

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
 Data File : VU038812.D
 Acq On : 11 Jun 2020 05:57
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Quant Time: Jun 11 07:15:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 11 07:12:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	543912	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	531136	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	264136	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	117624	38.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.42%
7) Chloroethane-d5	1.93	69	104593	44.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.74%
11) 1,1-Dichloroethene-d2	2.59	63	279043	42.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.26%
21) 2-Butanone-d5	4.66	46	316857	107.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.18%
24) Chloroform-d	5.10	84	315876	48.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.42%
26) 1,2-Dichloroethane-d4	5.74	65	207254	47.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.46%
32) Benzene-d6	5.76	84	580216	45.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.70%
36) 1,2-Dichloropropane-d6	6.72	67	186495	47.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.60%
41) Toluene-d8	7.92	98	509706	44.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.18%
43) trans-1,3-Dichloropropene-	8.20	79	90648	45.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.32%
47) 2-Hexanone-d5	8.65	63	225696	107.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.53%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	294339	50.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.08%
64) 1,2-Dichlorobenzene-d4	12.20	152	218725	47.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.38%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	181919	42.237	ug/L 99
3) Chloromethane	1.53	50	189018	45.492	ug/L 100
5) Vinyl chloride	1.62	62	201035	46.198	ug/L 99
6) Bromomethane	1.87	94	108460	47.857	ug/L 99
8) Chloroethane	1.95	64	127568	50.112	ug/L 99
9) Trichlorofluoromethane	2.16	101	272363	45.449	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	135326	38.741	ug/L 96
12) 1,1-Dichloroethene	2.61	96	160847	46.720	ug/L 94
13) Acetone	2.66	43	247175	103.752	ug/L 98
14) Carbon disulfide	2.82	76	509780	45.727	ug/L 100
15) Methyl Acetate	2.98	43	258997	52.023	ug/L 99
16) Methylene chloride	3.08	84	205574	50.293	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	181194	48.096	ug/L 97
18) Methyl tert-butyl Ether	3.40	73	640304	52.566	ug/L 100
19) 1,1-Dichloroethane	3.91	63	356111	49.885	ug/L 97
20) cis-1,2-Dichloroethene	4.70	96	207043	49.716	ug/L 99
22) 2-Butanone	4.74	43	390355	106.844	ug/L 99

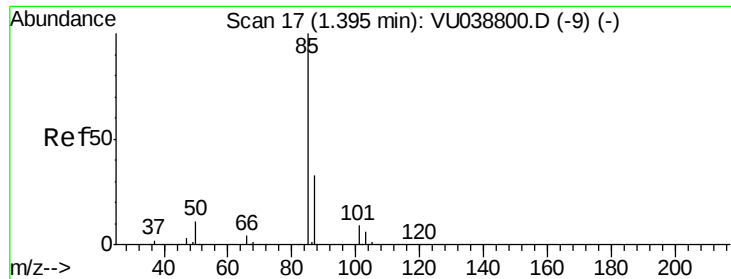
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
 Data File : VU038812.D
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 QLast Update : Thu Jun 11 07:12:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	107669	52.197	uq/L	95
25) Chloroform	5.12	83	365057	51.097	uq/L	98
27) 1,2-Dichloroethane	5.83	62	307354	52.004	uq/L	99
29) Cyclohexane	5.42	56	228427	37.591	uq/L	99
30) 1,1,1-Trichloroethane	5.35	97	304057	48.720	uq/L	100
31) Carbon tetrachloride	5.56	117	240031	46.460	uq/L	100
33) Benzene	5.81	78	788184	49.972	uq/L	100
34) Trichloroethene	6.57	95	192209	47.915	uq/L	98
35) Methylcyclohexane	6.79	83	217300	35.919	uq/L	100
37) 1,2-Dichloropropane	6.82	63	207036	50.373	uq/L	99
38) Bromodichloromethane	7.13	83	273292	51.869	uq/L	98
39) cis-1,3-Dichloropropene	7.63	75	309639	48.850	uq/L	99
40) 4-Methyl-2-pentanone	7.82	43	669968	104.269	uq/L	100
42) Toluene	7.99	91	800538	48.542	uq/L	100
44) trans-1,3-Dichloropropene	8.23	75	302694	49.856	uq/L	98
45) 1,1,2-Trichloroethane	8.42	97	205548	51.959	uq/L	99
46) Tetrachloroethene	8.57	164	127326	43.996	uq/L	98
48) 2-Hexanone	8.70	43	568310	106.996	uq/L	100
49) Dibromochloromethane	8.83	129	214923	52.901	uq/L	97
50) 1,2-Dibromoethane	8.94	107	223391	52.538	uq/L	97
51) Chlorobenzene	9.47	112	515704	48.675	uq/L	98
52) Ethylbenzene	9.59	91	842235	46.274	uq/L	99
53) m,p-Xylene	9.71	106	322569	46.169	uq/L	97
54) o-xylene	10.11	106	329129	48.526	uq/L	97
55) Styrene	10.13	104	574676	48.875	uq/L	96
56) Isopropylbenzene	10.50	105	784381	44.310	uq/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	341042	50.656	uq/L	98
59) 1,2,3-Trichloropropane	10.83	75	300296	52.109	uq/L	100
61) Bromoform	10.31	173	157573	54.391	uq/L	98
62) 1,3-Dichlorobenzene	11.75	146	387621	47.548	uq/L	98
63) 1,4-Dichlorobenzene	11.85	146	394737	47.818	uq/L	99
65) 1,2-Dichlorobenzene	12.22	146	400869	49.405	uq/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	93103	55.370	uq/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	268399	45.831	uq/L	99
68) 1,2,4-trichlorobenzene	13.86	180	260286	47.146	uq/L	99
69) Naphthalene	14.11	128	1049960	53.796	uq/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	278825	50.339	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 42.237 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038812.D

Acq: 11 Jun 2020 05:57

Instrument :

MSVOA_U

ClientSampleId :

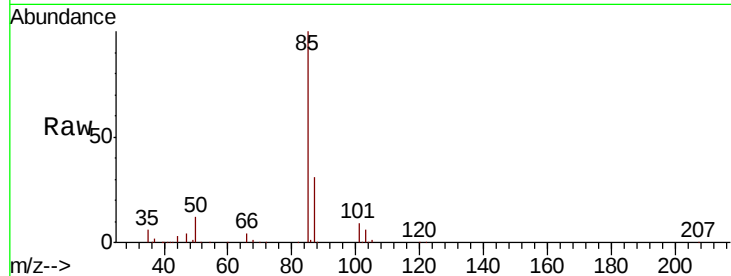
VSTD05051

Tot Ion: 85 Resp: 181919

Ion Ratio Lower Upper

85 100

87 31.8 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU038812.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU038812.D (-1) (-)

1.39

200000

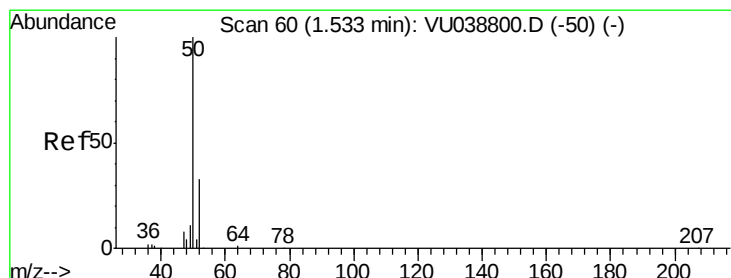
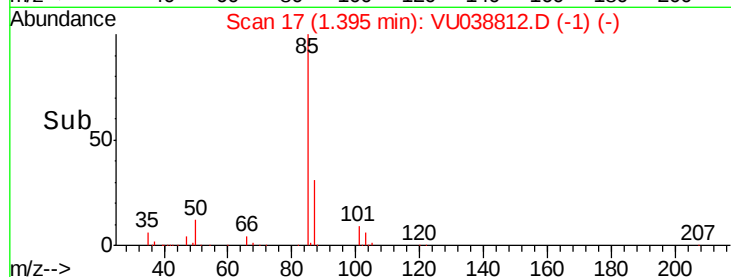
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 45.492 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038812.D

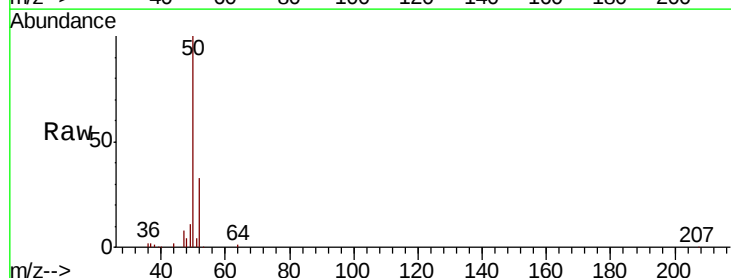
Acq: 11 Jun 2020 05:57

Tgt Ion: 50 Resp: 189018

Ion Ratio Lower Upper

50 100

52 33.1 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU038812.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU038812.D (-1) (-)

1.53

200000

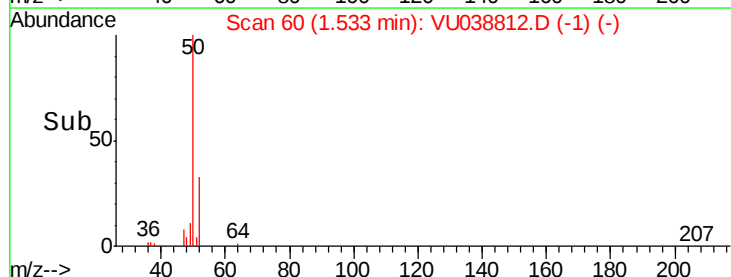
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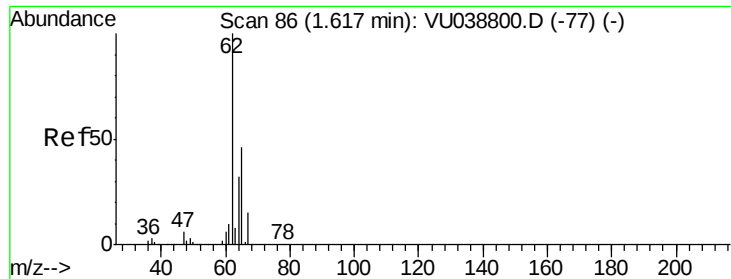
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 46.198 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038812.D

Acq: 11 Jun 2020 05:57

Instrument :

MSVOA_U

ClientSampleId :

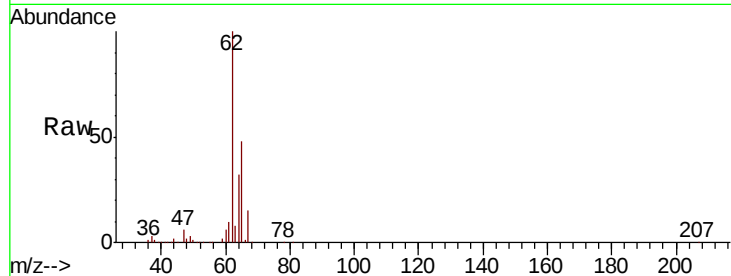
VSTD05051

Tot Ion: 62 Resp: 201035

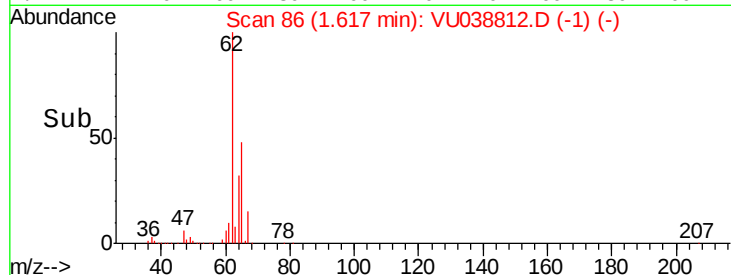
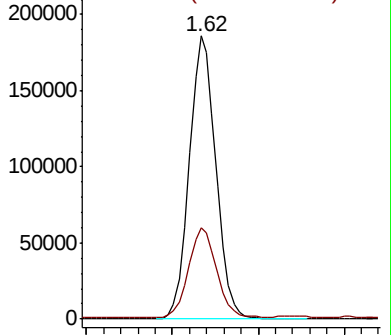
Ion Ratio Lower Upper

62 100

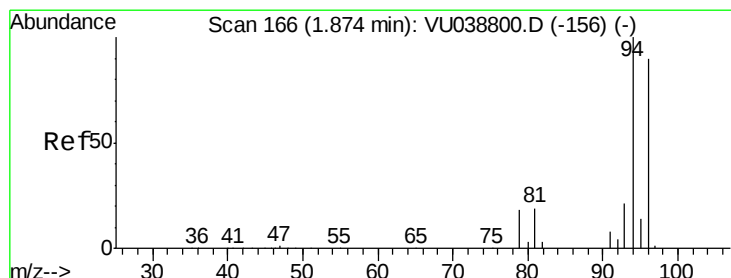
64 32.2 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU038812.D (-73) (-)



Time-->



#6

Bromomethane

Concen: 47.857 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU038812.D

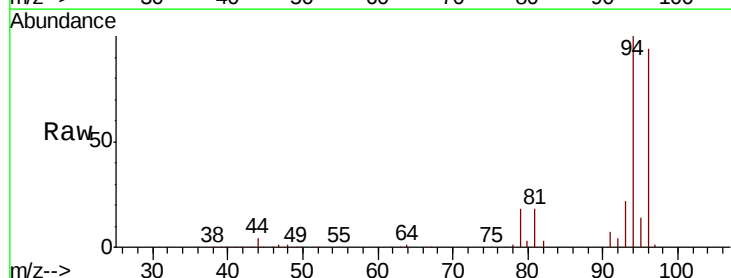
Acq: 11 Jun 2020 05:57

Tgt Ion: 94 Resp: 108460

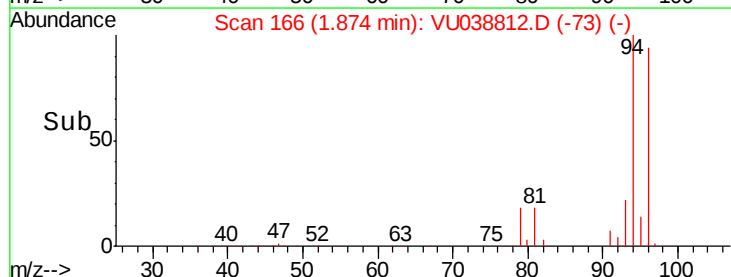
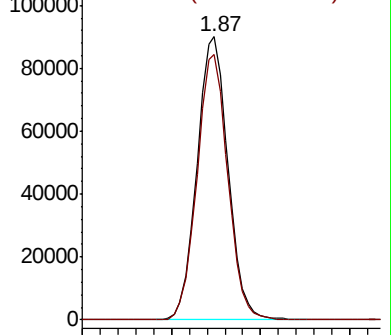
Ion Ratio Lower Upper

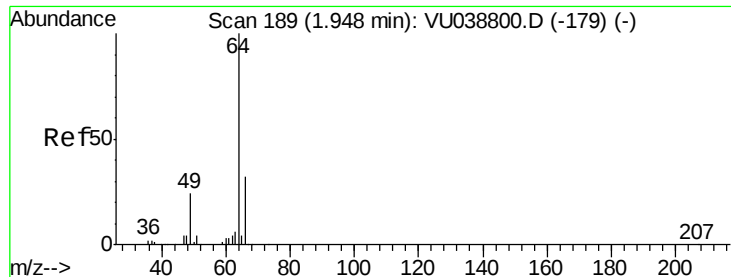
94 100

96 93.9 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VU038812.D (-73) (-)





#8

Chloroethane

Concen: 50.112 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU038812.D

Acq: 11 Jun 2020 05:57

Instrument :

MSVOA_U

ClientSampleId :

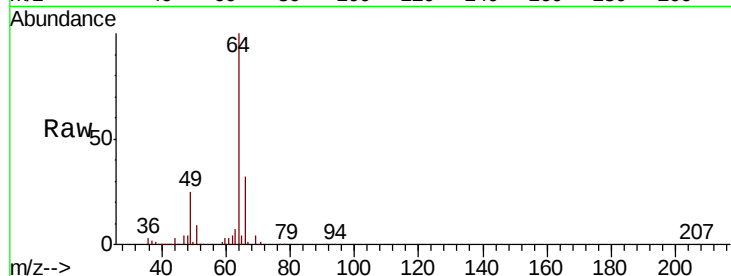
VSTD05051

Tot Ion: 64 Resp: 127568

Ion Ratio Lower Upper

64 100

66 31.5 21.6 40.2



Abundance Ion 64.00 (63.70 to 64.70): VU038812.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU038812.D (-179) (-)

1.95

100000

80000

60000

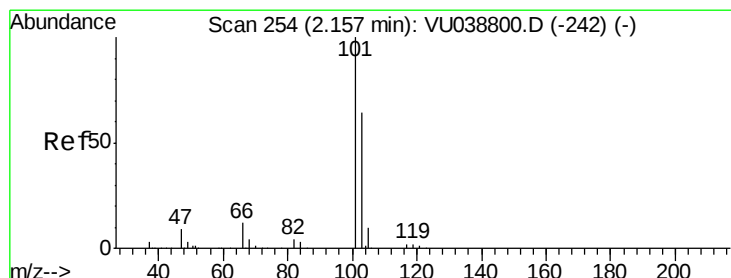
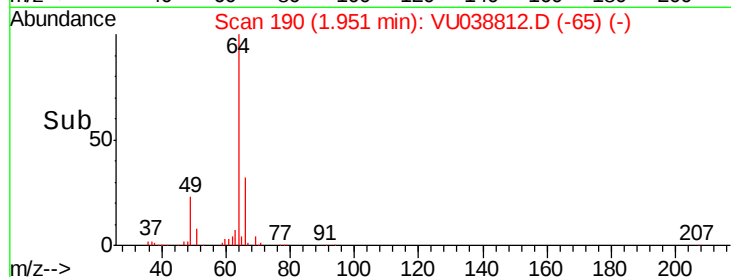
40000

20000

0

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 45.449 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU038812.D

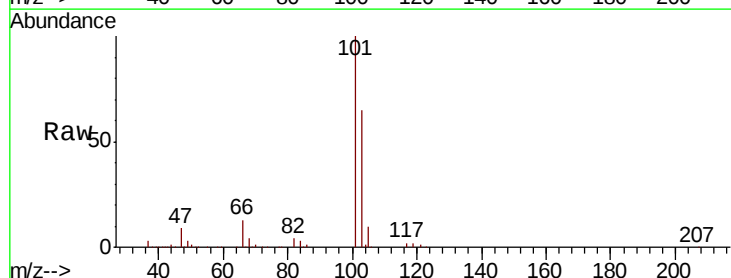
Acq: 11 Jun 2020 05:57

Tgt Ion:101 Resp: 272363

Ion Ratio Lower Upper

101 100

103 64.8 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VU038812.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU038812.D (-242) (-)

2.16

200000

150000

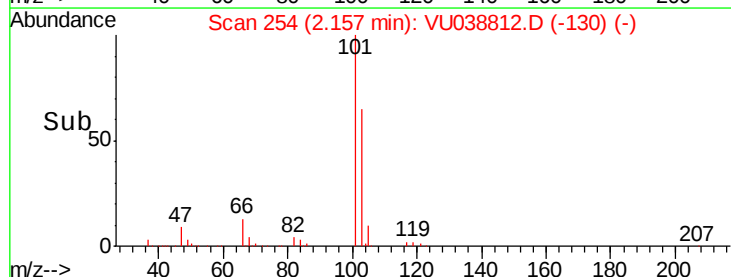
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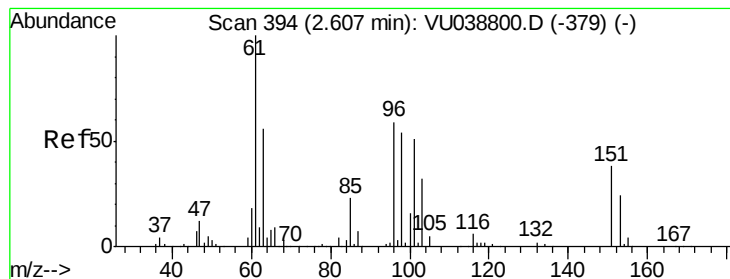
50000

0

2.10 2.15 2.20

Time-->





#10

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

Concen: 38.741 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038812.D

Acq: 11 Jun 2020 05:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

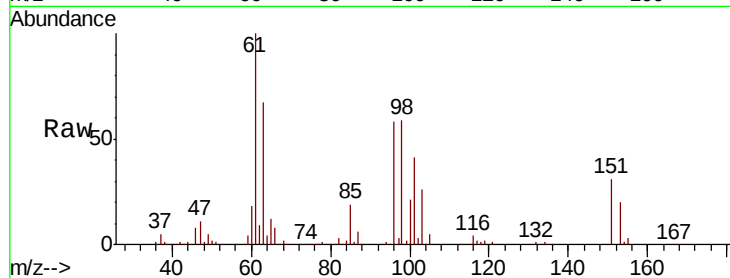
Tot Ion:101 Resp: 135326

Ion Ratio Lower Upper

101 100

85 45.1 35.1 52.7

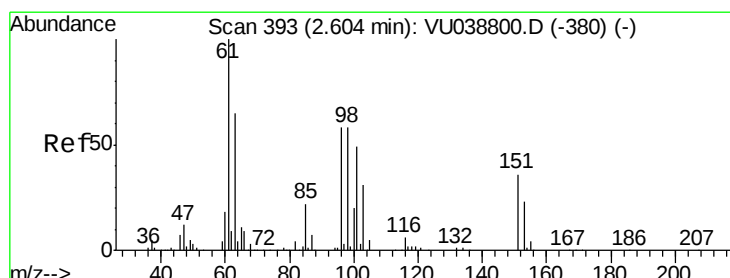
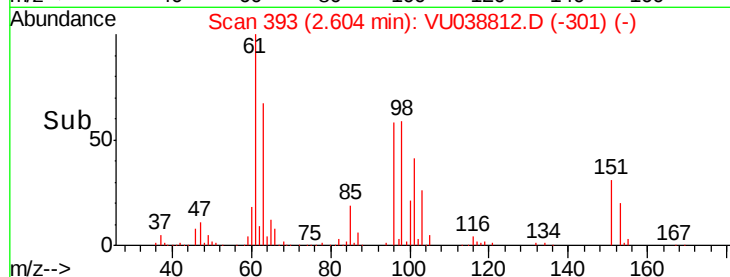
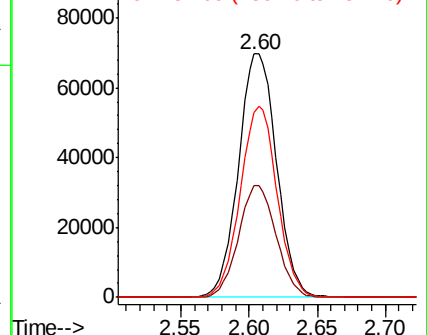
151 75.7 57.4 86.0



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: 46.720 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038812.D

Acq: 11 Jun 2020 05:57

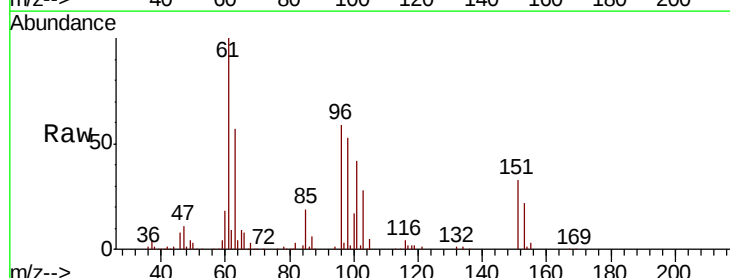
Tgt Ion: 96 Resp: 160847

Ion Ratio Lower Upper

96 100

61 168.8 120.0 223.0

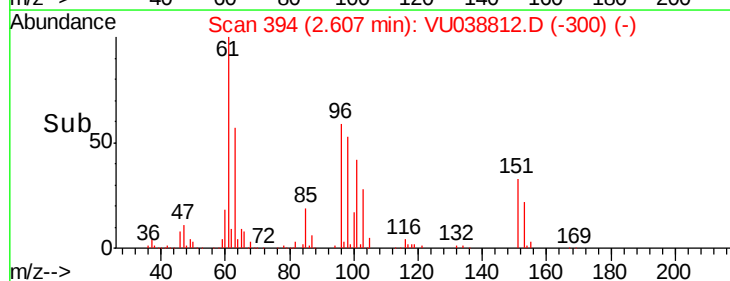
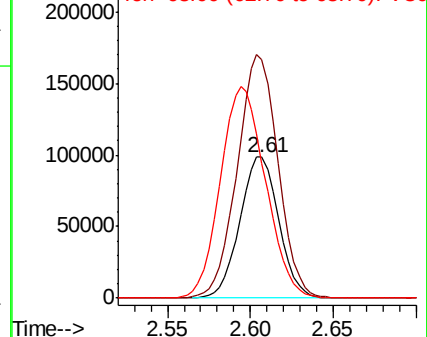
63 95.8 75.8 140.8

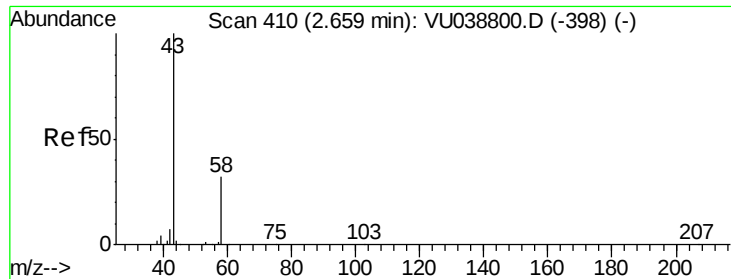


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 103.752 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU038812.D

Acq: 11 Jun 2020 05:57

Instrument :

MSVOA_U

ClientSampleId :

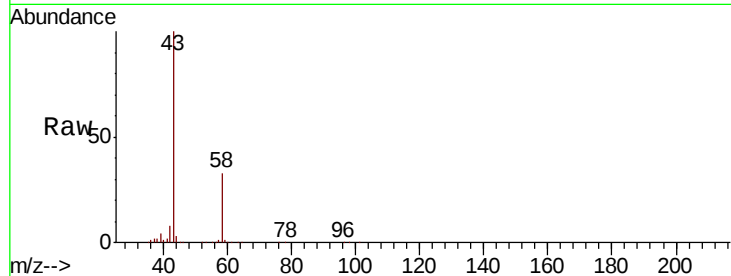
VSTD05051

Tot Ion: 43 Resp: 247175

Ion Ratio Lower Upper

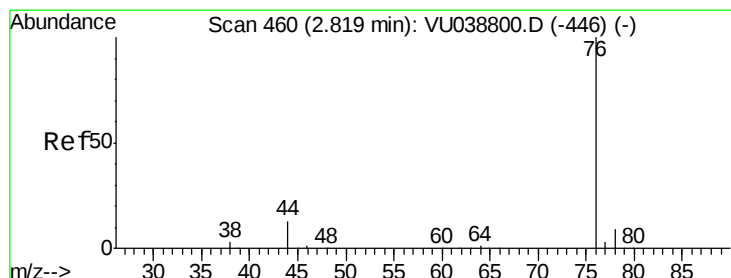
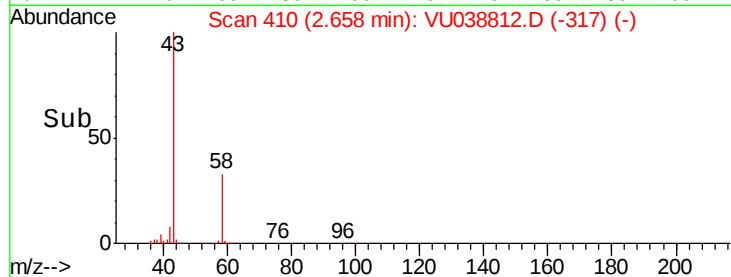
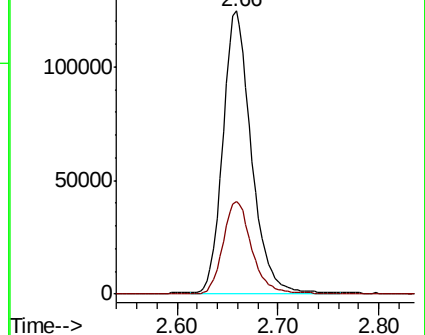
43 100

58 32.7 0.0 67.6



Abundance Ion 43.00 (42.70 to 43.70): VU038812.D (-317) (-)

Ion 58.00 (57.70 to 58.70): VU038812.D (-317) (-)



#14

Carbon disulfide

Concen: 45.727 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038812.D

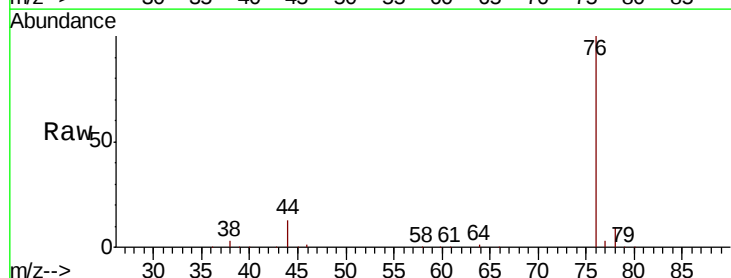
Acq: 11 Jun 2020 05:57

Tgt Ion: 76 Resp: 509780

Ion Ratio Lower Upper

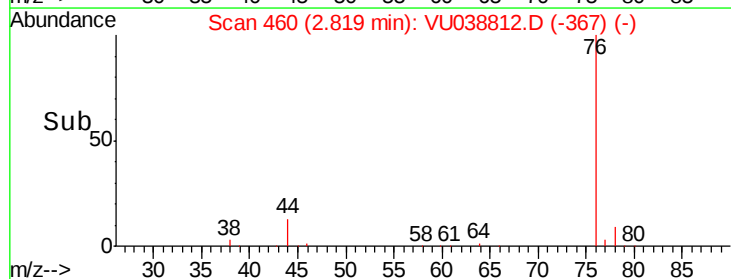
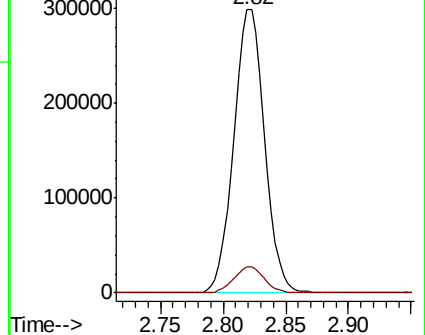
76 100

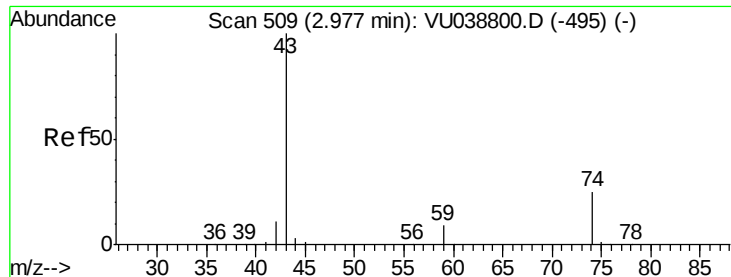
78 9.1 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU038812.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU038812.D (-367) (-)

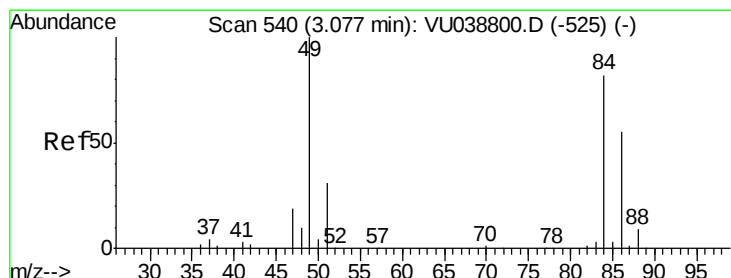
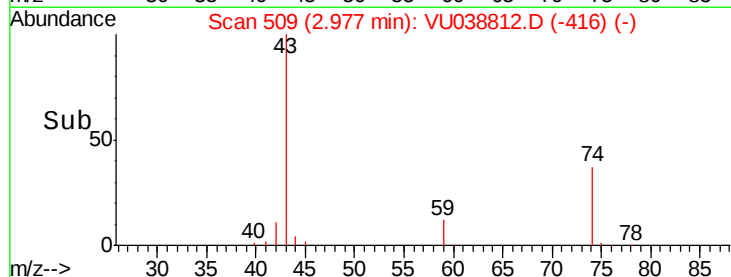
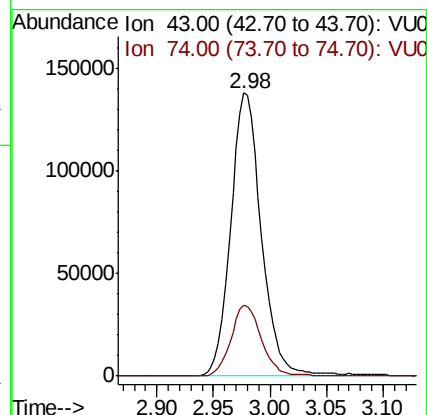
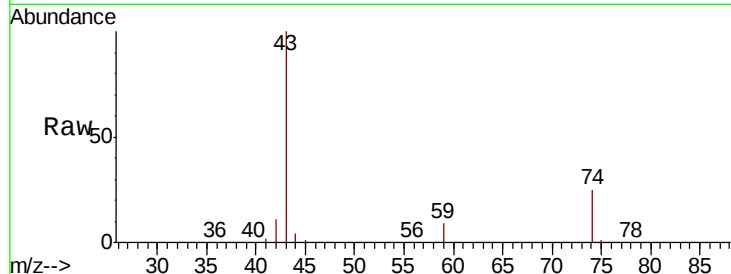




#15
Methvl Acetate
Concen: 52.023 ug/L
RT: 2.98 min Scan# 509
Delta R.T. -0.00 min
Lab File: VU038812.D
Acq: 11 Jun 2020 05:57

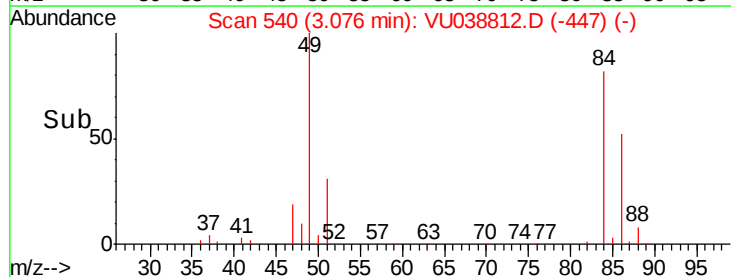
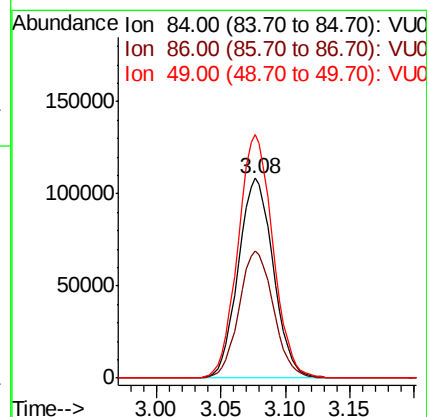
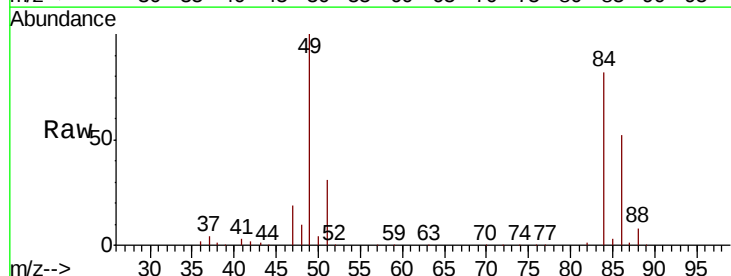
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

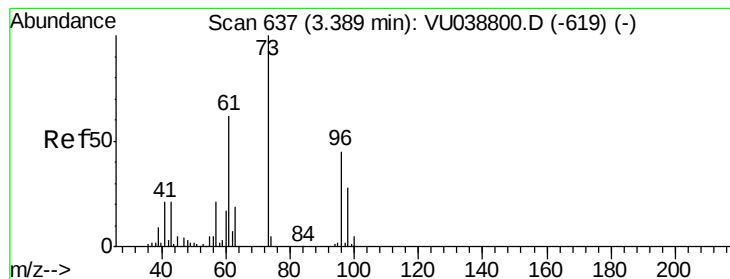
Tot Ion: 43 Resp: 258997
Ion Ratio Lower Upper
43 100
74 25.1 19.7 29.5



#16
Methylene chloride
Concen: 50.293 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU038812.D
Acq: 11 Jun 2020 05:57

Tgt Ion: 84 Resp: 205574
Ion Ratio Lower Upper
84 100
86 63.6 44.7 83.1
49 121.8 84.5 156.9





#17

trans-1,2-Dichloroethene

Concen: 48.096 ug/L

RT: 3.39 min Scan# 636

Delta R.T. -0.00 min

Lab File: VU038812.D

Acq: 11 Jun 2020 05:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

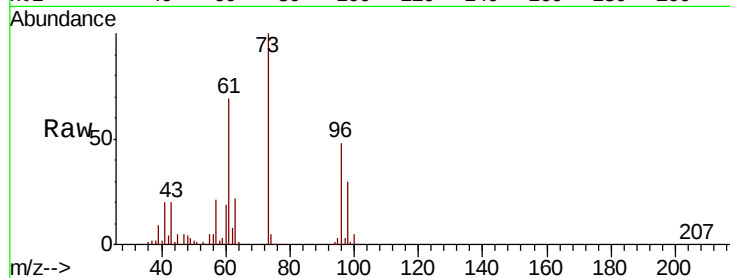
Tot Ion: 96 Resp: 181194

Ion Ratio Lower Upper

96 100

61 145.3 98.2 182.4

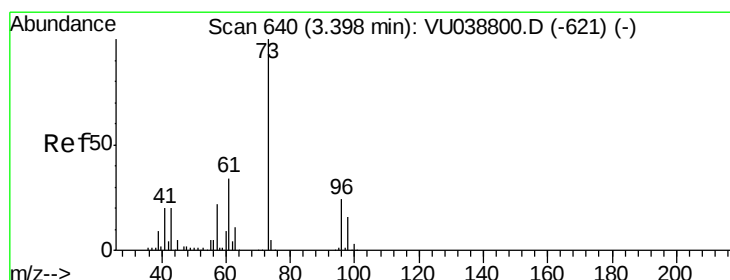
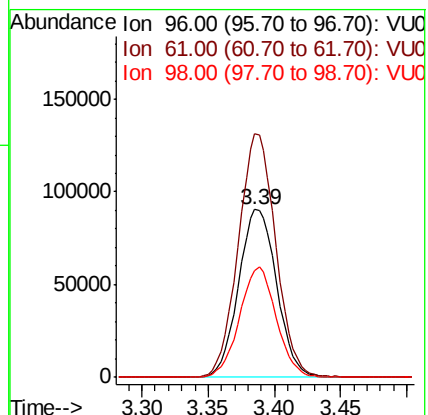
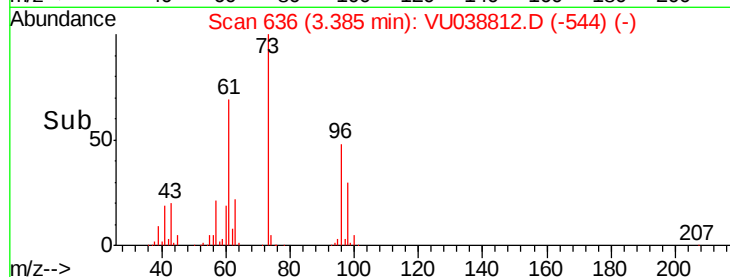
98 63.9 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VU038812.D (-544) (-)

Ion 61.00 (60.70 to 61.70): VU038812.D (-544) (-)

Ion 98.00 (97.70 to 98.70): VU038812.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 52.566 ug/L

RT: 3.40 min Scan# 640

Delta R.T. -0.00 min

Lab File: VU038812.D

Acq: 11 Jun 2020 05:57

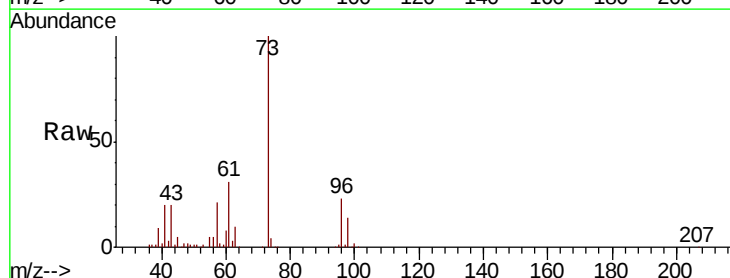
Tgt Ion: 73 Resp: 640304

Ion Ratio Lower Upper

73 100

43 19.8 15.6 23.4

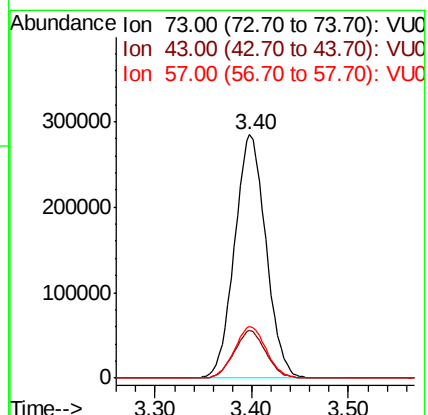
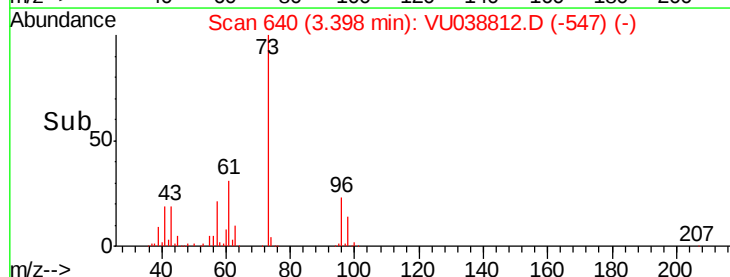
57 21.5 17.2 25.8

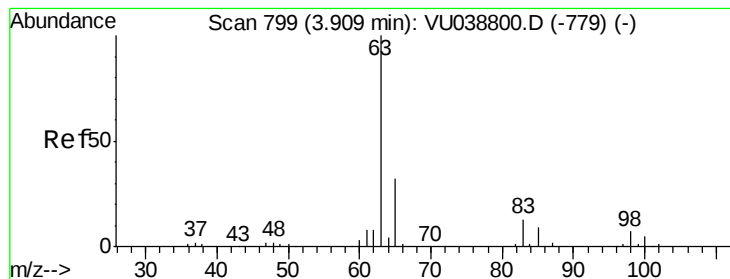


Abundance Ion 73.00 (72.70 to 73.70): VU038812.D (-547) (-)

Ion 43.00 (42.70 to 43.70): VU038812.D (-547) (-)

Ion 57.00 (56.70 to 57.70): VU038812.D (-547) (-)

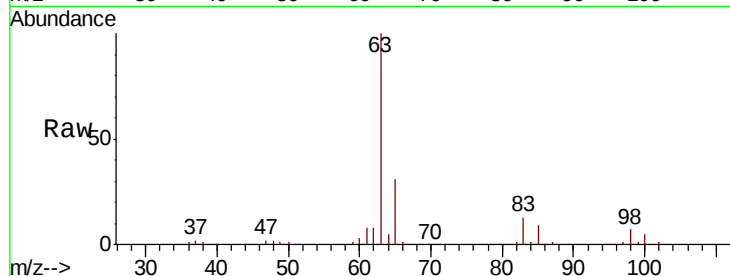




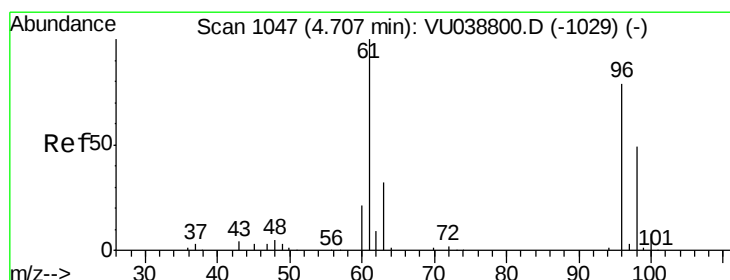
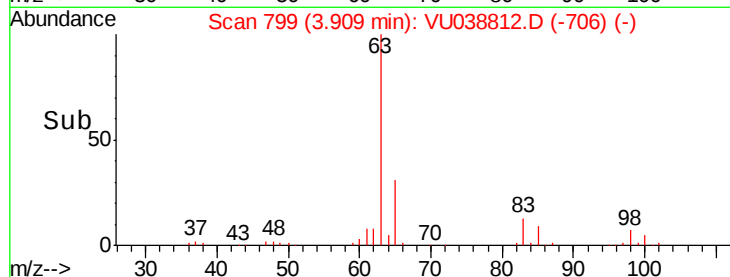
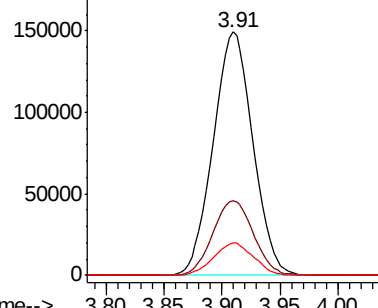
#19
 1,1-Dichloroethane
 Concen: 49.885 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038812.D
 Acq: 11 Jun 2020 05:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Tot Ion: 63 Resp: 356111
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.0 42.8
 83 13.1 9.2 17.2

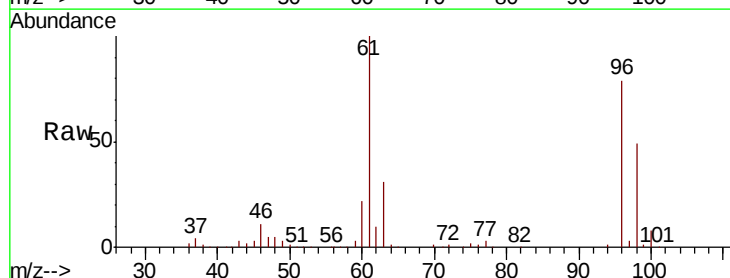


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

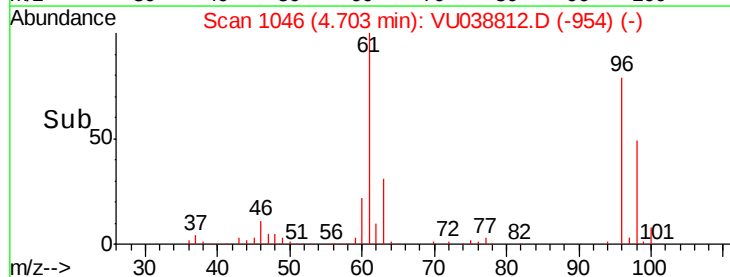
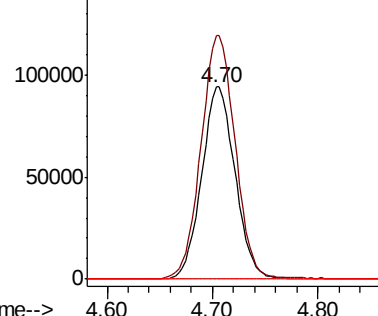


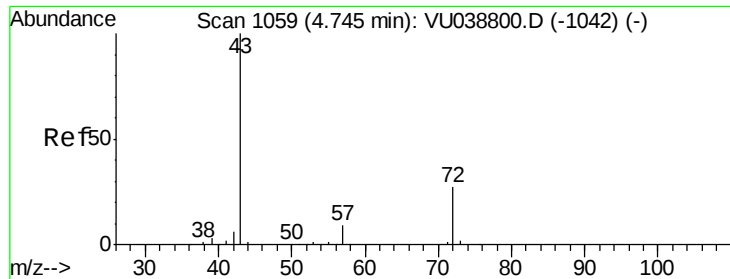
#20
 cis-1,2-Dichloroethene
 Concen: 49.716 ug/L
 RT: 4.70 min Scan# 1046
 Delta R.T. -0.00 min
 Lab File: VU038812.D
 Acq: 11 Jun 2020 05:57

Tgt Ion: 96 Resp: 207043
 Ion Ratio Lower Upper
 96 100
 61 126.4 89.5 166.1
 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

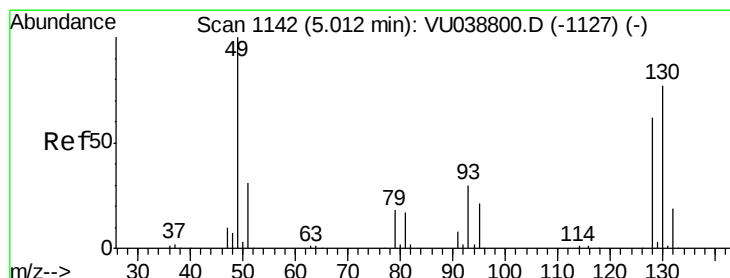
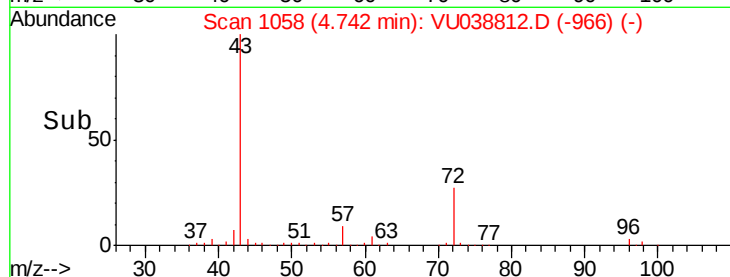
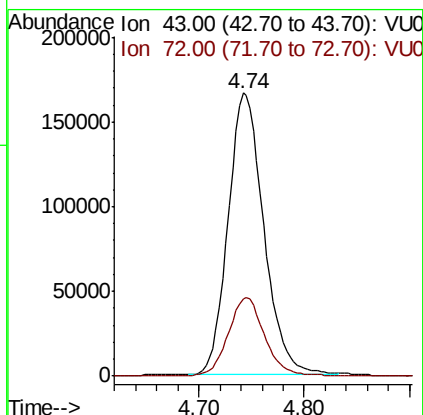
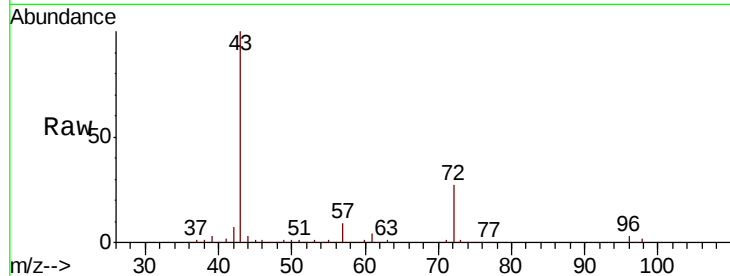




#22
2-Butanone
Concen: 106.844 ug/L
RT: 4.74 min Scan# 1058
Delta R.T. -0.00 min
Lab File: VU038812.D
Acq: 11 Jun 2020 05:57

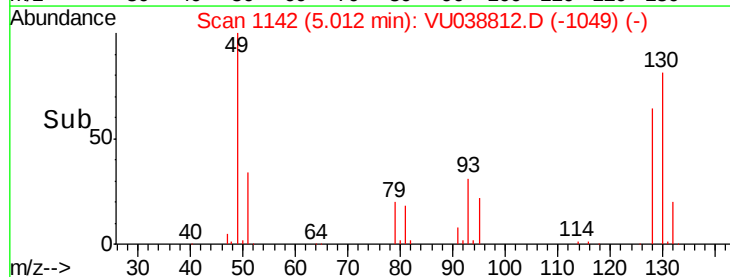
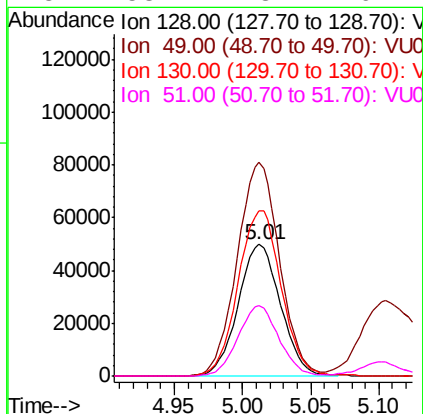
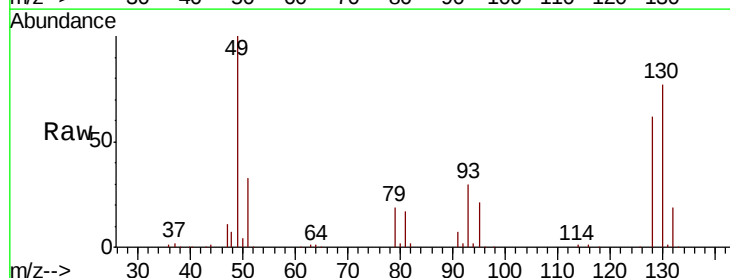
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

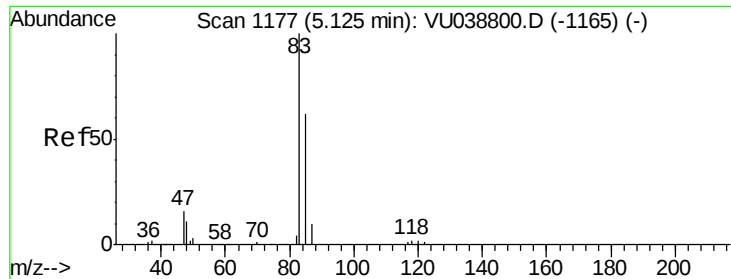
Tot Ion: 43 Resp: 390355
Ion Ratio Lower Upper
43 100
72 28.6 14.1 42.3



#23
Bromochloromethane
Concen: 52.197 ug/L
RT: 5.01 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU038812.D
Acq: 11 Jun 2020 05:57

Tgt Ion:128 Resp: 107669
Ion Ratio Lower Upper
128 100
49 162.1 118.6 220.2
130 125.5 92.5 171.7
51 53.7 43.1 64.7

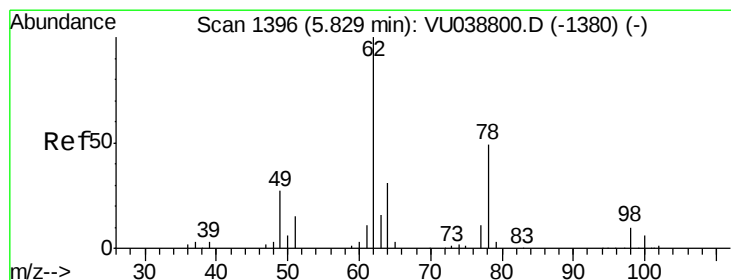
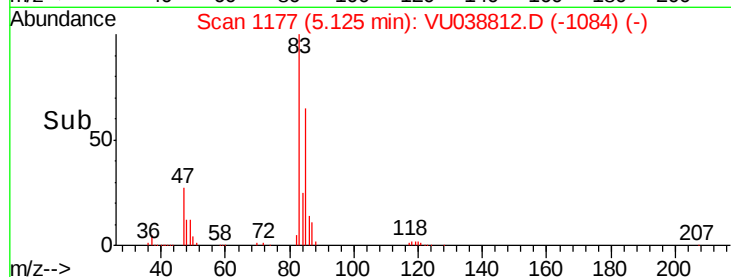
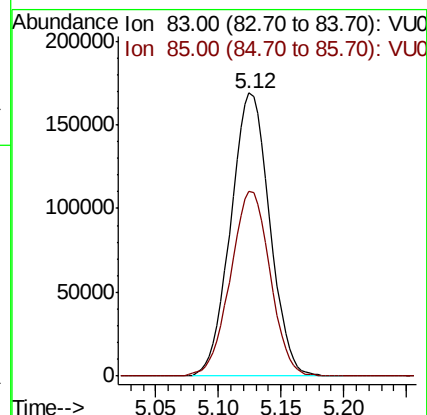
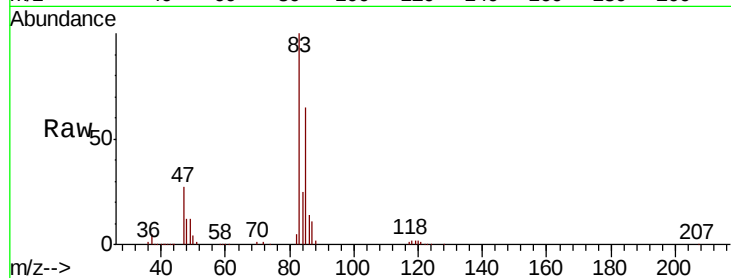




#25
Chloroform
Concen: 51.097 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038812.D
Acq: 11 Jun 2020 05:57

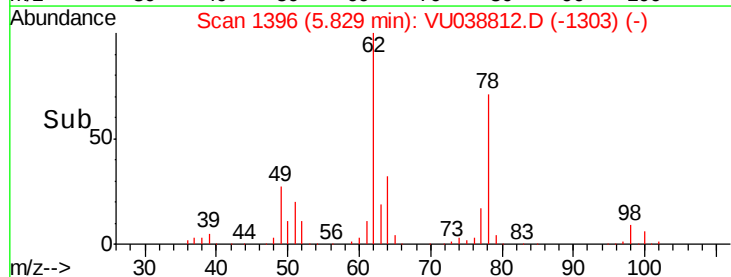
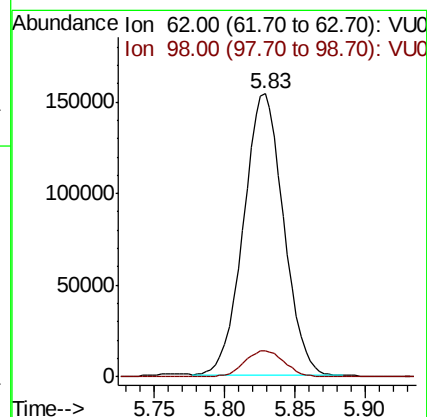
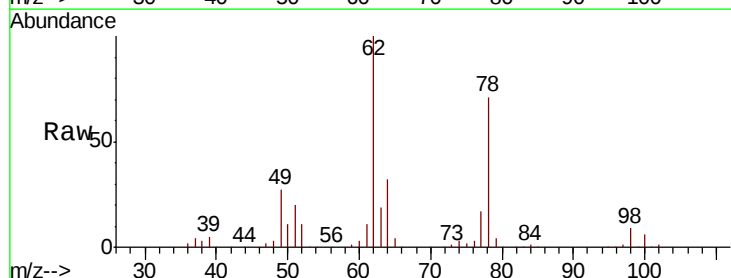
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

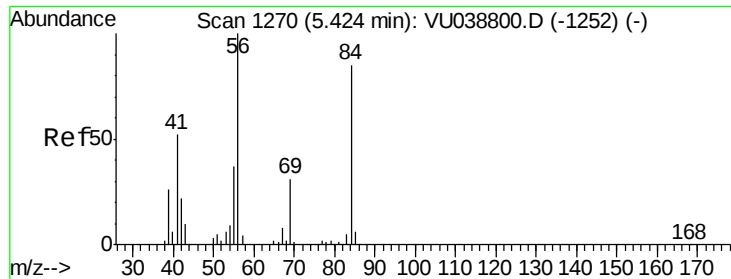
Tot Ion: 83 Resp: 365057
Ion Ratio Lower Upper
83 100
85 65.5 47.0 87.4



#27
1,2-Dichloroethane
Concen: 52.004 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038812.D
Acq: 11 Jun 2020 05:57

Tgt Ion: 62 Resp: 307354
Ion Ratio Lower Upper
62 100
98 9.2 7.8 11.6

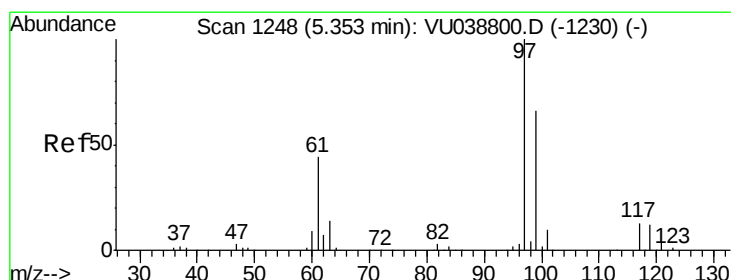
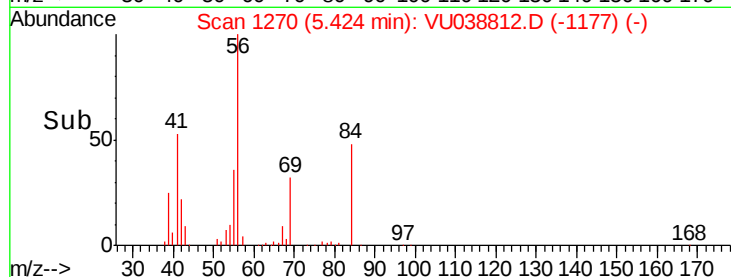
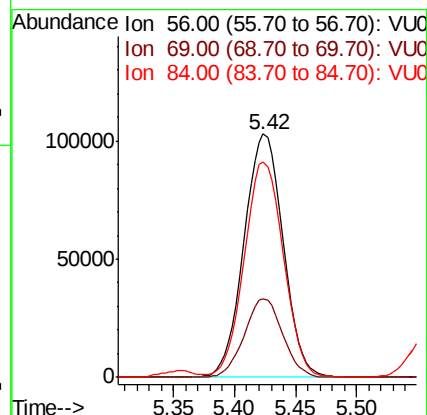
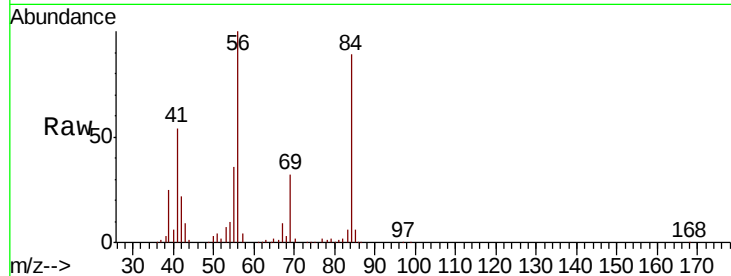




#29
Cyclohexane
Concen: 37.591 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU038812.D
Acq: 11 Jun 2020 05:57

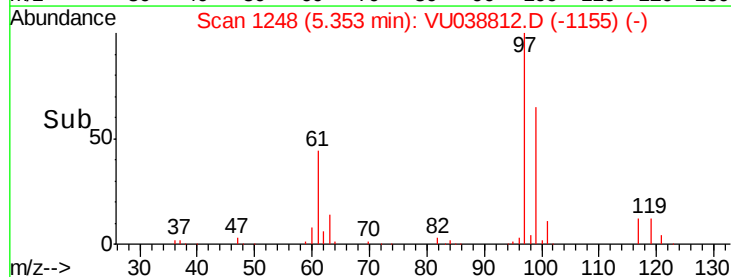
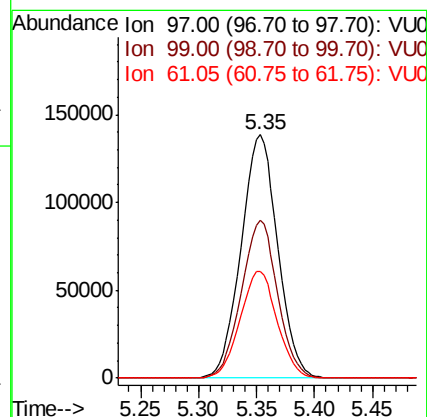
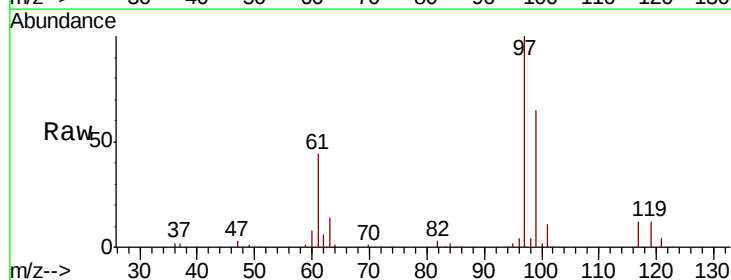
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

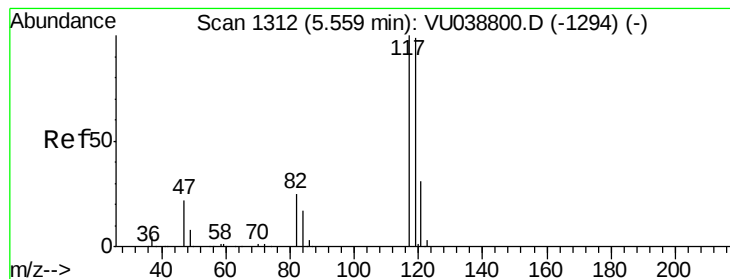
Tot Ion: 56 Resp: 228427
Ion Ratio Lower Upper
56 100
69 31.6 25.1 37.7
84 89.0 70.5 105.7



#30
1,1,1-Trichloroethane
Concen: 48.720 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU038812.D
Acq: 11 Jun 2020 05:57

Tgt Ion: 97 Resp: 304057
Ion Ratio Lower Upper
97 100
99 64.1 51.6 77.4
61 44.2 35.2 52.8





#31

Carbon tetrachloride

Concen: 46.460 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038812.D

Acq: 11 Jun 2020 05:57

Instrument :

MSVOA_U

ClientSampleId :

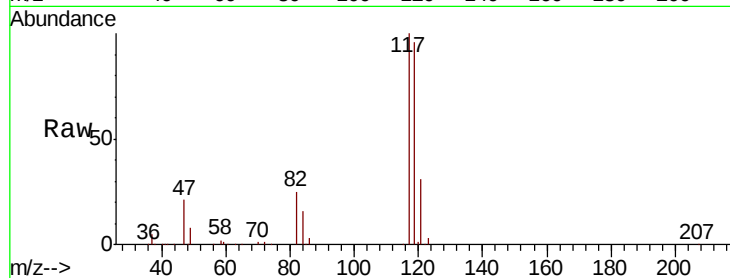
VSTD05051

Tot Ion:117 Resp: 240031

Ion Ratio Lower Upper

117 100

119 95.2 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.56

120000

100000

80000

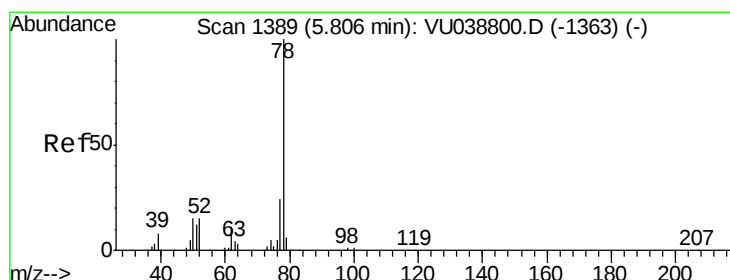
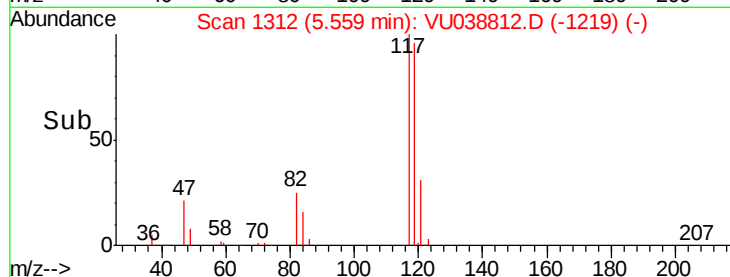
60000

40000

20000

0

Time--> 5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 49.972 ug/L

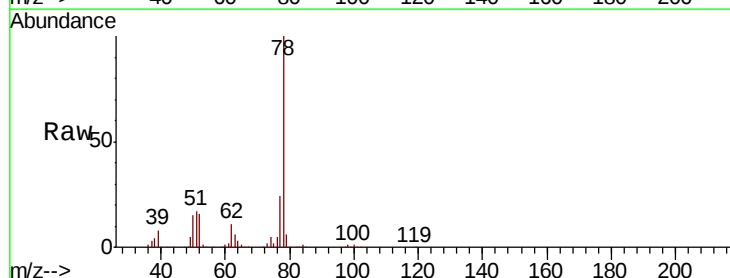
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VU038812.D

Acq: 11 Jun 2020 05:57

Tgt Ion: 78 Resp: 788184



Abundance Ion 78.00 (77.70 to 78.70): VU0

400000

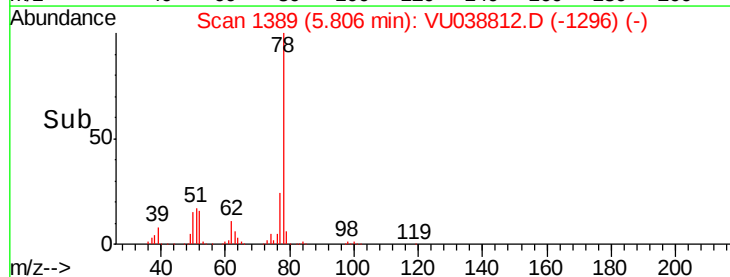
300000

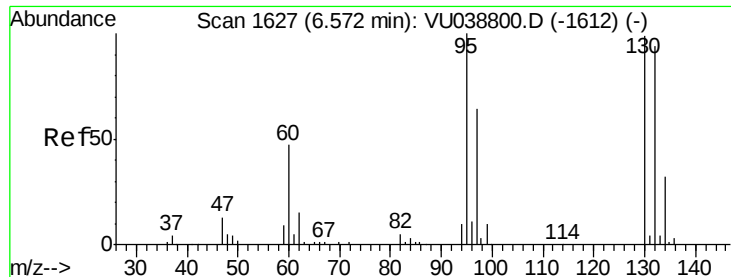
200000

100000

0

Time--> 5.70 5.80 5.90

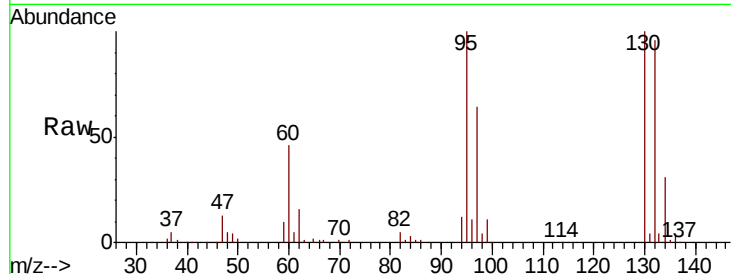




#34
 Trichloroethene
 Concen: 47.915 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038812.D
 Acq: 11 Jun 2020 05:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Tot Ion:	95	Resp:	192209
Ion	Ratio	Lower	Upper
95	100		
97	63.9	44.4	82.4
132	95.5	64.9	120.5
130	99.8	68.6	127.4



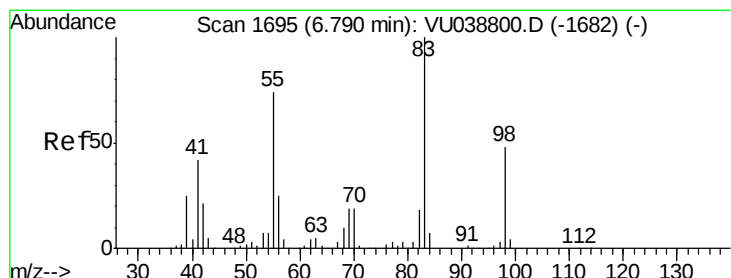
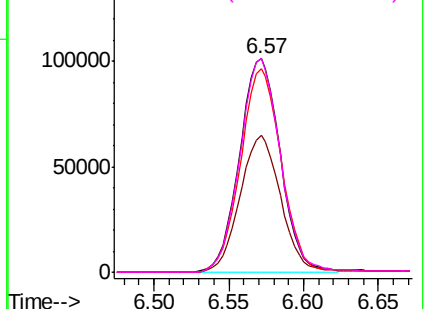
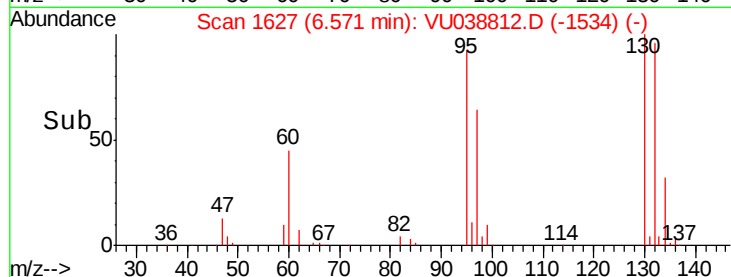
Abundance

Ion 95.00 (94.70 to 95.70): VU038812.D (-1612) (-)

Ion 97.00 (96.70 to 97.70): VU038812.D (-1612) (-)

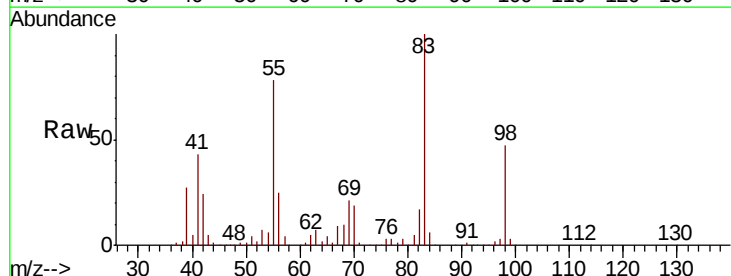
Ion 132.00 (131.70 to 132.70): VU038812.D (-1612) (-)

Ion 130.00 (129.70 to 130.70): VU038812.D (-1612) (-)



#35
 Methylcyclohexane
 Concen: 35.919 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU038812.D
 Acq: 11 Jun 2020 05:57

Tgt Ion:	83	Resp:	217300
Ion	Ratio	Lower	Upper
83	100		
55	78.8	63.2	94.8
98	48.3	38.4	57.6

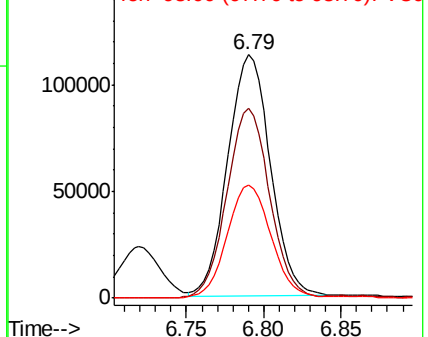
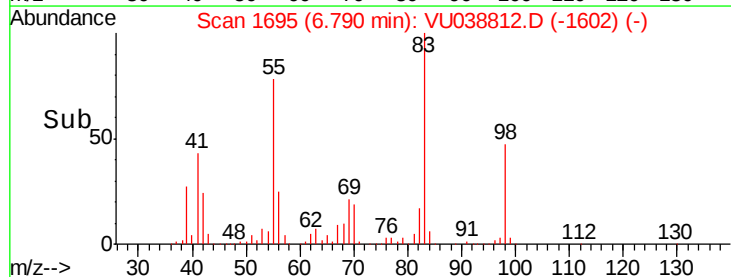


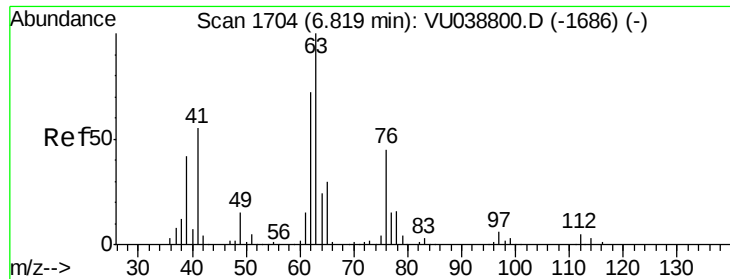
Abundance

Ion 83.00 (82.70 to 83.70): VU038812.D (-1682) (-)

Ion 55.00 (54.70 to 55.70): VU038812.D (-1682) (-)

Ion 98.00 (97.70 to 98.70): VU038812.D (-1682) (-)

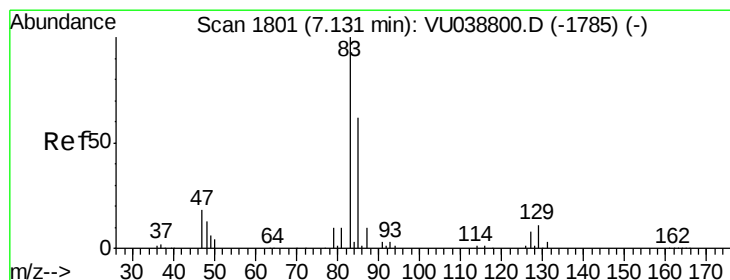
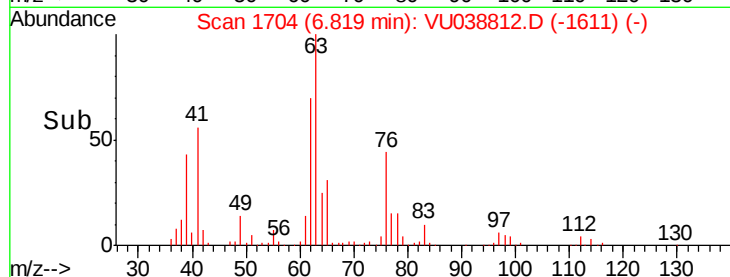
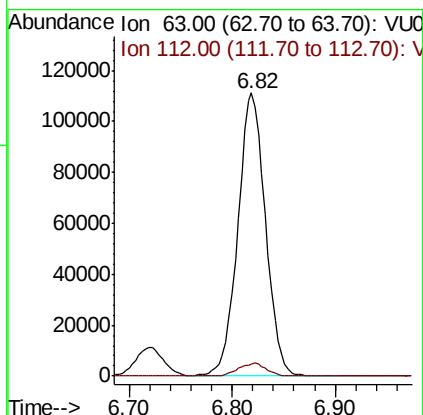
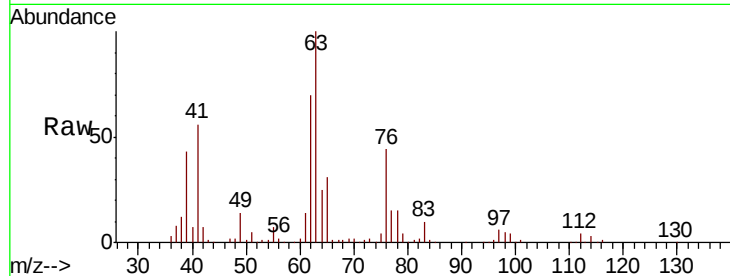




#37
 1,2-Dichloropropane
 Concen: 50.373 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VU038812.D
 Acq: 11 Jun 2020 05:57

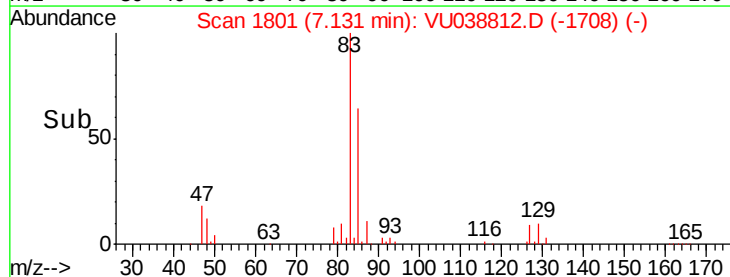
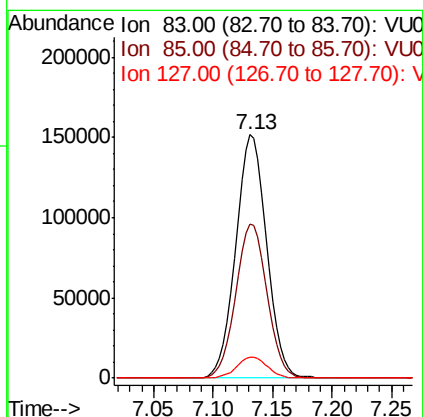
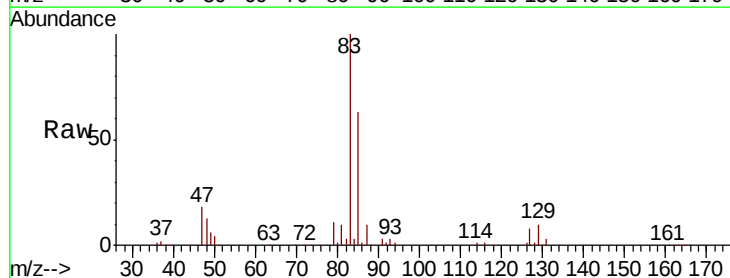
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

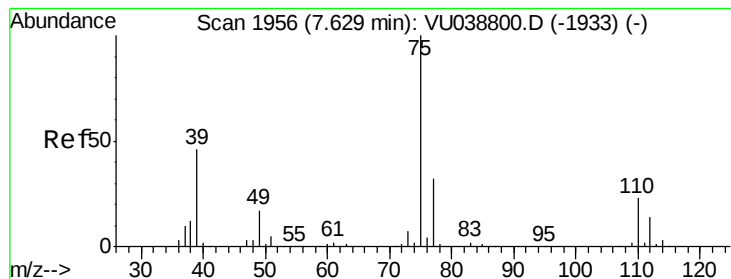
Tot Ion: 63 Resp: 207036
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.4 5.2



#38
 Bromodichloromethane
 Concen: 51.869 ug/L
 RT: 7.13 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VU038812.D
 Acq: 11 Jun 2020 05:57

Tgt Ion: 83 Resp: 273292
 Ion Ratio Lower Upper
 83 100
 85 63.3 45.1 83.9
 127 8.3 7.0 10.4



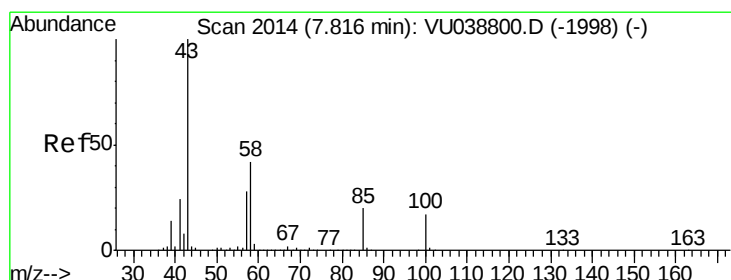
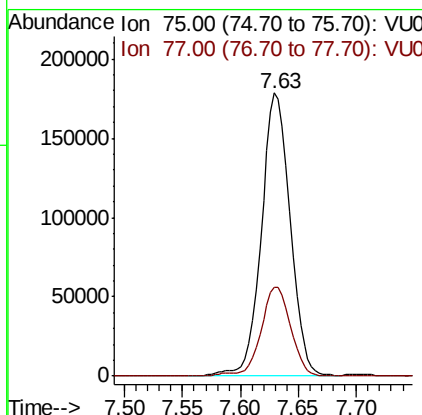
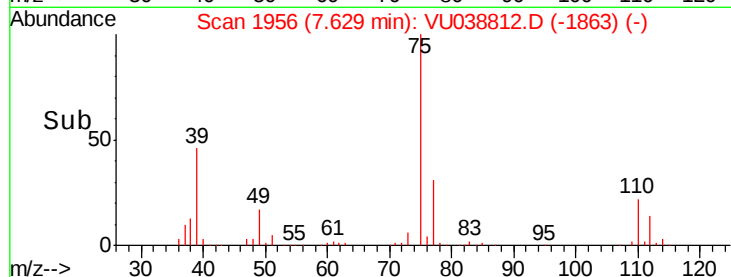
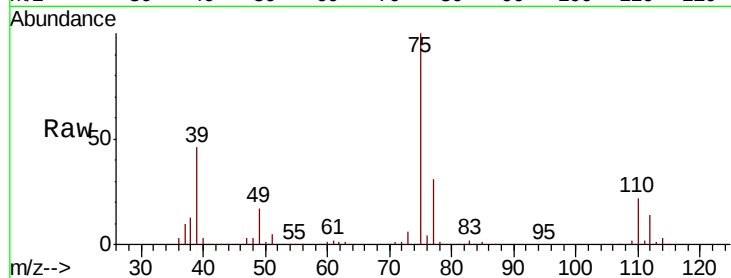


#39

cis-1,3-Dichloropropene
Concen: 48.850 ug/L
RT: 7.63 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VU038812.D
Acq: 11 Jun 2020 05:57

Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

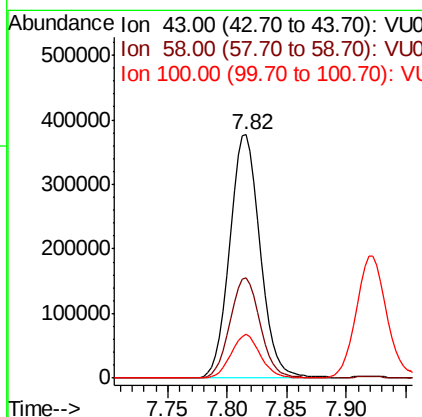
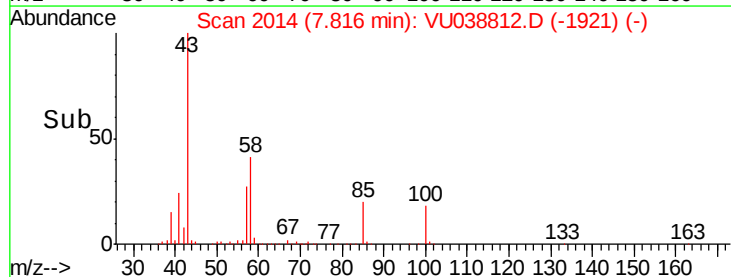
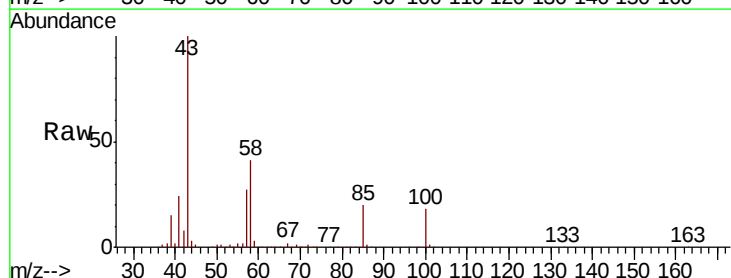
Tot Ion: 75 Resp: 309639
Ion Ratio Lower Upper
75 100
77 31.4 22.2 41.2

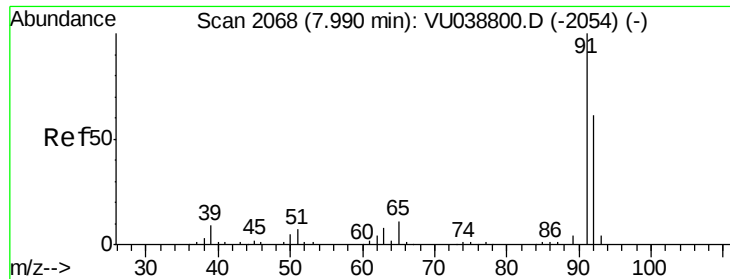


#40

4-Methyl-2-pentanone
Concen: 104.269 ug/L
RT: 7.82 min Scan# 2014
Delta R.T. -0.00 min
Lab File: VU038812.D
Acq: 11 Jun 2020 05:57

Tgt Ion: 43 Resp: 669968
Ion Ratio Lower Upper
43 100
58 41.1 33.0 49.4
100 17.3 13.4 20.0





#42

Toluene

Concen: 48.542 ug/L

RT: 7.99 min Scan# 2068

Delta R.T. -0.00 min

Lab File: VU038812.D

Acq: 11 Jun 2020 05:57

Instrument :

MSVOA_U

ClientSampleId :

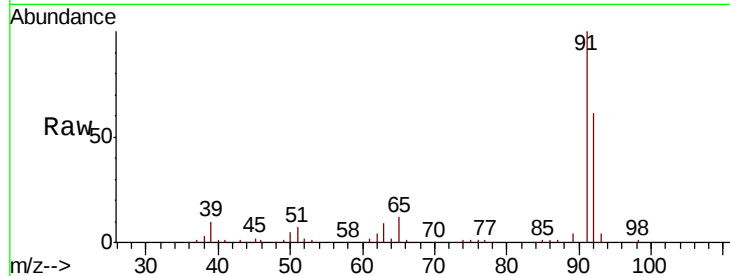
VSTD05051

Tot Ion: 91 Resp: 800538

Ion Ratio Lower Upper

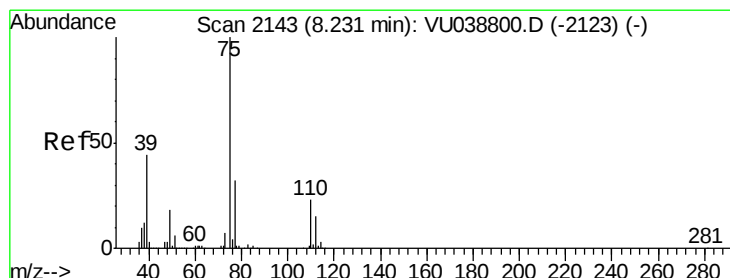
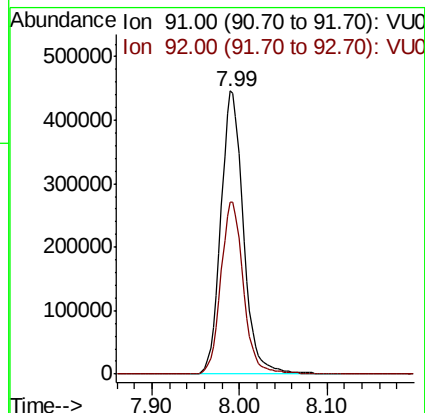
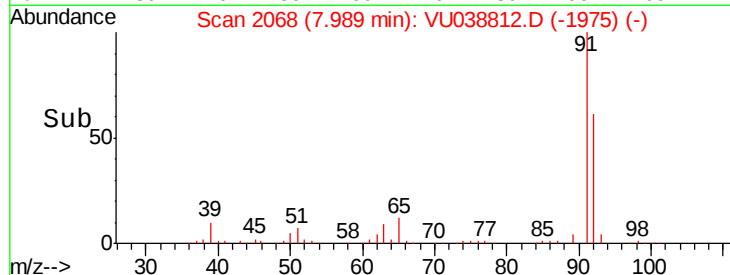
91 100

92 60.6 42.2 78.4



Abundance Ion 91.00 (90.70 to 91.70): VU038812.D (-1975) (-)

Ion 92.00 (91.70 to 92.70): VU038812.D (-1975) (-)



#44

trans-1,3-Dichloropropene

Concen: 49.856 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU038812.D

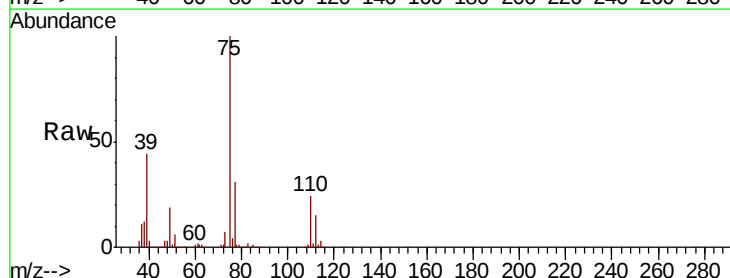
Acq: 11 Jun 2020 05:57

Tgt Ion: 75 Resp: 302694

Ion Ratio Lower Upper

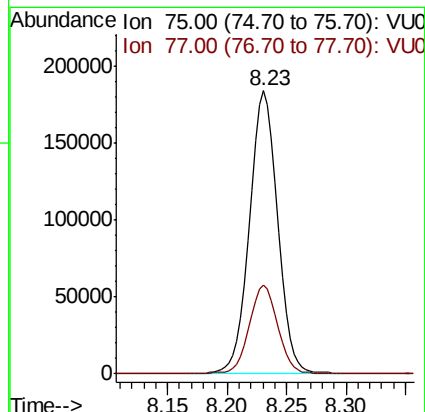
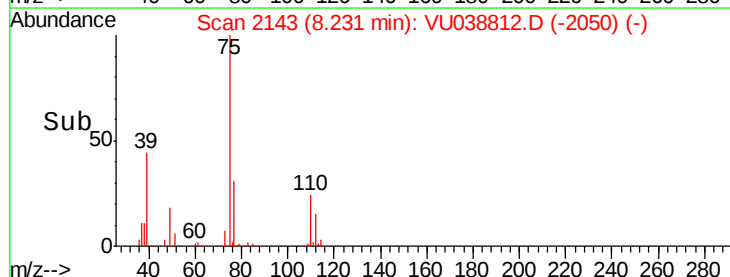
75 100

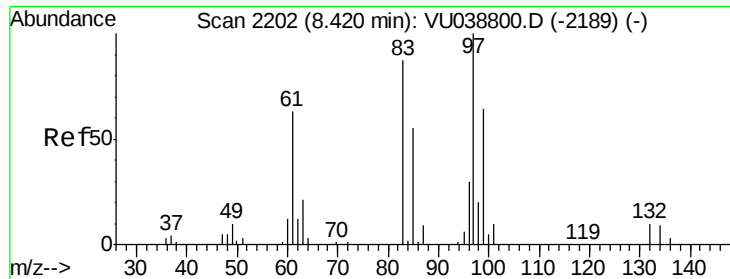
77 31.2 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VU038812.D (-2050) (-)

Ion 77.00 (76.70 to 77.70): VU038812.D (-2050) (-)

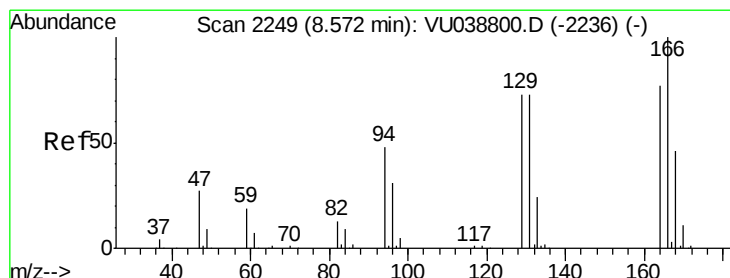
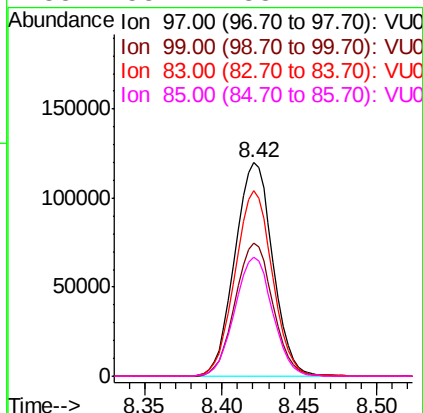
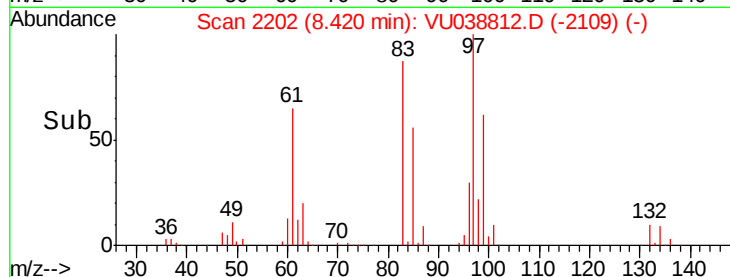
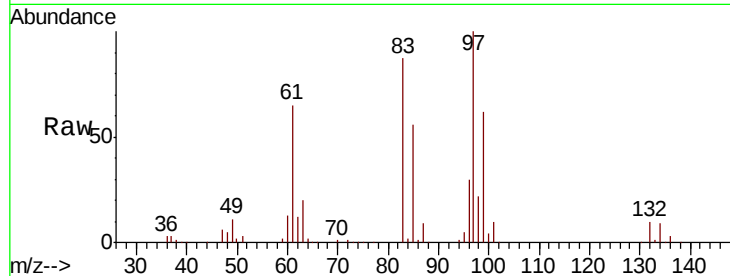




#45
1,1,2-Trichloroethane
Concen: 51.959 ug/L
RT: 8.42 min Scan# 2202
Delta R.T. -0.00 min
Lab File: VU038812.D
Acq: 11 Jun 2020 05:57

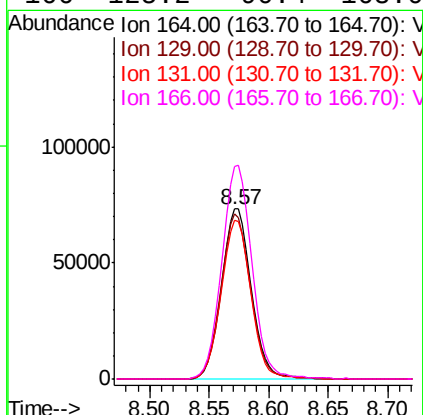
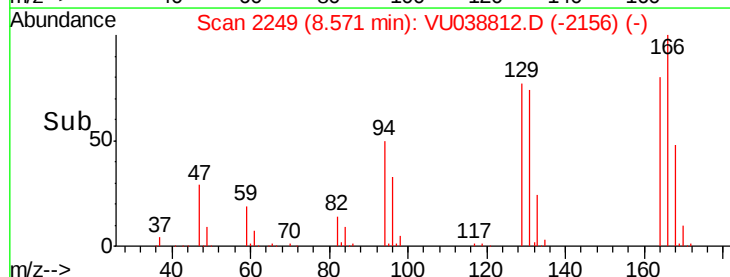
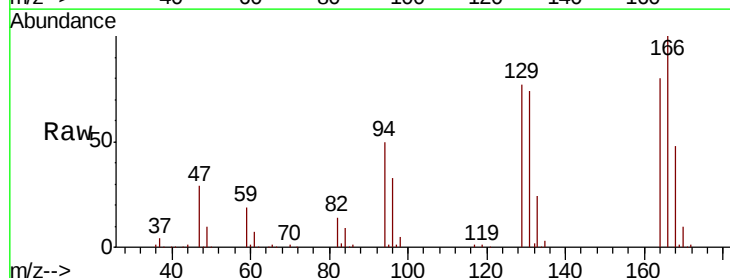
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

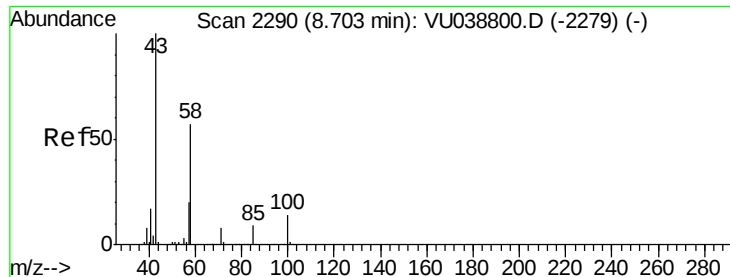
Tot Ion:	97	Resp:	205548
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.6	81.0
83	86.6	60.0	111.4
85	55.7	38.4	71.2



#46
Tetrachloroethene
Concen: 43.996 ug/L
RT: 8.57 min Scan# 2249
Delta R.T. -0.00 min
Lab File: VU038812.D
Acq: 11 Jun 2020 05:57

Tgt Ion:	164	Resp:	127326
Ion	Ratio	Lower	Upper
164	100		
129	97.0	67.2	124.8
131	93.1	65.5	121.6
166	125.2	90.4	168.0

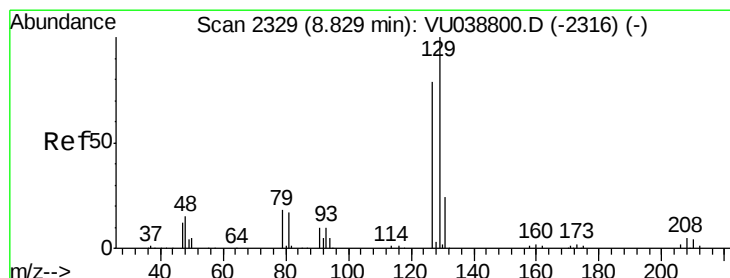
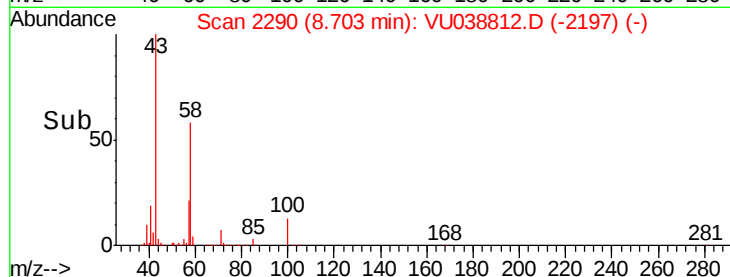
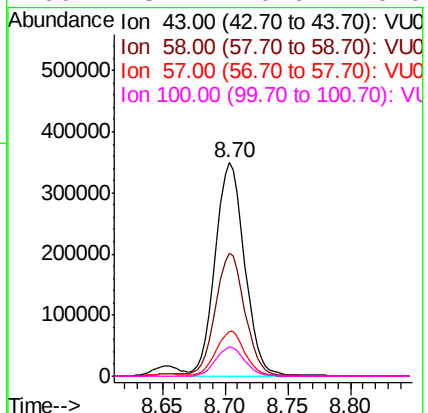
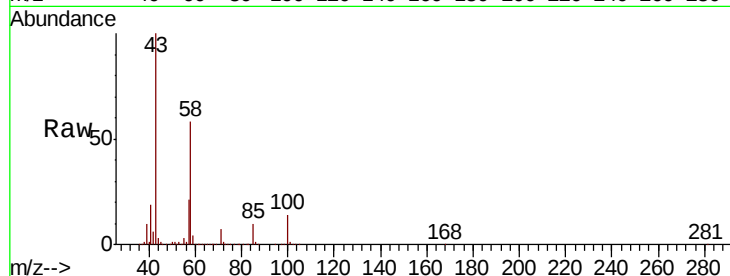




#48
2-Hexanone
Concen: 106.996 ug/L
RT: 8.70 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU038812.D
Acq: 11 Jun 2020 05:57

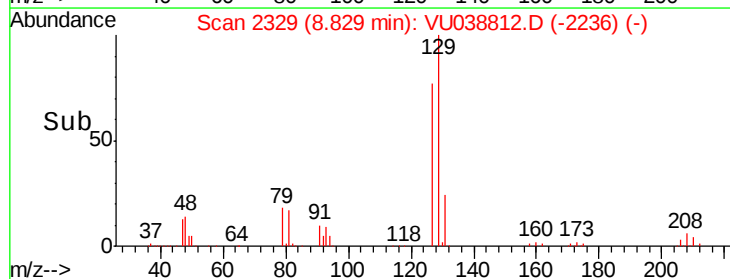
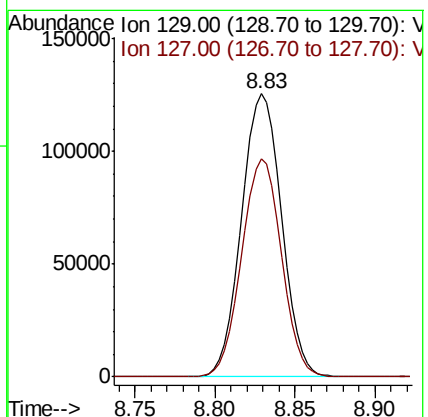
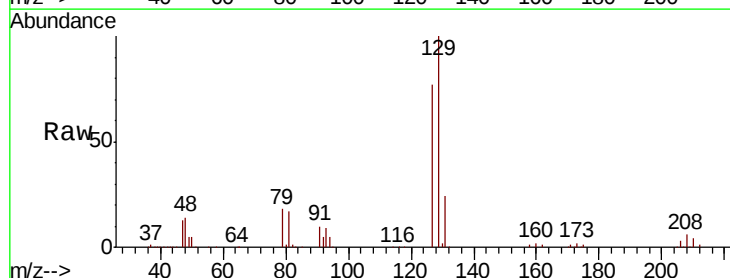
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

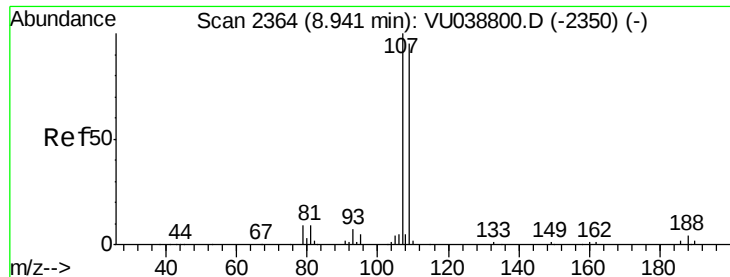
Tot Ion: 43 Resp: 568310
Ion Ratio Lower Upper
43 100
58 58.1 46.2 69.4
57 20.8 16.6 24.8
100 13.7 10.6 16.0



#49
Dibromochloromethane
Concen: 52.901 ug/L
RT: 8.83 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VU038812.D
Acq: 11 Jun 2020 05:57

Tgt Ion: 129 Resp: 214923
Ion Ratio Lower Upper
129 100
127 77.3 55.8 103.6

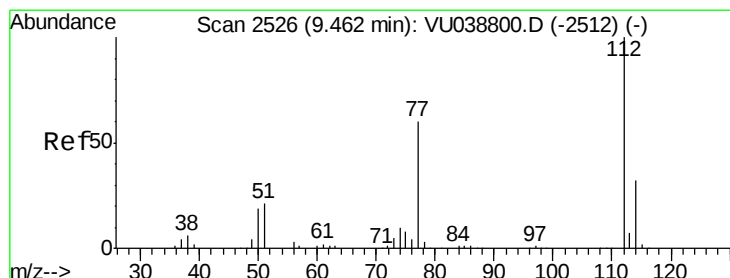
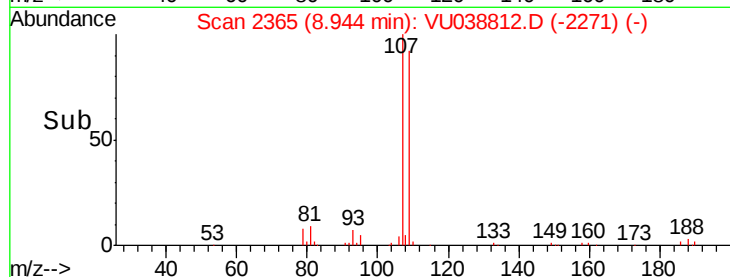
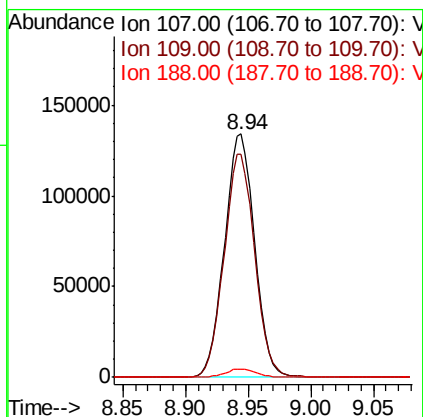
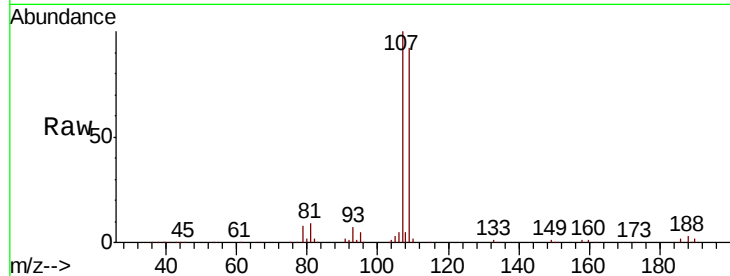




#50
 1,2-Dibromoethane
 Concen: 52.538 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. 0.00 min
 Lab File: VU038812.D
 Acq: 11 Jun 2020 05:57

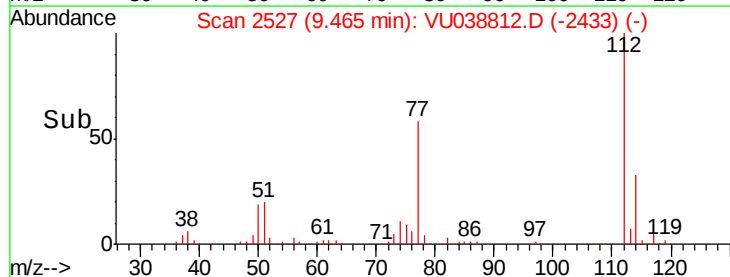
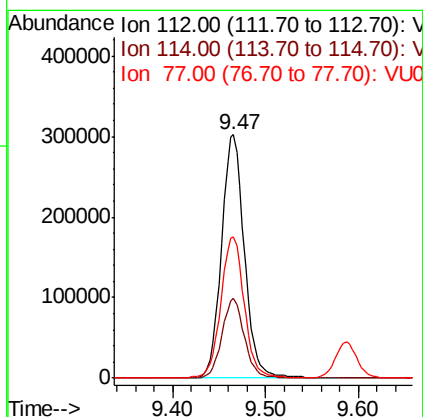
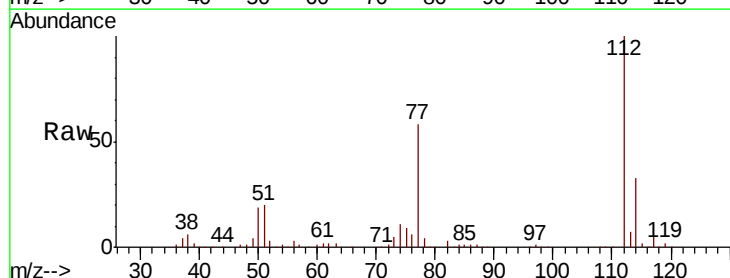
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

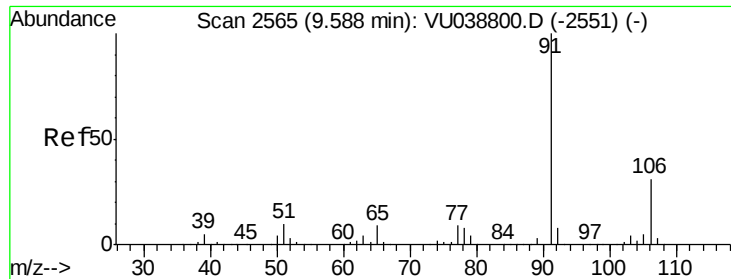
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.5	65.9	122.5
188	3.4	2.9	4.3



#51
 Chlorobenzene
 Concen: 48.675 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: VU038812.D
 Acq: 11 Jun 2020 05:57

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.2	41.2
77	58.0	47.9	71.9





#52

Ethylbenzene

Concen: 46.274 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038812.D

Acq: 11 Jun 2020 05:57

Instrument :

MSVOA_U

ClientSampleId :

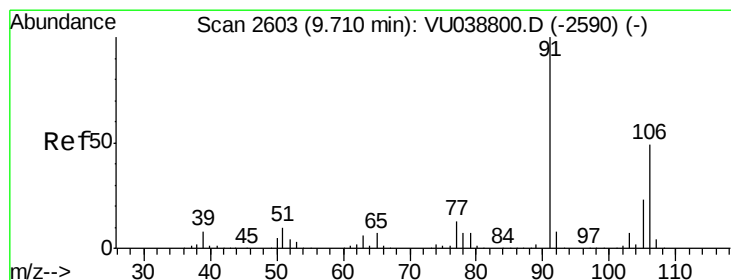
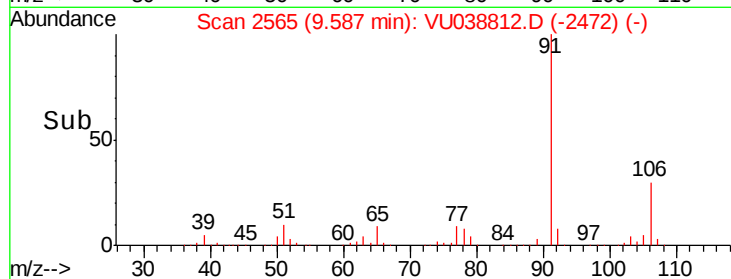
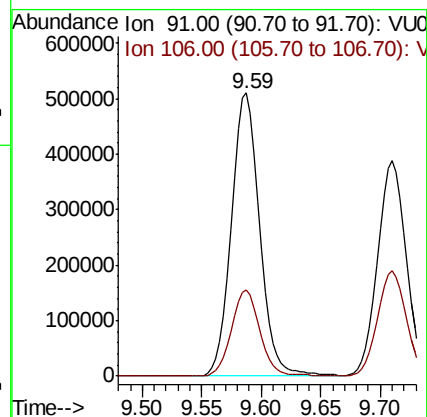
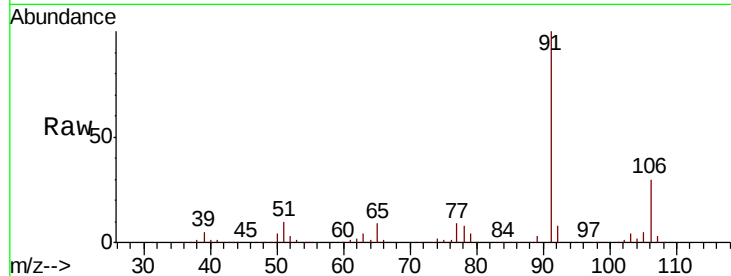
VSTD05051

Tot Ion: 91 Resp: 842235

Ion Ratio Lower Upper

91 100

106 30.4 21.5 39.9



#53

m,p-Xylene

Concen: 46.169 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038812.D

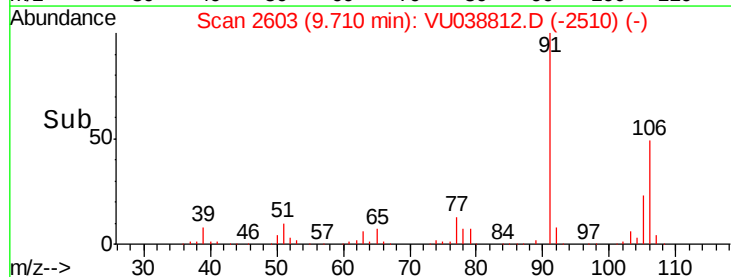
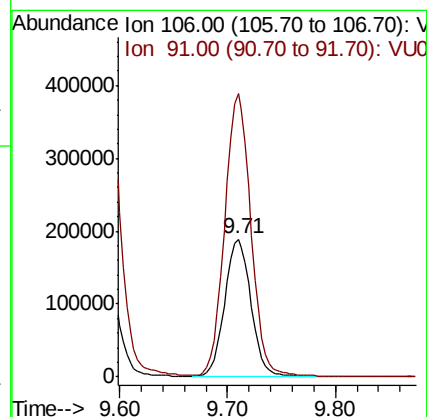
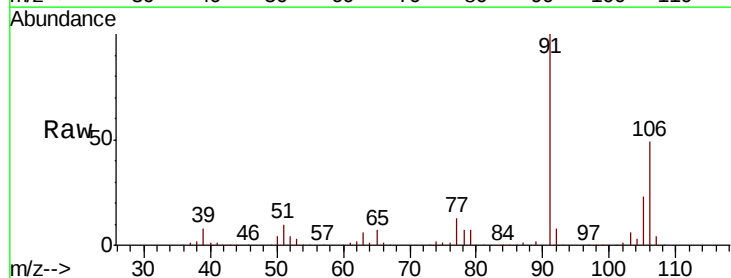
Acq: 11 Jun 2020 05:57

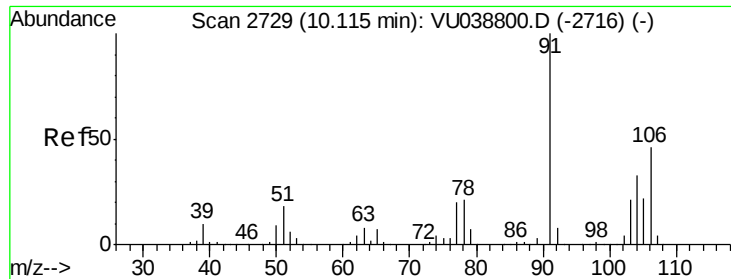
Tgt Ion: 106 Resp: 322569

Ion Ratio Lower Upper

106 100

91 205.4 140.1 260.3

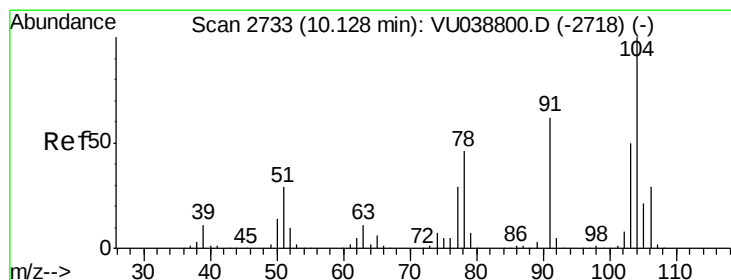
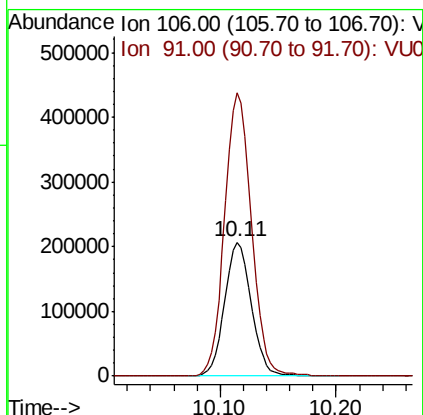
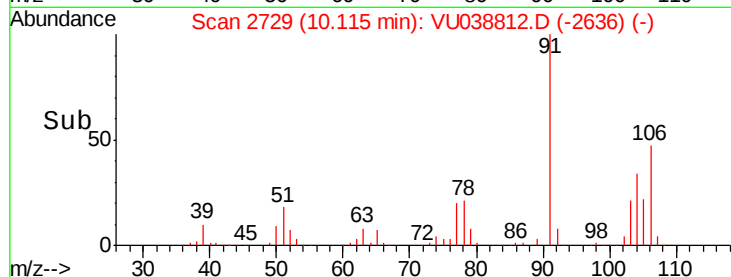
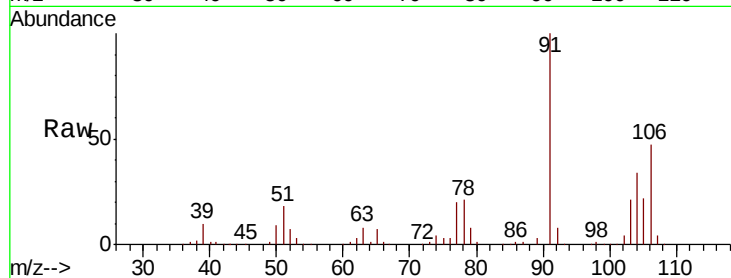




#54
o-xylene
Concen: 48.526 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU038812.D
Acq: 11 Jun 2020 05:57

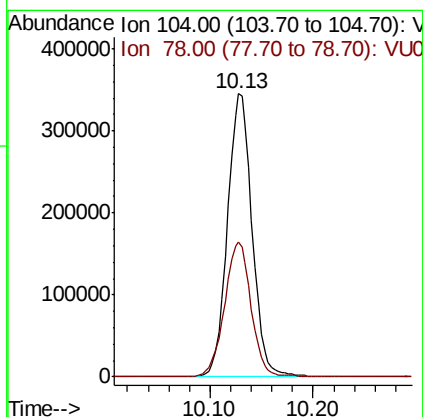
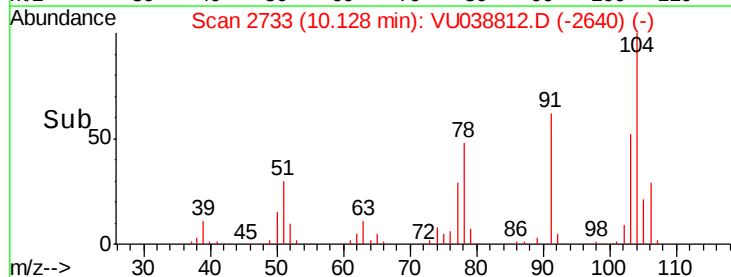
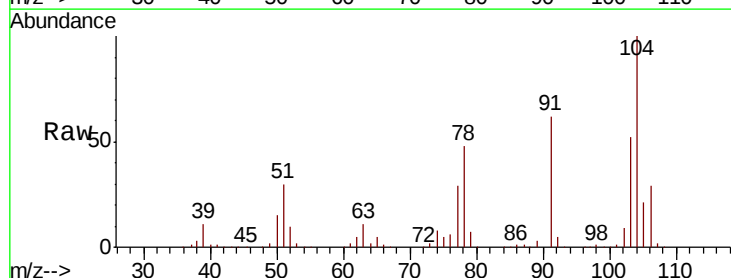
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

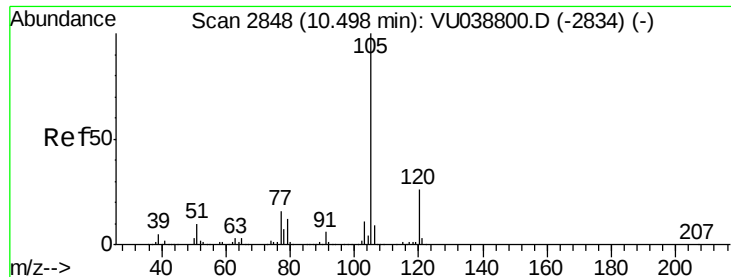
Tot Ion:106 Resp: 329129
Ion Ratio Lower Upper
106 100
91 211.2 151.2 280.8



#55
Styrene
Concen: 48.875 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU038812.D
Acq: 11 Jun 2020 05:57

Tgt Ion:104 Resp: 574676
Ion Ratio Lower Upper
104 100
78 47.6 31.6 58.6





#56

Isopropylbenzene

Concen: 44.310 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VU038812.D

Acq: 11 Jun 2020 05:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

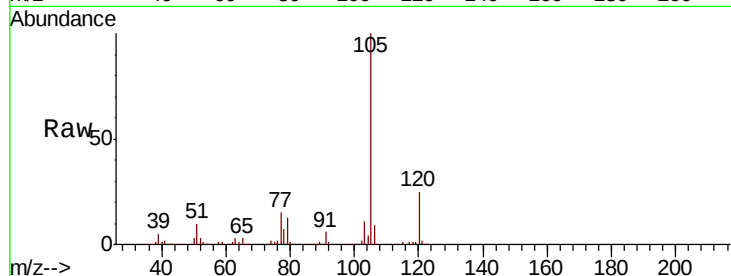
Tot Ion:105 Resp: 784381

Ion Ratio Lower Upper

105 100

120 25.5 20.9 31.3

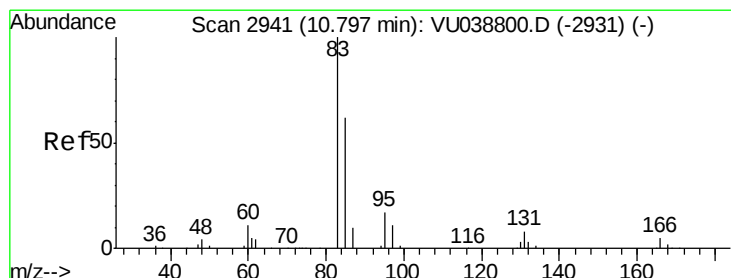
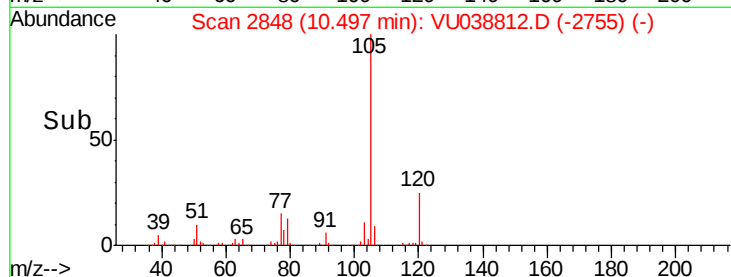
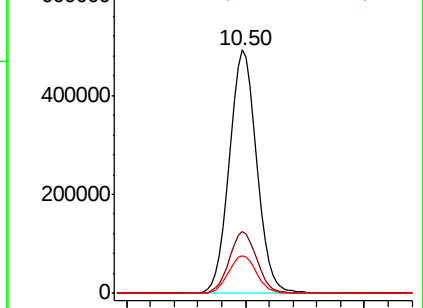
77 15.8 12.6 19.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 50.656 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038812.D

Acq: 11 Jun 2020 05:57

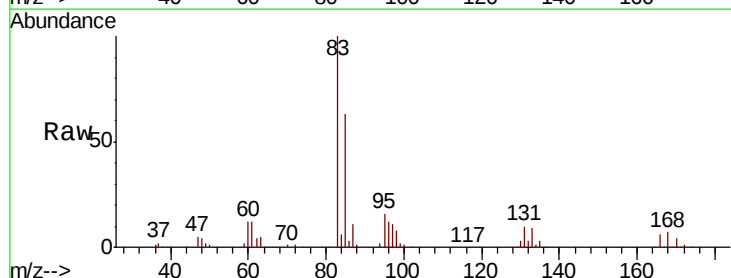
Tgt Ion: 83 Resp: 341042

Ion Ratio Lower Upper

83 100

85 62.7 45.3 84.1

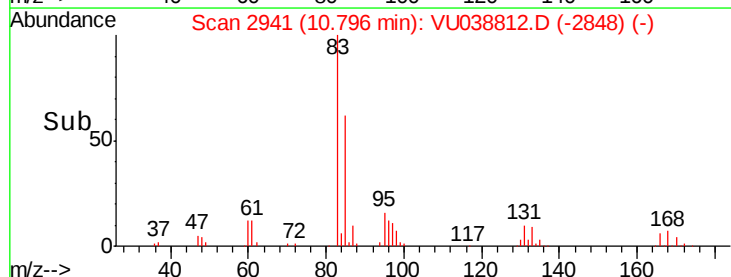
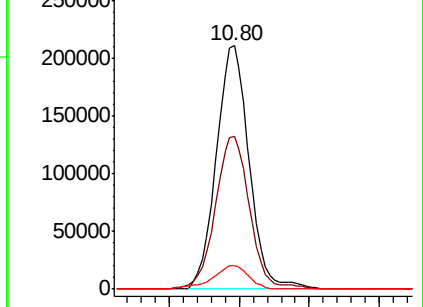
131 9.7 7.2 10.8

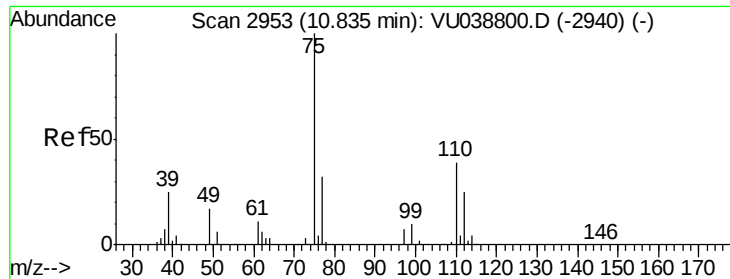


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 52.109 ug/L

RT: 10.83 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU038812.D

Acq: 11 Jun 2020 05:57

Instrument :

MSVOA_U

ClientSampleId :

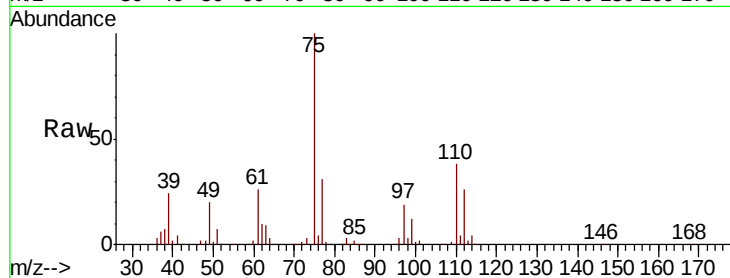
VSTD05051

Tot Ion: 75 Resp: 300296

Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.83

200000

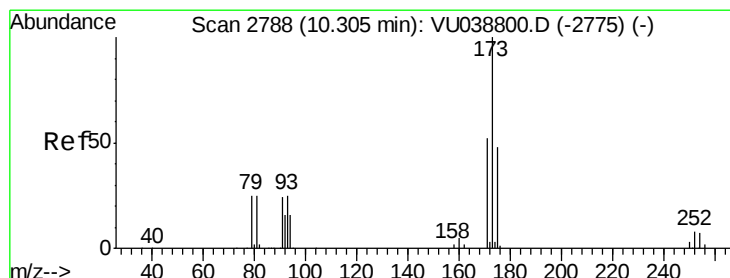
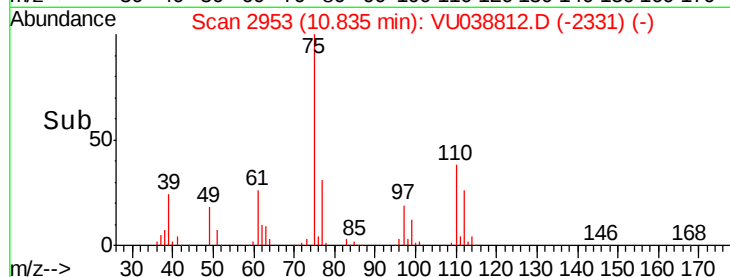
150000

100000

50000

0

Time--> 10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 54.391 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VU038812.D

Acq: 11 Jun 2020 05:57

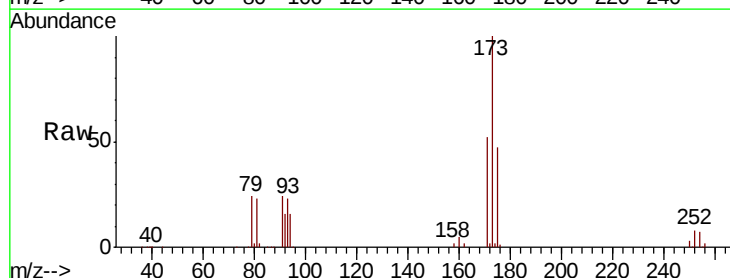
Tgt Ion: 173 Resp: 157573

Ion Ratio Lower Upper

173 100

175 47.4 39.0 58.4

254 6.8 5.8 8.8



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

10.31

120000

100000

80000

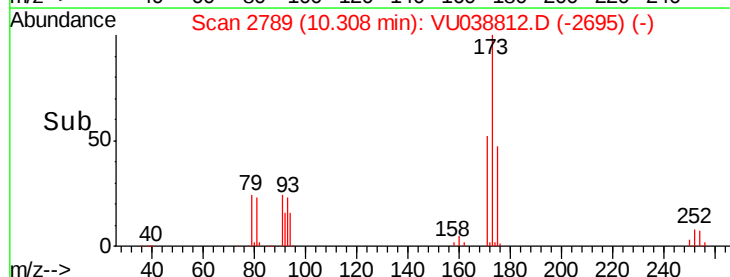
60000

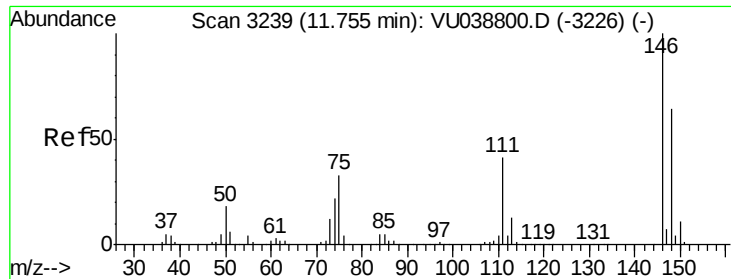
40000

20000

0

Time--> 10.25 10.30 10.35

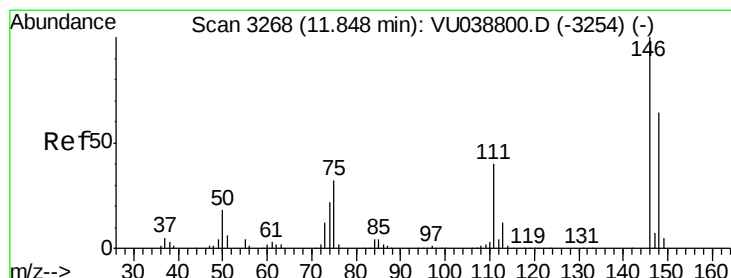
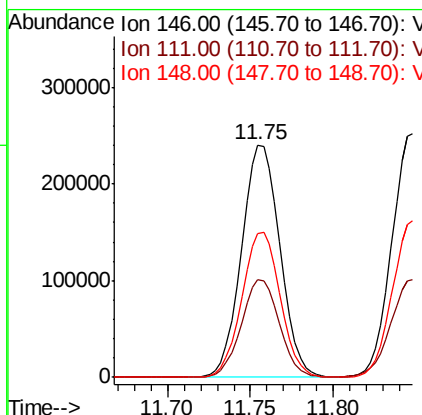
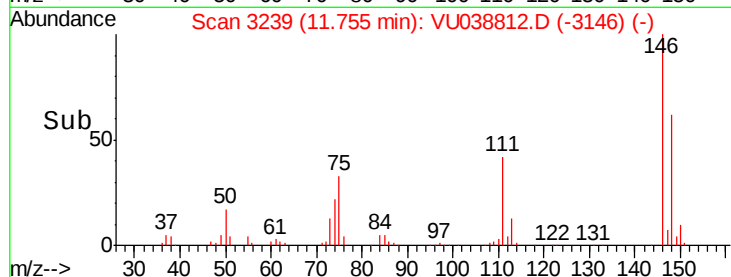
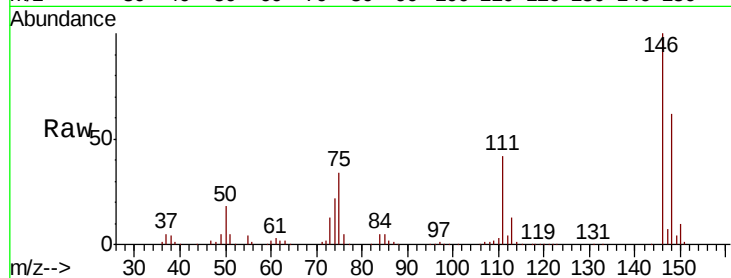




#62
 1,3-Dichlorobenzene
 Concen: 47.548 ug/L
 RT: 11.75 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU038812.D
 Acq: 11 Jun 2020 05:57

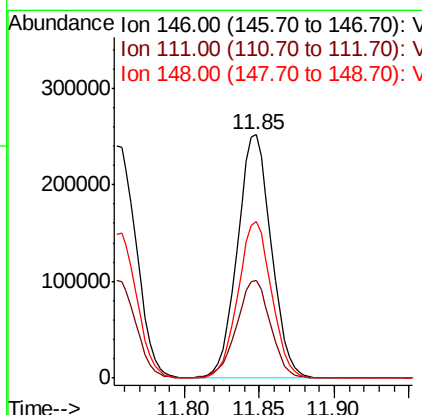
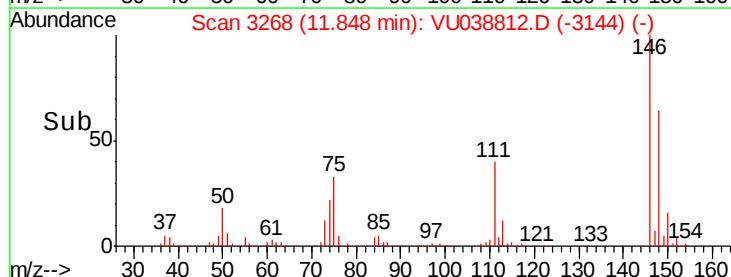
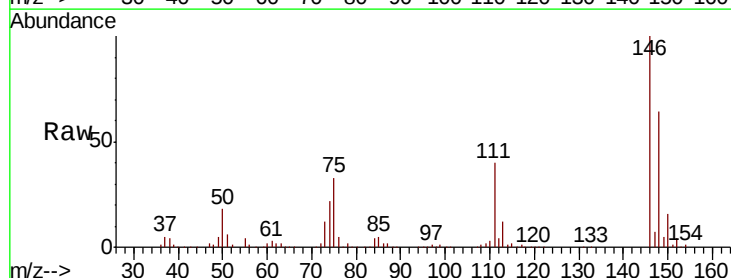
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

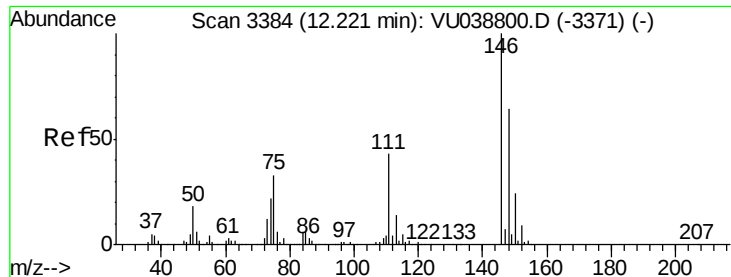
Tot Ion:146 Resp: 387621
 Ion Ratio Lower Upper
 146 100
 111 41.9 29.2 54.2
 148 62.0 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 47.818 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038812.D
 Acq: 11 Jun 2020 05:57

Tgt Ion:146 Resp: 394737
 Ion Ratio Lower Upper
 146 100
 111 40.0 27.6 51.4
 148 64.1 44.3 82.3

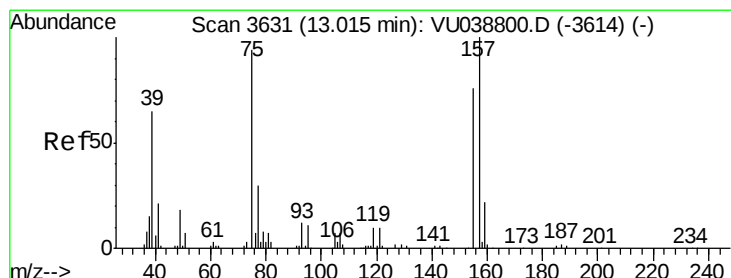
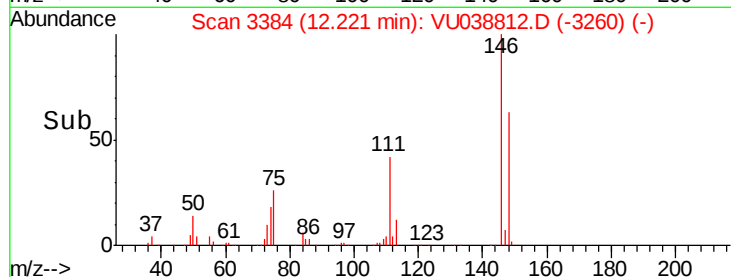
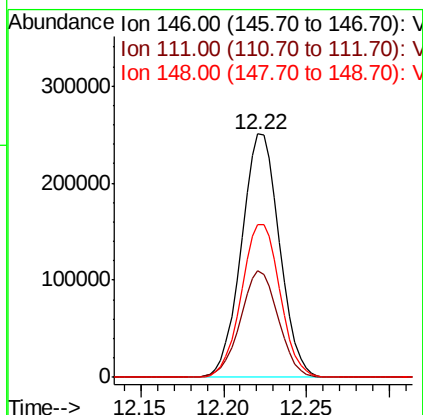
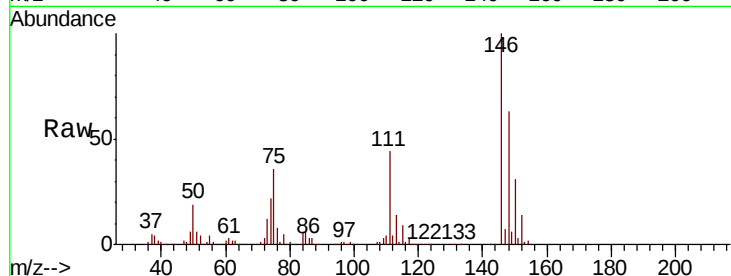




#65
 1,2-Dichlorobenzene
 Concen: 49.405 ug/L
 RT: 12.22 min Scan# 3384
 Delta R.T. -0.00 min
 Lab File: VU038812.D
 Acq: 11 Jun 2020 05:57

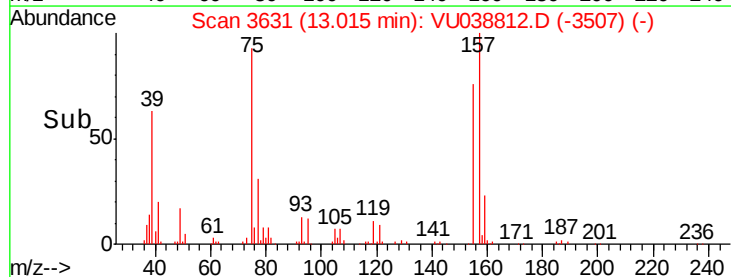
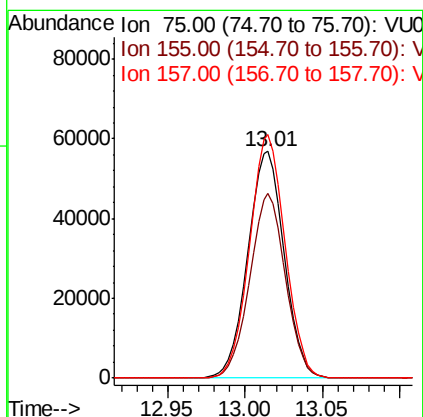
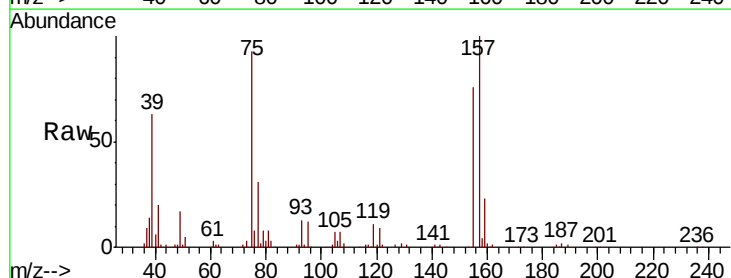
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

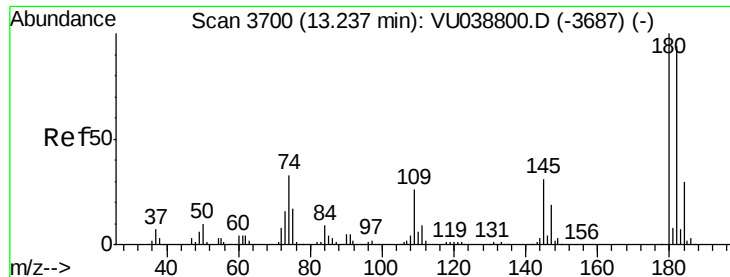
Tot Ion:146 Resp: 400869
 Ion Ratio Lower Upper
 146 100
 111 43.7 34.8 52.2
 148 62.9 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 55.370 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU038812.D
 Acq: 11 Jun 2020 05:57

Tgt Ion: 75 Resp: 93103
 Ion Ratio Lower Upper
 75 100
 155 81.9 63.8 95.6
 157 107.5 80.2 120.2

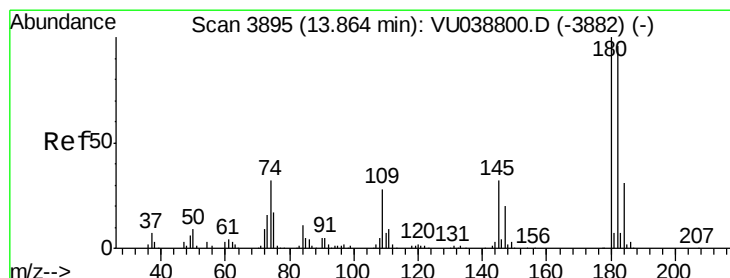
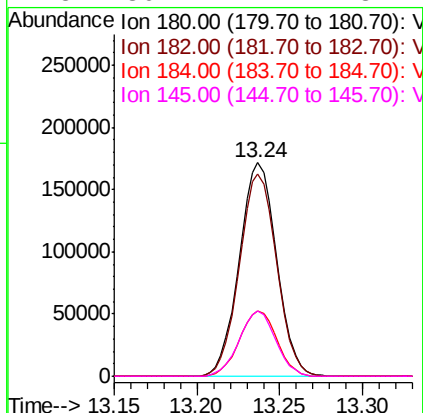
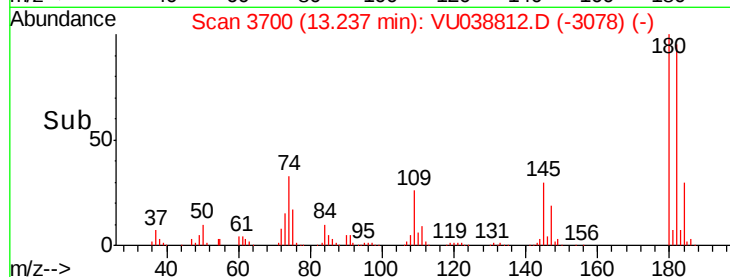
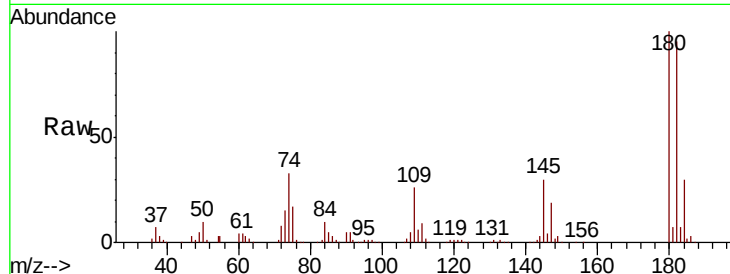




#67
 1,3,5-Trichlorobenzene
 Concen: 45.831 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU038812.D
 Acq: 11 Jun 2020 05:57

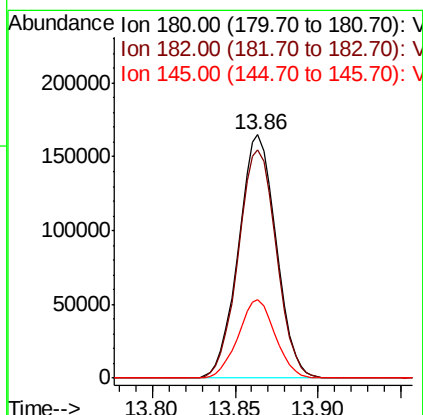
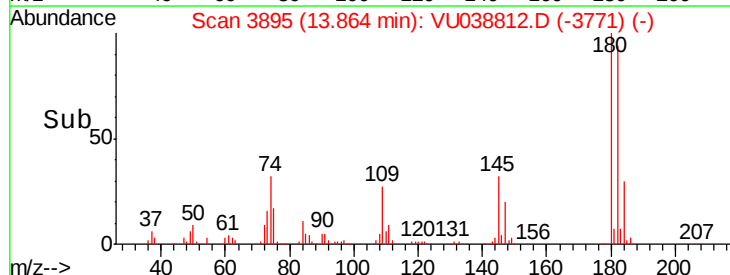
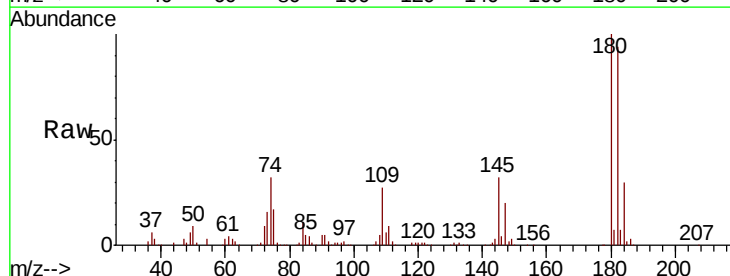
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

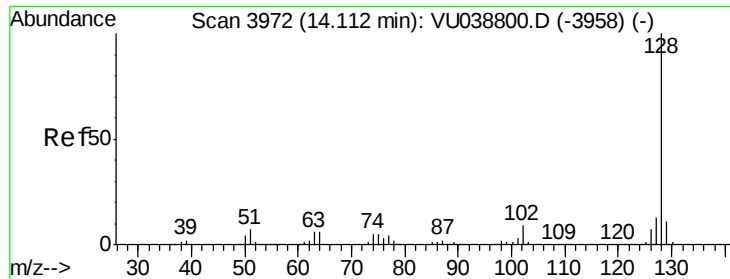
Tot Ion:180	Resp:	268399
Ion	Ratio	Lower Upper
180	100	
182	94.7	76.6 114.8
184	30.7	24.7 37.1
145	30.2	24.7 37.1



#68
 1,2,4-trichlorobenzene
 Concen: 47.146 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU038812.D
 Acq: 11 Jun 2020 05:57

Tgt Ion:180	Resp:	260286
Ion	Ratio	Lower Upper
180	100	
182	95.0	76.8 115.2
145	31.6	25.4 38.2





#69

Naphthalene

Concen: 53.796 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU038812.D

Acq: 11 Jun 2020 05:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

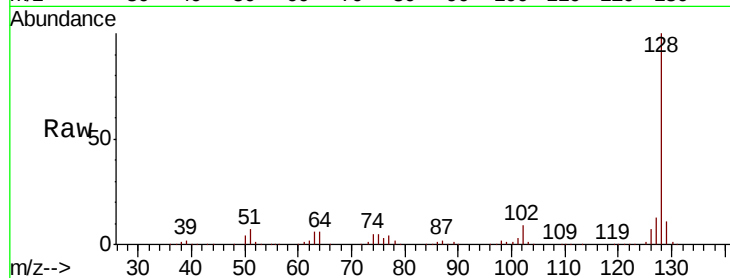
Tot Ion:128 Resp: 1049960

Ion Ratio Lower Upper

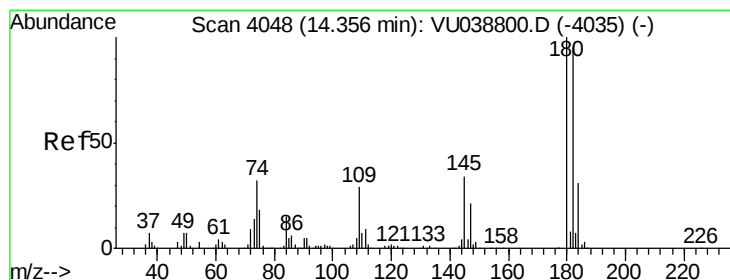
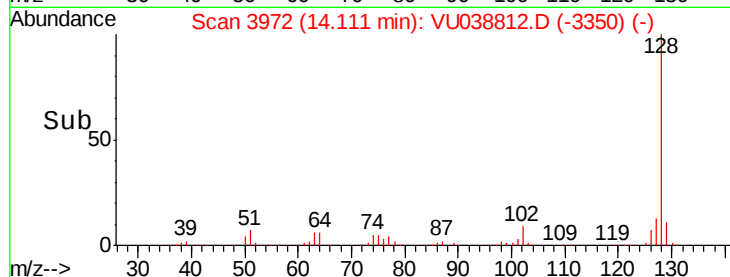
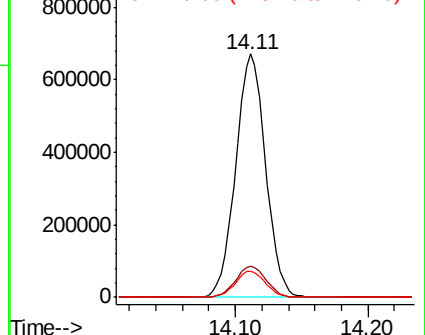
128 100

127 13.1 10.6 16.0

129 10.8 8.6 12.8



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: 50.339 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU038812.D

Acq: 11 Jun 2020 05:57

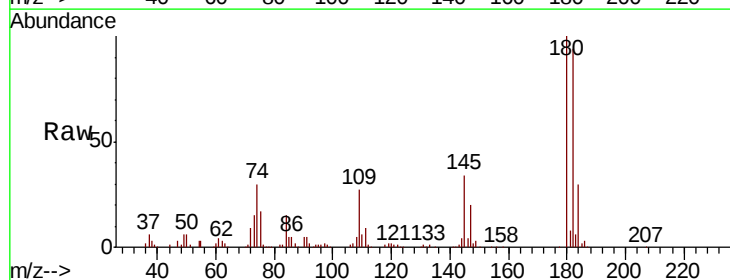
Tgt Ion:180 Resp: 278825

Ion Ratio Lower Upper

180 100

182 94.0 75.9 113.9

145 33.5 26.4 39.6



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

