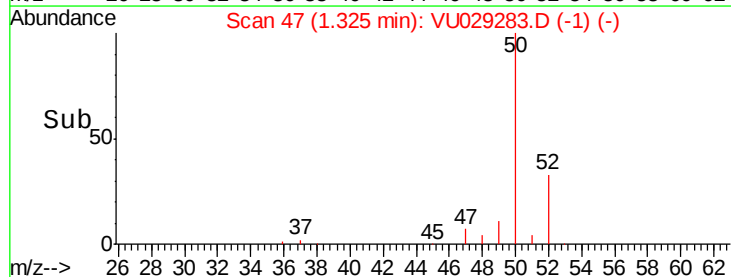
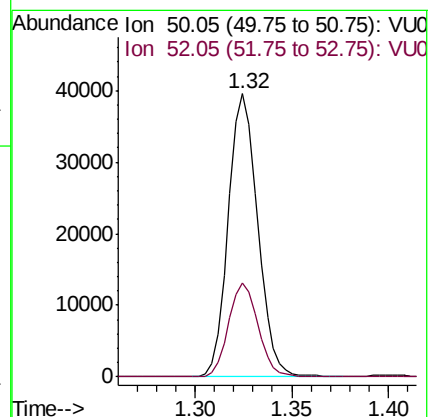
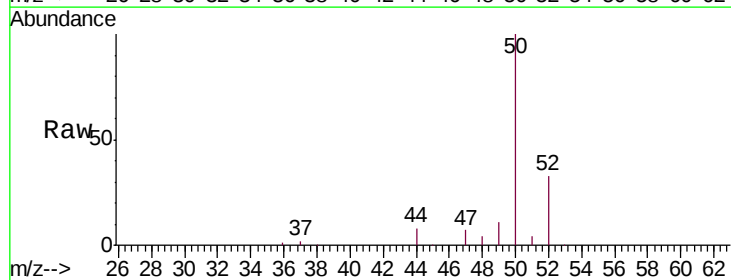
Acq: 25 Jan 2019 12:11

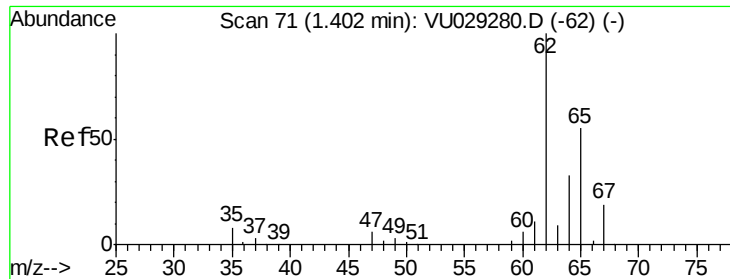
Tgt Ion: 50 Resp: 41789

Ion Ratio Lower Upper

50 100

52 33.0 22.9 42.5





#5

Vinyl chloride

Concen: 4.962 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU029283.D

Acq: 25 Jan 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

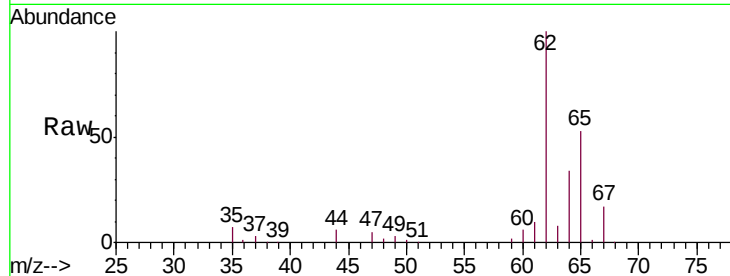
VICV47

Tgt Ion: 62 Resp: 42516

Ion Ratio Lower Upper

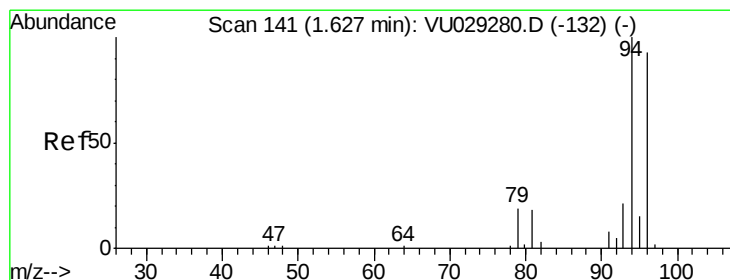
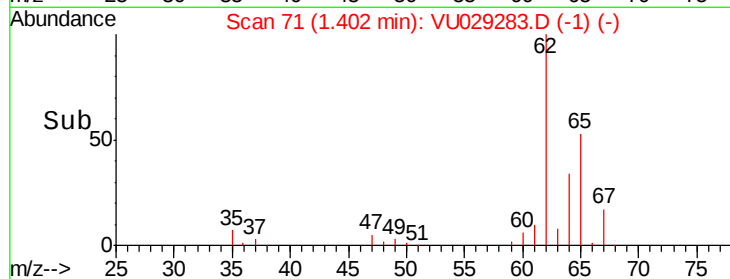
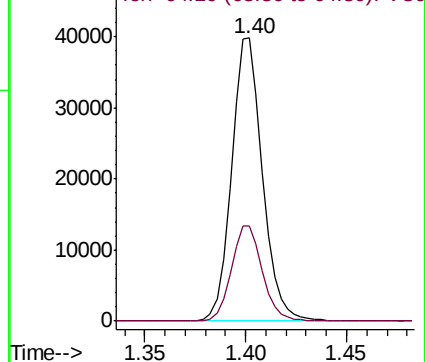
62 100

64 33.8 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.200 ug/L

RT: 1.63 min Scan# 142

Delta R.T. 0.00 min

Lab File: VU029283.D

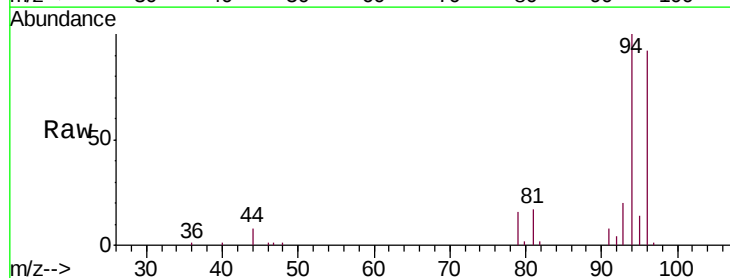
Acq: 25 Jan 2019 12:11

Tgt Ion: 94 Resp: 23992

Ion Ratio Lower Upper

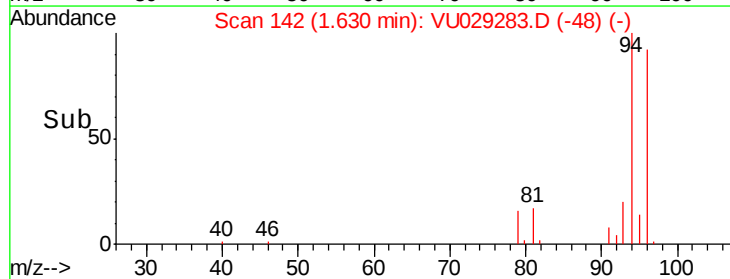
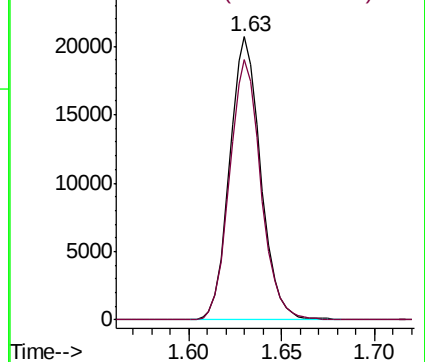
94 100

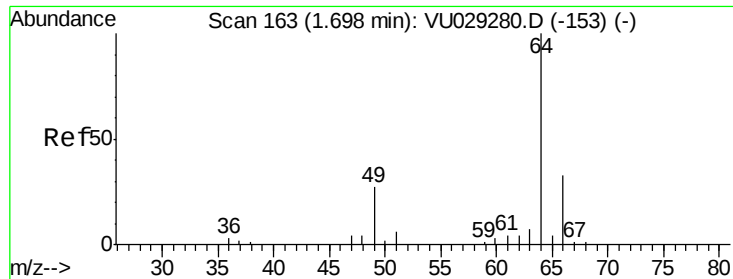
96 92.0 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

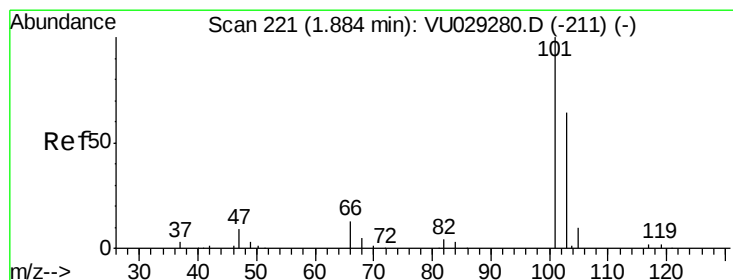
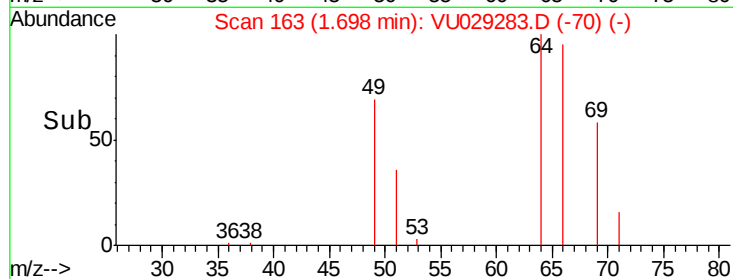
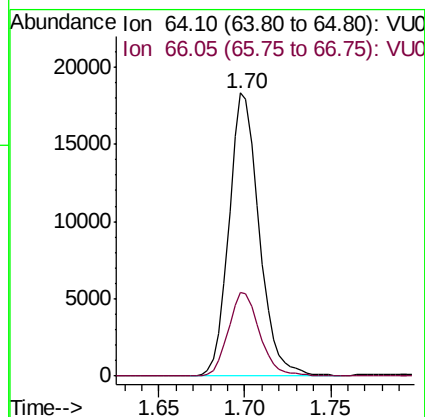
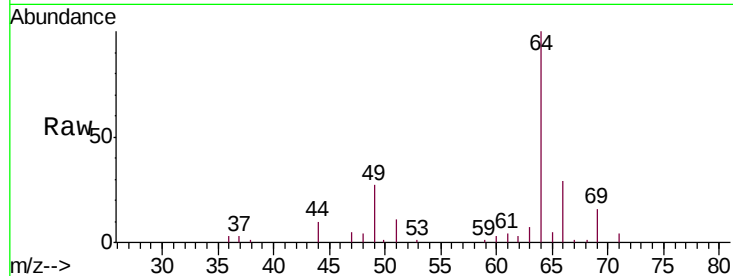




#8
Chloroethane
Concen: 4.719 ug/L
RT: 1.70 min Scan# 163
Delta R.T. -0.00 min
Lab File: VU029283.D
Acq: 25 Jan 2019 12:11

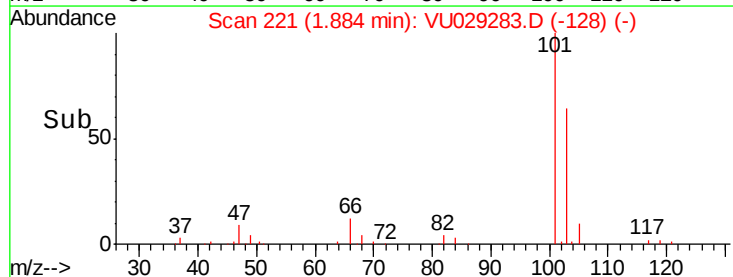
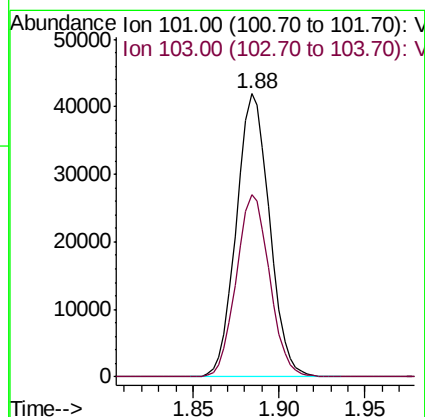
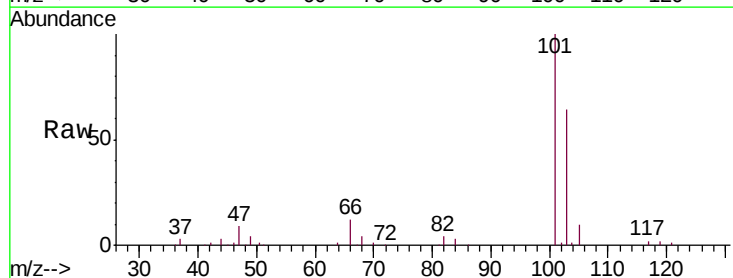
Instrument :
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VICV47

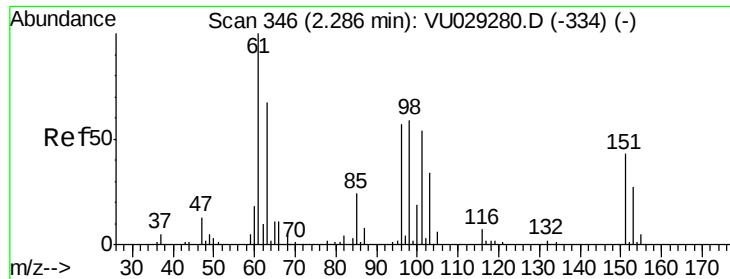
Tgt Ion: 64 Resp: 22591
Ion Ratio Lower Upper
64 100
66 29.5 22.7 42.1



#9
Trichlorofluoromethane
Concen: 4.936 ug/L
RT: 1.88 min Scan# 221
Delta R.T. -0.00 min
Lab File: VU029283.D
Acq: 25 Jan 2019 12:11

Tgt Ion: 101 Resp: 56240
Ion Ratio Lower Upper
101 100
103 64.5 51.9 77.9





#10

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

Concen: 4.875 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU029283.D

Acq: 25 Jan 2019 12:11

Instrument :

MSVOA_U

ClientSampled :

VICV47

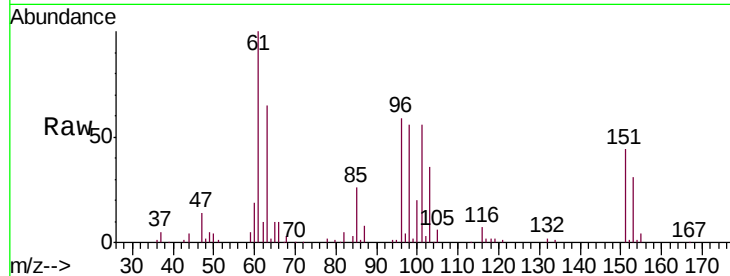
Tgt Ion:101 Resp: 28243

Ion Ratio Lower Upper

101 100

85 44.4 36.2 54.2

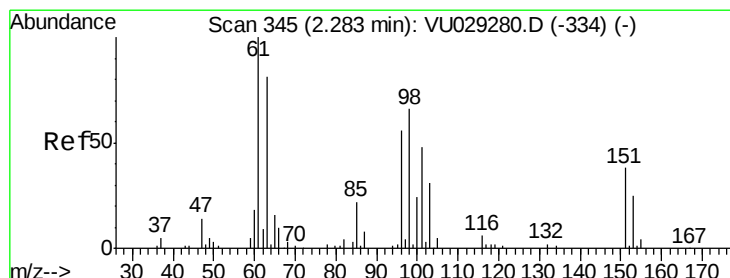
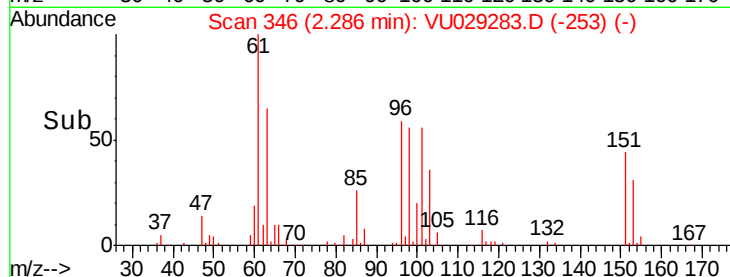
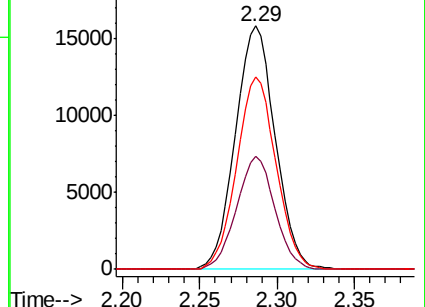
151 78.0 64.5 96.7



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: 4.904 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU029283.D

Acq: 25 Jan 2019 12:11

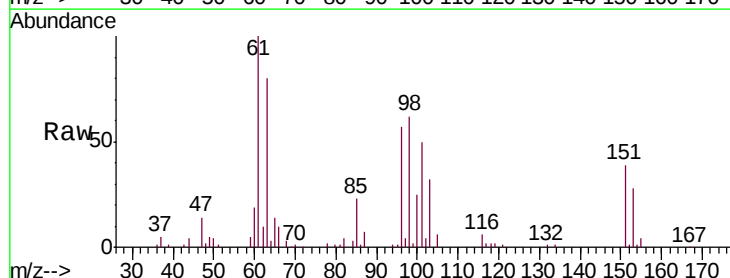
Tgt Ion: 96 Resp: 26187

Ion Ratio Lower Upper

96 100

61 174.9 125.4 233.0

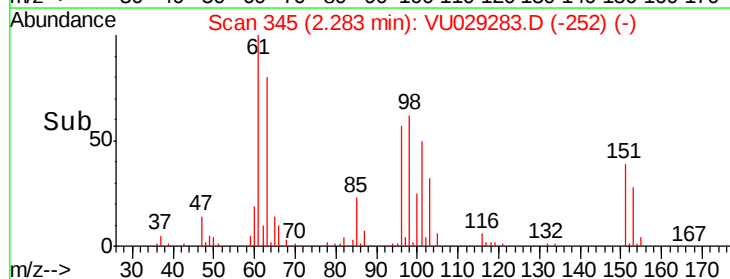
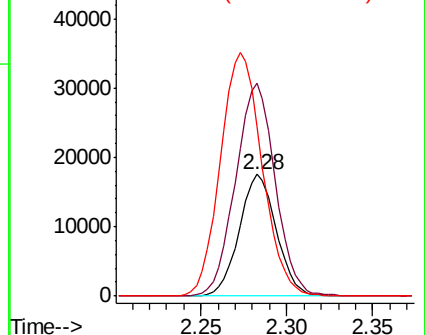
63 139.4 105.8 196.4

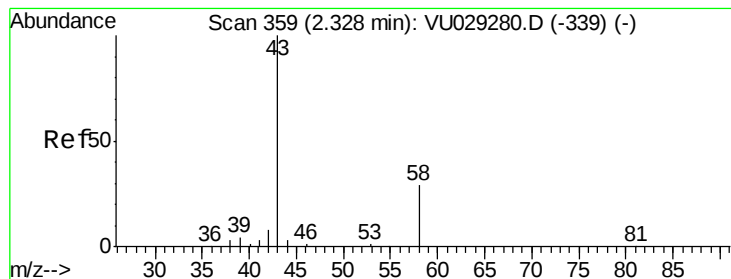


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.104 ug/L

RT: 2.35 min Scan# 366

Delta R.T. 0.02 min

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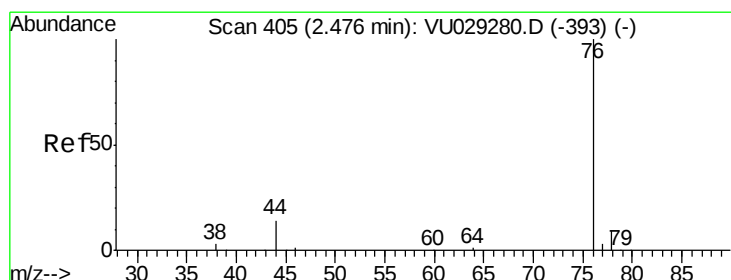
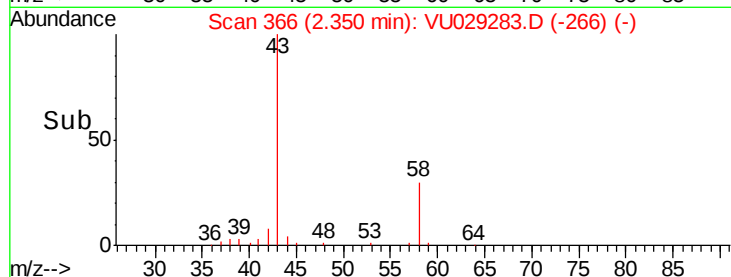
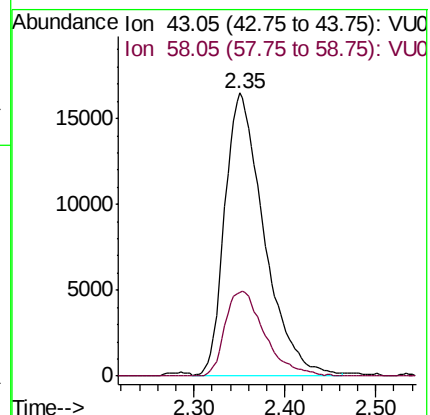
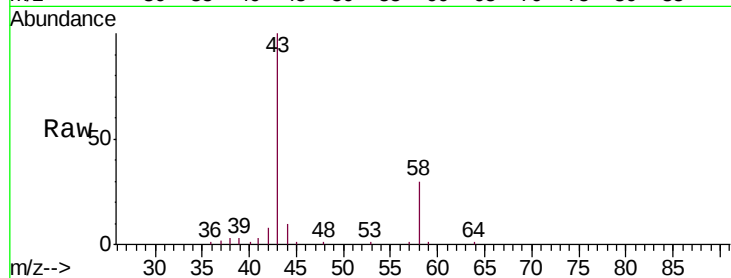
VICV47

Tgt Ion: 43 Resp: 49651

Ion Ratio Lower Upper

43 100

58 30.2 0.0 58.8



#14

Carbon disulfide

Concen: 4.774 ug/L

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU029283.D

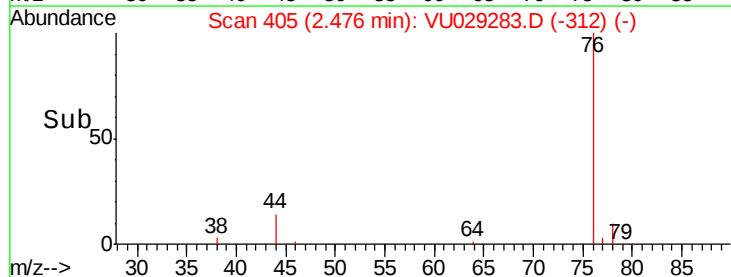
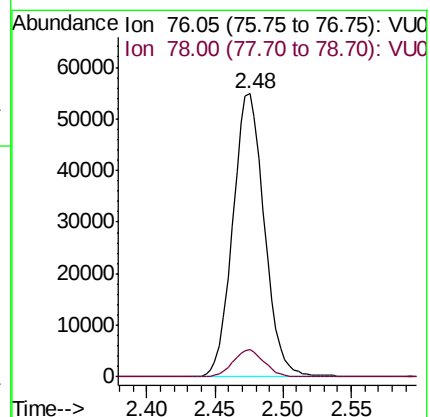
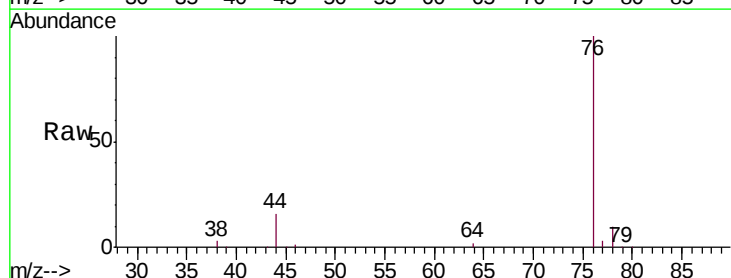
Acq: 25 Jan 2019 12:11

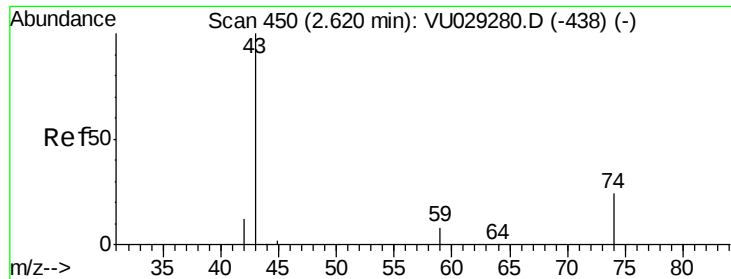
Tgt Ion: 76 Resp: 88282

Ion Ratio Lower Upper

76 100

78 9.7 7.1 10.7





#15

Methyl Acetate

Concen: 4.752 ug/L

RT: 2.63 min Scan# 452

Delta R.T. 0.01 min

Lab File: VU029283.D

Acq: 25 Jan 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

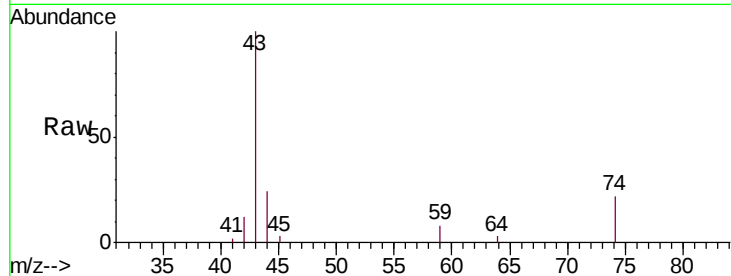
VICV47

Tgt Ion: 43 Resp: 11755

Ion Ratio Lower Upper

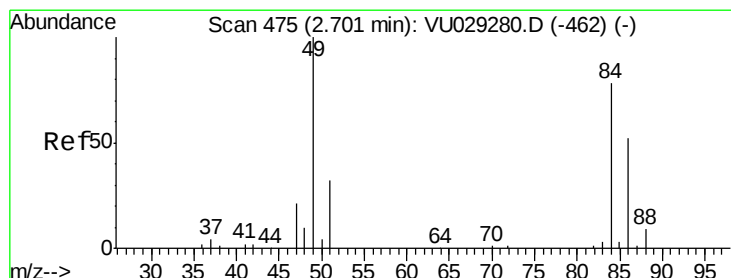
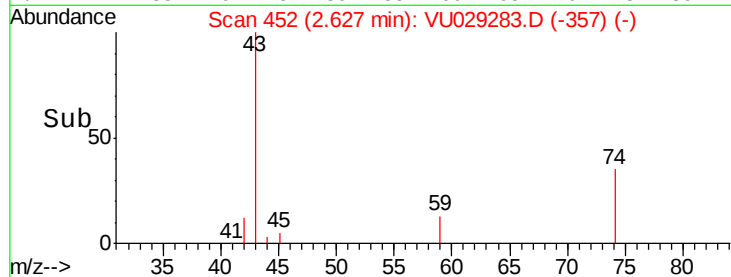
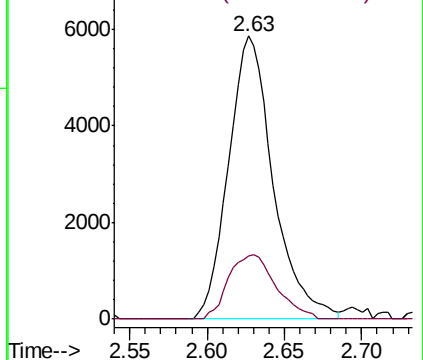
43 100

74 24.2 19.5 29.3



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.620 ug/L

RT: 2.70 min Scan# 474

Delta R.T. -0.00 min

Lab File: VU029283.D

Acq: 25 Jan 2019 12:11

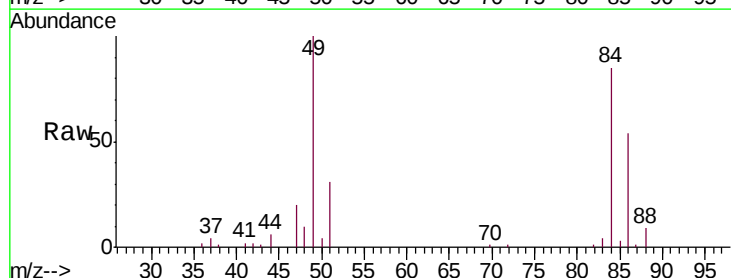
Tgt Ion: 84 Resp: 28954

Ion Ratio Lower Upper

84 100

86 63.1 46.1 85.7

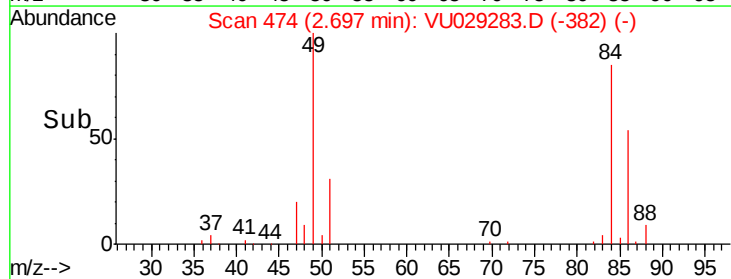
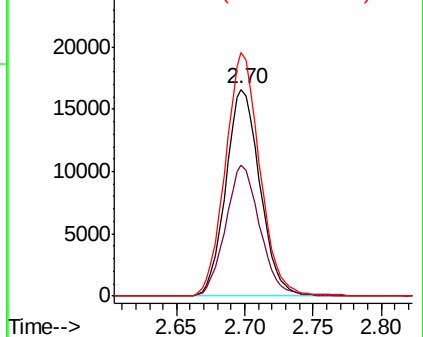
49 117.7 89.3 165.9

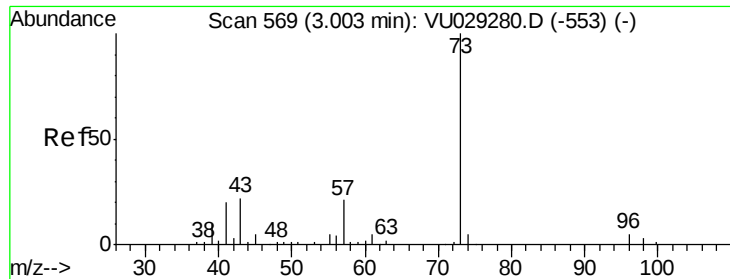


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

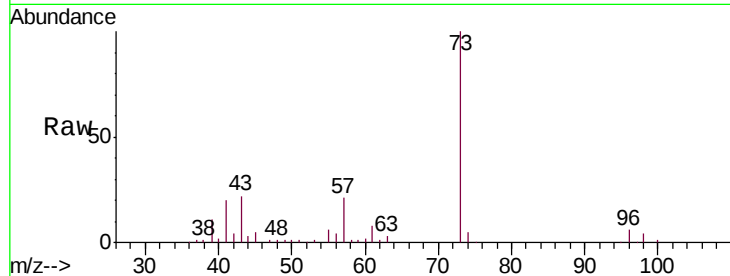




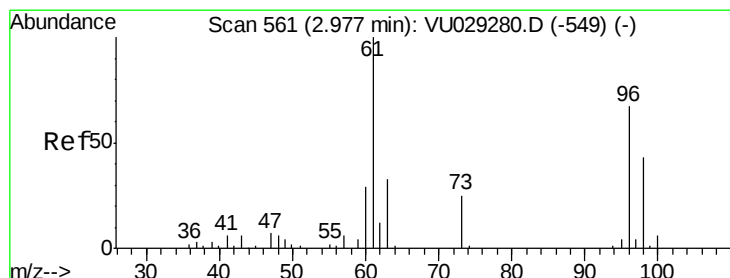
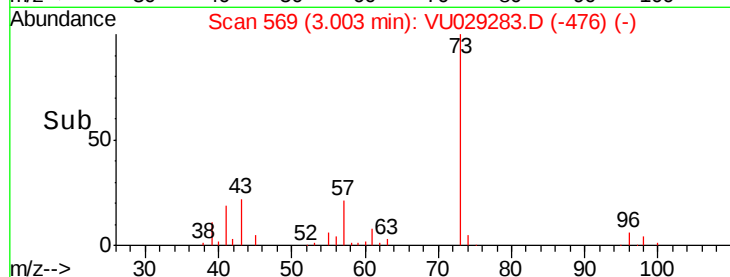
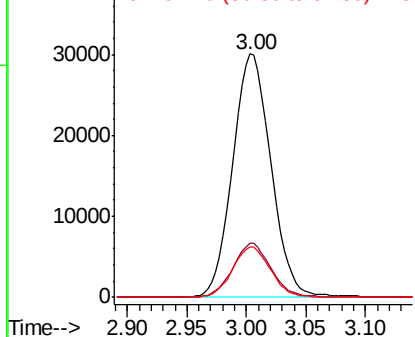
#17
Methyl tert-butyl Ether
Concen: 4.839 ug/L
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU029283.D
Acq: 25 Jan 2019 12:11

Instrument :
MSVOA_U
ClientSampleId :
VICV47

Tgt Ion:	73	Resp:	67071
Ion	Ratio	Lower	Upper
73	100		
43	22.2	17.4	26.2
57	20.5	17.1	25.7

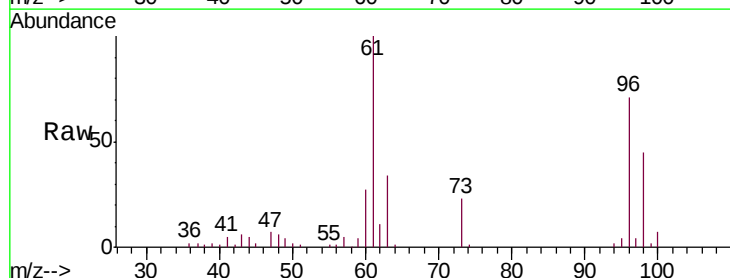


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

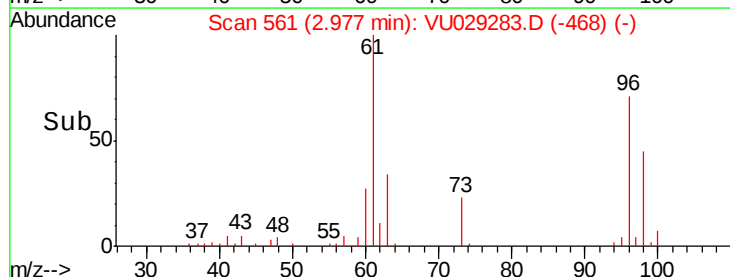
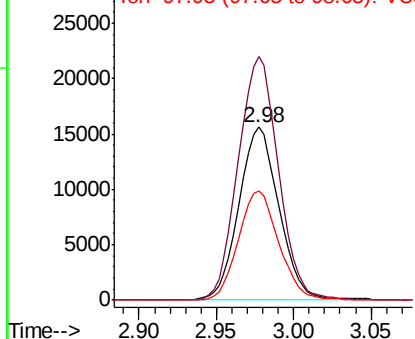


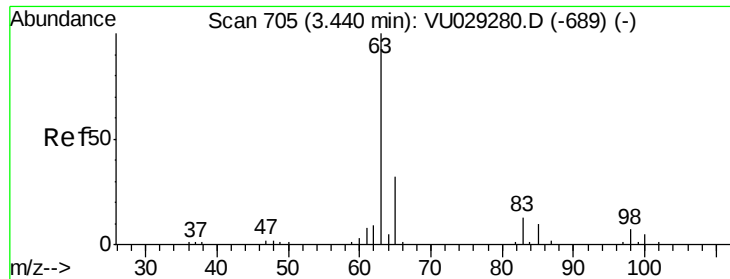
#18
trans-1,2-Dichloroethene
Concen: 4.859 ug/L
RT: 2.98 min Scan# 561
Delta R.T. -0.00 min
Lab File: VU029283.D
Acq: 25 Jan 2019 12:11

Tgt Ion:	96	Resp:	28155
Ion	Ratio	Lower	Upper
96	100		
61	141.0	104.4	194.0
98	63.5	45.4	84.2



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

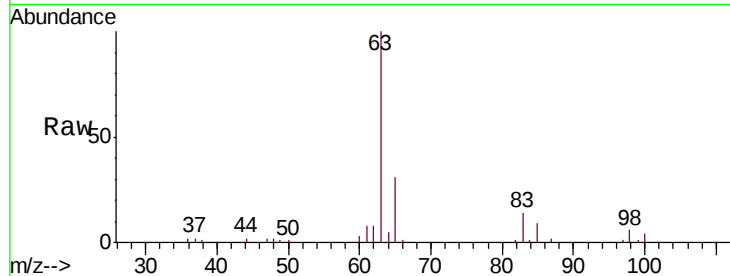




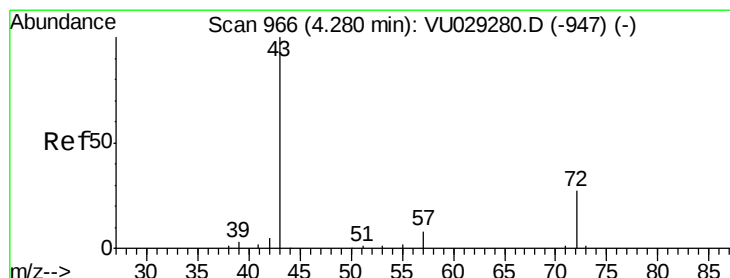
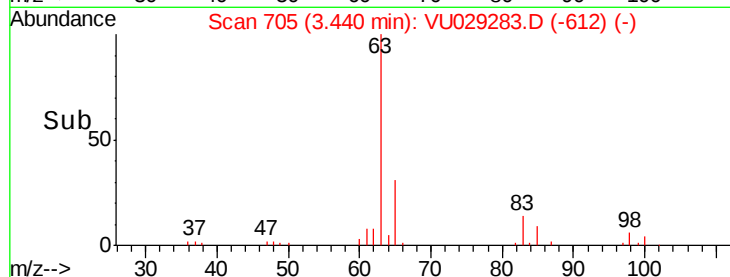
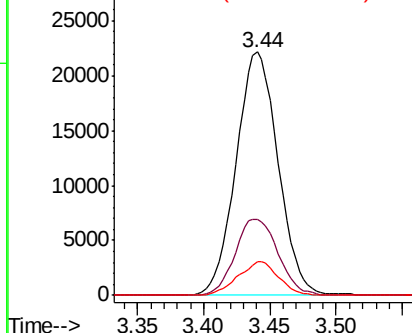
#19
 1,1-Dichloroethane
 Concen: 4.716 ug/L
 RT: 3.44 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: VU029283.D
 Acq: 25 Jan 2019 12:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV47

Tgt Ion: 63 Resp: 48759
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.7 42.1
 83 13.6 9.4 17.6

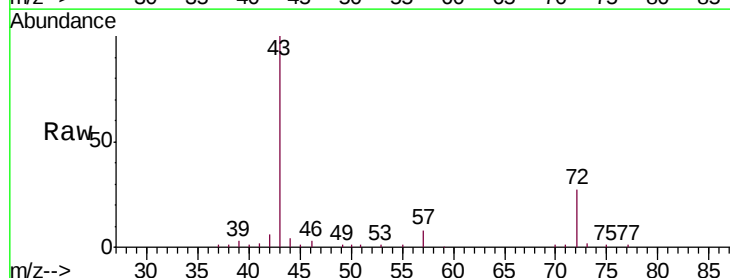


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

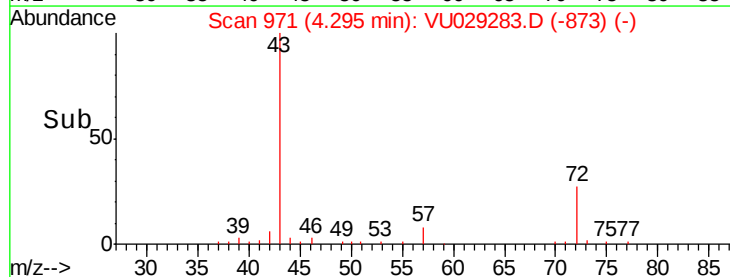
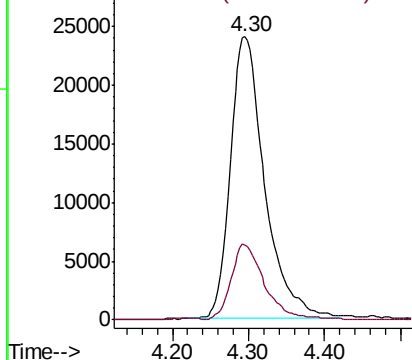


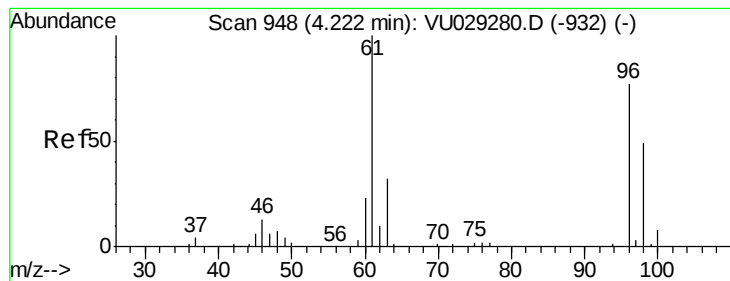
#21
 2-Butanone
 Concen: 50.390 ug/L
 RT: 4.30 min Scan# 971
 Delta R.T. 0.02 min
 Lab File: VU029283.D
 Acq: 25 Jan 2019 12:11

Tgt Ion: 43 Resp: 75282
 Ion Ratio Lower Upper
 43 100
 72 25.8 13.4 40.2



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 4.898 ug/L

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU029283.D

Acq: 25 Jan 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

VICV47

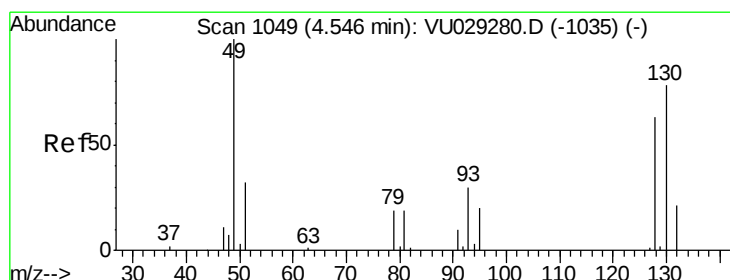
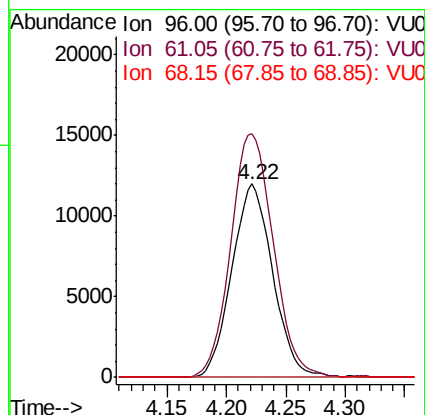
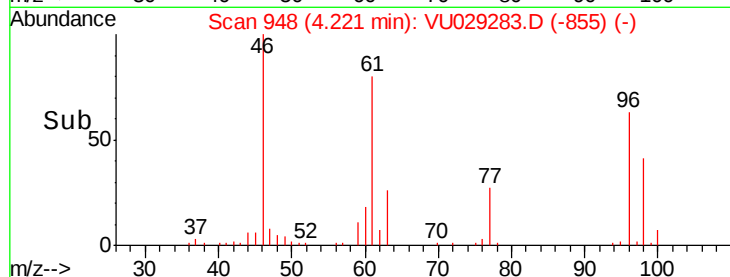
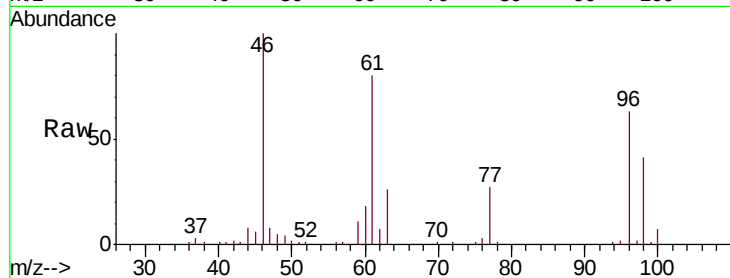
Tgt Ion: 96 Resp: 28534

Ion Ratio Lower Upper

96 100

61 125.8 90.7 168.5

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 4.823 ug/L

RT: 4.55 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU029283.D

Acq: 25 Jan 2019 12:11

Tgt Ion: 128 Resp: 12765

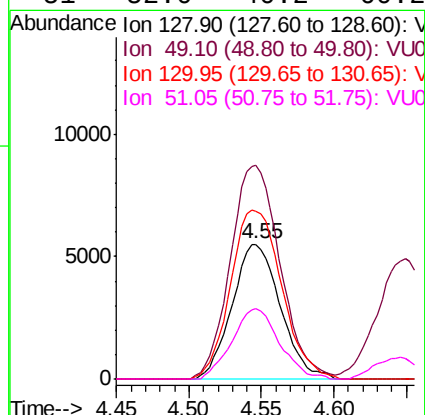
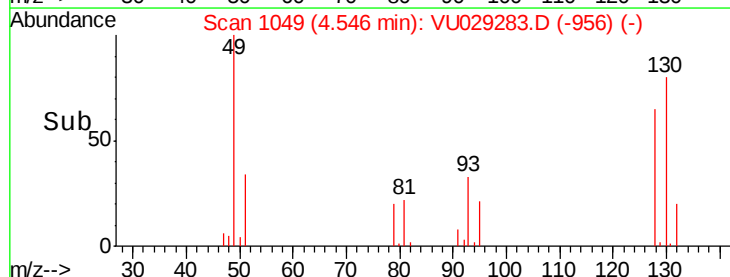
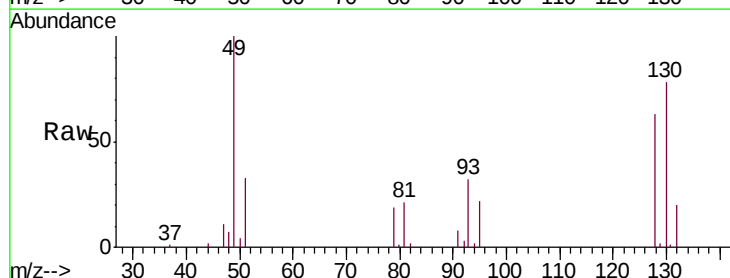
Ion Ratio Lower Upper

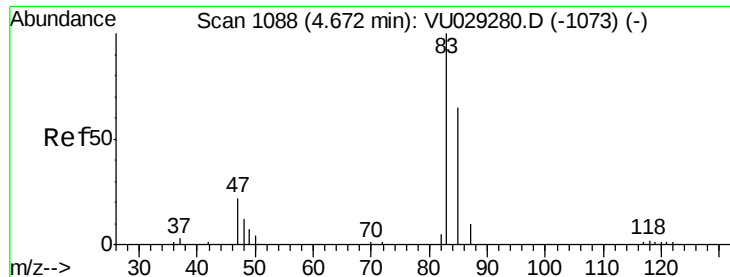
128 100

49 158.5 111.4 206.8

130 124.2 87.1 161.7

51 52.0 40.2 60.2

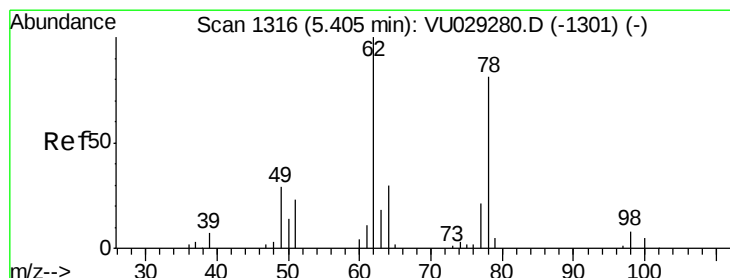
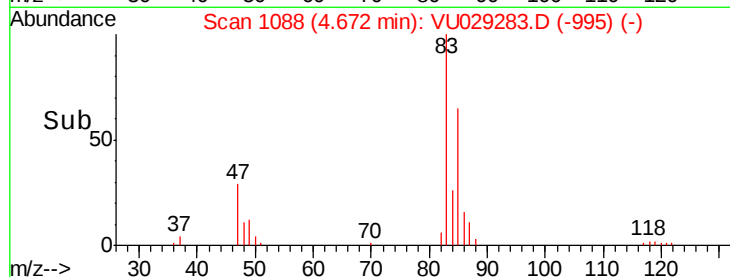
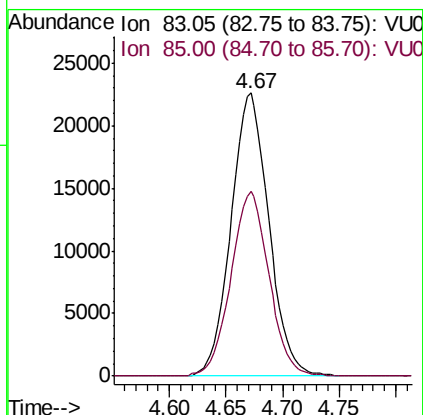
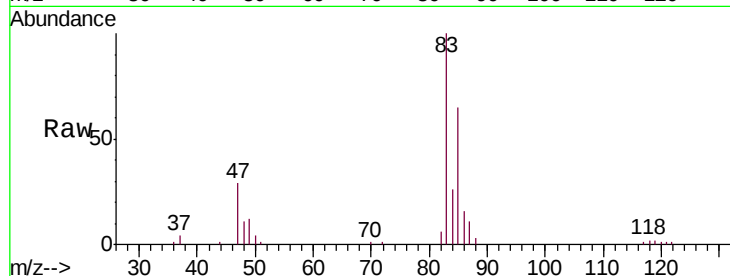




#25
Chloroform
Concen: 4.848 ug/L
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU029283.D
Acq: 25 Jan 2019 12:11

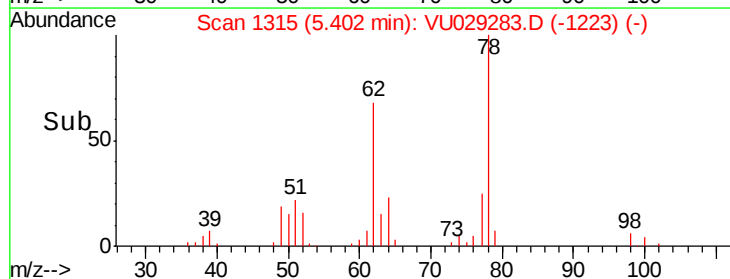
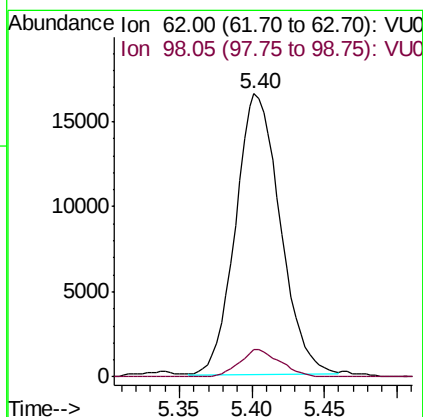
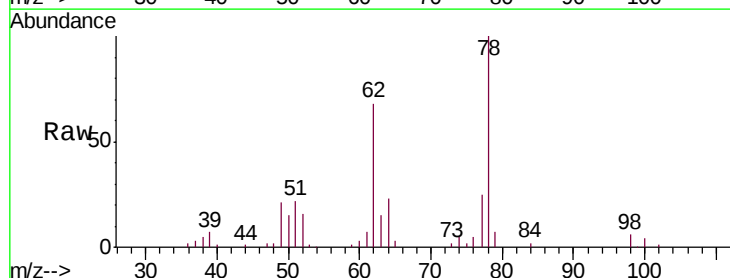
Instrument :
MSVOA_U
ClientSampleId :
VICV47

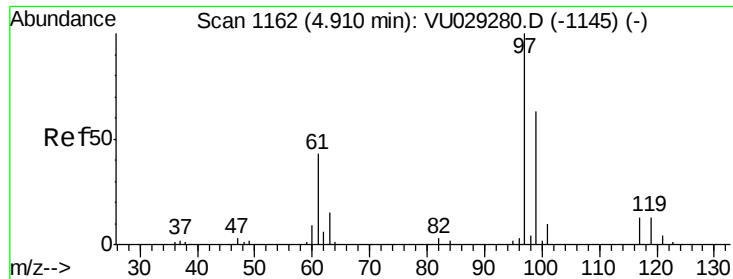
Tgt Ion: 83 Resp: 52487
Ion Ratio Lower Upper
83 100
85 65.1 46.1 85.7



#27
1,2-Dichloroethane
Concen: 4.785 ug/L
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU029283.D
Acq: 25 Jan 2019 12:11

Tgt Ion: 62 Resp: 35478
Ion Ratio Lower Upper
62 100
98 9.5 6.6 10.0

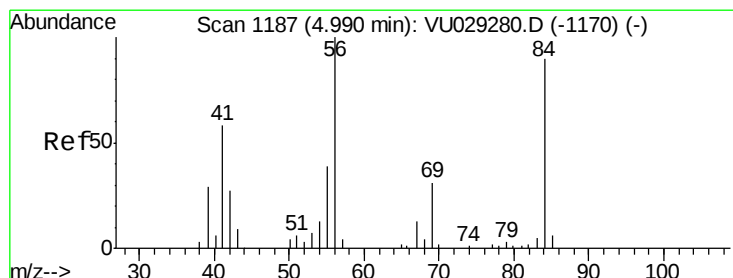
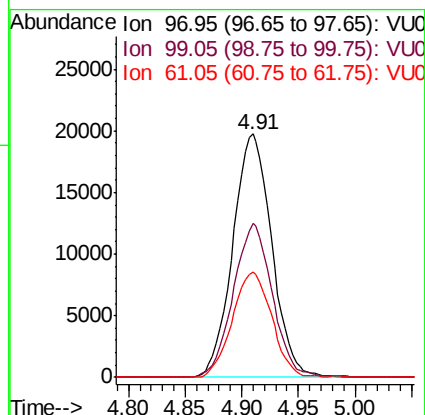
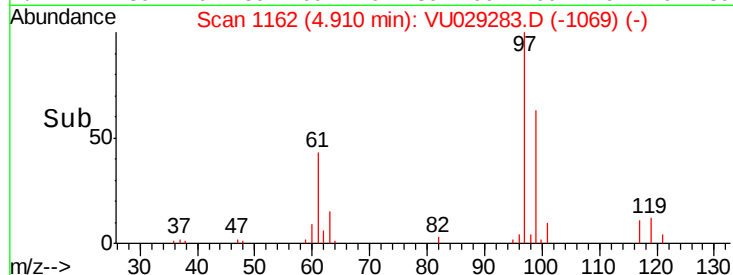
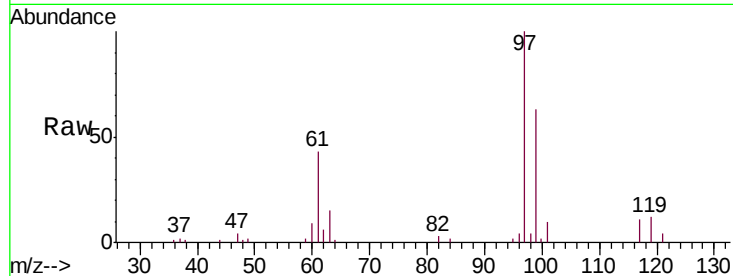




#29
 1,1,1-Trichloroethane
 Concen: 4.905 ug/L
 RT: 4.91 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VU029283.D
 Acq: 25 Jan 2019 12:11

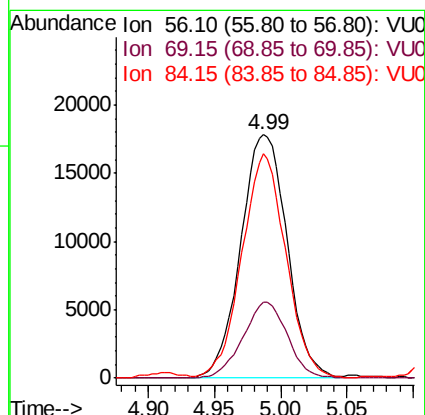
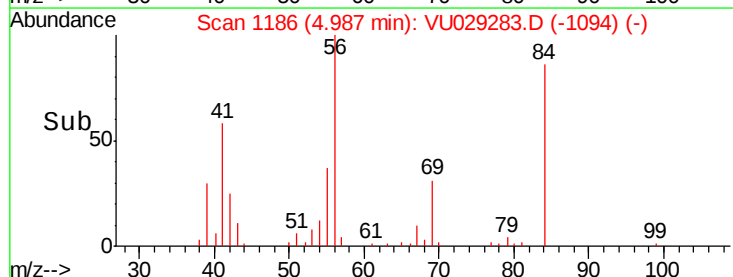
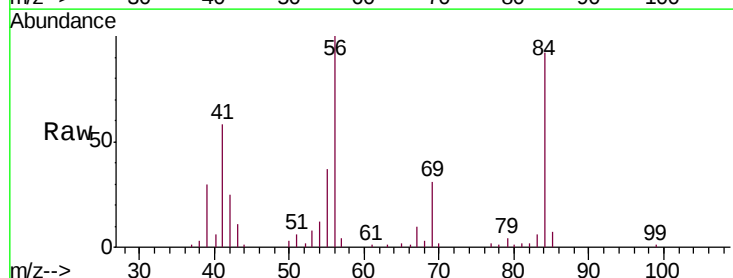
Instrument :
 MSVOA_U
 ClientSampled :
 VICV47

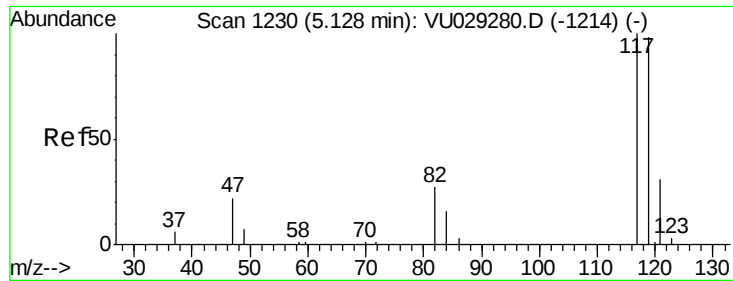
Tgt Ion: 97 Resp: 47264
 Ion Ratio Lower Upper
 97 100
 99 63.2 49.8 74.8
 61 43.7 35.0 52.6



#30
 Cyclohexane
 Concen: 5.009 ug/L
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VU029283.D
 Acq: 25 Jan 2019 12:11

Tgt Ion: 56 Resp: 43397
 Ion Ratio Lower Upper
 56 100
 69 30.0 24.2 36.2
 84 87.8 72.3 108.5





#31

Carbon tetrachloride

Concen: 5.046 ug/L

RT: 5.13 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VU029283.D

Acq: 25 Jan 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

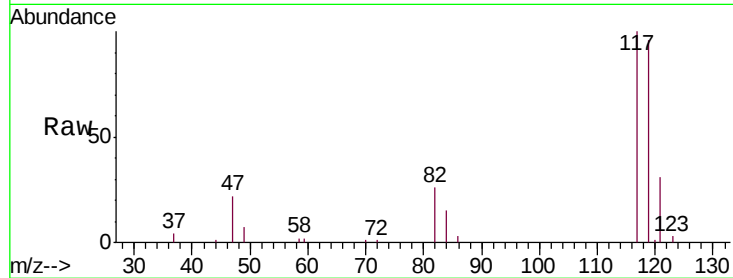
VICV47

Tgt Ion:117 Resp: 41476

Ion Ratio Lower Upper

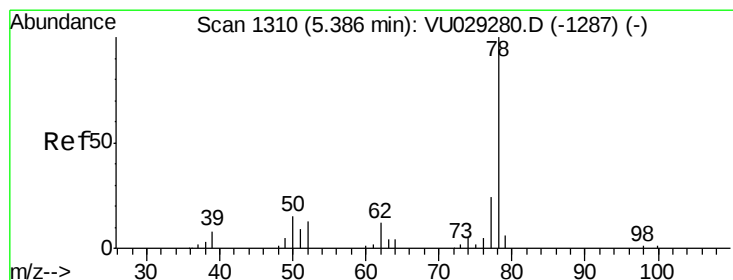
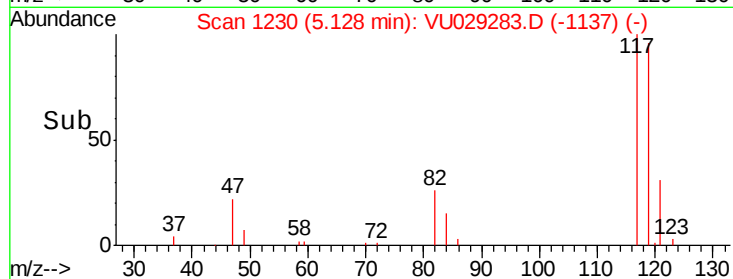
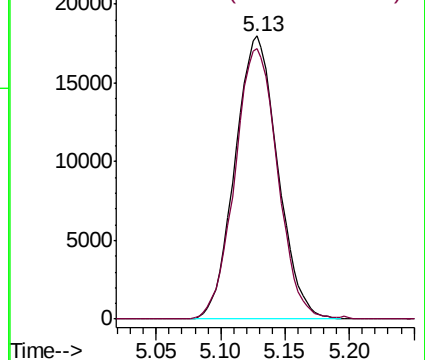
117 100

119 95.5 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.880 ug/L

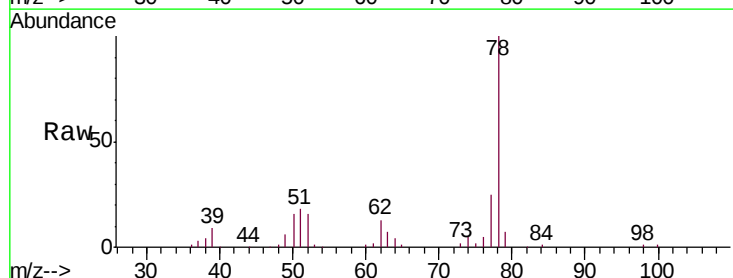
RT: 5.39 min Scan# 1310

Delta R.T. -0.00 min

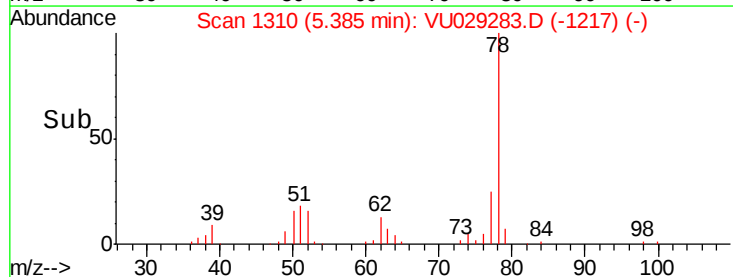
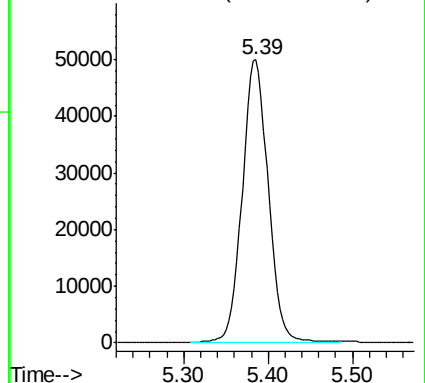
Lab File: VU029283.D

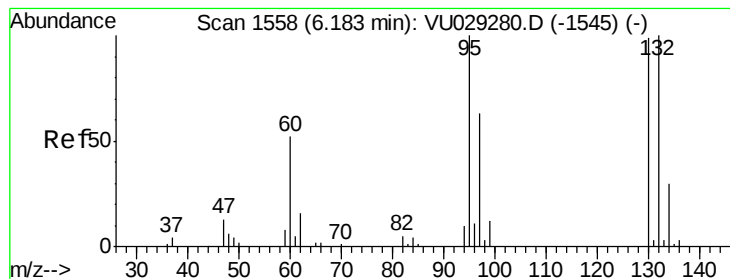
Acq: 25 Jan 2019 12:11

Tgt Ion: 78 Resp: 108192



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.833 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU029283.D

Acq: 25 Jan 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

VICV47

Tgt Ion: 95 Resp: 28371

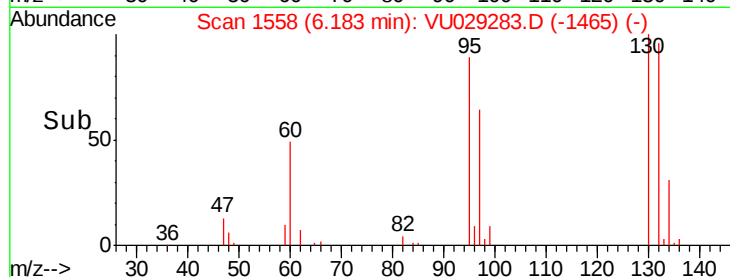
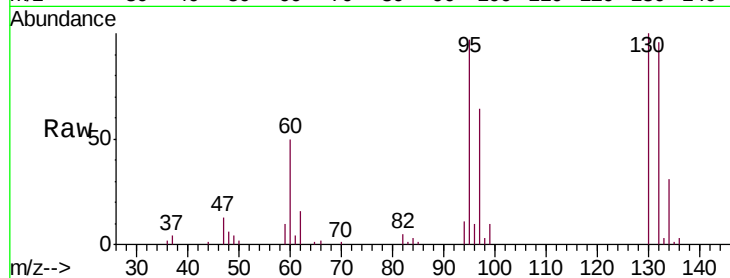
Ion Ratio Lower Upper

95 100

97 66.1 44.3 82.3

132 98.2 69.9 129.9

130 102.7 69.2 128.4

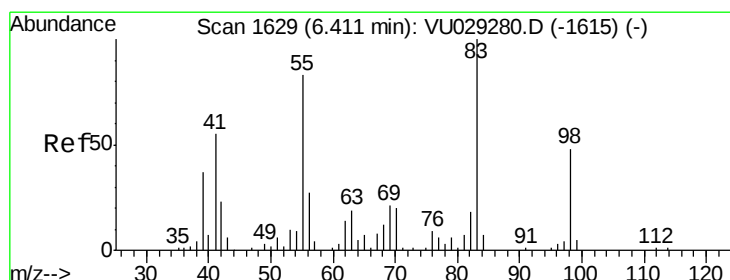
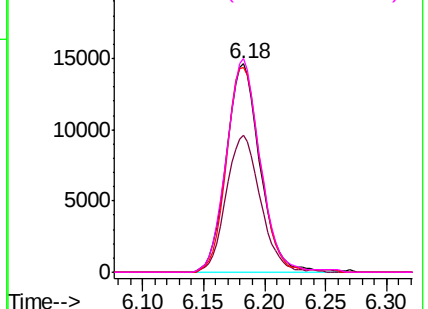


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.910 ug/L

RT: 6.41 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU029283.D

Acq: 25 Jan 2019 12:11

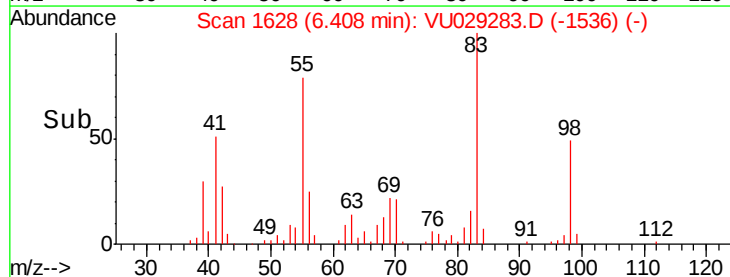
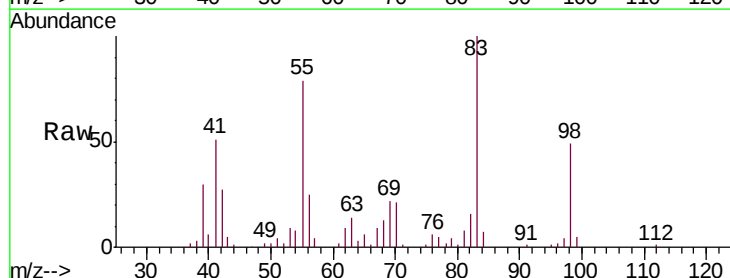
Tgt Ion: 83 Resp: 46084

Ion Ratio Lower Upper

83 100

55 79.2 66.3 99.5

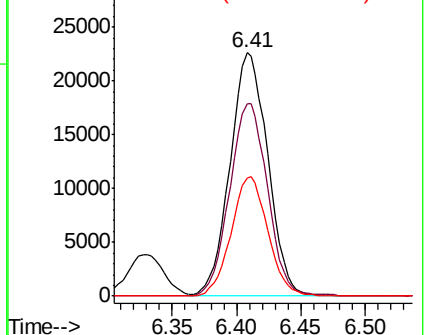
98 47.4 37.9 56.9

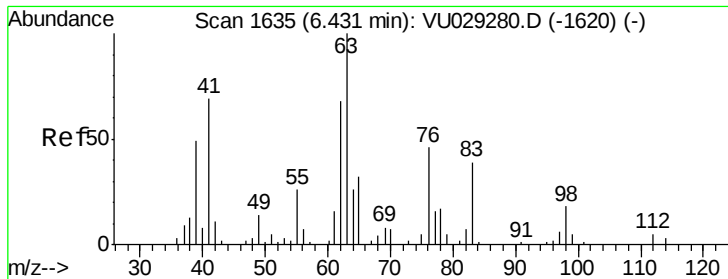


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

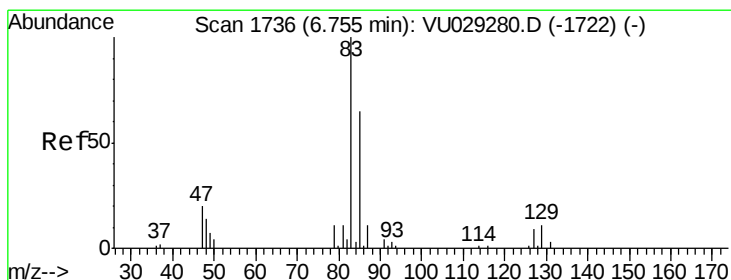
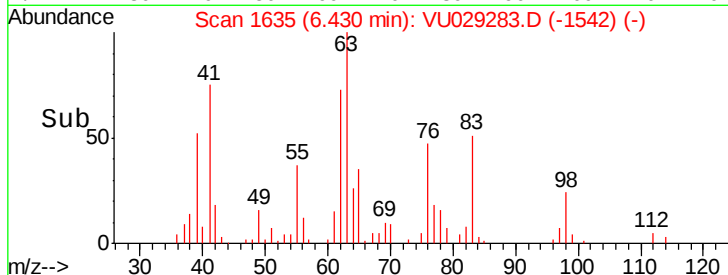
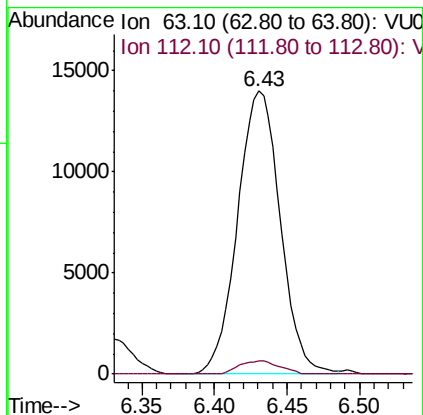
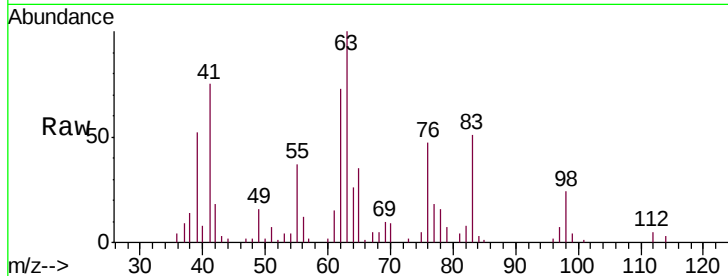




#37
 1,2-Dichloropropane
 Concen: 4.905 ug/L
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU029283.D
 Acq: 25 Jan 2019 12:11

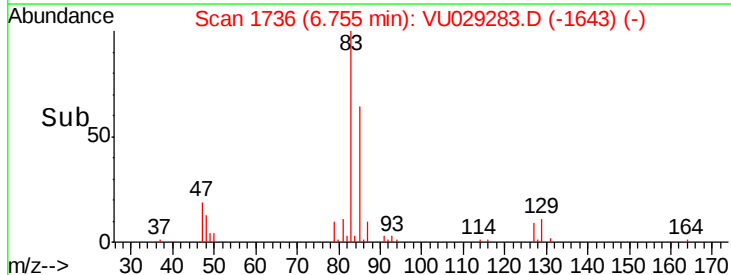
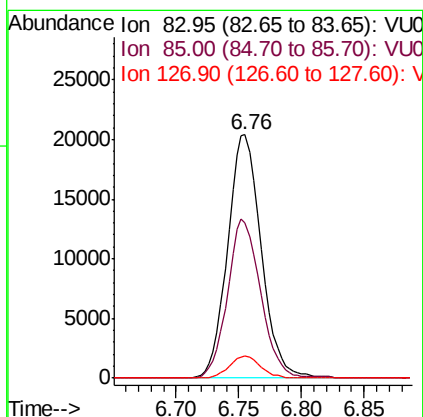
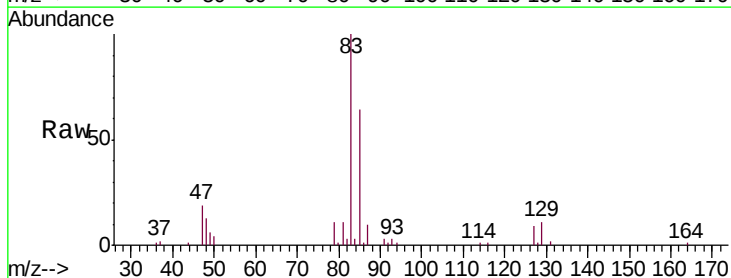
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV47

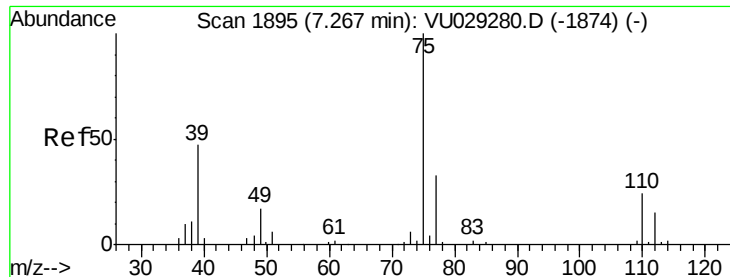
Tgt Ion: 63 Resp: 28701
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.9 5.9



#38
 Bromodichloromethane
 Concen: 4.916 ug/L
 RT: 6.76 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: VU029283.D
 Acq: 25 Jan 2019 12:11

Tgt Ion: 83 Resp: 38008
 Ion Ratio Lower Upper
 83 100
 85 63.6 45.3 84.1
 127 9.0 7.1 10.7

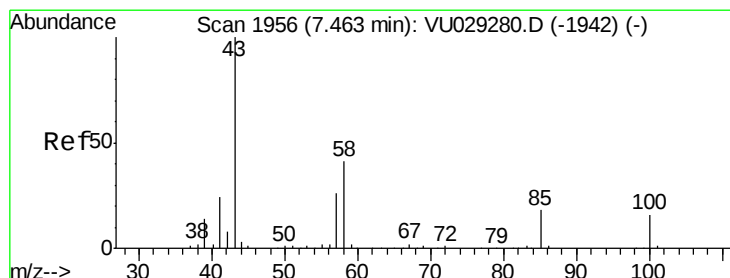
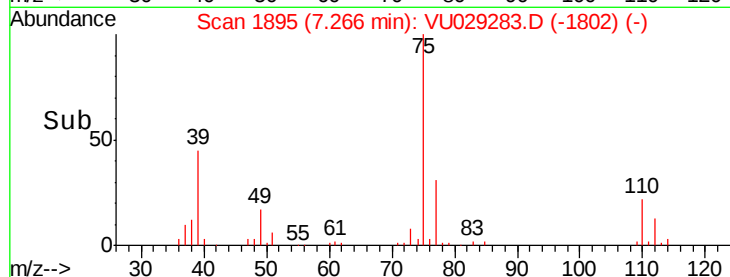
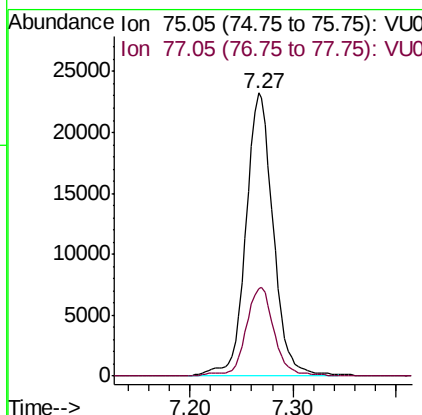
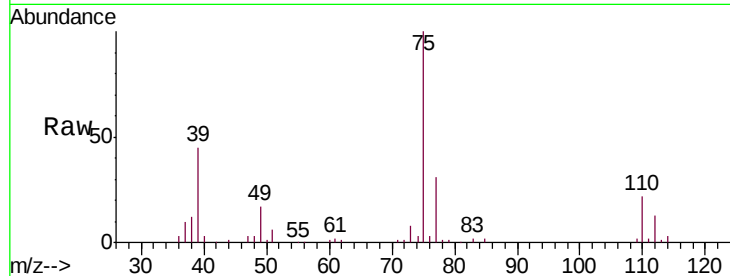




#39
 cis-1,3-Dichloropropene
 Concen: 5.082 ug/L
 RT: 7.27 min Scan# 1895
 Delta R.T. -0.00 min
 Lab File: VU029283.D
 Acq: 25 Jan 2019 12:11

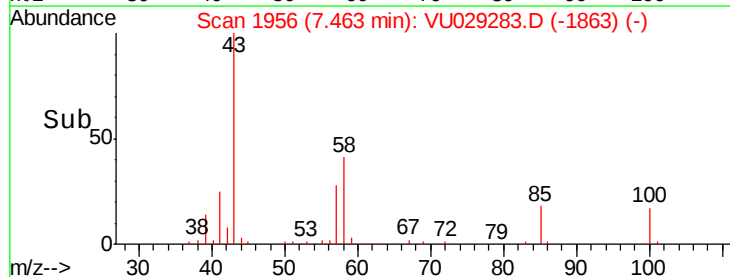
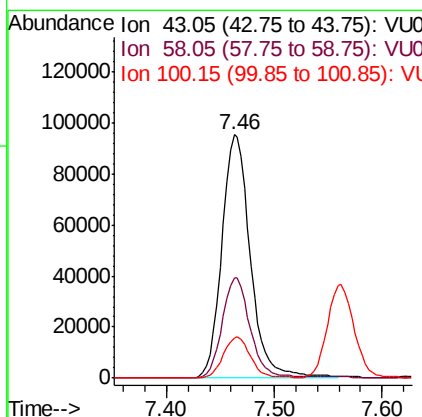
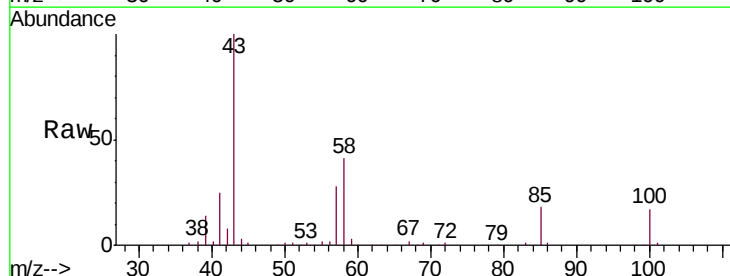
Instrument :
 MSVOA_U
 ClientSampled :
 VICV47

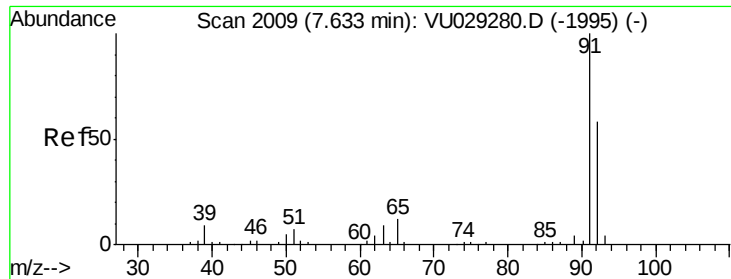
Tgt Ion: 75 Resp: 42737
 Ion Ratio Lower Upper
 75 100
 77 30.8 23.2 43.0



#40
 4-Methyl-2-pentanone
 Concen: 49.699 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VU029283.D
 Acq: 25 Jan 2019 12:11

Tgt Ion: 43 Resp: 175461
 Ion Ratio Lower Upper
 43 100
 58 40.8 31.8 47.6
 100 16.3 12.4 18.6





#42

Toluene

Concen: 4.992 ug/L

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU029283.D

Acq: 25 Jan 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

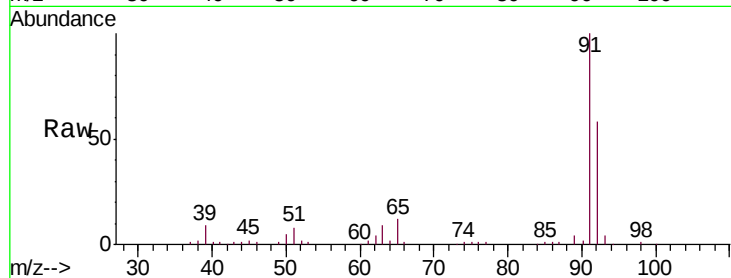
VICV47

Tgt Ion: 91 Resp: 119405

Ion Ratio Lower Upper

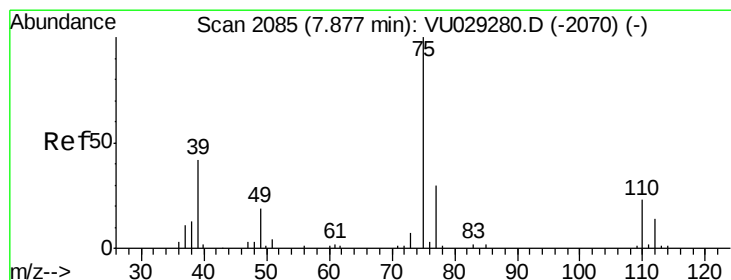
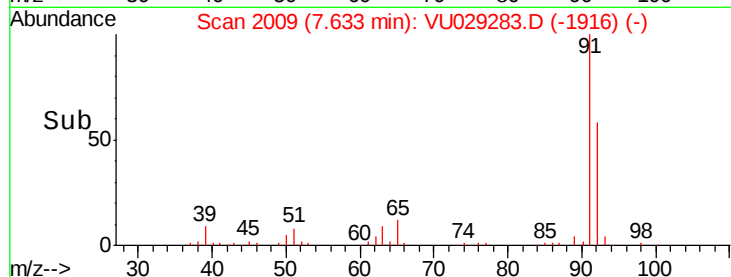
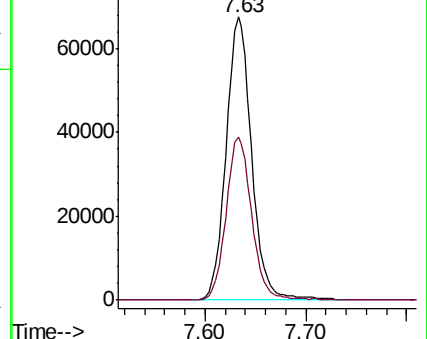
91 100

92 57.6 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 5.018 ug/L

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU029283.D

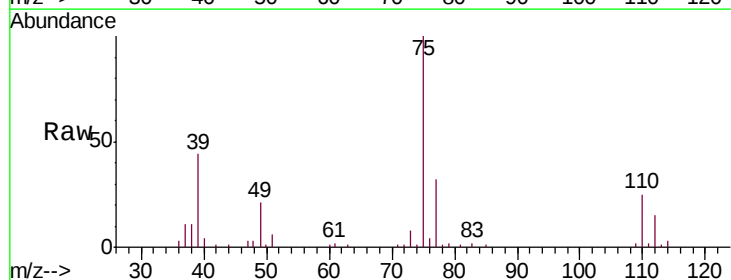
Acq: 25 Jan 2019 12:11

Tgt Ion: 75 Resp: 36694

Ion Ratio Lower Upper

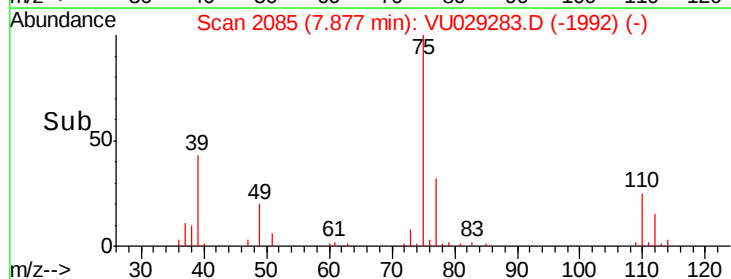
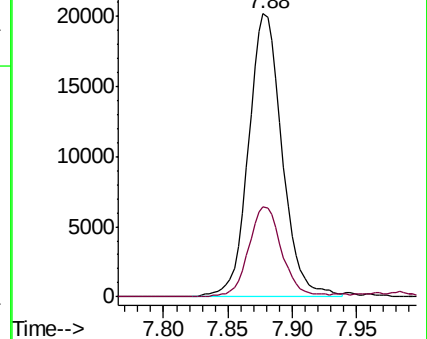
75 100

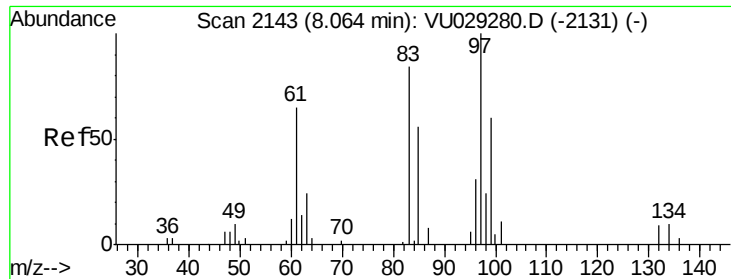
77 31.9 21.1 39.1



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

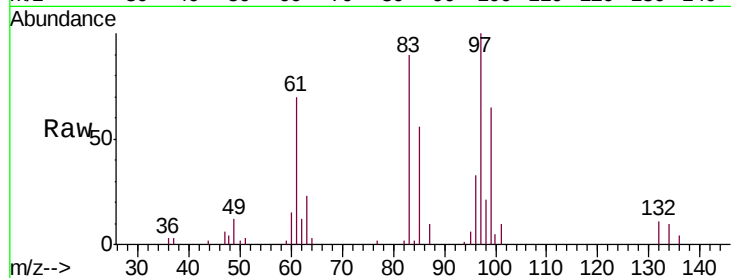




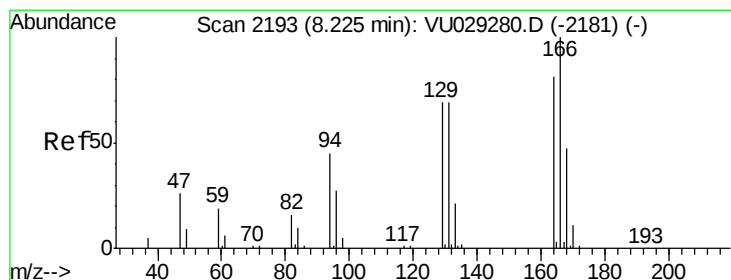
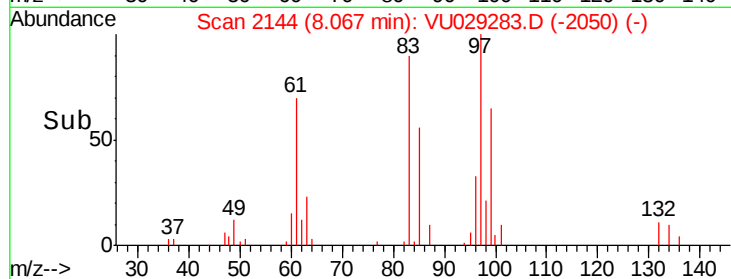
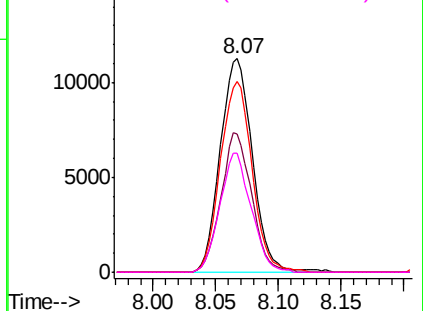
#45
 1,1,2-Trichloroethane
 Concen: 4.782 ug/L
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU029283.D
 Acq: 25 Jan 2019 12:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV47

Tgt Ion:	97	Resp:	20109
Ion	Ratio	Lower	Upper
97	100		
99	65.0	42.1	78.3
83	89.5	58.7	108.9
85	55.5	39.4	73.2

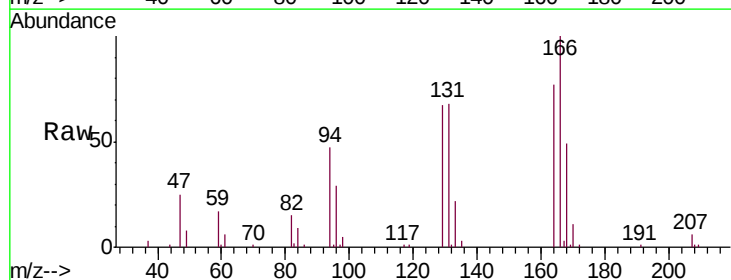


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

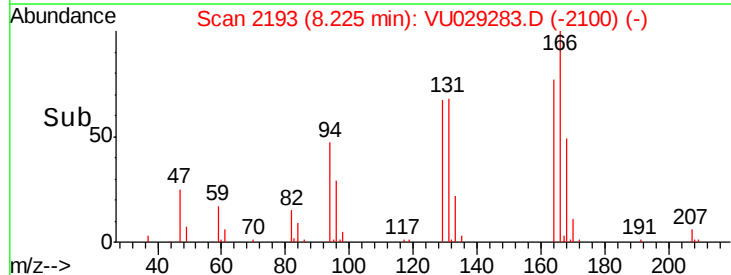
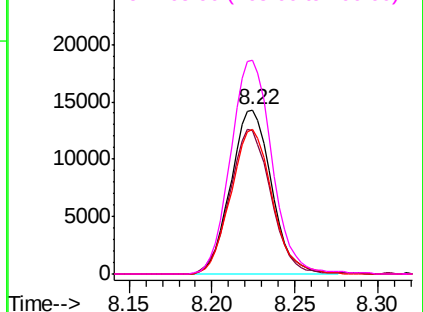


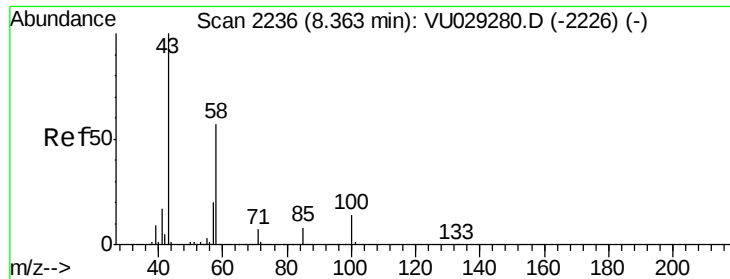
#47
 Tetrachloroethene
 Concen: 4.751 ug/L
 RT: 8.22 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU029283.D
 Acq: 25 Jan 2019 12:11

Tgt Ion:	164	Resp:	24479
Ion	Ratio	Lower	Upper
164	100		
129	86.9	60.1	111.7
131	87.9	59.9	111.3
166	129.9	86.9	161.3



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

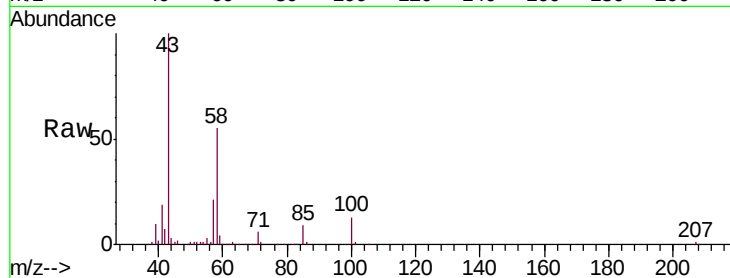




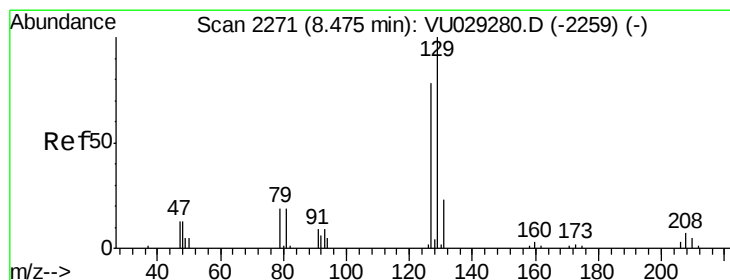
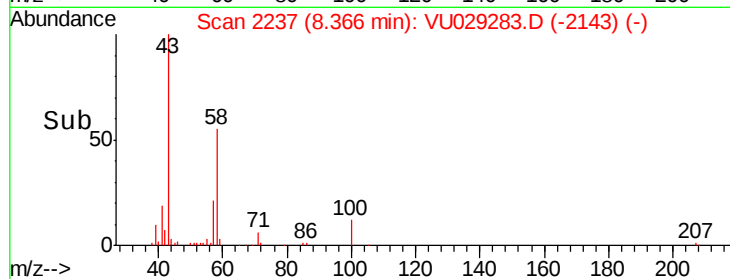
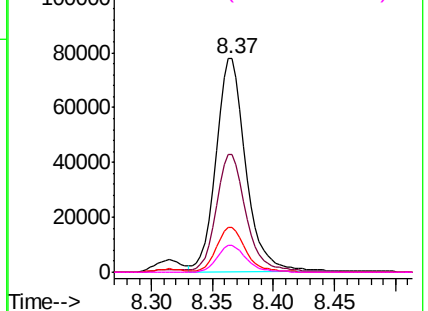
#48
2-Hexanone
Concen: 51.928 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU029283.D
Acq: 25 Jan 2019 12:11

Instrument :
MSVOA_U
ClientSampleId :
VICV47

Tgt Ion: 43 Resp: 133612
Ion Ratio Lower Upper
43 100
58 55.0 44.2 66.2
57 20.9 15.4 23.2
100 12.5 10.0 15.0

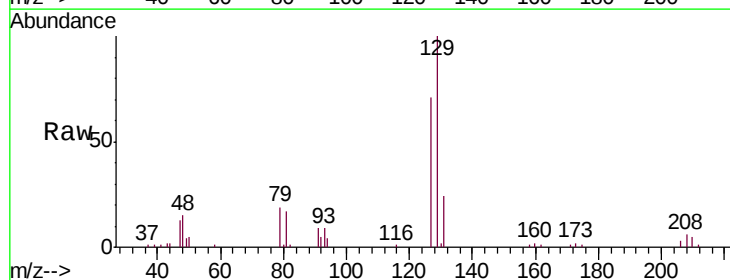


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

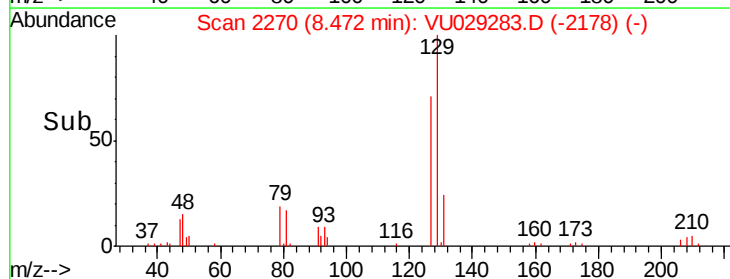
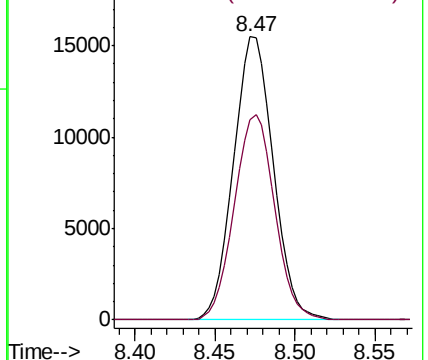


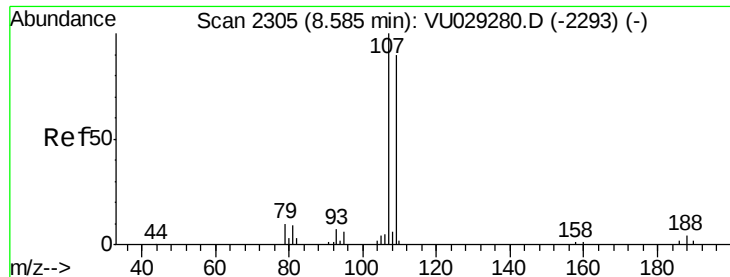
#49
Dibromochloromethane
Concen: 5.034 ug/L
RT: 8.47 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VU029283.D
Acq: 25 Jan 2019 12:11

Tgt Ion: 129 Resp: 26283
Ion Ratio Lower Upper
129 100
127 70.7 54.7 101.7



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

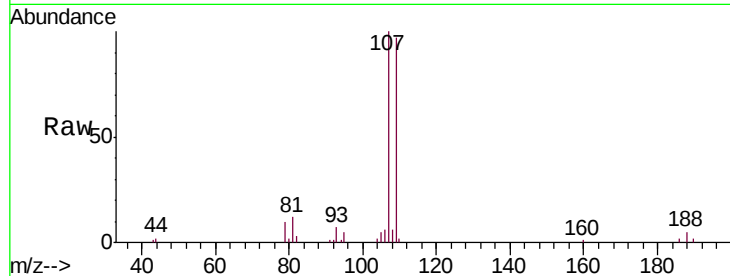




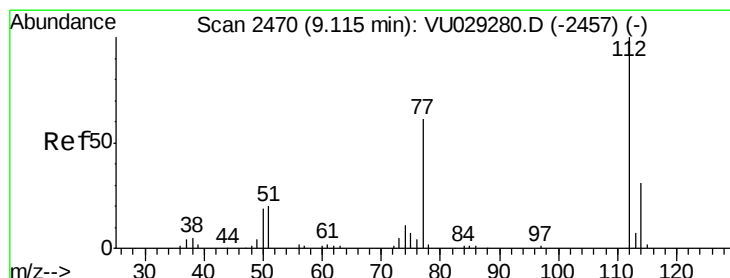
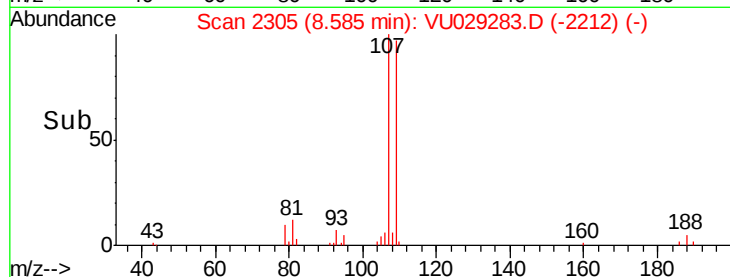
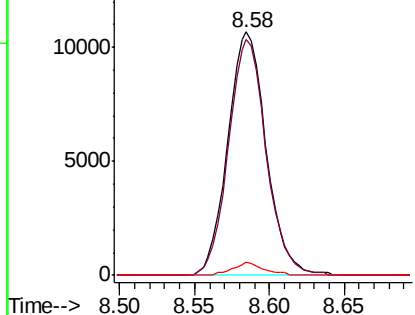
#50
 1,2-Dibromoethane
 Concen: 4.672 ug/L
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU029283.D
 Acq: 25 Jan 2019 12:11

Instrument :
 MSVOA_U
 ClientSampled :
 VICV47

Tgt Ion:107 Resp: 19009
 Ion Ratio Lower Upper
 107 100
 109 97.1 62.7 116.5
 188 5.2 3.4 5.0#

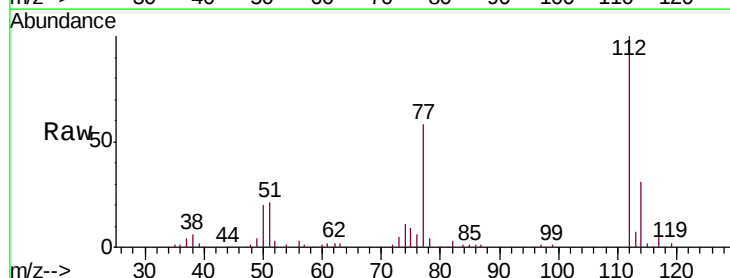


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

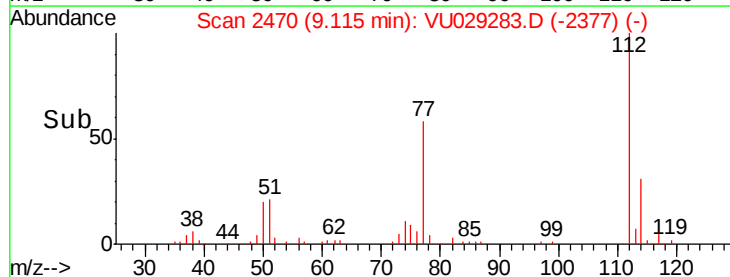
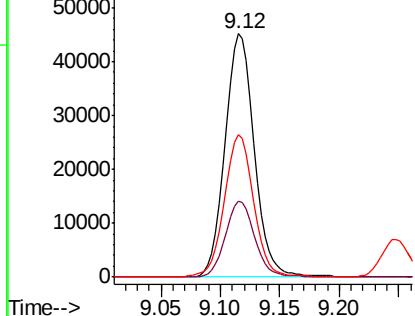


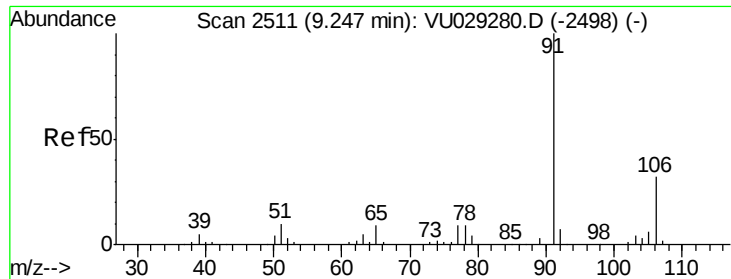
#51
 Chlorobenzene
 Concen: 4.913 ug/L
 RT: 9.12 min Scan# 2470
 Delta R.T. -0.00 min
 Lab File: VU029283.D
 Acq: 25 Jan 2019 12:11

Tgt Ion:112 Resp: 77258
 Ion Ratio Lower Upper
 112 100
 114 31.4 22.0 40.8
 77 58.5 49.0 73.4



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): VU0





#52

Ethylbenzene

Concen: 4.880 ug/L

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU029283.D

Acq: 25 Jan 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

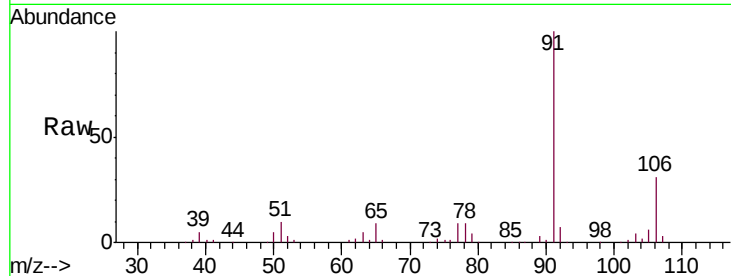
VICV47

Tgt Ion: 91 Resp: 128075

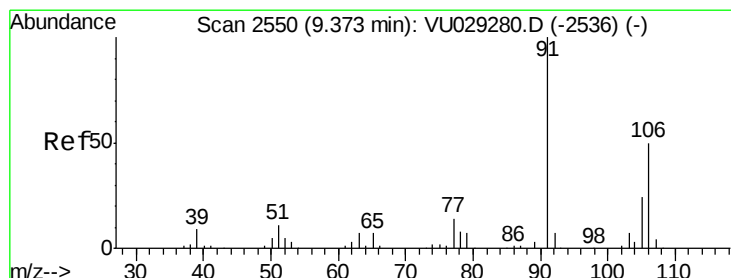
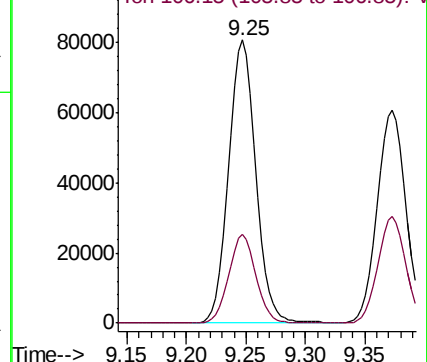
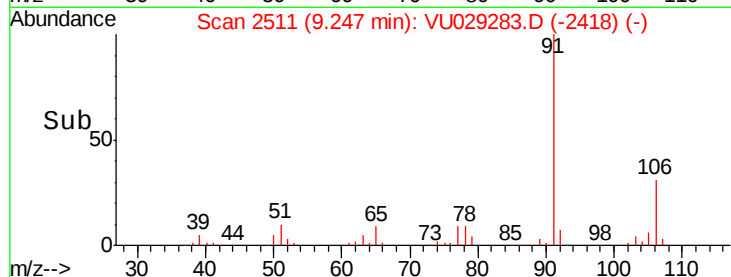
Ion Ratio Lower Upper

91 100

106 31.4 22.0 41.0



Abundance Ion 91.15 (90.85 to 91.85): VU029283.D (-2418) (-)



#53

m,p-xylene

Concen: 4.988 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU029283.D

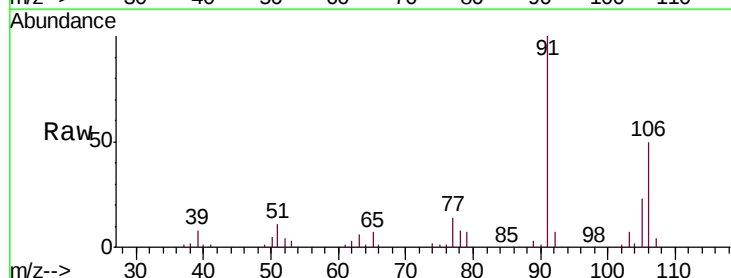
Acq: 25 Jan 2019 12:11

Tgt Ion: 106 Resp: 49741

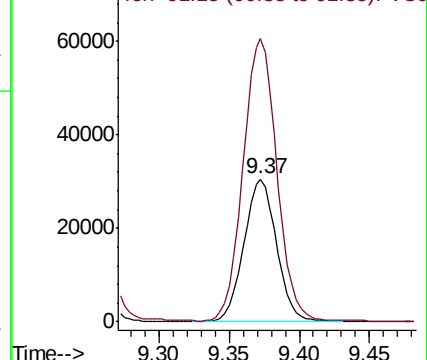
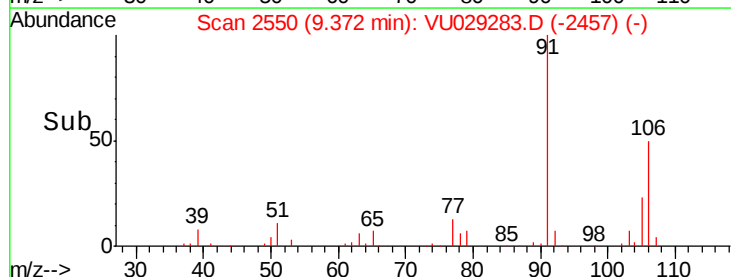
Ion Ratio Lower Upper

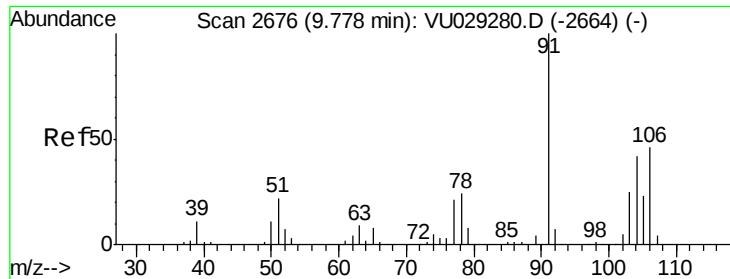
106 100

91 198.3 141.5 262.7



Abundance Ion 106.15 (105.85 to 106.85): VU029283.D (-2457) (-)

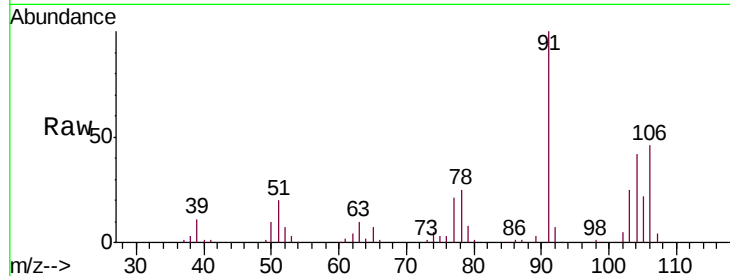




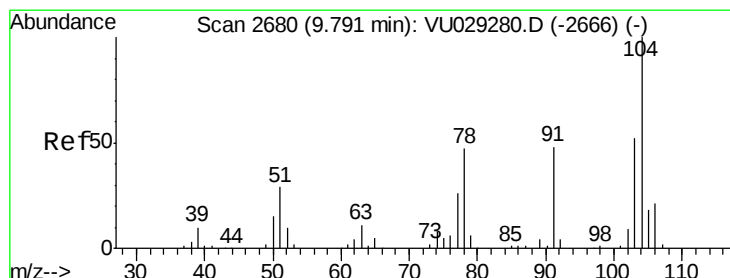
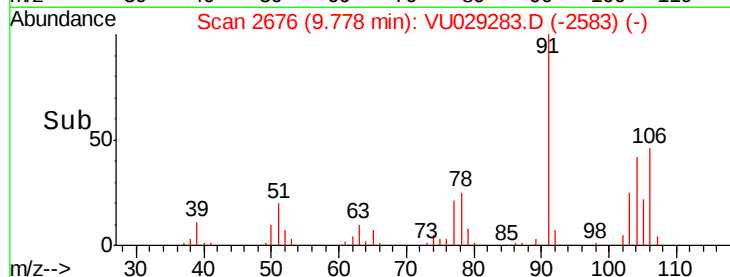
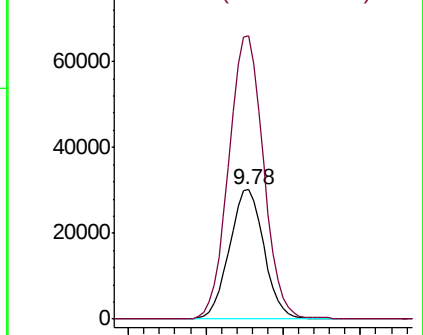
#54
o-xylene
Concen: 4.923 ug/L
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU029283.D
Acq: 25 Jan 2019 12:11

Instrument :
MSVOA_U
ClientSampleId :
VICV47

Tgt Ion:106 Resp: 46703
Ion Ratio Lower Upper
106 100
91 218.4 153.6 285.2

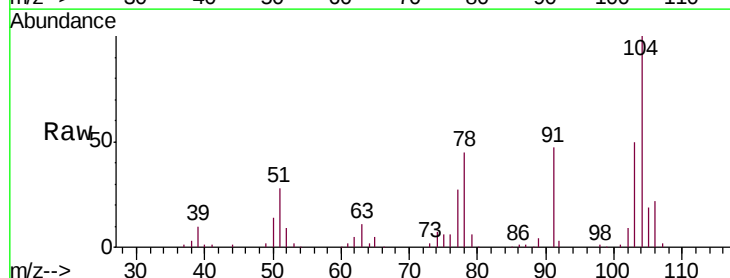


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

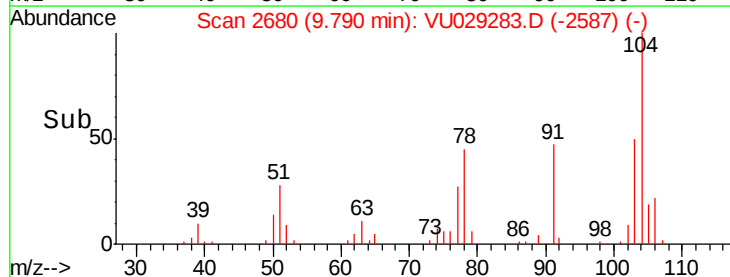
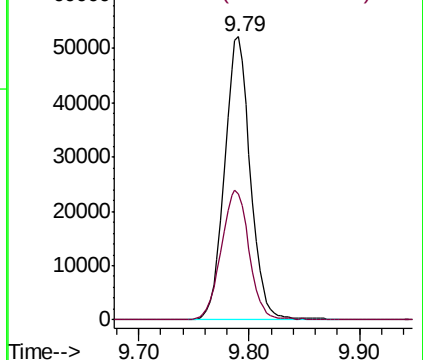


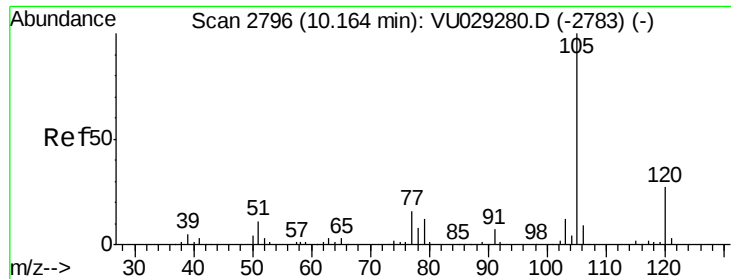
#55
Styrene
Concen: 5.125 ug/L
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU029283.D
Acq: 25 Jan 2019 12:11

Tgt Ion:104 Resp: 84602
Ion Ratio Lower Upper
104 100
78 44.7 33.1 61.5



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.976 ug/L

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU029283.D

Acq: 25 Jan 2019 12:11

Instrument :

MSVOA_U

ClientSampled :

VICV47

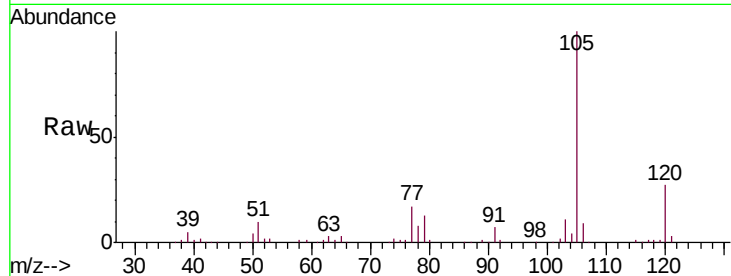
Tgt Ion: 105 Resp: 127190

Ion Ratio Lower Upper

105 100

120 26.3 20.9 31.3

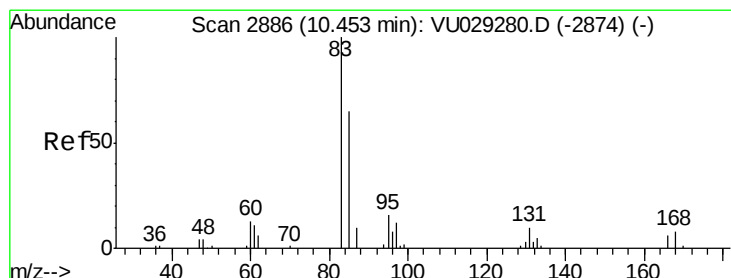
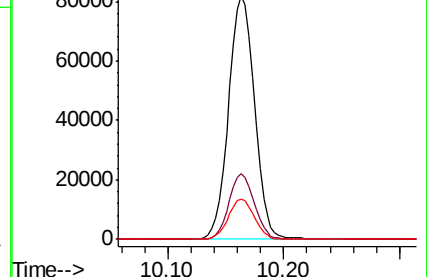
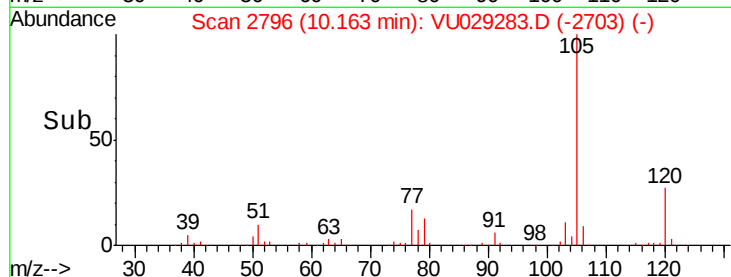
77 16.5 12.8 19.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.723 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029283.D

Acq: 25 Jan 2019 12:11

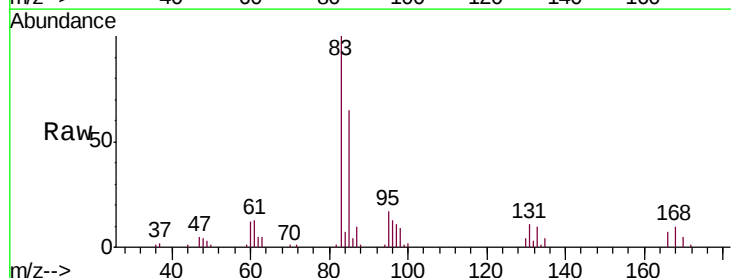
Tgt Ion: 83 Resp: 25886

Ion Ratio Lower Upper

83 100

85 65.3 45.8 85.0

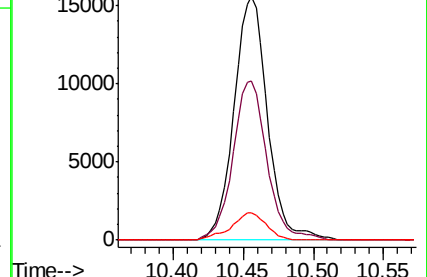
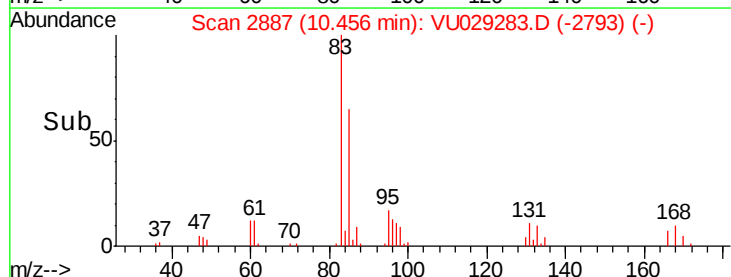
131 11.1 8.8 13.2

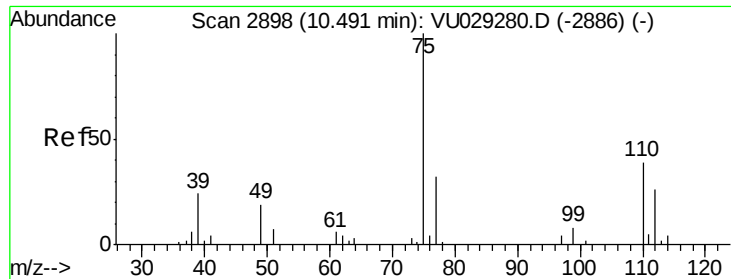


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.952 ug/L

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU029283.D

Acq: 25 Jan 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

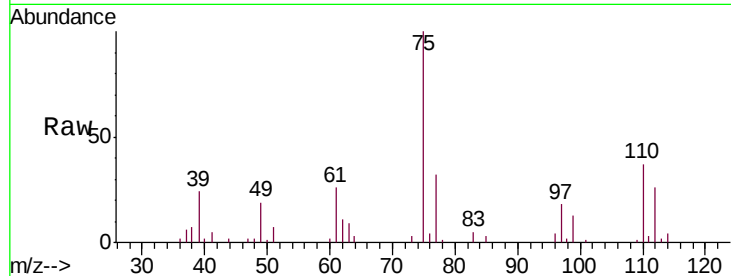
VICV47

Tgt Ion: 75 Resp: 19957

Ion Ratio Lower Upper

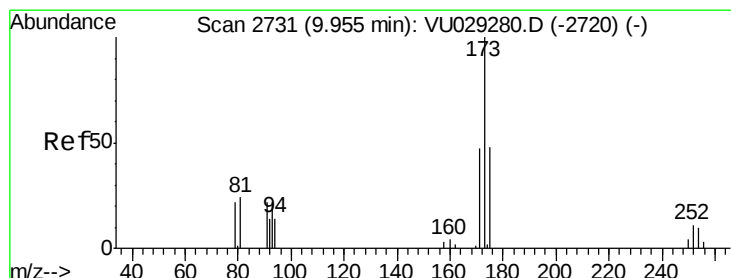
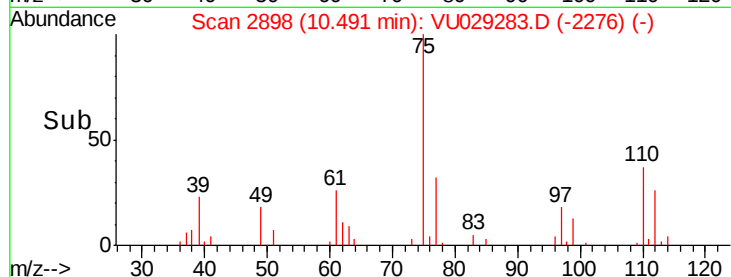
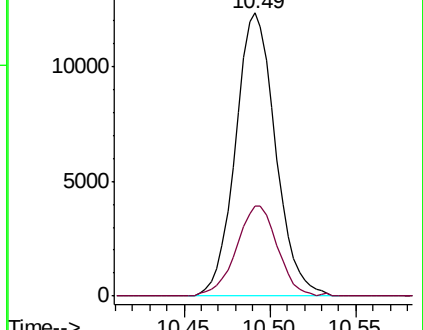
75 100

77 32.6 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VU029280.D (-2886) (-)

Ion 77.00 (76.70 to 77.70): VU029280.D (-2886) (-)



#61

Bromoform

Concen: 5.059 ug/L

RT: 9.95 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VU029283.D

Acq: 25 Jan 2019 12:11

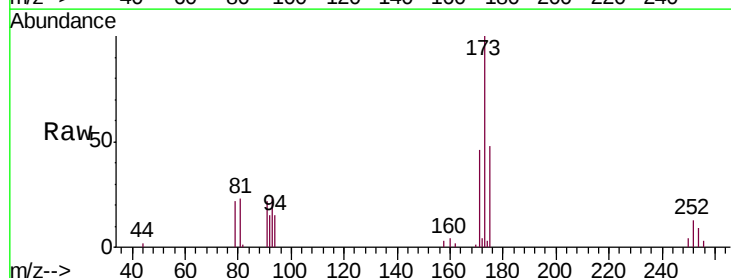
Tgt Ion: 173 Resp: 15745

Ion Ratio Lower Upper

173 100

175 48.8 39.4 59.2

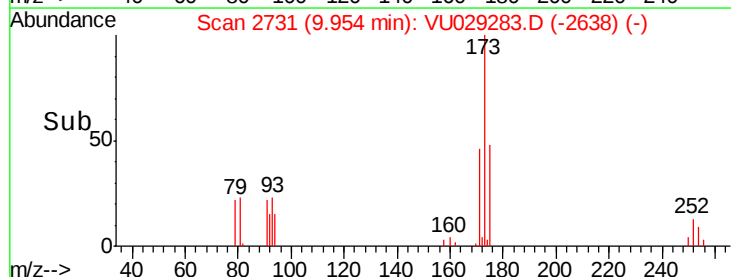
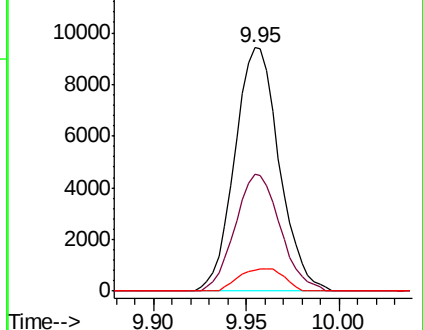
254 9.3 7.9 11.9

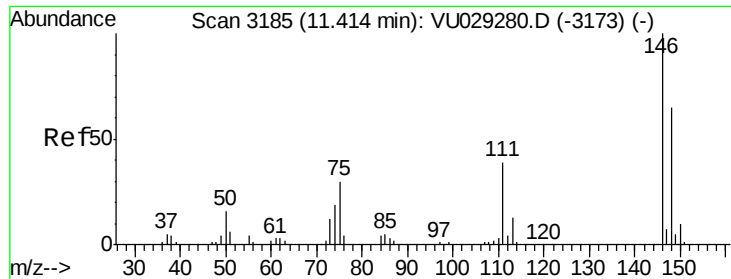


Abundance Ion 172.90 (172.60 to 173.60): VU029280.D (-2720) (-)

Ion 174.90 (174.60 to 175.60): VU029280.D (-2720) (-)

Ion 253.75 (253.45 to 254.45): VU029280.D (-2720) (-)





#62

1,3-Dichlorobenzene

Concen: 4.865 ug/L

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU029283.D

Acq: 25 Jan 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

VICV47

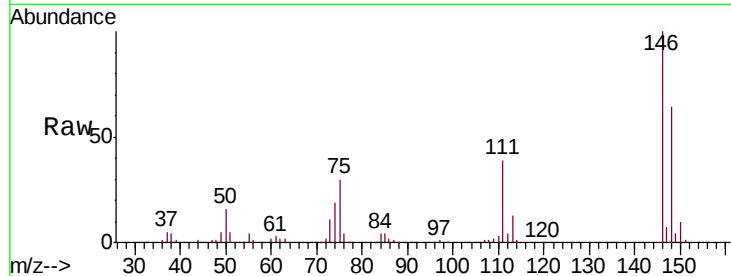
Tgt Ion:146 Resp: 60901

Ion Ratio Lower Upper

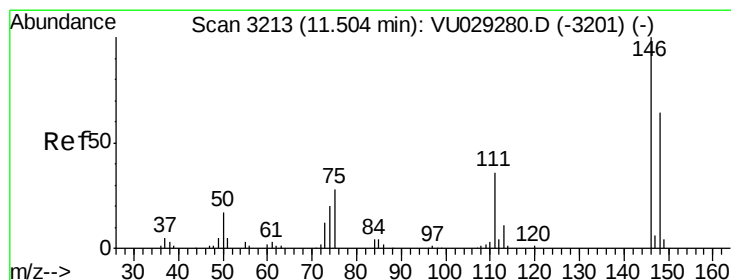
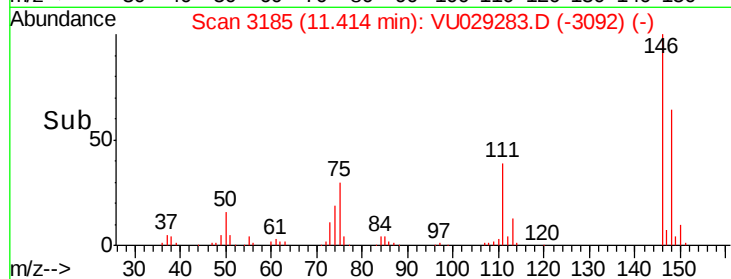
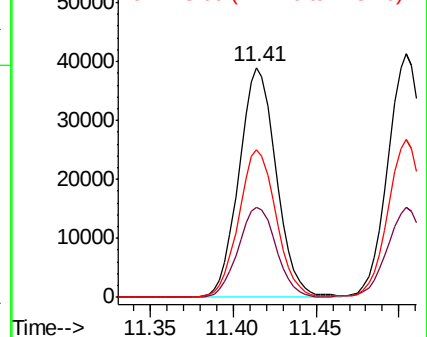
146 100

111 39.3 27.2 50.6

148 64.4 45.8 85.0



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: 4.813 ug/L

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU029283.D

Acq: 25 Jan 2019 12:11

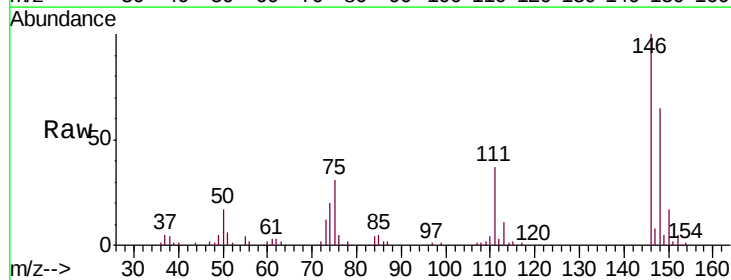
Tgt Ion:146 Resp: 64241

Ion Ratio Lower Upper

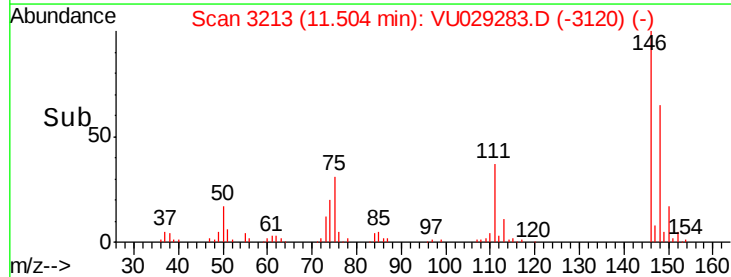
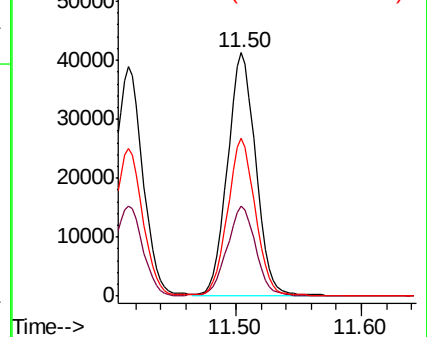
146 100

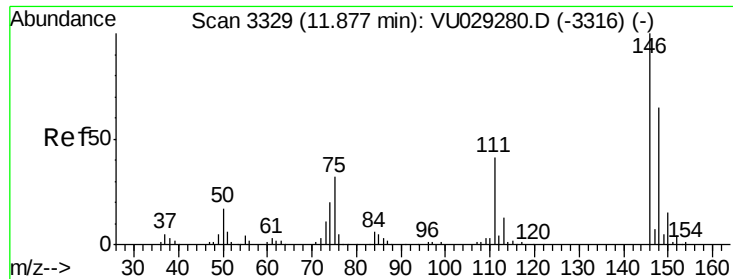
111 36.7 25.5 47.3

148 65.0 44.9 83.5



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: 4.931 ug/L

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU029283.D

Acq: 25 Jan 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

VICV47

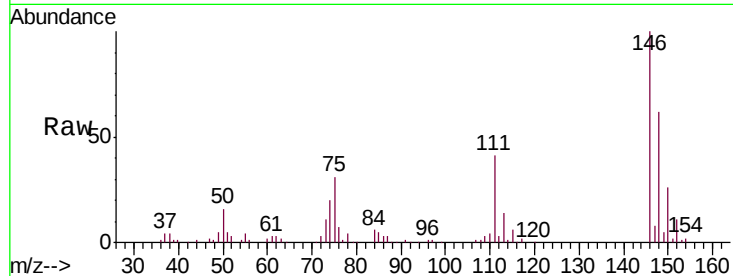
Tgt Ion:146 Resp: 60575

Ion Ratio Lower Upper

146 100

111 41.0 32.6 49.0

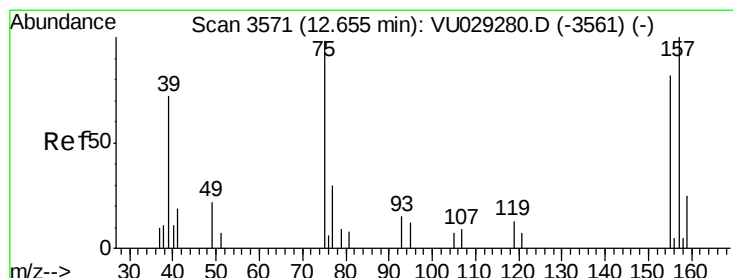
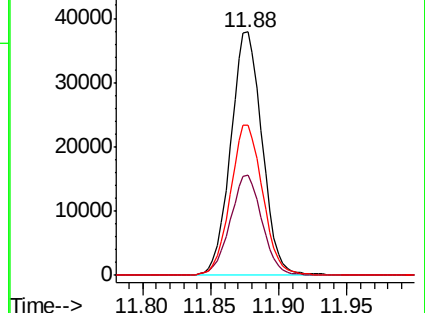
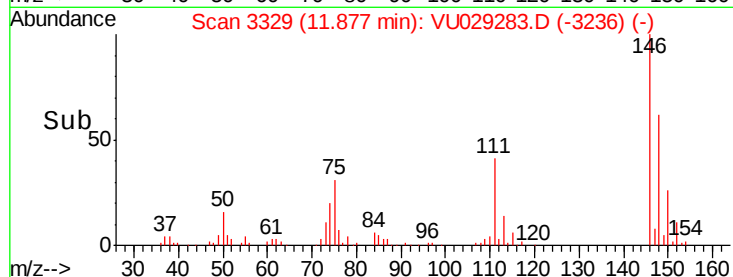
148 61.8 52.2 78.4



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: 5.239 ug/L

RT: 12.65 min Scan# 3570

Delta R.T. -0.00 min

Lab File: VU029283.D

Acq: 25 Jan 2019 12:11

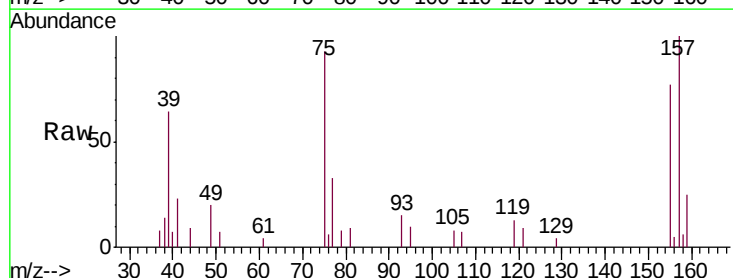
Tgt Ion: 75 Resp: 4579

Ion Ratio Lower Upper

75 100

155 83.1 66.6 100.0

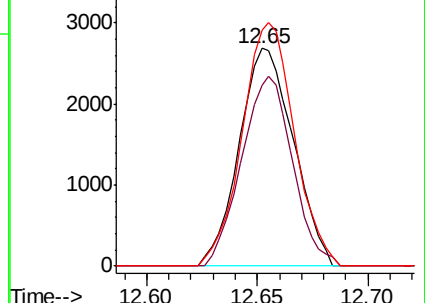
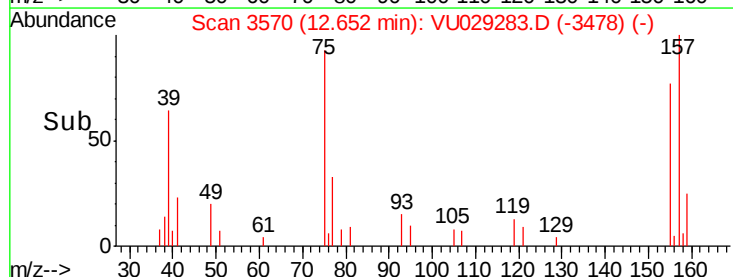
157 108.0 81.3 121.9

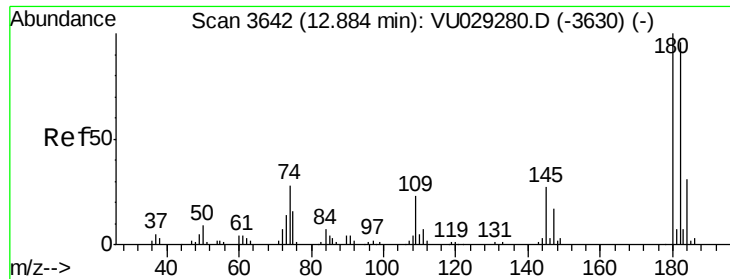


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

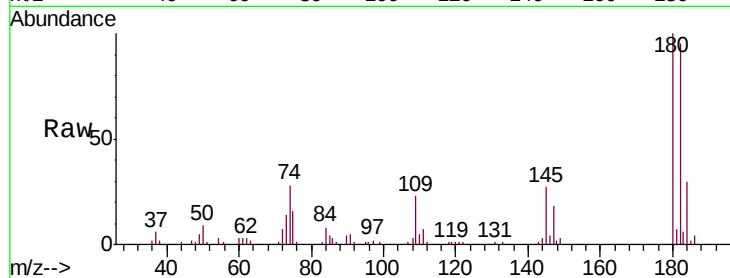




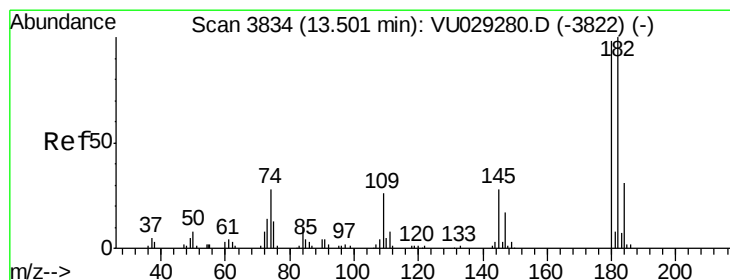
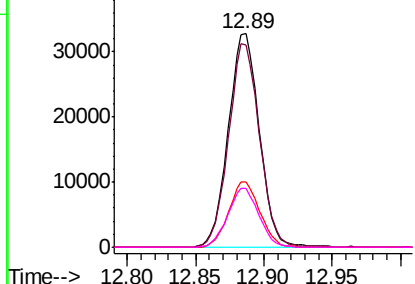
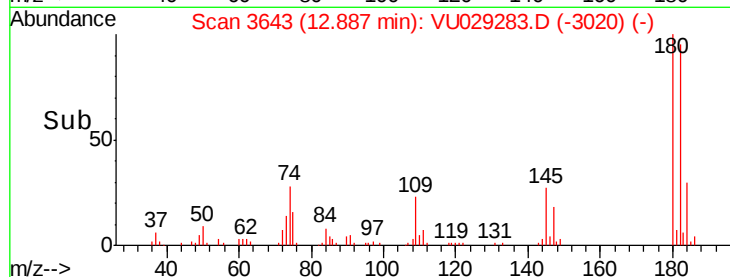
#67
 1,3,5-Trichlorobenzene
 Concen: 4.922 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU029283.D
 Acq: 25 Jan 2019 12:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV47

Tgt Ion:180 Resp: 51920
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.1 114.1
 184 30.5 24.4 36.6
 145 27.5 22.4 33.6

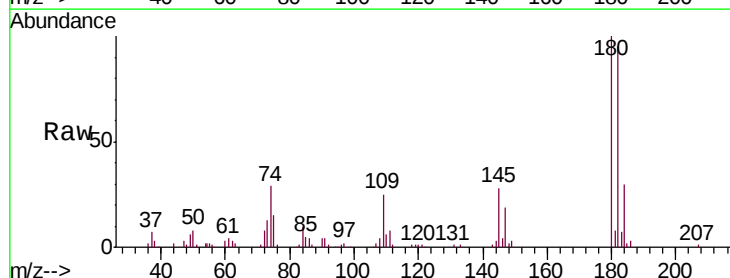


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

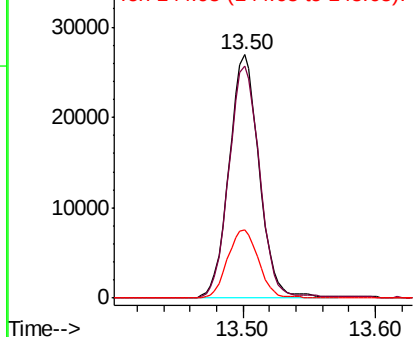
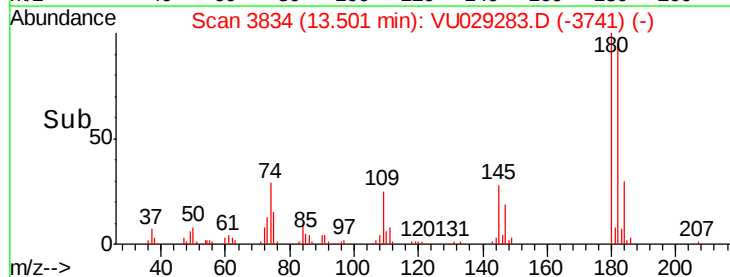


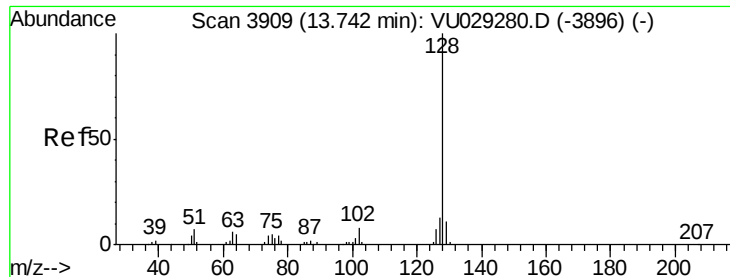
#68
 1,2,4-trichlorobenzene
 Concen: 4.829 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU029283.D
 Acq: 25 Jan 2019 12:11

Tgt Ion:180 Resp: 42649
 Ion Ratio Lower Upper
 180 100
 182 96.9 79.8 119.6
 145 28.7 22.6 34.0



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: 5.238 ug/L

RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU029283.D

Acq: 25 Jan 2019 12:11

Instrument :

MSVOA_U

ClientSampled :

VICV47

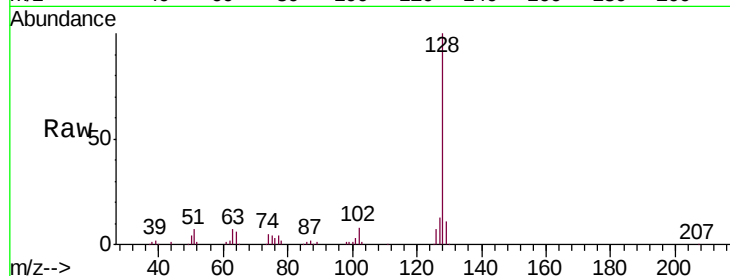
Tgt Ion:128 Resp: 73265

Ion Ratio Lower Upper

128 100

129 10.8 8.5 12.7

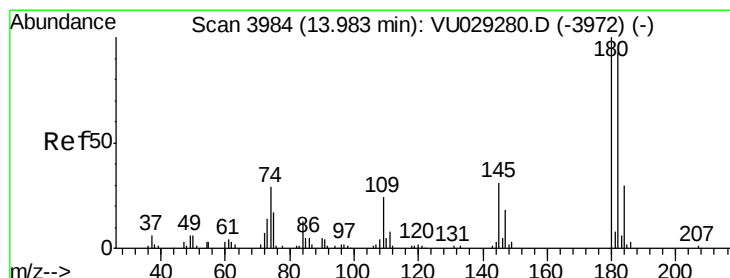
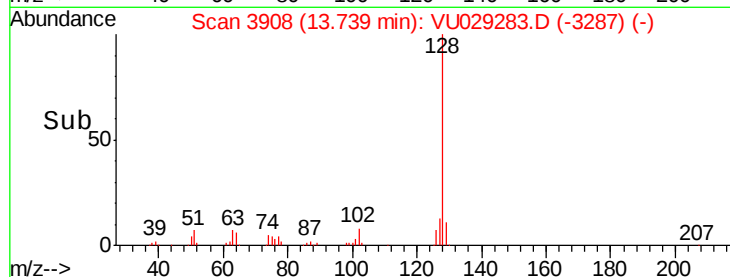
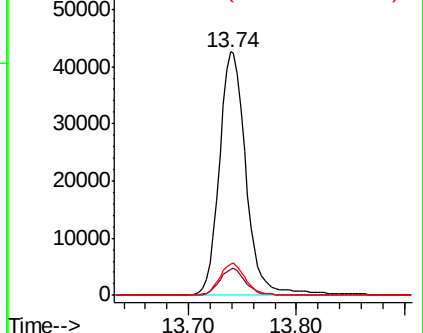
127 12.8 10.4 15.6



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: 5.203 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU029283.D

Acq: 25 Jan 2019 12:11

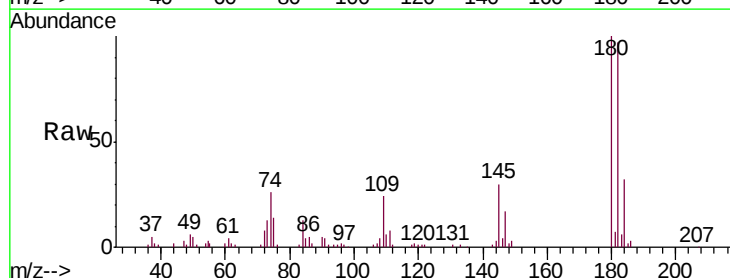
Tgt Ion:180 Resp: 42792

Ion Ratio Lower Upper

180 100

182 97.3 76.4 114.6

145 30.4 24.5 36.7



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

