

Data File : VU029078.D
Acq On : 07 Jan 2019 23:54
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

Quant Time: Jan 08 03:19:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 03:12:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	199754	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	189170	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	87012	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	84362	52.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.36%
7) Chloroethane-d5	1.67	69	64267	51.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.92%
11) 1,1-Dichloroethene-d2	2.27	63	127009	47.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.32%
21) 2-Butanone-d5	4.17	46	127763	113.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.87%
24) Chloroform-d	4.65	84	135772	53.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.84%
26) 1,2-Dichloroethane-d4	5.31	65	83511	53.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.60%
32) Benzene-d6	5.34	84	292637	54.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.52%
36) 1,2-Dichloropropane-d6	6.33	67	98931	54.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.98%
41) Toluene-d8	7.56	98	263125	54.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.66%
43) trans-1,3-Dichloropropene-	7.85	79	41760	51.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.66%
47) 2-Hexanone-d5	8.31	63	88910	103.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.11%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	138113	54.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	93735	53.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.52%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	72516	44.520 ug/L	98
3) Chloromethane	1.33	50	93074	42.023 ug/L	98
5) Vinyl chloride	1.40	62	90739	46.375 ug/L	97
6) Bromomethane	1.61	94	39245	47.087 ug/L	100
8) Chloroethane	1.69	64	52885	47.352 ug/L	98
9) Trichlorofluoromethane	1.88	101	93770	46.865 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	52859	40.831 ug/L	98
12) 1,1-Dichloroethene	2.28	96	51662	40.337 ug/L	92
13) Acetone	2.32	43	72072	63.033 ug/L	95
14) Carbon disulfide	2.47	76	186251	41.643 ug/L	100
15) Methyl Acetate	2.61	43	89118	49.993 ug/L	100
16) Methylene chloride	2.70	84	75651	47.897 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	64000	46.123 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	209385	49.072 ug/L	100
19) 1,1-Dichloroethane	3.44	63	131413	48.719 ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	75423	47.983 ug/L	96
22) 2-Butanone	4.26	43	127171	91.334 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	36100	48.177	ug/L	95
25) Chloroform	4.67	83	125950	49.059	ug/L	95
27) 1,2-Dichloroethane	5.40	62	94782	49.676	ug/L	100
29) Cyclohexane	4.99	56	114601	45.517	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	97671	48.781	ug/L	98
31) Carbon tetrachloride	5.13	117	77708	48.128	ug/L	98
33) Benzene	5.39	78	295088	48.998	ug/L	100
34) Trichloroethene	6.18	95	69477	47.784	ug/L	96
35) Methylcyclohexane	6.41	83	110859	45.779	ug/L	99
37) 1,2-Dichloropropane	6.43	63	83207	49.425	ug/L	100
38) Bromodichloromethane	6.76	83	91414	49.034	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	113121	47.132	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	238072	105.211	ug/L	100
42) Toluene	7.63	91	302242	49.508	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	100489	46.970	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	73587	51.123	ug/L	99
46) Tetrachloroethene	8.22	164	52071	46.500	ug/L	98
48) 2-Hexanone	8.36	43	188669	101.587	ug/L	100
49) Dibromochloromethane	8.48	129	68427	47.726	ug/L	100
50) 1,2-Dibromoethane	8.58	107	75715	50.557	ug/L	100
51) Chlorobenzene	9.12	112	188392	48.964	ug/L	99
52) Ethylbenzene	9.25	91	317622	48.419	ug/L	97
53) m,p-Xylene	9.37	106	120215	49.558	ug/L	100
54) o-xylene	9.78	106	121959	50.164	ug/L	97
55) Styrene	9.79	104	206351	50.115	ug/L	99
56) Isopropylbenzene	10.16	105	301443	48.876	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	133733	51.142	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	101702	50.623	ug/L	99
61) Bromoform	9.95	173	52644	48.806	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	135308	48.953	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	136613	47.972	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	144994	50.286	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	25439	51.148	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	95324	46.774	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	82369	48.265	ug/L	98
69) Naphthalene	13.74	128	298859	50.440	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	88464	48.072	ug/L	97

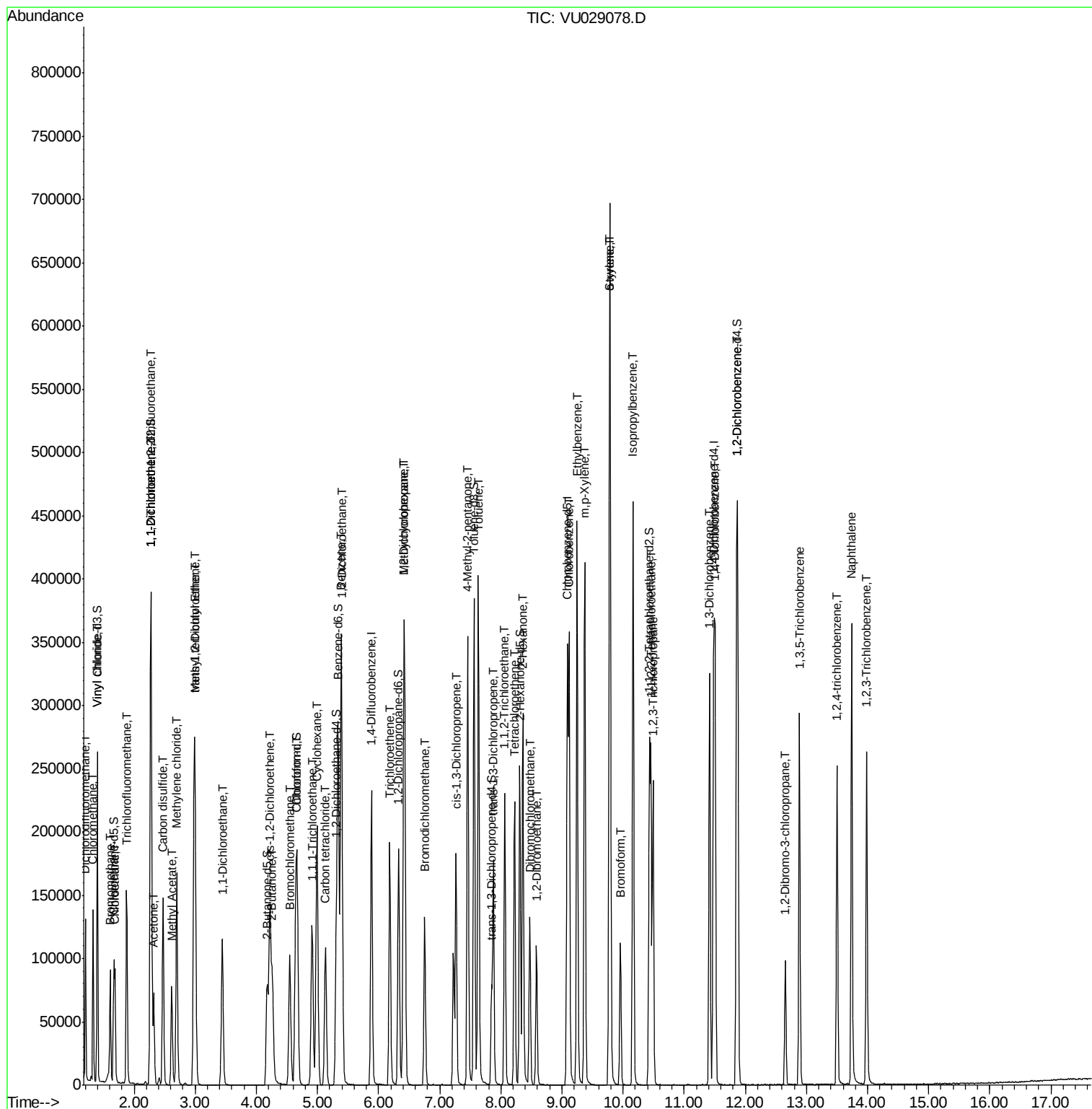
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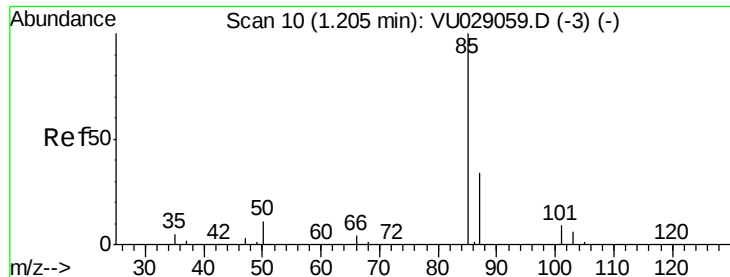
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#2

Dichlorodifluoromethane

Concen: 44.520 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029078.D

Acq: 07 Jan 2019 23:54

Instrument :

MSVOA_U

ClientSampleId :

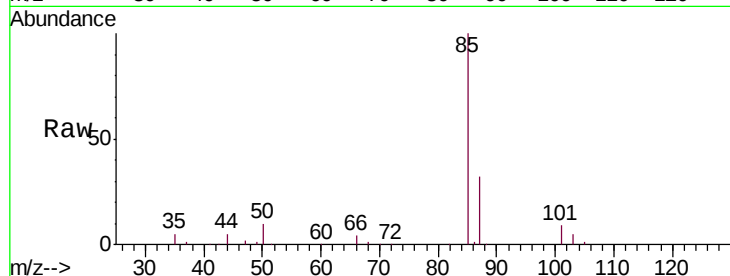
VSTD05052

Tgt Ion: 85 Resp: 72516

Ion Ratio Lower Upper

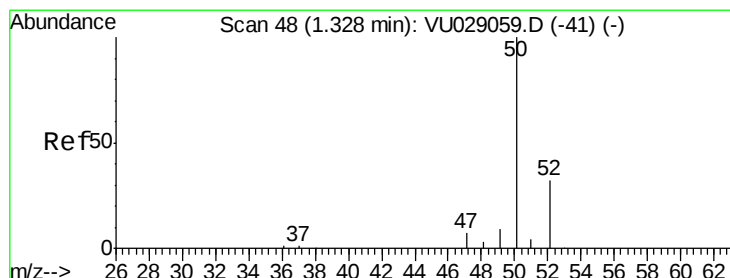
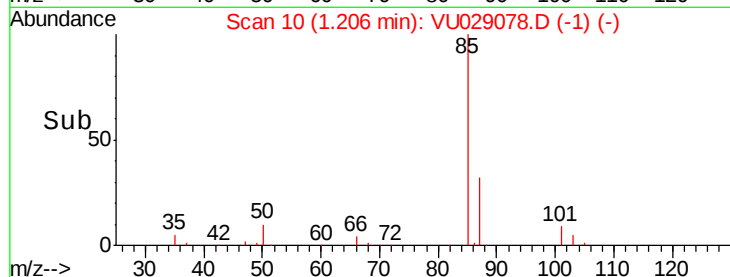
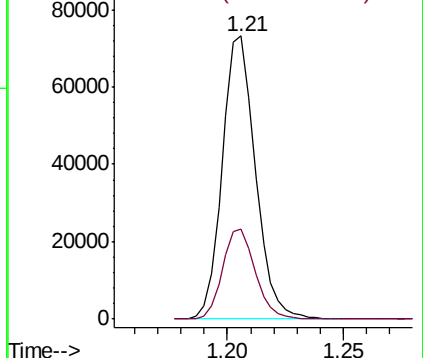
85 100

87 31.5 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 42.023 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029078.D

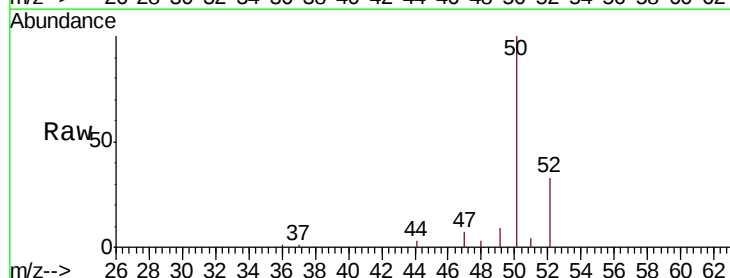
Acq: 07 Jan 2019 23:54

Tgt Ion: 50 Resp: 93074

Ion Ratio Lower Upper

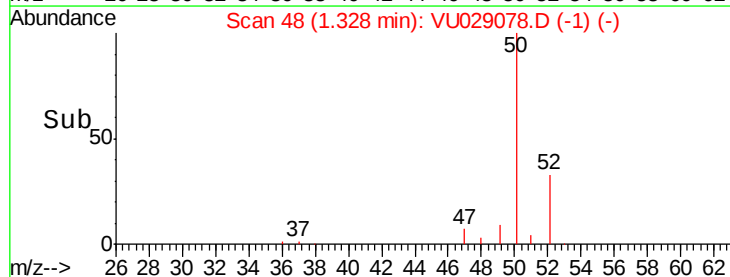
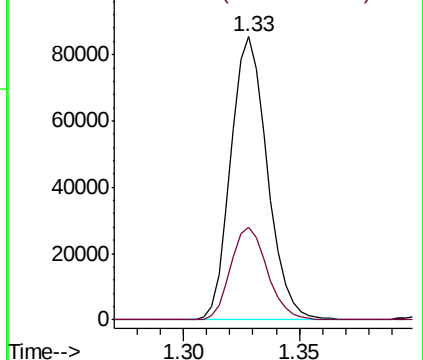
50 100

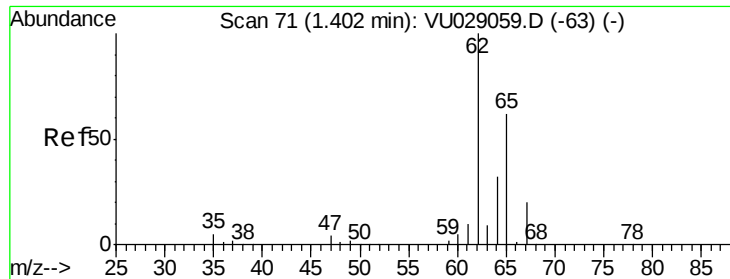
52 33.0 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 46.375 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029078.D

Acq: 07 Jan 2019 23:54

Instrument :

MSVOA_U

ClientSampleId :

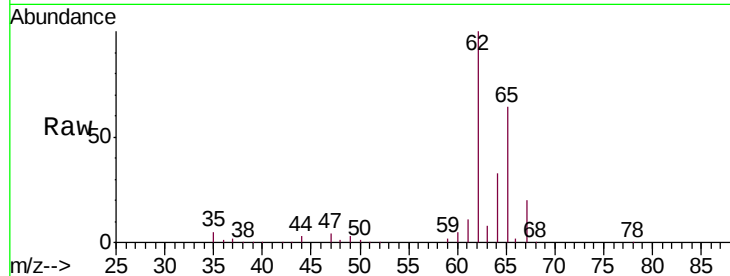
VSTD05052

Tgt Ion: 62 Resp: 90739

Ion Ratio Lower Upper

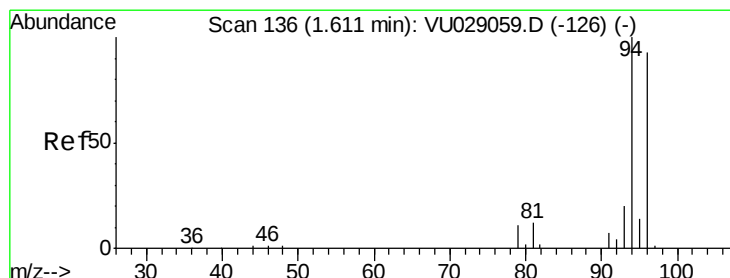
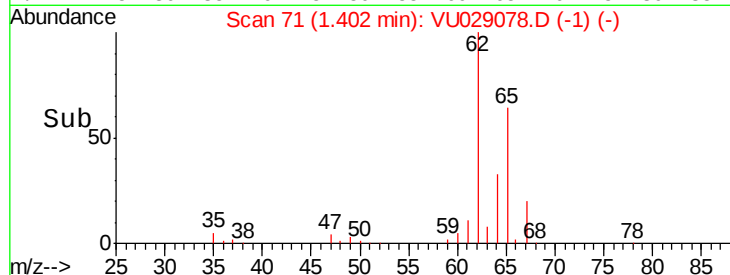
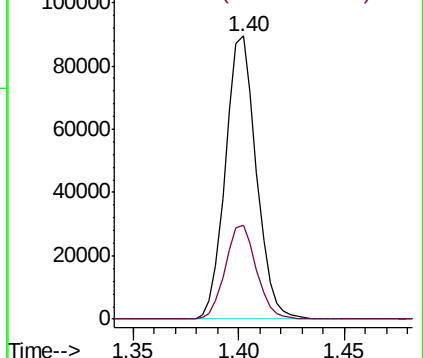
62 100

64 33.4 22.3 41.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 47.087 ug/L

RT: 1.61 min Scan# 135

Delta R.T. -0.00 min

Lab File: VU029078.D

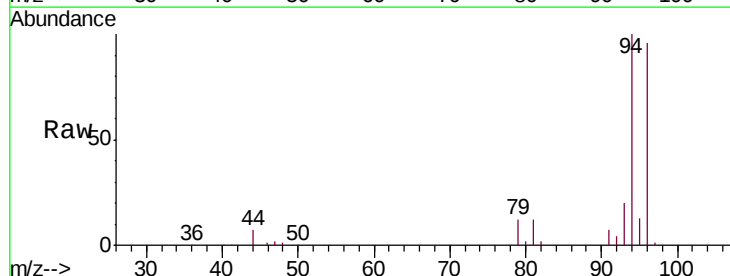
Acq: 07 Jan 2019 23:54

Tgt Ion: 94 Resp: 39245

Ion Ratio Lower Upper

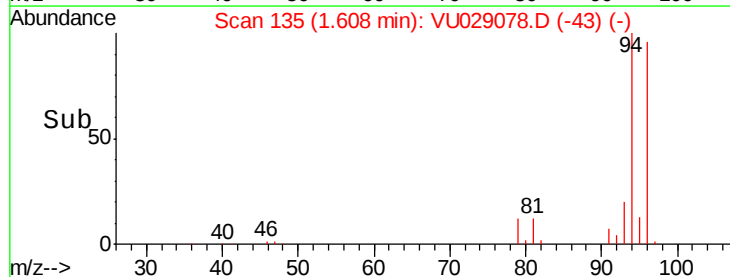
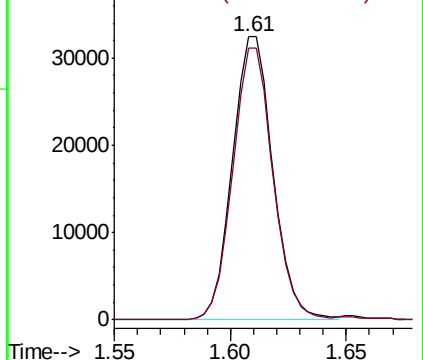
94 100

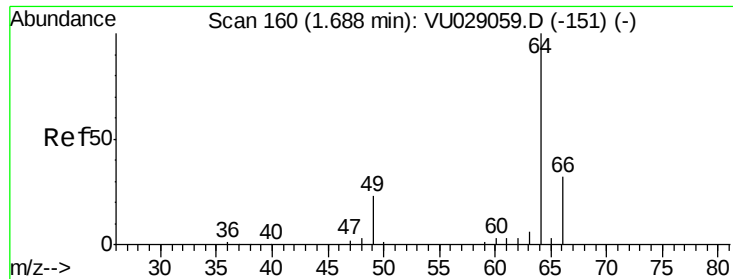
96 96.0 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 47.352 ug/L

RT: 1.69 min Scan# 160

Delta R.T. 0.00 min

Lab File: VU029078.D

Acq: 07 Jan 2019 23:54

Instrument :

MSVOA_U

ClientSampleId :

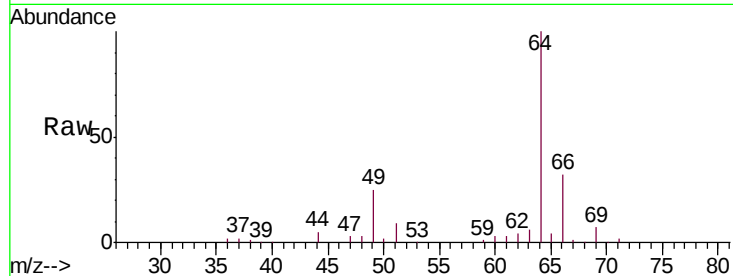
VSTD05052

Tgt Ion: 64 Resp: 52885

Ion Ratio Lower Upper

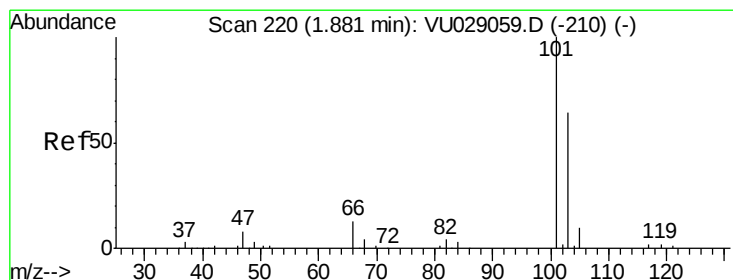
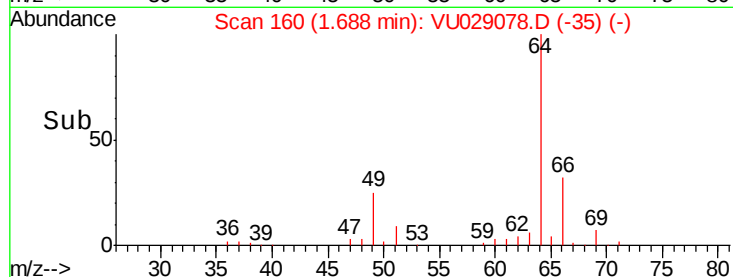
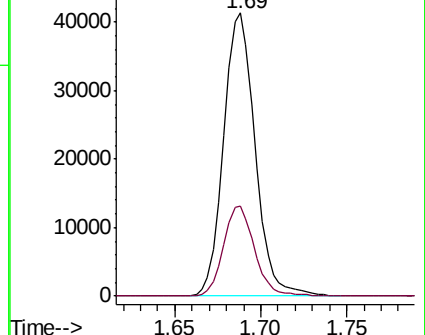
64 100

66 31.8 21.5 39.9



Abundance Ion 64.00 (63.70 to 64.70): VU029078.D (-151) (-)

Ion 66.00 (65.70 to 66.70): VU029078.D (-151) (-)



#9

Trichlorofluoromethane

Concen: 46.865 ug/L

RT: 1.88 min Scan# 219

Delta R.T. -0.00 min

Lab File: VU029078.D

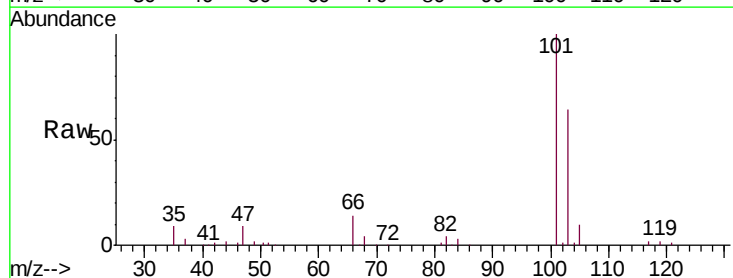
Acq: 07 Jan 2019 23:54

Tgt Ion: 101 Resp: 93770

Ion Ratio Lower Upper

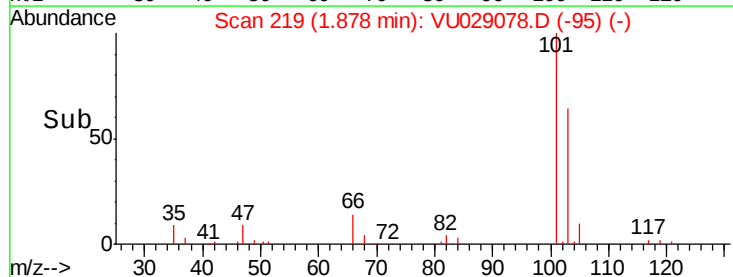
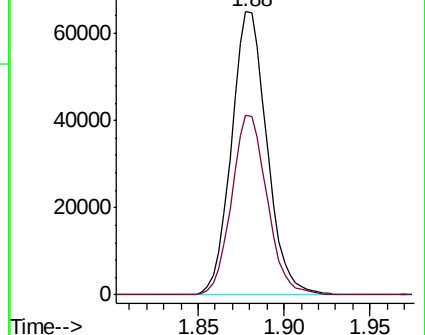
101 100

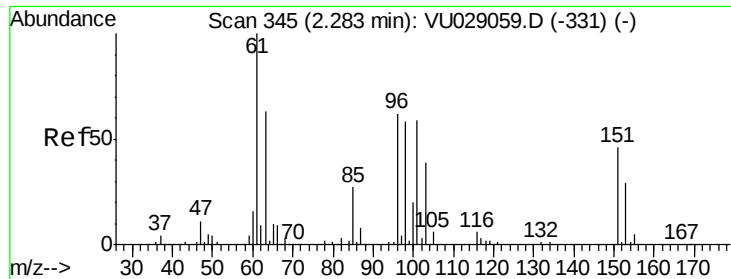
103 63.5 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU029078.D (-210) (-)

Ion 103.00 (102.70 to 103.70): VU029078.D (-210) (-)





#10

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

Concen: 40.831 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.00 min

Lab File: VU029078.D

Acq: 07 Jan 2019 23:54

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ClientSampleId :

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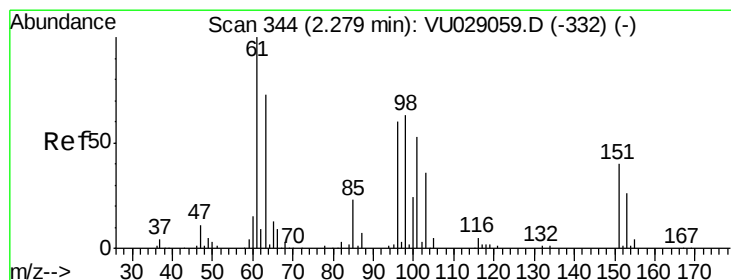
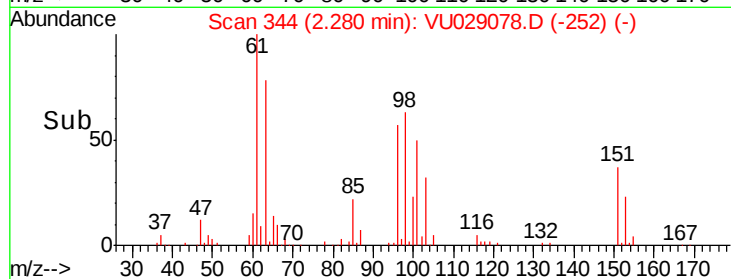
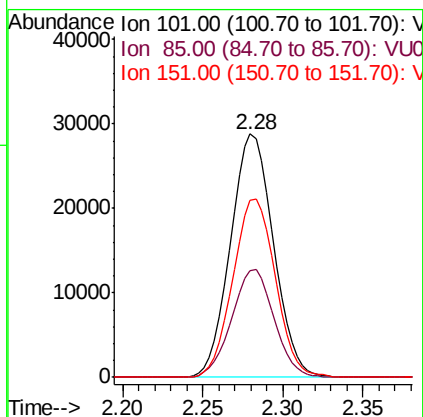
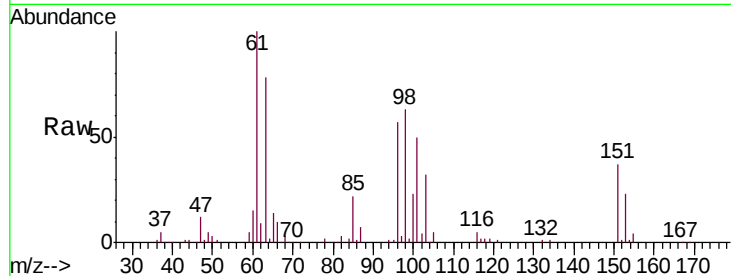
Tgt Ion:101 Resp: 52859

Ion Ratio Lower Upper

101 100

85 43.7 33.8 50.6

151 72.5 59.4 89.0



#12

1,1-Dichloroethene

Concen: 40.337 ug/L

RT: 2.28 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU029078.D

Acq: 07 Jan 2019 23:54

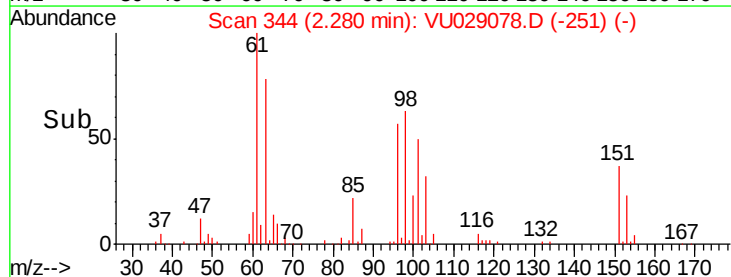
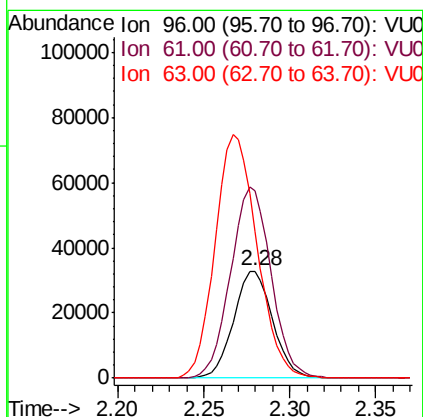
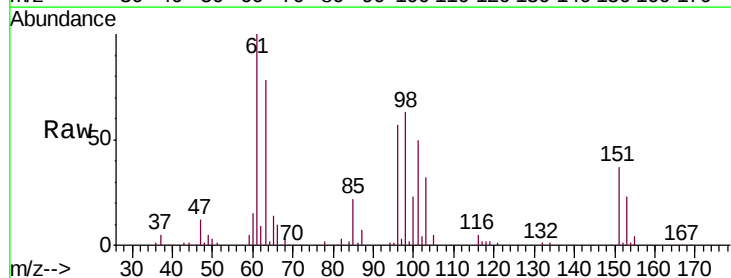
Tgt Ion: 96 Resp: 51662

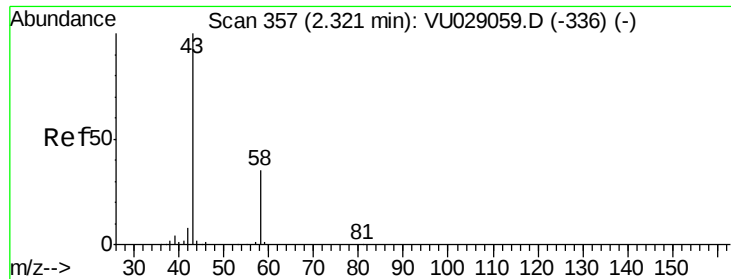
Ion Ratio Lower Upper

96 100

61 174.4 119.3 221.5

63 136.9 107.4 199.6





#13

Acetone

Concen: 63.033 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029078.D

Acq: 07 Jan 2019 23:54

Instrument :

MSVOA_U

ClientSampleId :

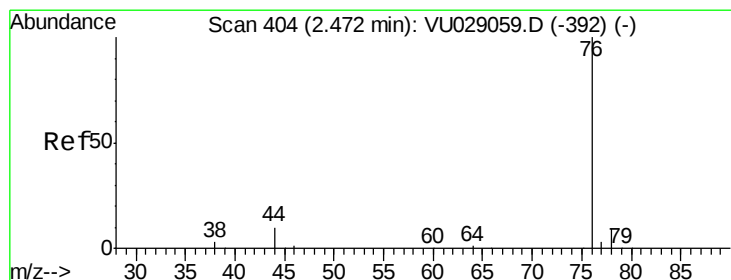
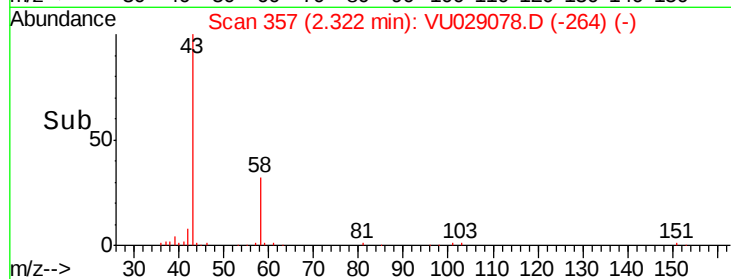
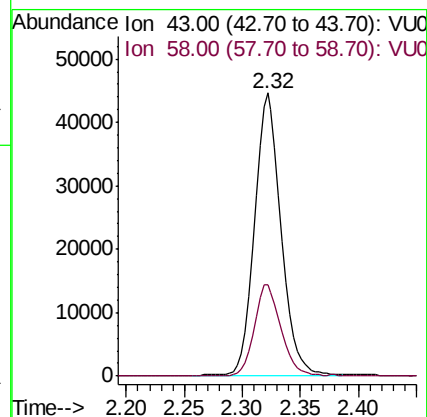
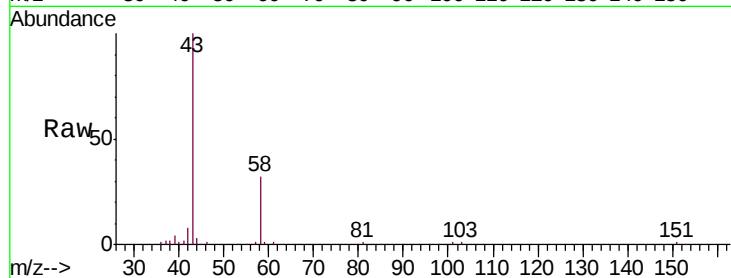
VSTD05052

Tgt Ion: 43 Resp: 72072

Ion Ratio Lower Upper

43 100

58 32.1 0.0 70.2



#14

Carbon disulfide

Concen: 41.643 ug/L

RT: 2.47 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU029078.D

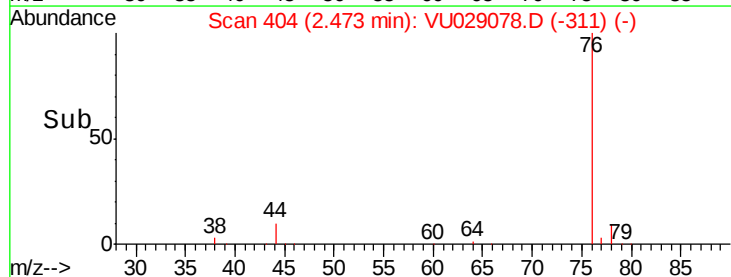
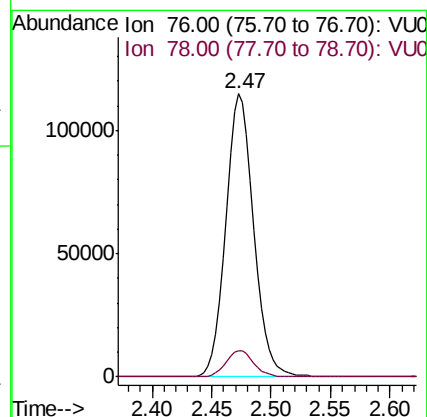
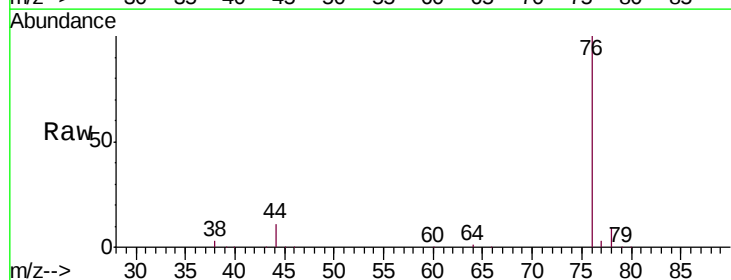
Acq: 07 Jan 2019 23:54

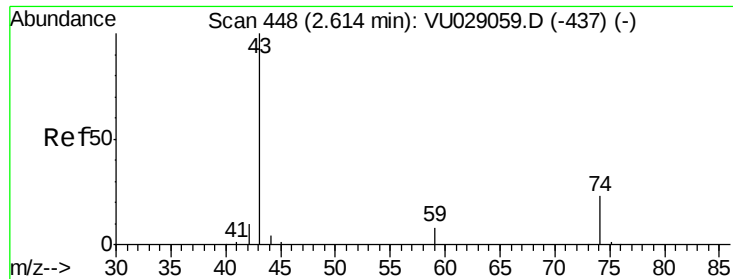
Tgt Ion: 76 Resp: 186251

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

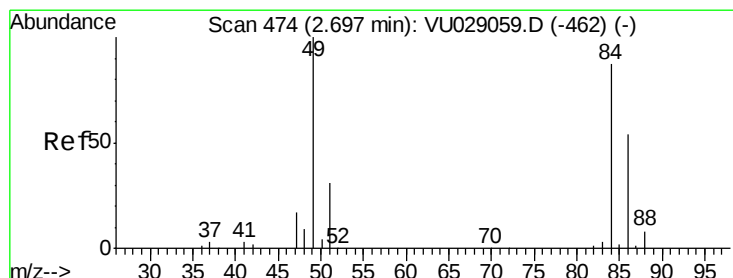
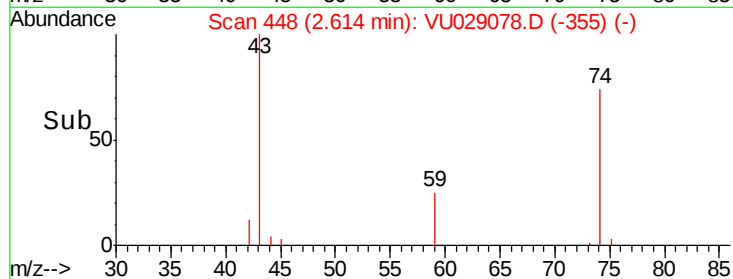
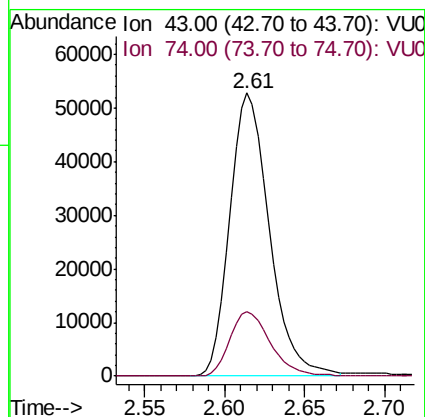
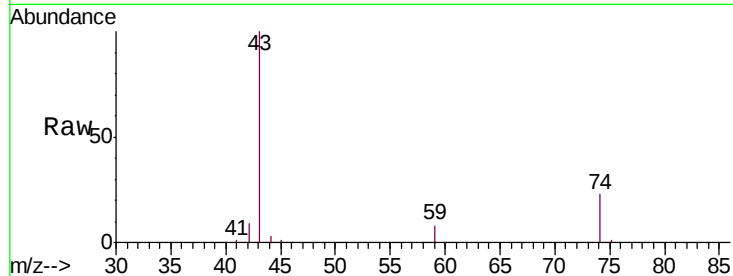




#15
Methyl Acetate
Concen: 49.993 ug/L
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU029078.D
Acq: 07 Jan 2019 23:54

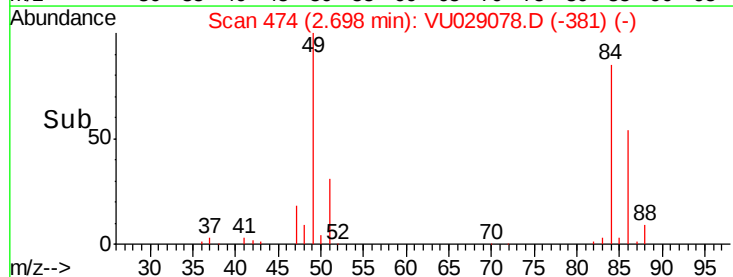
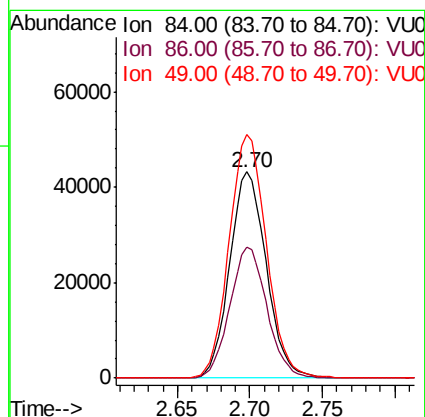
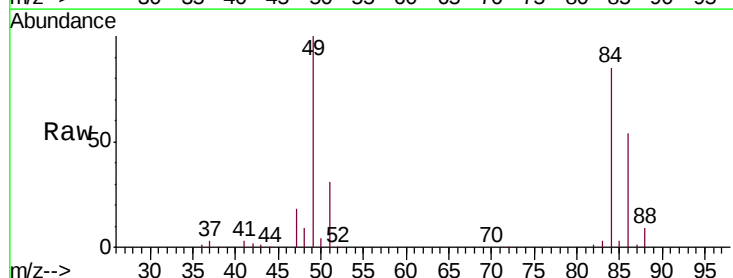
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

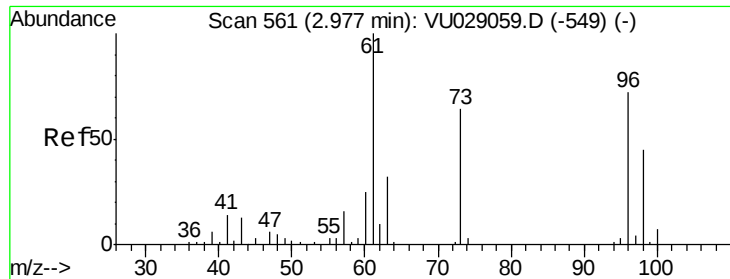
Tgt Ion: 43 Resp: 89118
Ion Ratio Lower Upper
43 100
74 23.6 19.0 28.4



#16
Methylene chloride
Concen: 47.897 ug/L
RT: 2.70 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU029078.D
Acq: 07 Jan 2019 23:54

Tgt Ion: 84 Resp: 75651
Ion Ratio Lower Upper
84 100
86 63.7 44.9 83.3
49 118.2 83.9 155.7

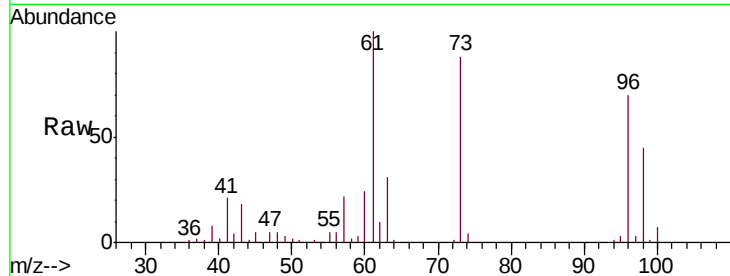




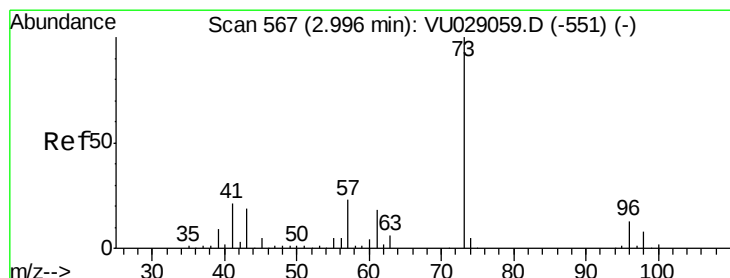
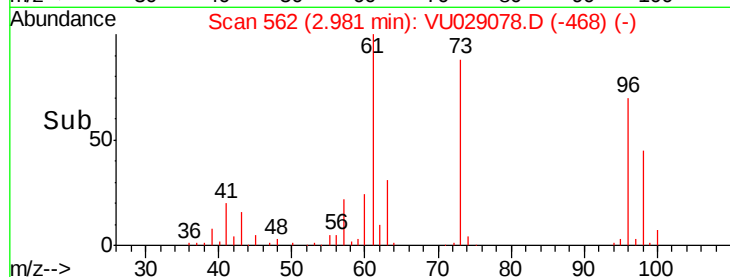
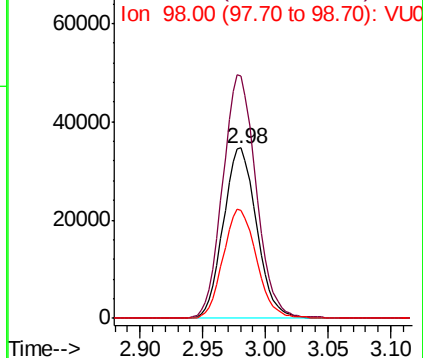
#17
 trans-1,2-Dichloroethene
 Concen: 46.123 ug/L
 RT: 2.98 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VU029078.D
 Acq: 07 Jan 2019 23:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Tgt Ion: 96 Resp: 64000
 Ion Ratio Lower Upper
 96 100
 61 142.2 97.9 181.7
 98 63.6 44.1 81.9

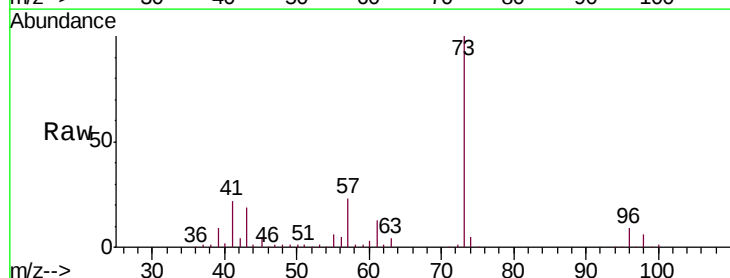


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

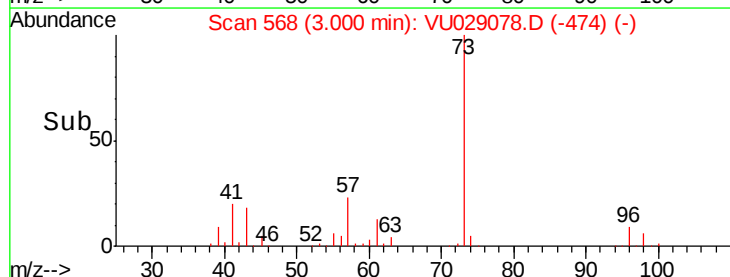
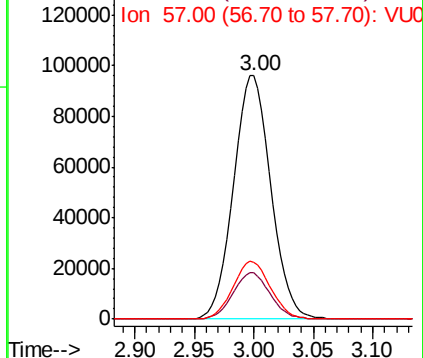


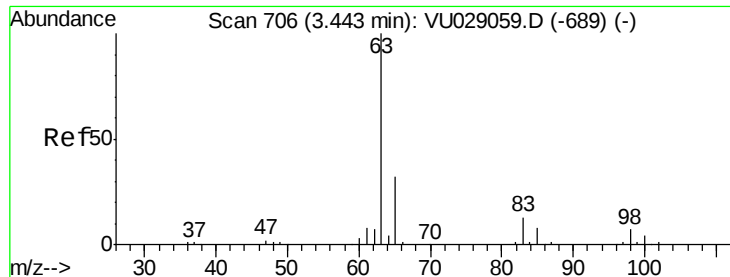
#18
 Methyl tert-butyl Ether
 Concen: 49.072 ug/L
 RT: 3.00 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VU029078.D
 Acq: 07 Jan 2019 23:54

Tgt Ion: 73 Resp: 209385
 Ion Ratio Lower Upper
 73 100
 43 18.9 15.3 22.9
 57 23.7 19.0 28.4



Abundance Ion 73.00 (72.70 to 73.70): VU0
 Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0

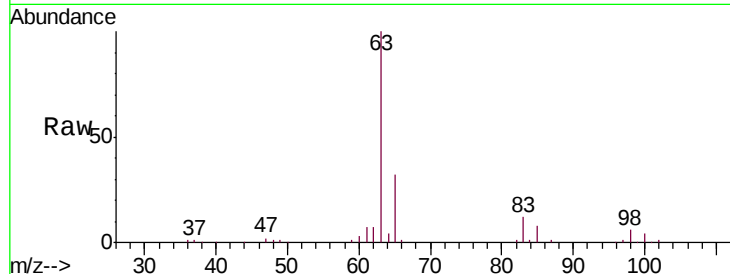




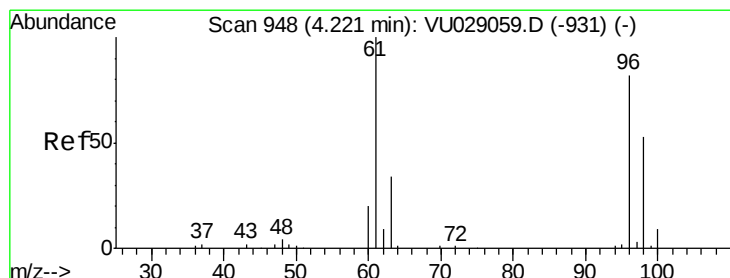
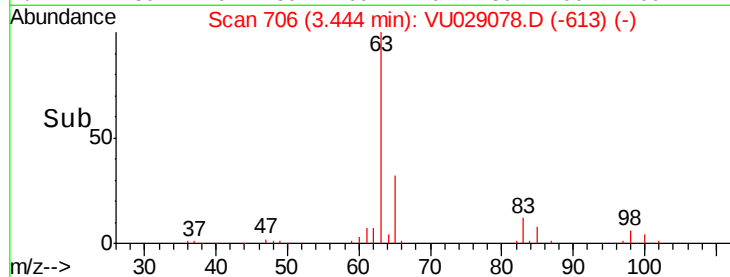
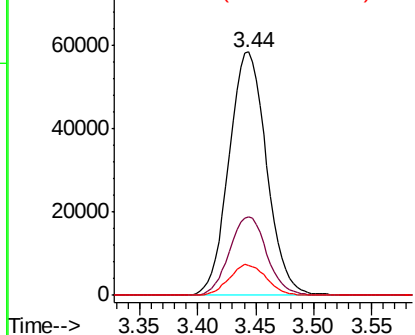
#19
 1,1-Dichloroethane
 Concen: 48.719 ug/L
 RT: 3.44 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VU029078.D
 Acq: 07 Jan 2019 23:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Tgt Ion: 63 Resp: 131413
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.7 42.1
 83 12.5 9.0 16.8

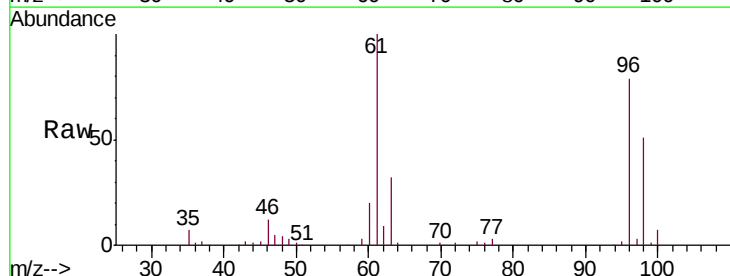


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

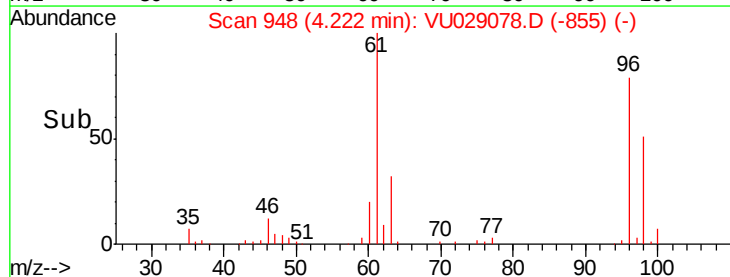
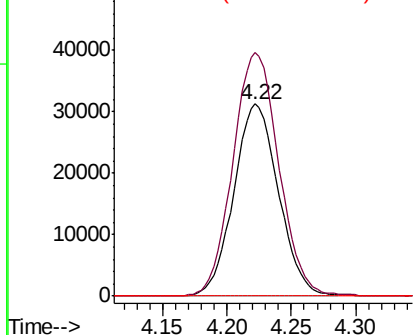


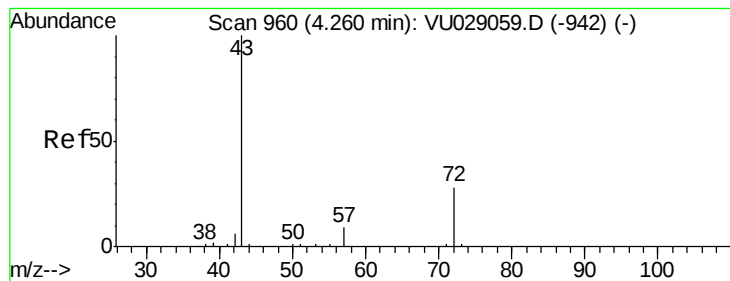
#20
 cis-1,2-Dichloroethene
 Concen: 47.983 ug/L
 RT: 4.22 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: VU029078.D
 Acq: 07 Jan 2019 23:54

Tgt Ion: 96 Resp: 75423
 Ion Ratio Lower Upper
 96 100
 61 126.8 92.1 171.1
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 91.334 ug/L

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029078.D

Acq: 07 Jan 2019 23:54

Instrument :

MSVOA_U

ClientSampled :

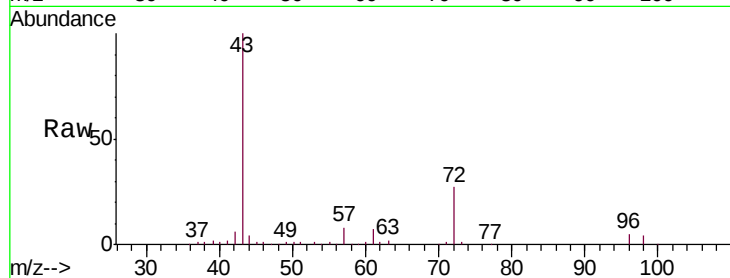
VSTD05052

Tgt Ion: 43 Resp: 127171

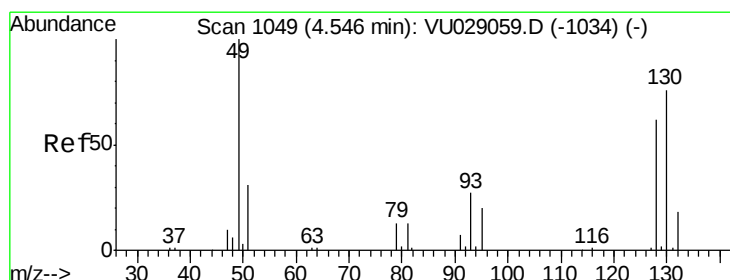
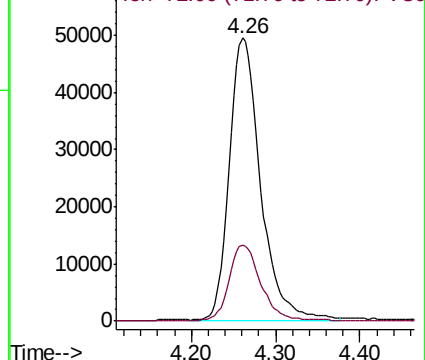
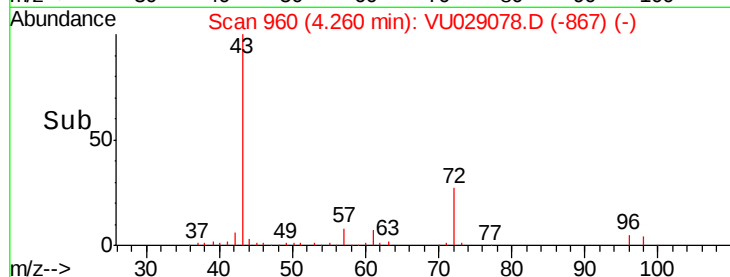
Ion Ratio Lower Upper

43 100

72 27.4 13.7 41.1



Abundance Ion 43.00 (42.70 to 43.70): VU029078.D (-867) (-)



#23

Bromochloromethane

Concen: 48.177 ug/L

RT: 4.55 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU029078.D

Acq: 07 Jan 2019 23:54

Tgt Ion: 128 Resp: 36100

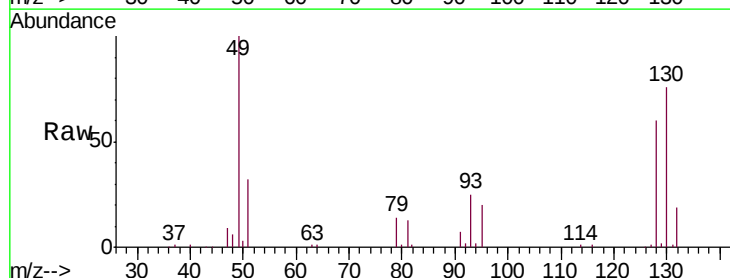
Ion Ratio Lower Upper

128 100

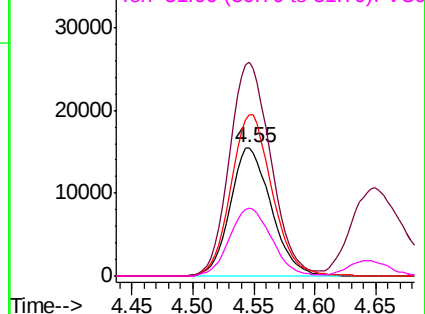
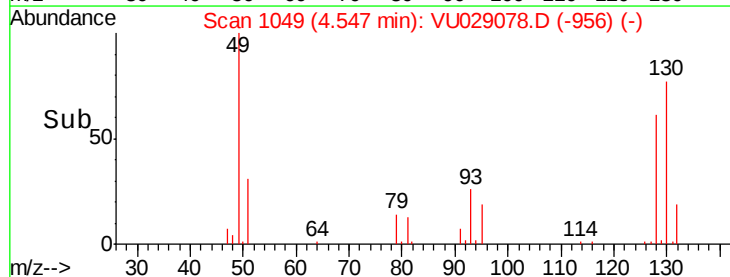
49 166.5 123.0 228.4

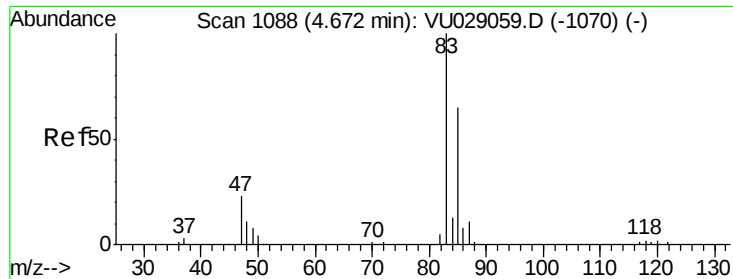
130 126.2 86.5 160.7

51 52.6 44.1 66.1



Abundance Ion 128.00 (127.70 to 128.70): VU029078.D (-956) (-)

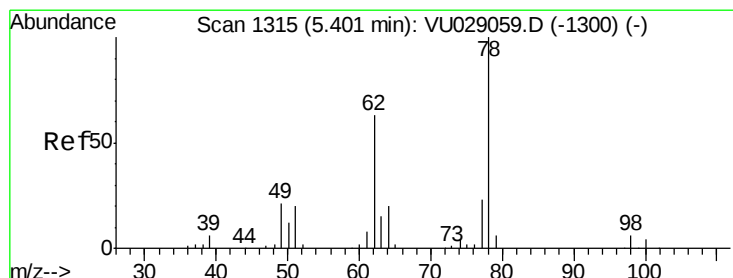
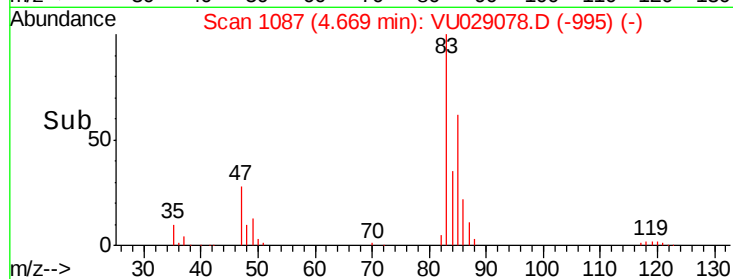
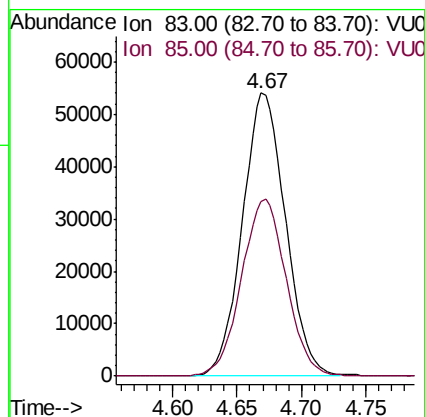
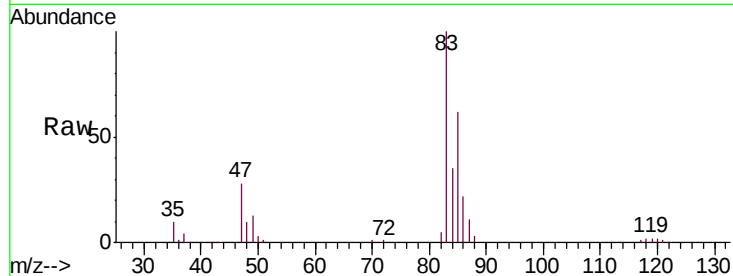




#25
Chloroform
Concen: 49.059 ug/L
RT: 4.67 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VU029078.D
Acq: 07 Jan 2019 23:54

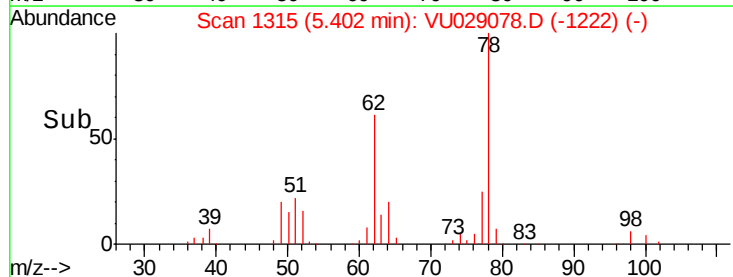
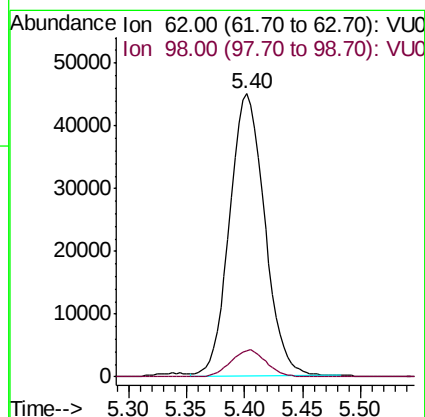
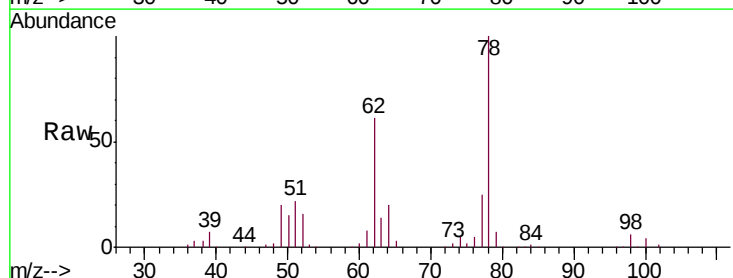
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

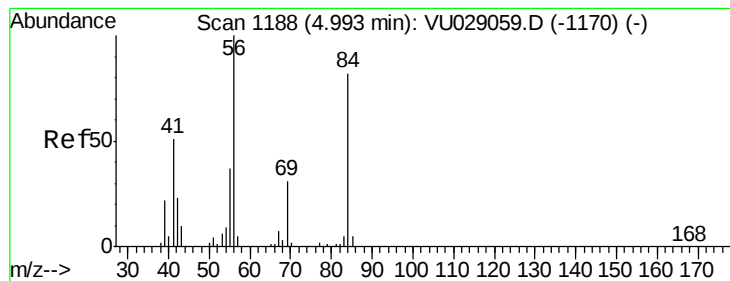
Tgt Ion: 83 Resp: 125950
Ion Ratio Lower Upper
83 100
85 61.5 45.6 84.6



#27
1,2-Dichloroethane
Concen: 49.676 ug/L
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU029078.D
Acq: 07 Jan 2019 23:54

Tgt Ion: 62 Resp: 94782
Ion Ratio Lower Upper
62 100
98 9.4 7.5 11.3





#29

Cyclohexane

Concen: 45.517 ug/L

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU029078.D

Acq: 07 Jan 2019 23:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

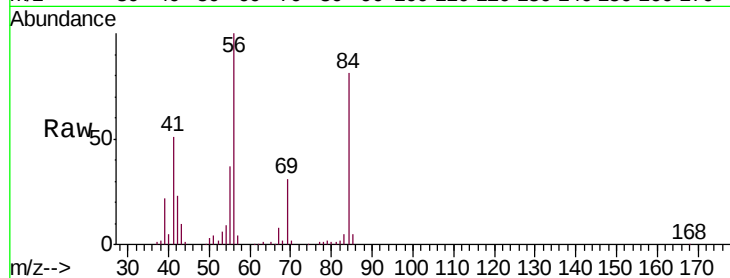
Tgt Ion: 56 Resp: 114601

Ion Ratio Lower Upper

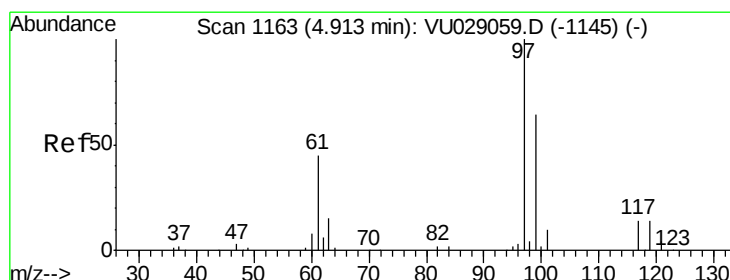
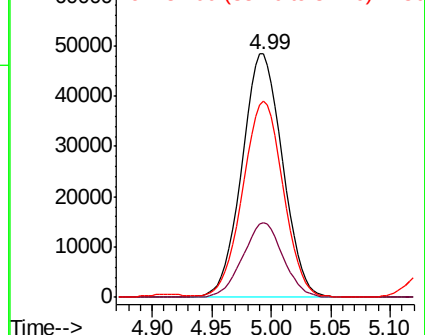
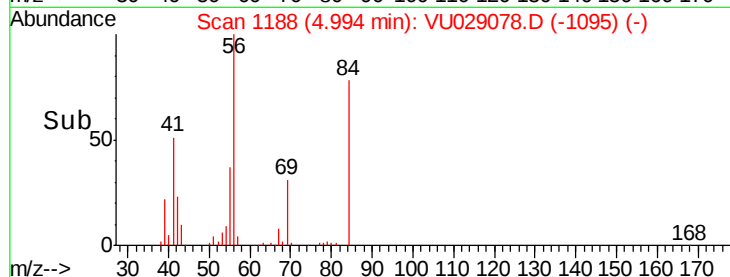
56 100

69 30.4 23.8 35.8

84 80.6 63.8 95.8



Abundance Ion 56.00 (55.70 to 56.70): VU029078.D (-1095) (-)



#30

1,1,1-Trichloroethane

Concen: 48.781 ug/L

RT: 4.91 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VU029078.D

Acq: 07 Jan 2019 23:54

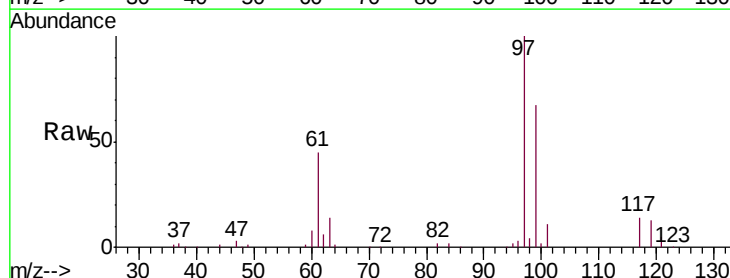
Tgt Ion: 97 Resp: 97671

Ion Ratio Lower Upper

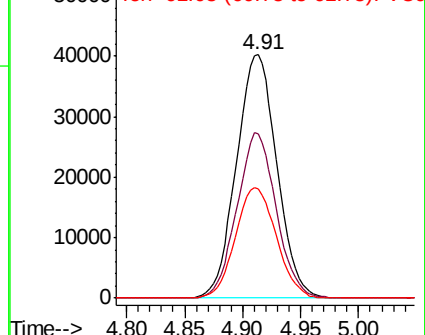
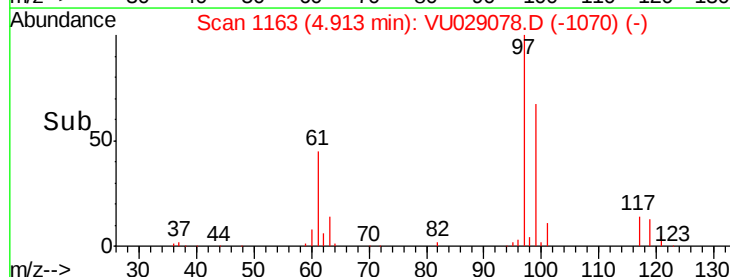
97 100

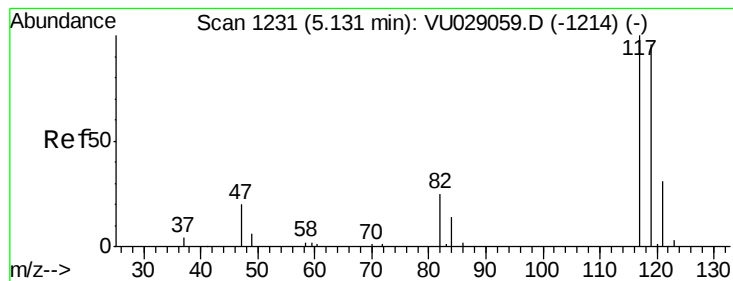
99 65.9 51.2 76.8

61 45.9 36.1 54.1



Abundance Ion 97.00 (96.70 to 97.70): VU029078.D (-1070) (-)





#31

Carbon tetrachloride

Concen: 48.128 ug/L

RT: 5.13 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VU029078.D

Acq: 07 Jan 2019 23:54

Instrument :

MSVOA_U

ClientSampleId :

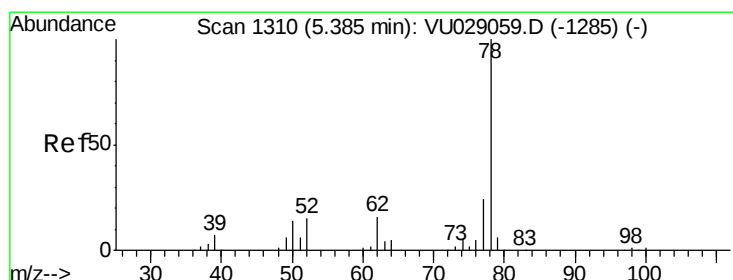
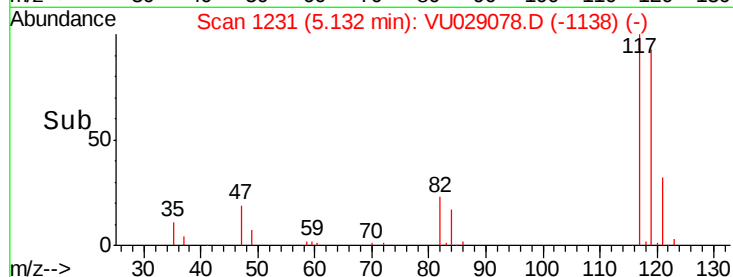
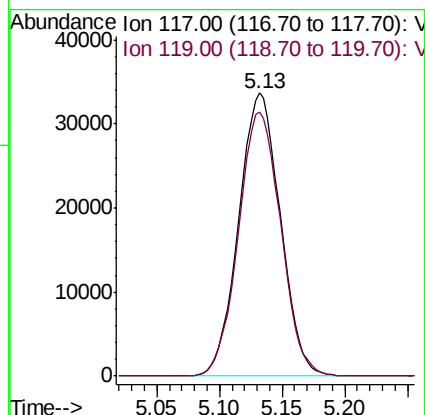
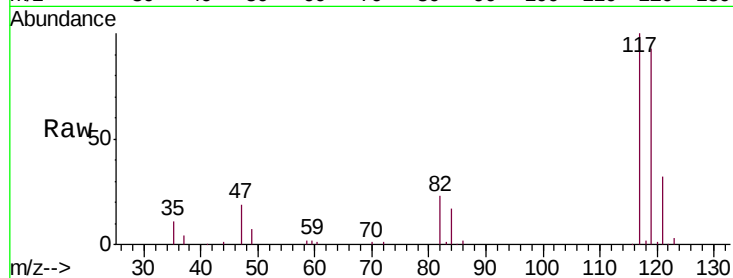
VSTD05052

Tgt Ion:117 Resp: 77708

Ion Ratio Lower Upper

117 100

119 94.8 77.0 115.6



#33

Benzene

Concen: 48.998 ug/L

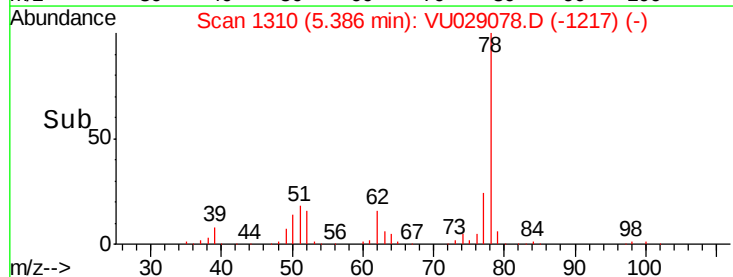
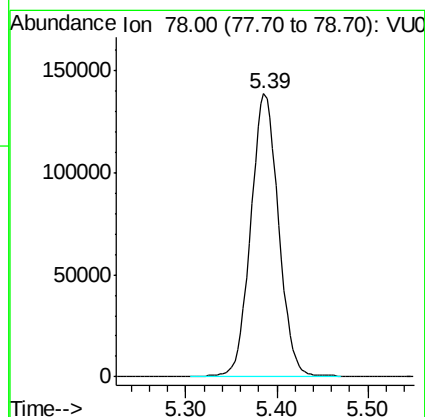
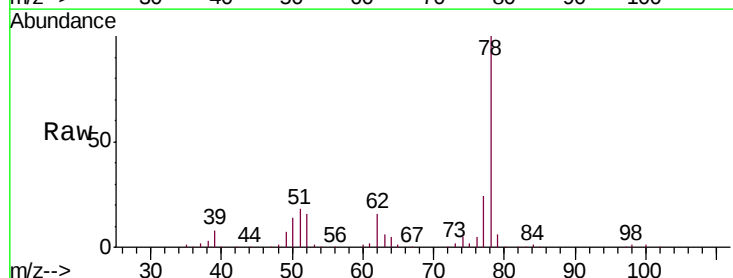
RT: 5.39 min Scan# 1310

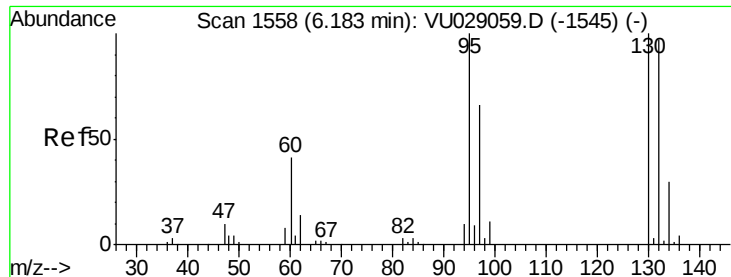
Delta R.T. 0.00 min

Lab File: VU029078.D

Acq: 07 Jan 2019 23:54

Tgt Ion: 78 Resp: 295088

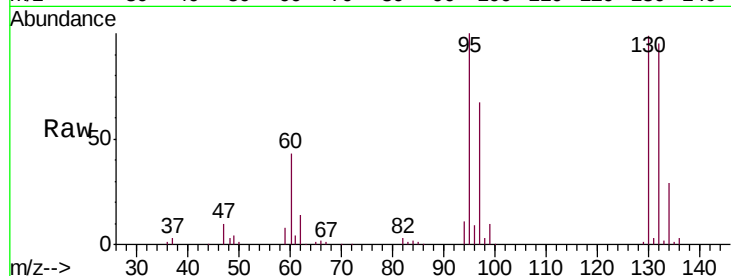




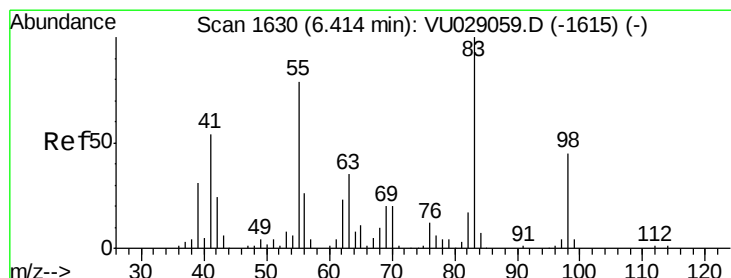
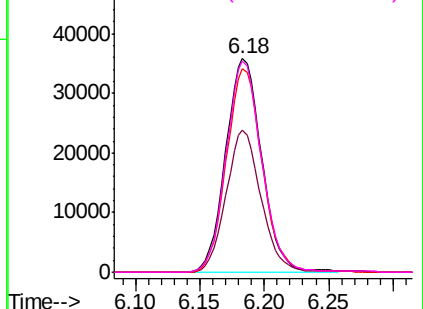
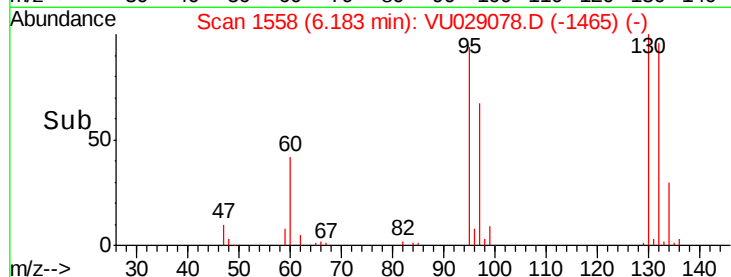
#34
 Trichloroethene
 Concen: 47.784 ug/L
 RT: 6.18 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: VU029078.D
 Acq: 07 Jan 2019 23:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Tgt Ion: 95 Resp: 69477
 Ion Ratio Lower Upper
 95 100
 97 66.6 43.3 80.3
 132 95.2 64.2 119.2
 130 99.1 67.1 124.7

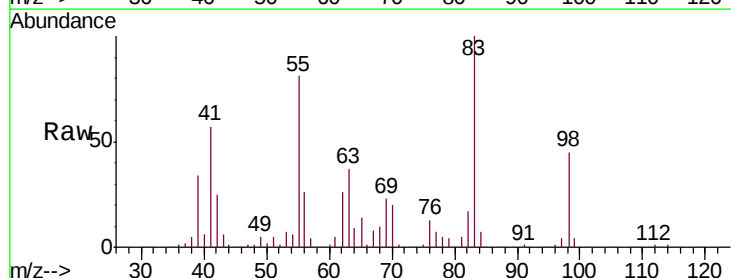


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

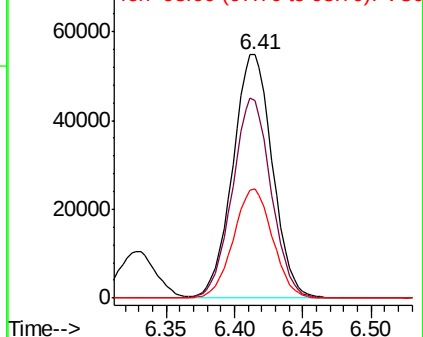
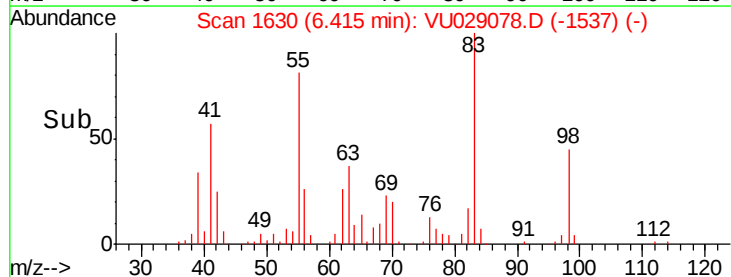


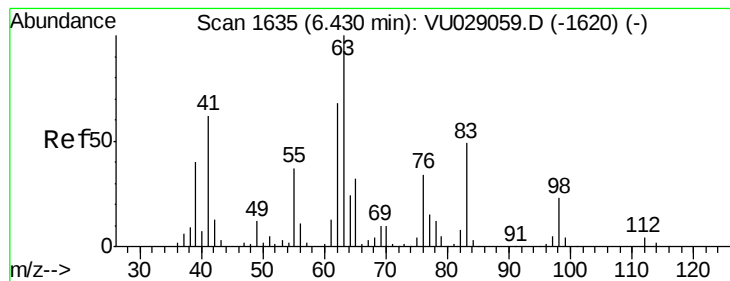
#35
 Methylcyclohexane
 Concen: 45.779 ug/L
 RT: 6.41 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VU029078.D
 Acq: 07 Jan 2019 23:54

Tgt Ion: 83 Resp: 110859
 Ion Ratio Lower Upper
 83 100
 55 80.1 63.7 95.5
 98 44.2 35.6 53.4



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 49.425 ug/L

RT: 6.43 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VU029078.D

Acq: 07 Jan 2019 23:54

Instrument :

MSVOA_U

ClientSampleId :

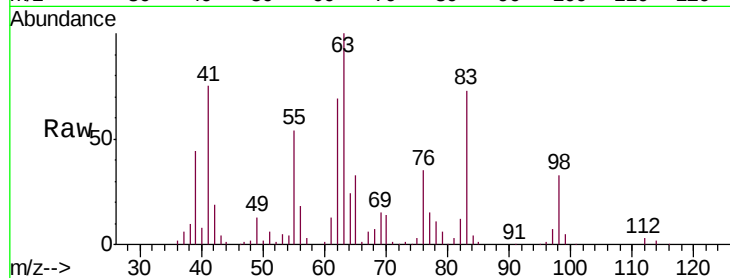
VSTD05052

Tgt Ion: 63 Resp: 83207

Ion Ratio Lower Upper

63 100

112 3.3 2.7 4.1

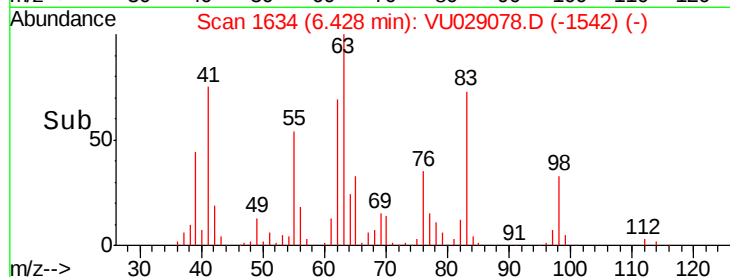


Abundance Ion 63.00 (62.70 to 63.70): VU029059.D (-1620) (-)

Ion 112.00 (111.70 to 112.70): VU029059.D (-1620) (-)

6.43

Time-->

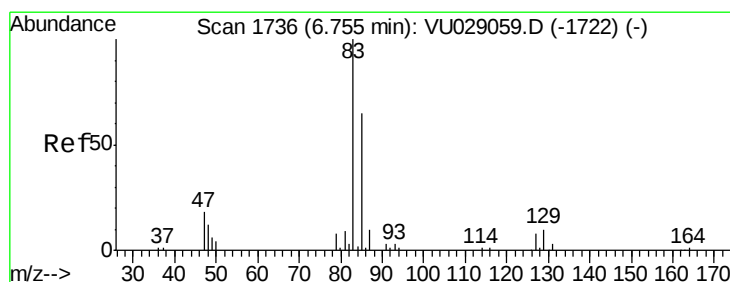


Abundance Ion 63.00 (62.70 to 63.70): VU029078.D (-1542) (-)

Ion 112.00 (111.70 to 112.70): VU029078.D (-1542) (-)

6.43

Time-->



#38

Bromodichloromethane

Concen: 49.034 ug/L

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU029078.D

Acq: 07 Jan 2019 23:54

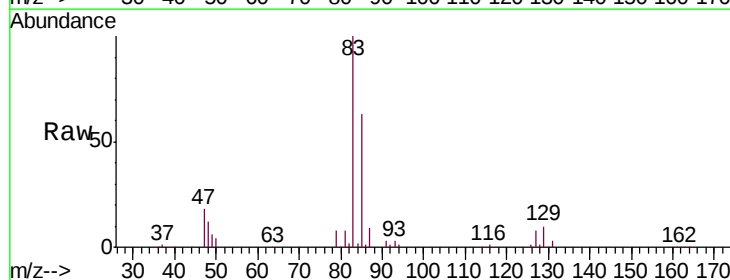
Tgt Ion: 83 Resp: 91414

Ion Ratio Lower Upper

83 100

85 63.0 45.4 84.2

127 8.4 6.2 9.2



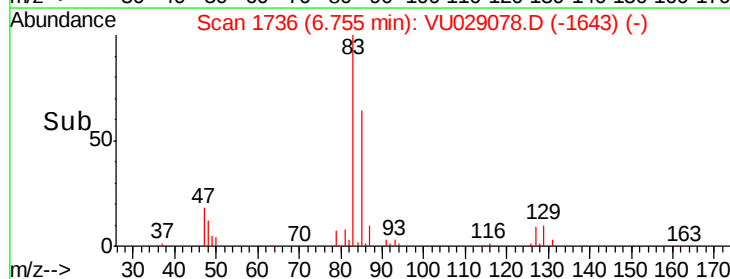
Abundance Ion 83.00 (82.70 to 83.70): VU029059.D (-1722) (-)

Ion 85.00 (84.70 to 85.70): VU029059.D (-1722) (-)

Ion 127.00 (126.70 to 127.70): VU029059.D (-1722) (-)

6.76

Time-->



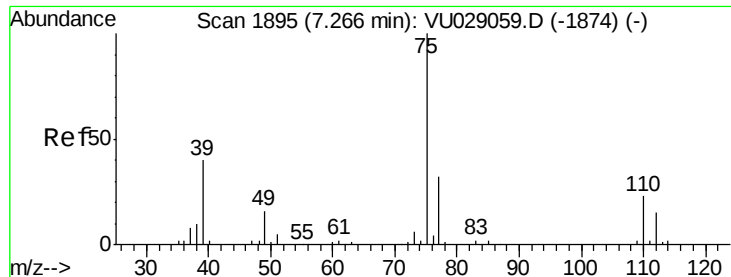
Abundance Ion 83.00 (82.70 to 83.70): VU029078.D (-1643) (-)

Ion 85.00 (84.70 to 85.70): VU029078.D (-1643) (-)

Ion 127.00 (126.70 to 127.70): VU029078.D (-1643) (-)

6.76

Time-->

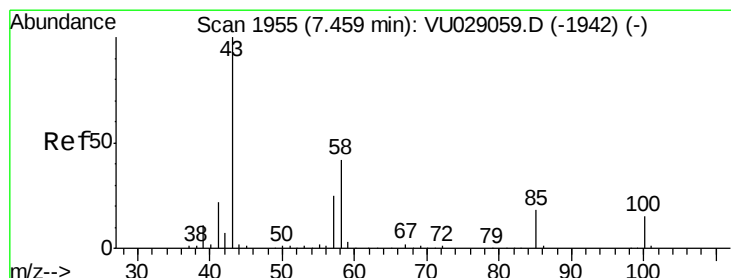
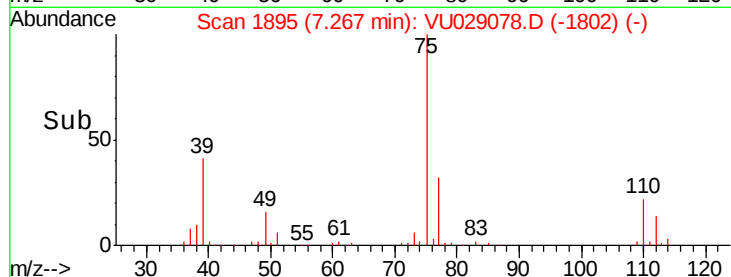
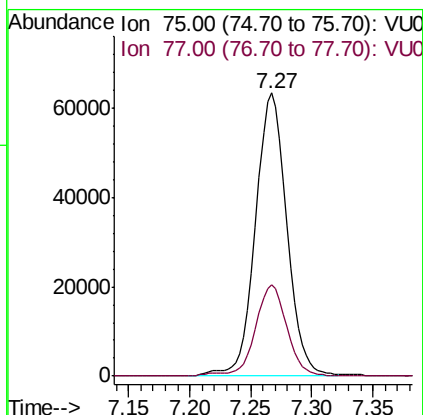
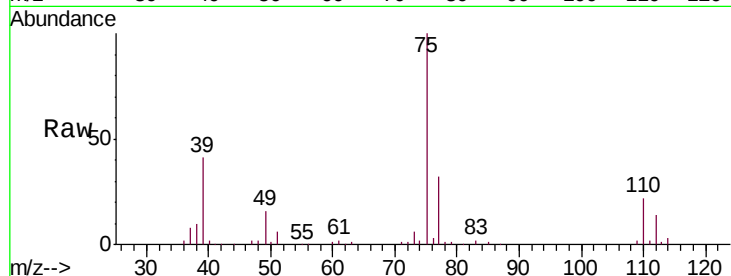


#39

cis-1,3-Dichloropropene
Concen: 47.132 ug/L
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU029078.D
Acq: 07 Jan 2019 23:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

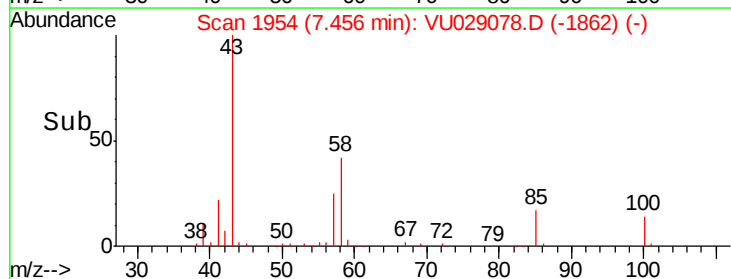
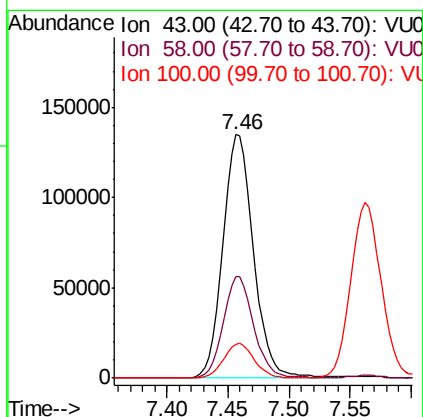
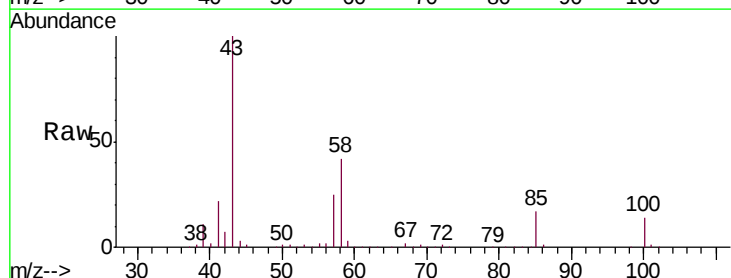
Tgt Ion: 75 Resp: 113121
Ion Ratio Lower Upper
75 100
77 32.3 21.8 40.6

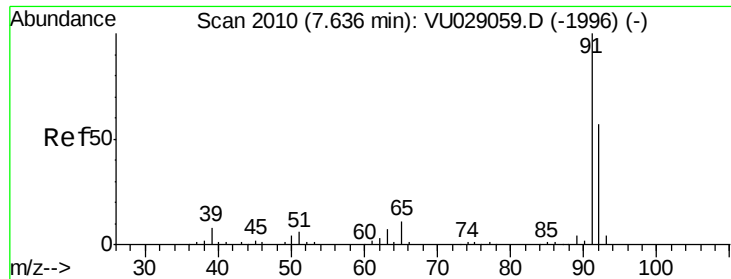


#40

4-Methyl-2-pentanone
Concen: 105.211 ug/L
RT: 7.46 min Scan# 1954
Delta R.T. -0.00 min
Lab File: VU029078.D
Acq: 07 Jan 2019 23:54

Tgt Ion: 43 Resp: 238072
Ion Ratio Lower Upper
43 100
58 41.3 33.1 49.7
100 14.1 11.5 17.3





#42

Toluene

Concen: 49.508 ug/L

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU029078.D

Acq: 07 Jan 2019 23:54

Instrument :

MSVOA_U

ClientSampleId :

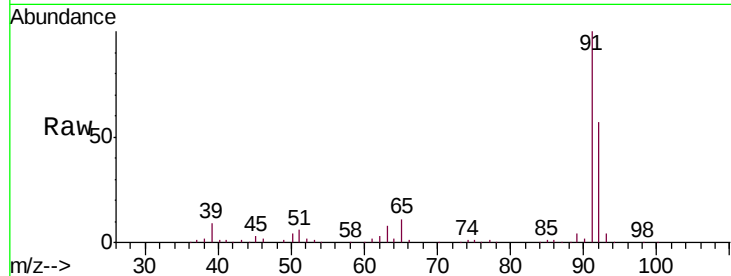
VSTD05052

Tgt Ion: 91 Resp: 302242

Ion Ratio Lower Upper

91 100

92 57.3 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

200000

150000

100000

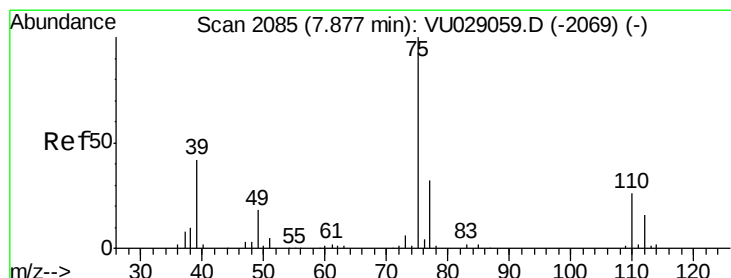
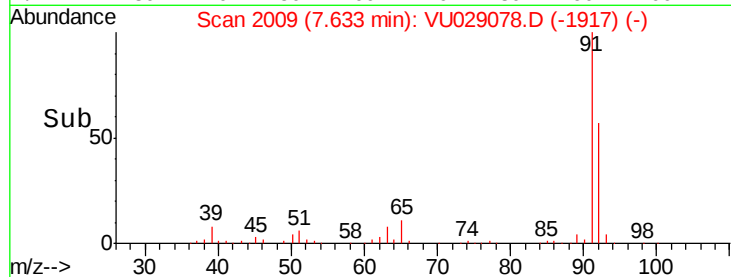
50000

0

7.63

7.60 7.70 7.80

Time-->



#44

trans-1,3-Dichloropropene

Concen: 46.970 ug/L

RT: 7.88 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VU029078.D

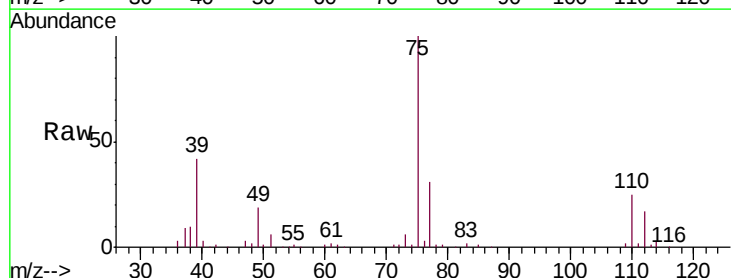
Acq: 07 Jan 2019 23:54

Tgt Ion: 75 Resp: 100489

Ion Ratio Lower Upper

75 100

77 30.9 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

60000

40000

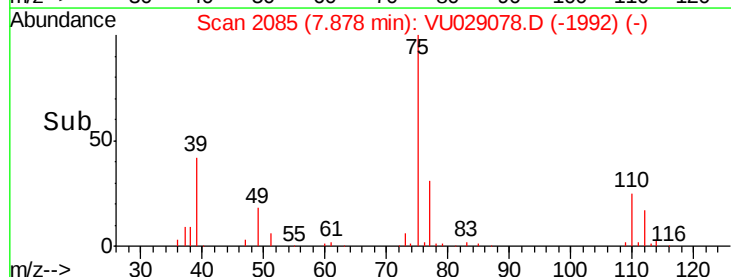
20000

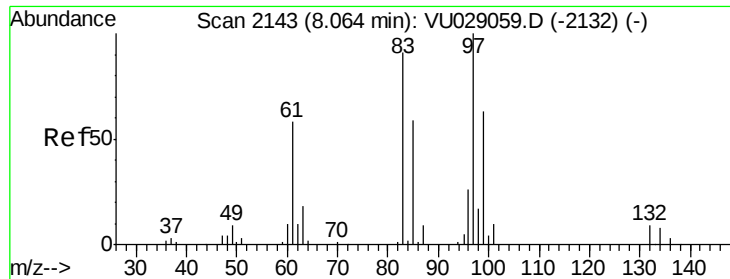
0

7.88

7.80 7.85 7.90 7.95

Time-->

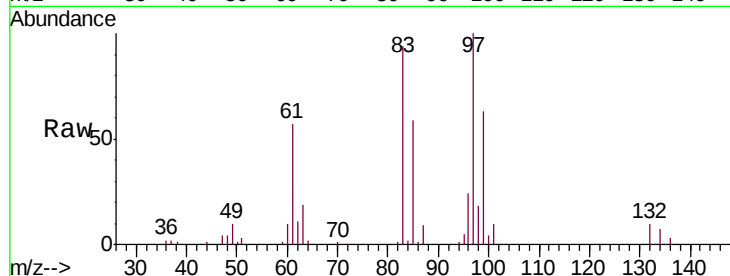




#45
 1,1,2-Trichloroethane
 Concen: 51.123 ug/L
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029078.D
 Acq: 07 Jan 2019 23:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Tgt Ion:	97	Resp:	73587
Ion	Ratio	Lower	Upper
97	100		
99	63.4	44.2	82.2
83	94.1	64.5	119.9
85	59.3	40.9	75.9



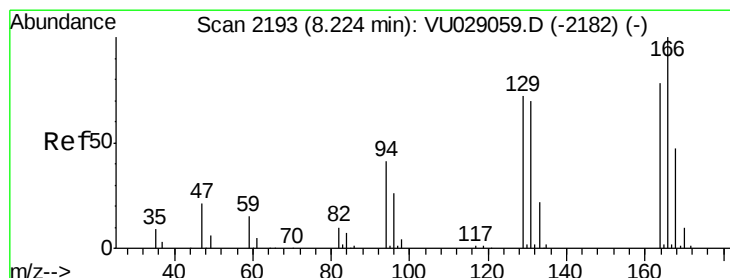
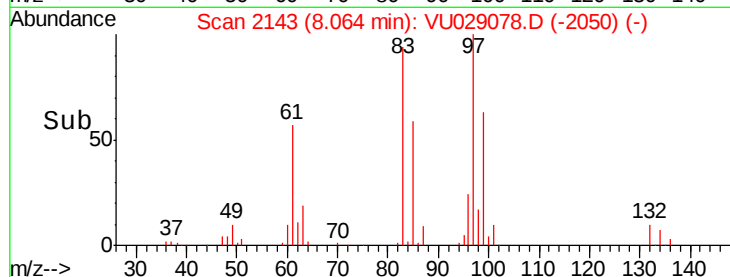
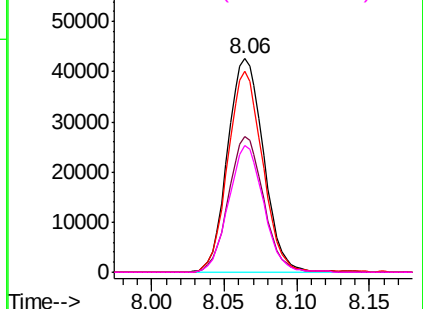
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

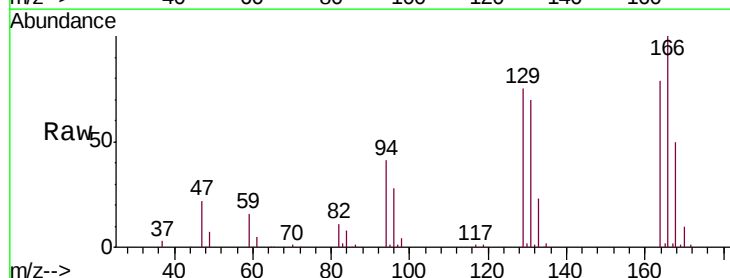
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 46.500 ug/L
 RT: 8.22 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU029078.D
 Acq: 07 Jan 2019 23:54

Tgt Ion:	164	Resp:	52071
Ion	Ratio	Lower	Upper
164	100		
129	94.2	66.8	124.0
131	88.9	64.2	119.2
166	126.4	90.8	168.6



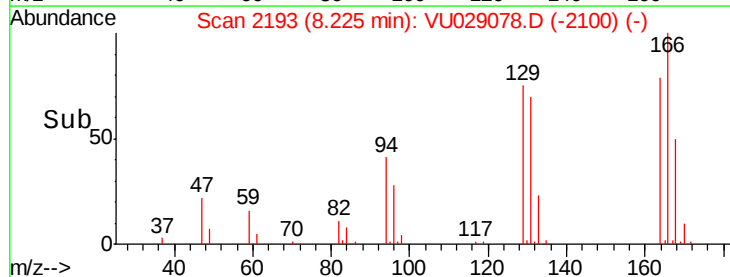
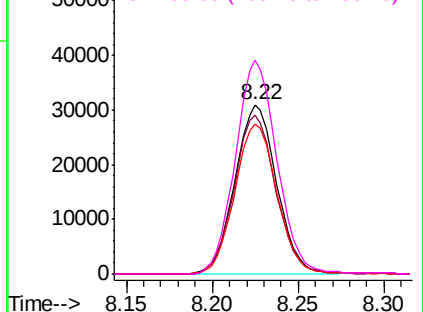
Abundance

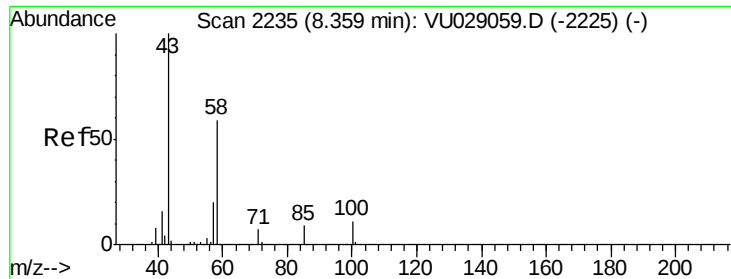
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

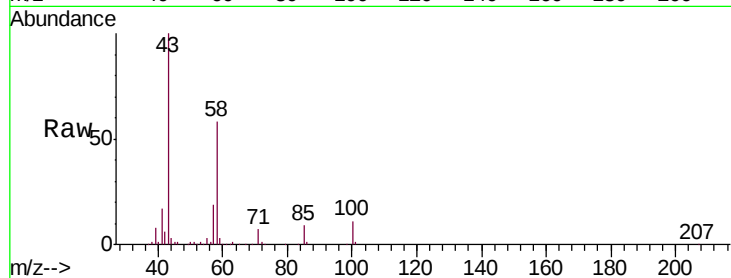




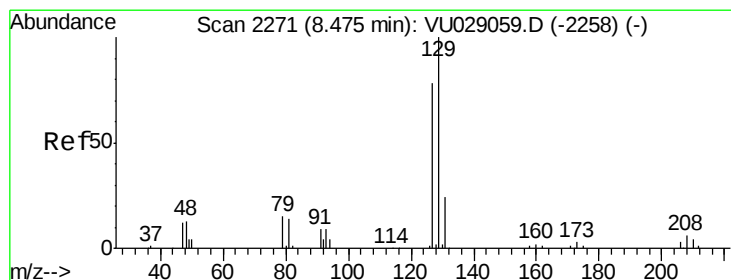
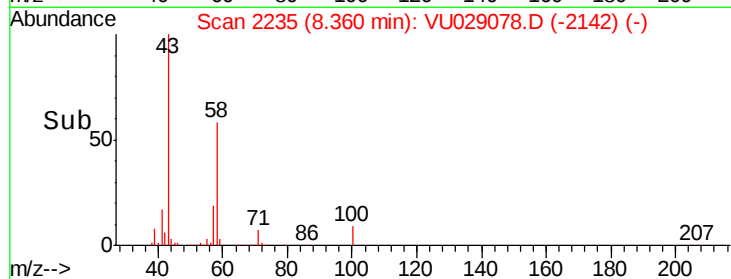
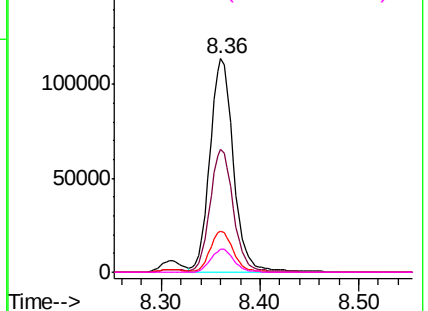
#48
2-Hexanone
Concen: 101.587 ug/L
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029078.D
Acq: 07 Jan 2019 23:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

Tgt Ion: 43 Resp: 188669
Ion Ratio Lower Upper
43 100
58 57.2 45.9 68.9
57 18.5 15.0 22.4
100 10.7 8.7 13.1

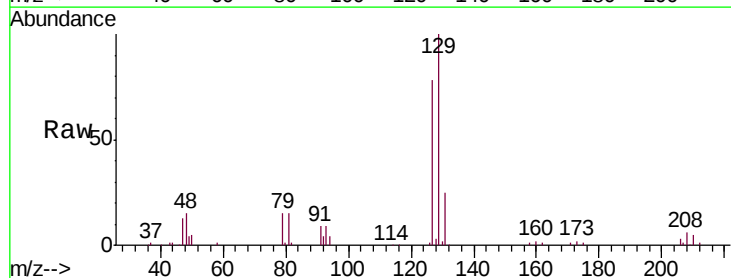


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

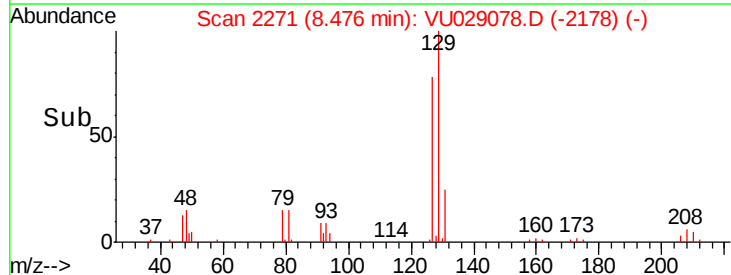
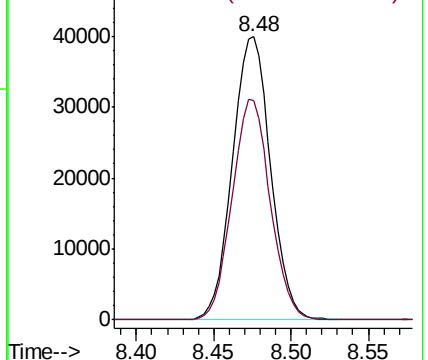


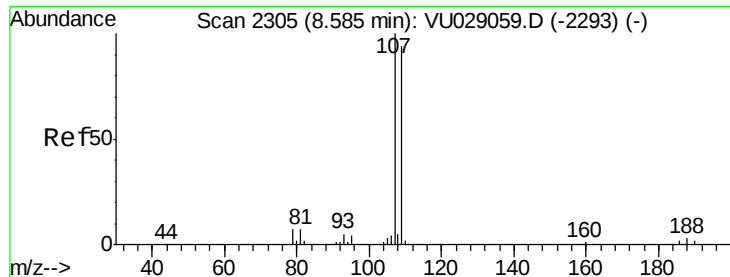
#49
Dibromochloromethane
Concen: 47.726 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029078.D
Acq: 07 Jan 2019 23:54

Tgt Ion: 129 Resp: 68427
Ion Ratio Lower Upper
129 100
127 77.7 54.1 100.5



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

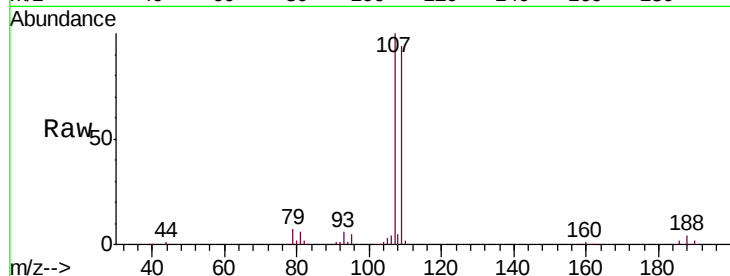




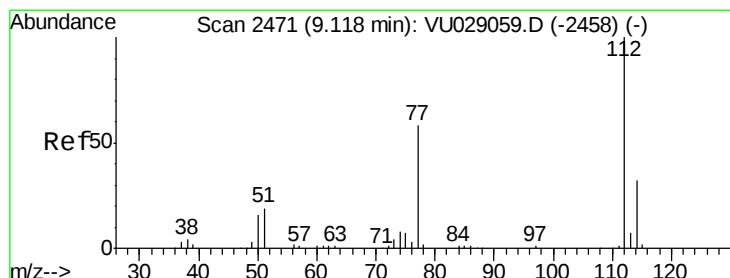
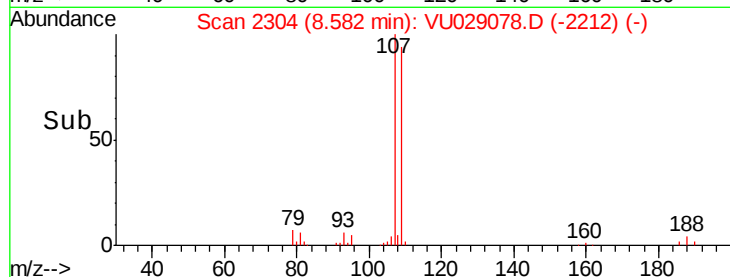
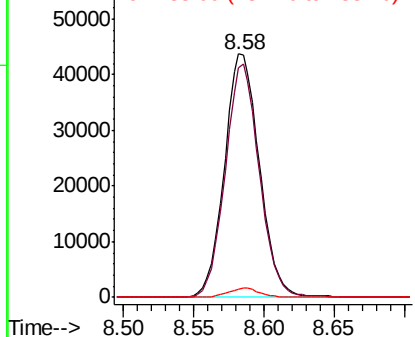
#50
1,2-Dibromoethane
Concen: 50.557 ug/L
RT: 8.58 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VU029078.D
Acq: 07 Jan 2019 23:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

Tgt Ion:107 Resp: 75715
Ion Ratio Lower Upper
107 100
109 94.4 66.0 122.6
188 3.5 3.1 4.7

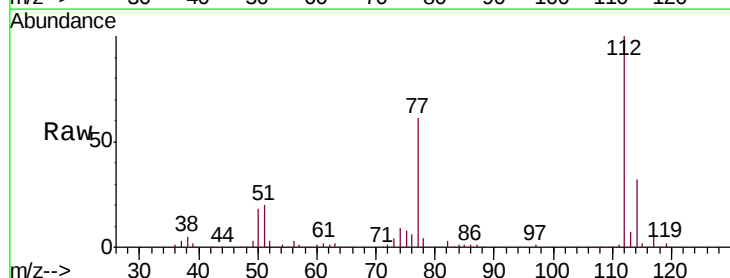


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

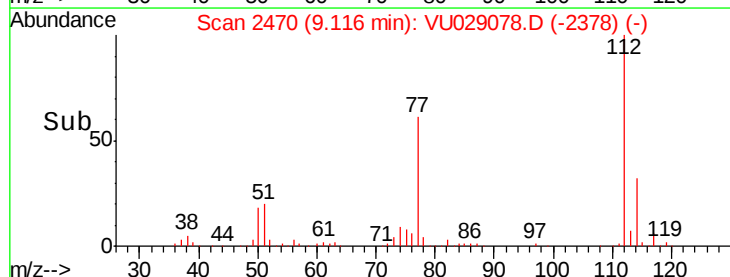
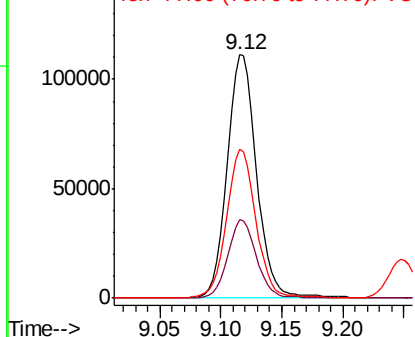


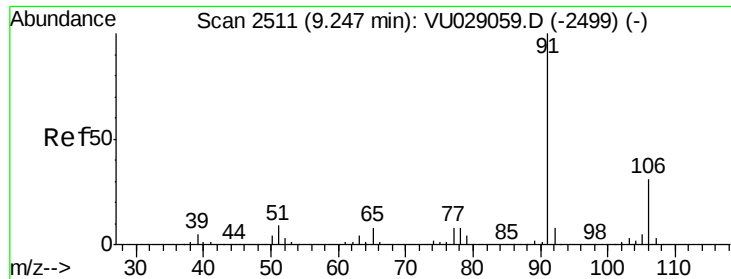
#51
Chlorobenzene
Concen: 48.964 ug/L
RT: 9.12 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VU029078.D
Acq: 07 Jan 2019 23:54

Tgt Ion:112 Resp: 188392
Ion Ratio Lower Upper
112 100
114 32.0 22.2 41.2
77 61.3 47.8 71.8



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 48.419 ug/L

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU029078.D

Acq: 07 Jan 2019 23:54

Instrument :

MSVOA_U

ClientSampleId :

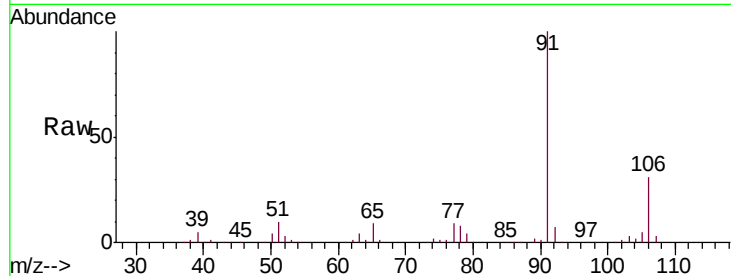
VSTD05052

Tgt Ion: 91 Resp: 317622

Ion Ratio Lower Upper

91 100

106 31.4 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VU029059.D (-2499) (-)

Ion 106.00 (105.70 to 106.70): VU029078.D (-2418) (-)

9.25

200000

150000

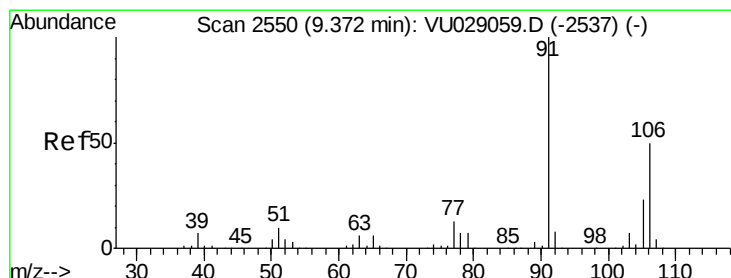
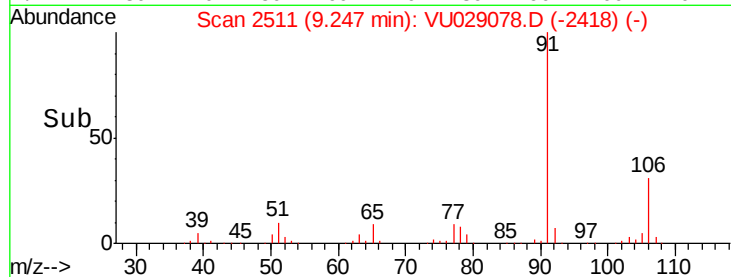
100000

50000

0

9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 49.558 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU029078.D

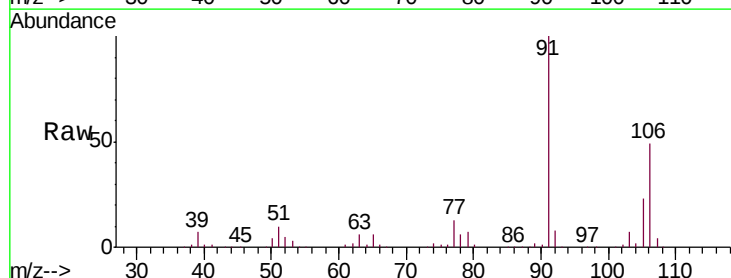
Acq: 07 Jan 2019 23:54

Tgt Ion: 106 Resp: 120215

Ion Ratio Lower Upper

106 100

91 205.4 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): VU029078.D (-2457) (-)

Ion 91.00 (90.70 to 91.70): VU029059.D (-2537) (-)

9.37

200000

150000

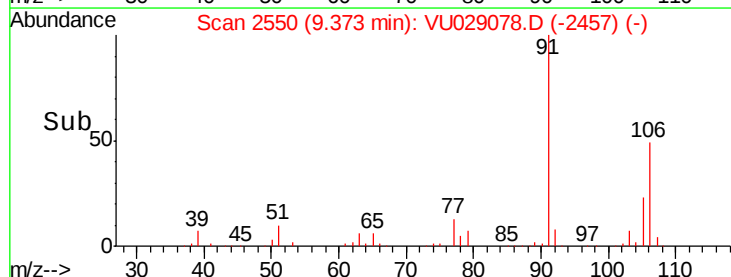
100000

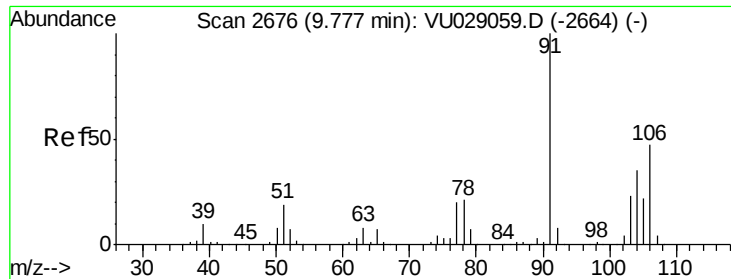
50000

0

9.30 9.40 9.50

Time-->

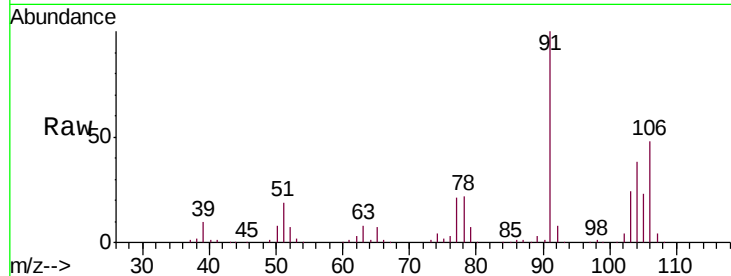




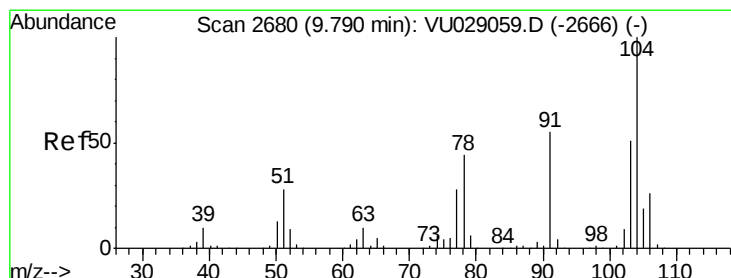
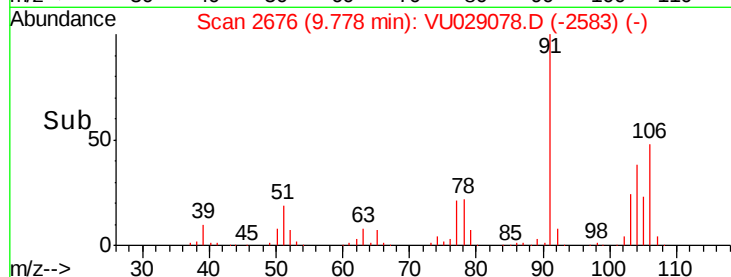
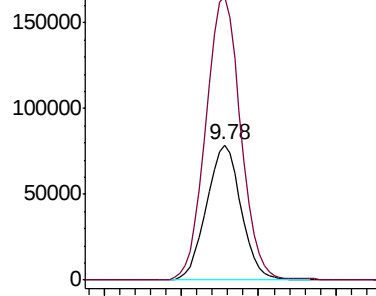
#54
o-xylene
Concen: 50.164 ug/L
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029078.D
Acq: 07 Jan 2019 23:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

Tgt Ion:106 Resp: 121959
Ion Ratio Lower Upper
106 100
91 209.6 150.4 279.4

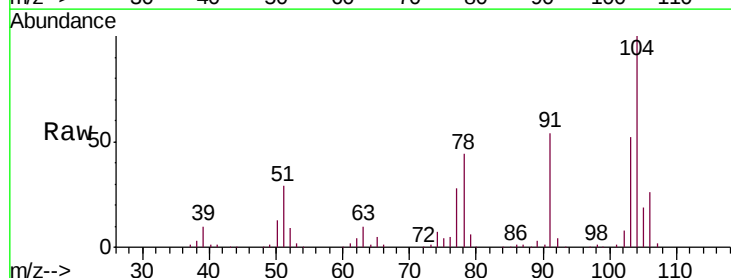


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

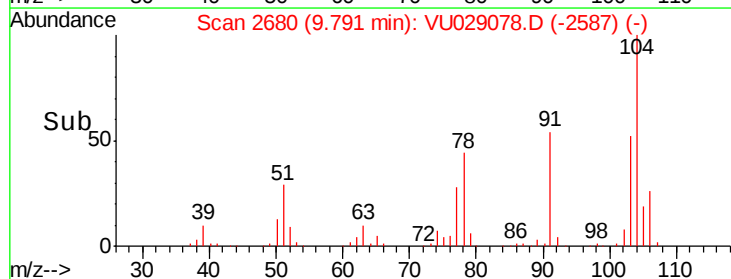
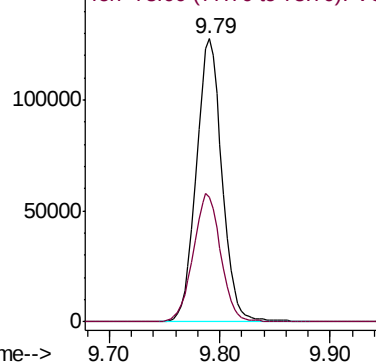


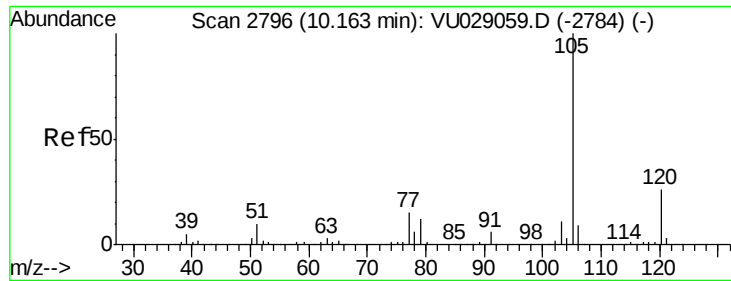
#55
Styrene
Concen: 50.115 ug/L
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029078.D
Acq: 07 Jan 2019 23:54

Tgt Ion:104 Resp: 206351
Ion Ratio Lower Upper
104 100
78 44.3 31.3 58.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 48.876 ug/L

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029078.D

Acq: 07 Jan 2019 23:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

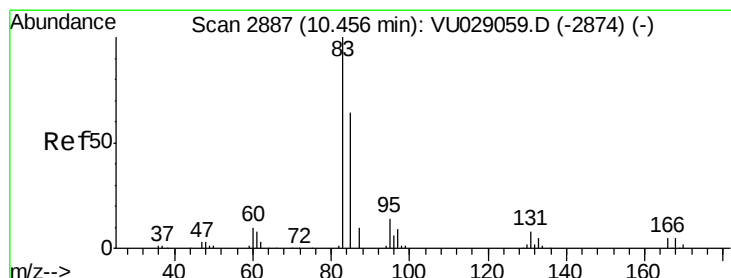
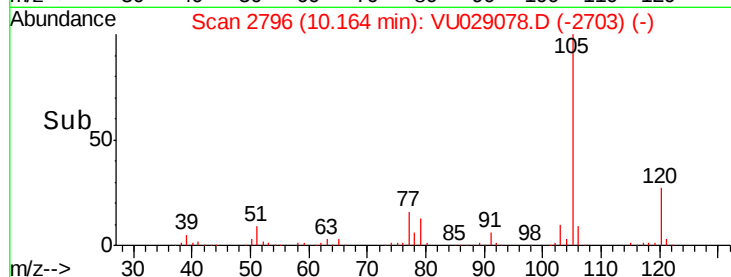
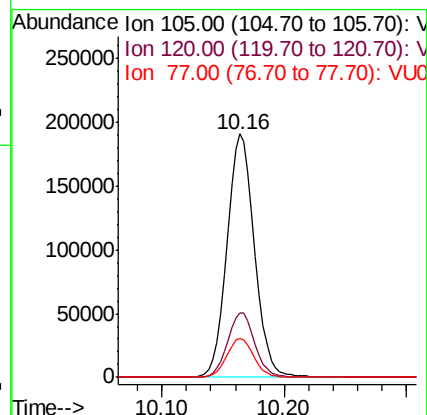
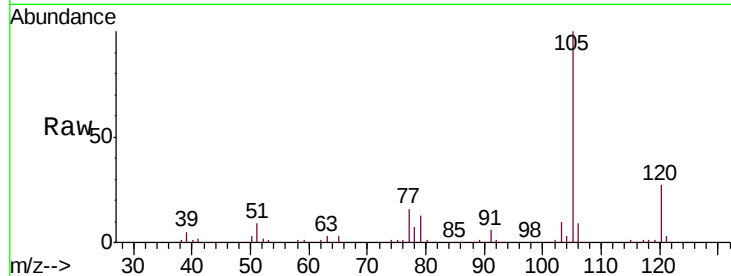
Tgt Ion: 105 Resp: 301443

Ion Ratio Lower Upper

105 100

120 26.5 21.4 32.2

77 15.8 12.3 18.5



#58

1,1,2,2-Tetrachloroethane

Concen: 51.142 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029078.D

Acq: 07 Jan 2019 23:54

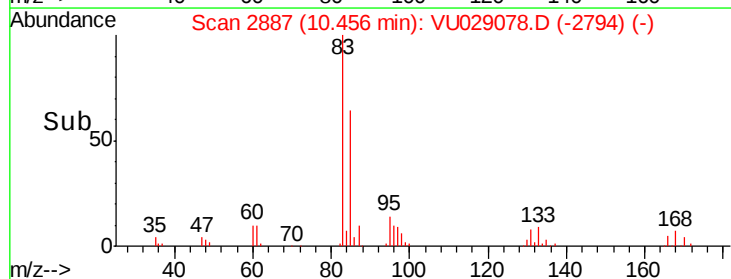
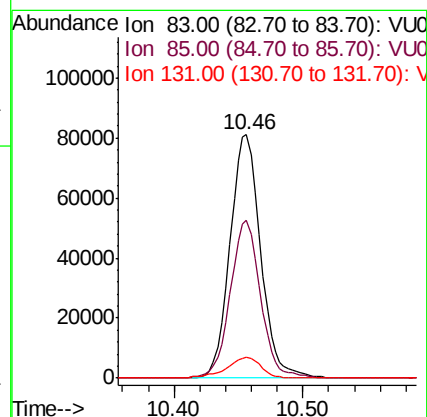
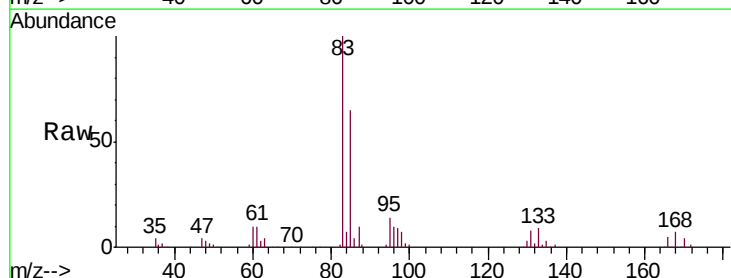
Tgt Ion: 83 Resp: 133733

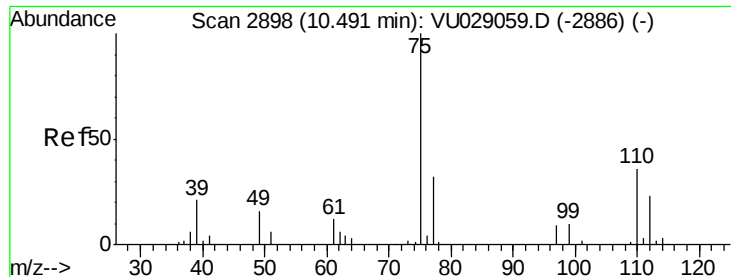
Ion Ratio Lower Upper

83 100

85 64.6 45.3 84.1

131 8.4 6.7 10.1

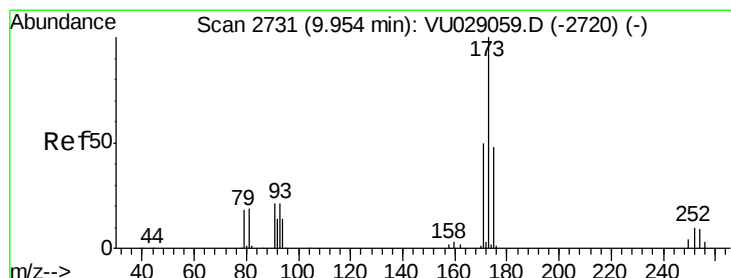
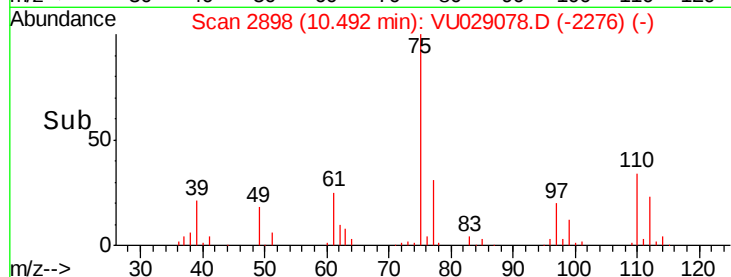
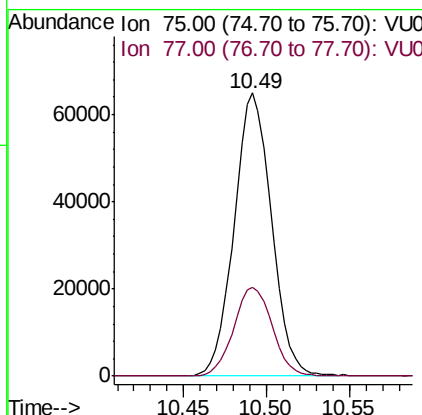
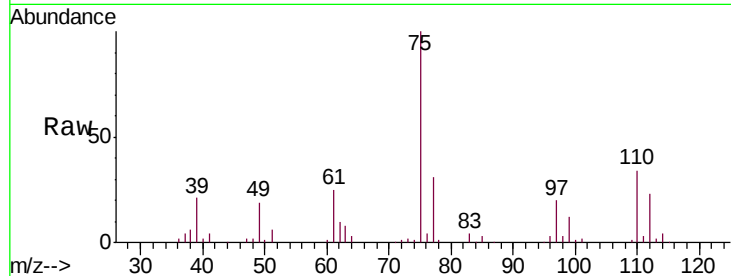




#59
 1,2,3-Trichloropropane
 Concen: 50.623 ug/L
 RT: 10.49 min Scan# 2898
 Delta R.T. 0.00 min
 Lab File: VU029078.D
 Acq: 07 Jan 2019 23:54

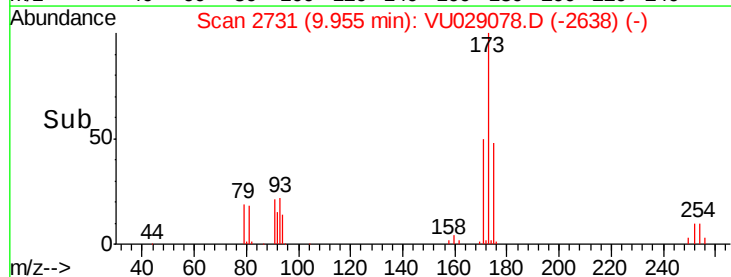
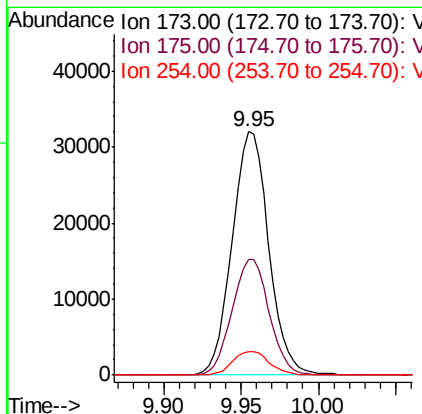
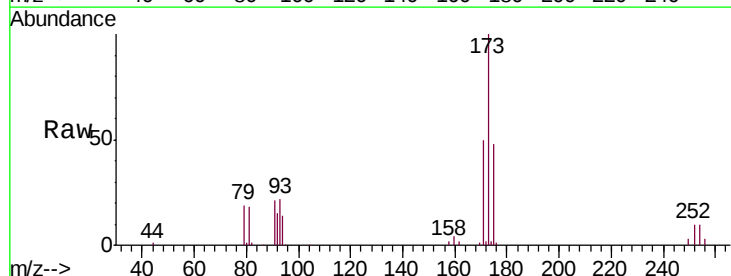
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

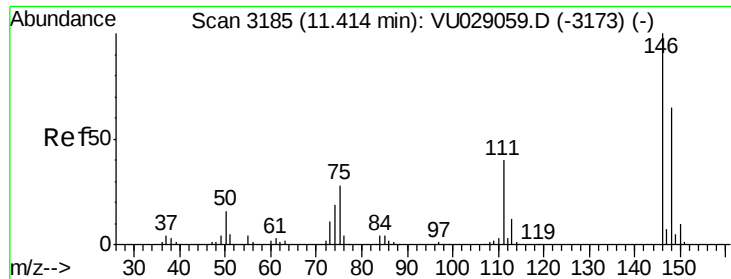
Tgt Ion: 75 Resp: 101702
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.5 38.3



#61
 Bromoform
 Concen: 48.806 ug/L
 RT: 9.95 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VU029078.D
 Acq: 07 Jan 2019 23:54

Tgt Ion: 173 Resp: 52644
 Ion Ratio Lower Upper
 173 100
 175 48.0 38.9 58.3
 254 9.7 7.8 11.8

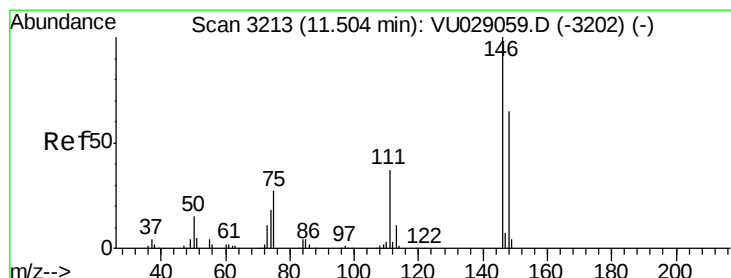
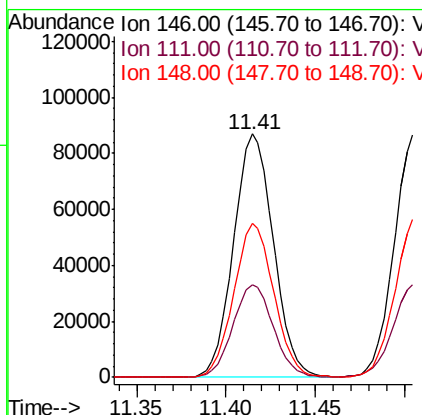
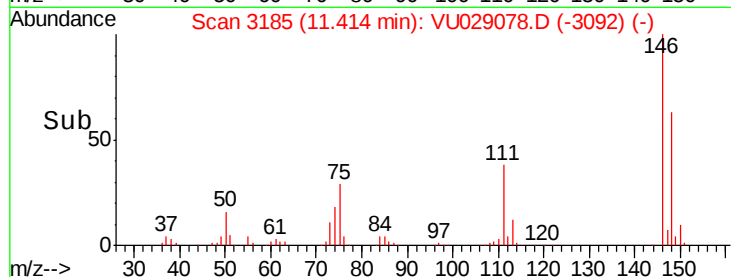
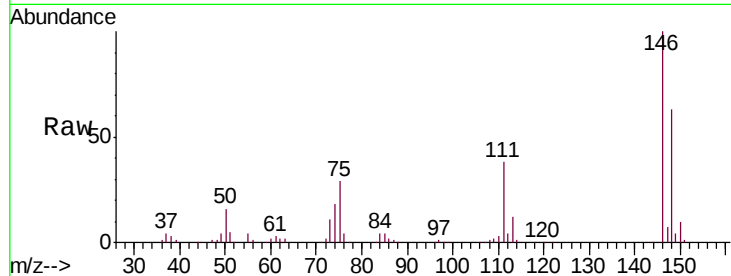




#62
 1,3-Dichlorobenzene
 Concen: 48.953 ug/L
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029078.D
 Acq: 07 Jan 2019 23:54

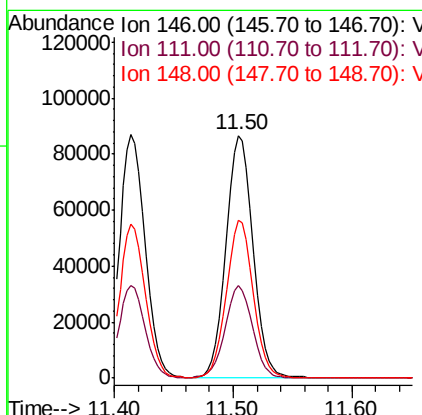
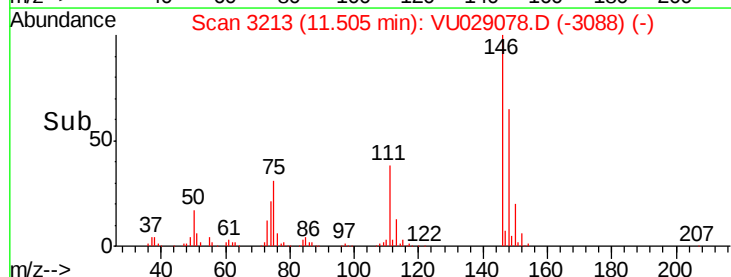
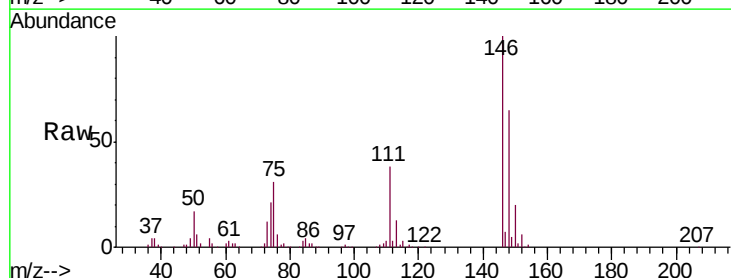
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

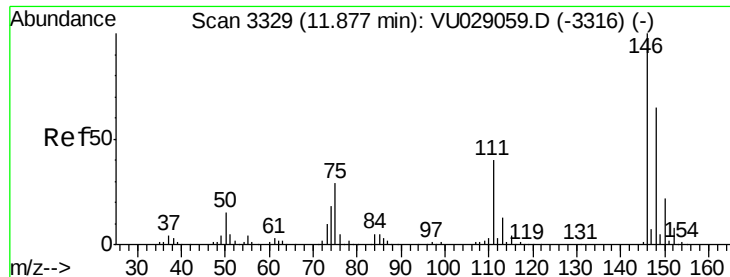
Tgt Ion:146 Resp: 135308
 Ion Ratio Lower Upper
 146 100
 111 38.3 27.4 50.8
 148 63.2 44.2 82.2



#63
 1,4-Dichlorobenzene
 Concen: 47.972 ug/L
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029078.D
 Acq: 07 Jan 2019 23:54

Tgt Ion:146 Resp: 136613
 Ion Ratio Lower Upper
 146 100
 111 38.0 26.5 49.1
 148 65.2 45.1 83.9





#65

1,2-Dichlorobenzene

Concen: 50.286 ug/L

RT: 11.88 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VU029078.D

Acq: 07 Jan 2019 23:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

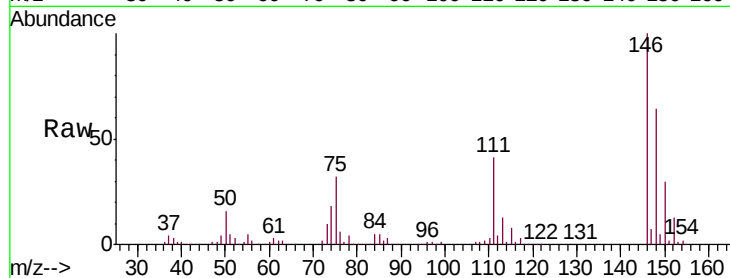
Tgt Ion:146 Resp: 144994

Ion Ratio Lower Upper

146 100

111 40.5 32.1 48.1

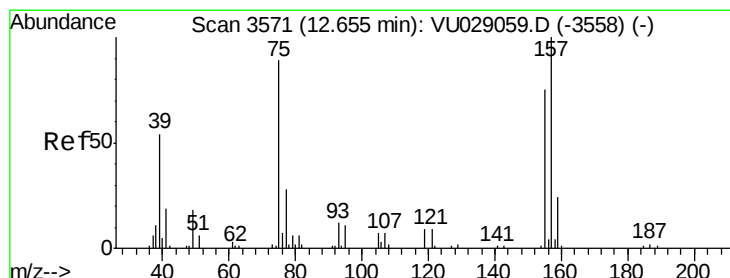
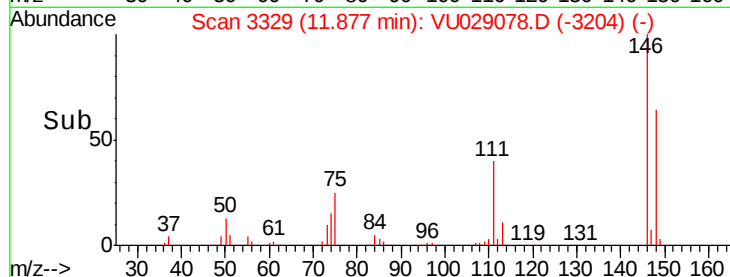
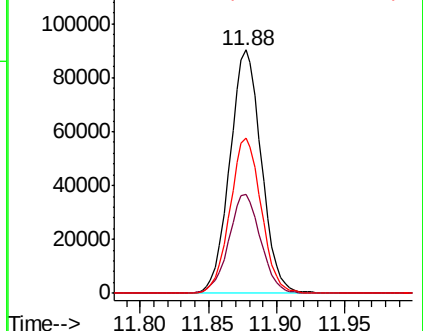
148 63.8 49.7 74.5



Abundance Ion 146.00 (145.70 to 146.70): 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: 51.148 ug/L

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU029078.D

Acq: 07 Jan 2019 23:54

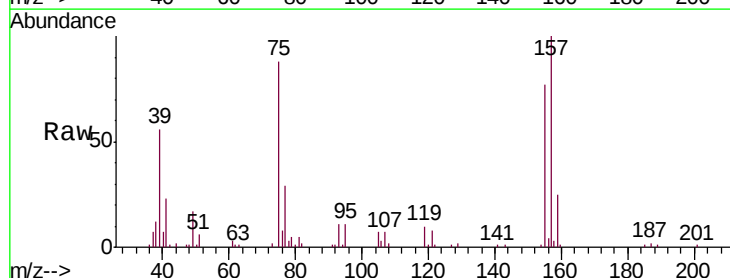
Tgt Ion: 75 Resp: 25439

Ion Ratio Lower Upper

75 100

155 87.5 71.4 107.2

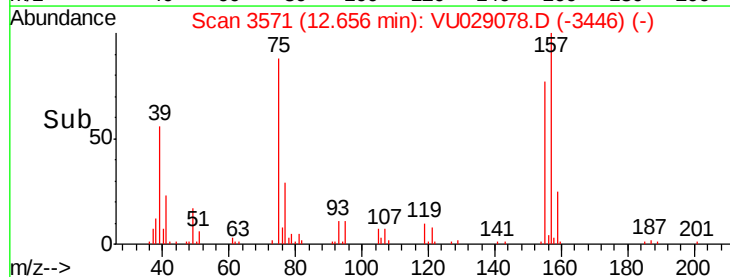
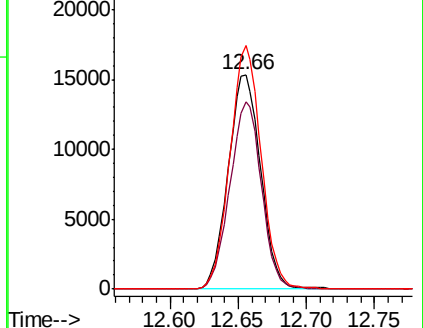
157 113.7 89.6 134.4

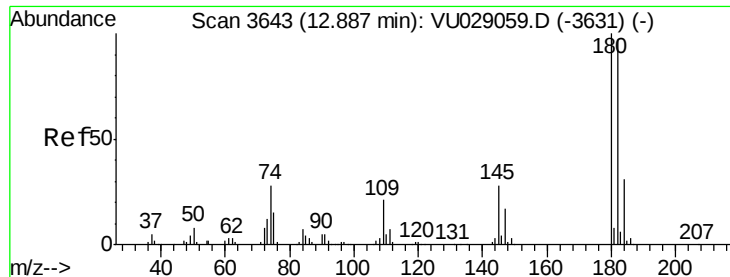


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

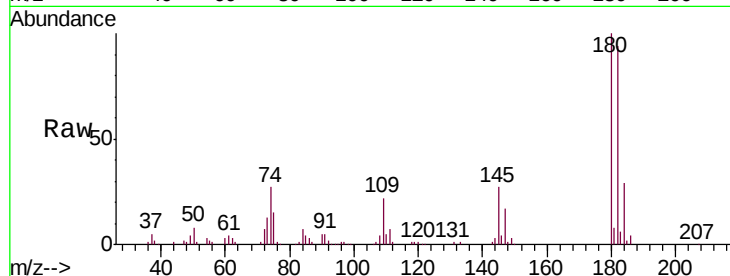




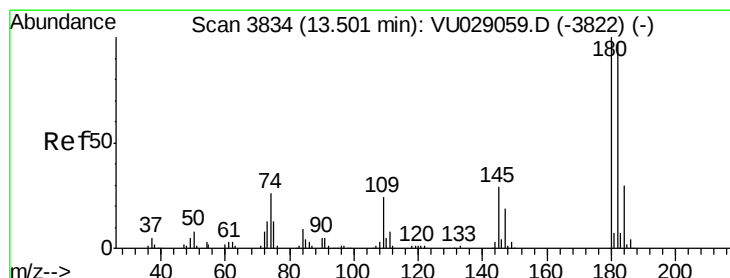
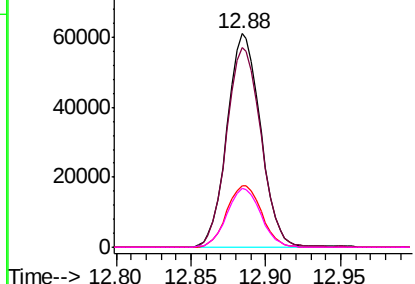
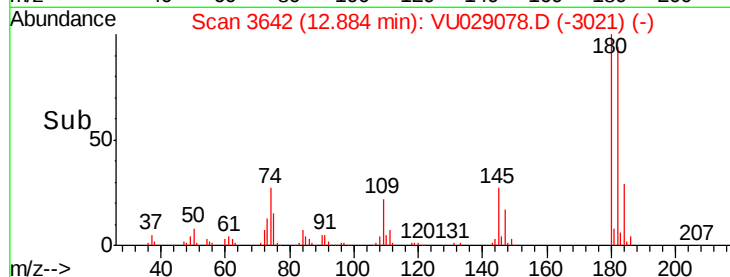
#67
 1,3,5-Trichlorobenzene
 Concen: 46.774 ug/L
 RT: 12.88 min Scan# 3642
 Delta R.T. -0.00 min
 Lab File: VU029078.D
 Acq: 07 Jan 2019 23:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Tgt Ion:180	Resp:	95324
Ion Ratio	Lower	Upper
180	100	
182	95.9	76.4 114.6
184	30.1	24.6 36.8
145	28.1	22.1 33.1

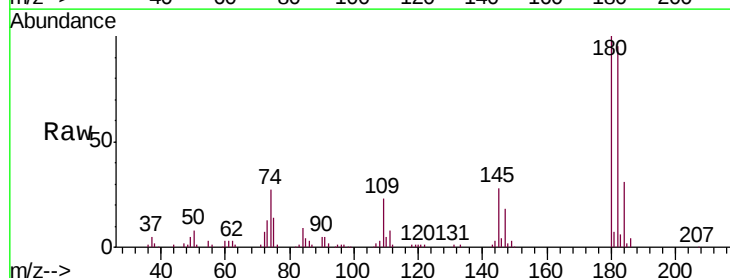


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

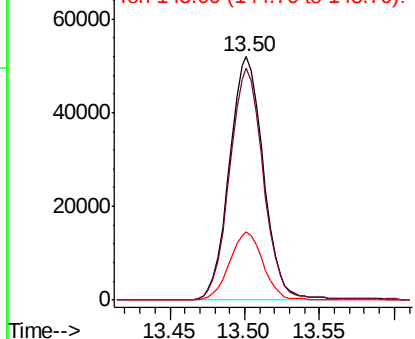
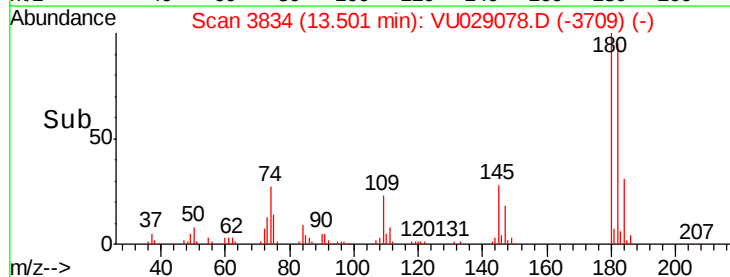


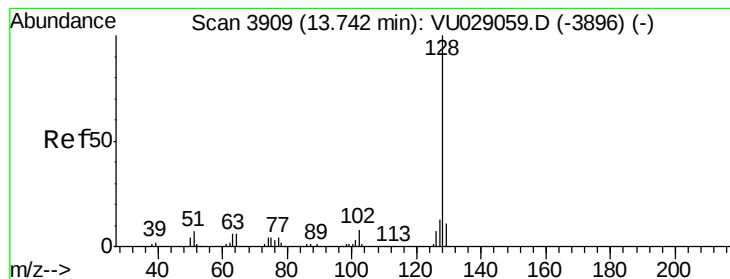
#68
 1,2,4-trichlorobenzene
 Concen: 48.265 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029078.D
 Acq: 07 Jan 2019 23:54

Tgt Ion:180	Resp:	82369
Ion Ratio	Lower	Upper
180	100	
182	94.9	77.4 116.0
145	27.6	23.5 35.3



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





#69

Naphthalene

Concen: 50.440 ug/L

RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU029078.D

Acq: 07 Jan 2019 23:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

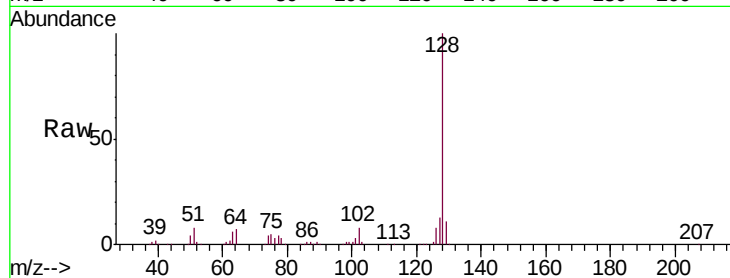
Tgt Ion:128 Resp: 298859

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

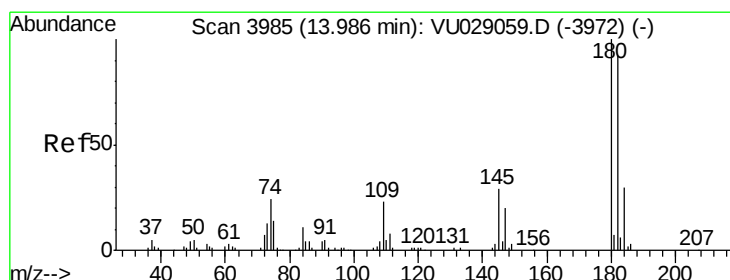
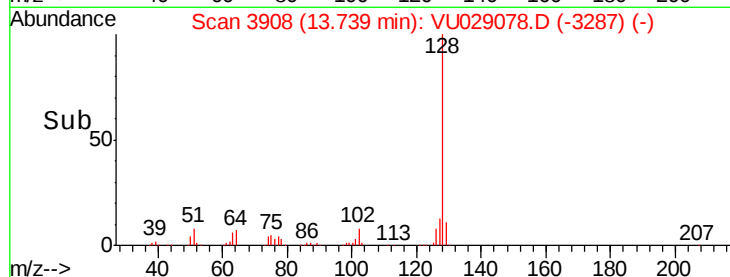
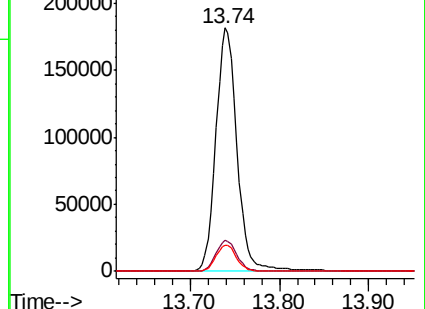
129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 48.072 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU029078.D

Acq: 07 Jan 2019 23:54

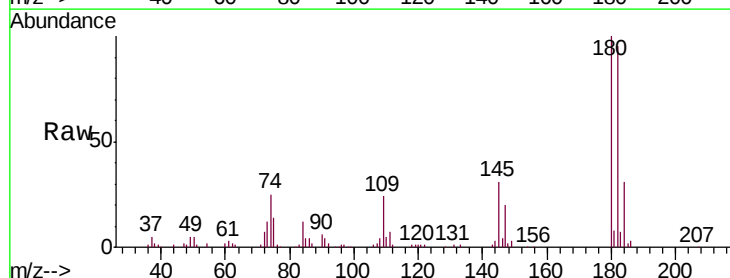
Tgt Ion:180 Resp: 88464

Ion Ratio Lower Upper

180 100

182 97.7 75.8 113.8

145 31.3 24.5 36.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

