

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040320\
 Data File : VU037582.D
 Acq On : 03 Apr 2020 21:18
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Quant Time: Apr 04 05:27:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 04 05:18:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	175896	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	165216	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	78527	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	58272	40.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.58%
7) Chloroethane-d5	1.93	69	47594	41.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.94%
11) 1,1-Dichloroethene-d2	2.59	63	104520	43.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.06%
21) 2-Butanone-d5	4.67	46	106763	99.44	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.44%
24) Chloroform-d	5.11	84	107279	44.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.14%
26) 1,2-Dichloroethane-d4	5.74	65	70832	44.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.66%
32) Benzene-d6	5.76	84	214703	44.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.70%
36) 1,2-Dichloropropane-d6	6.72	67	72833	45.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.40%
41) Toluene-d8	7.92	98	197149	44.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.38%
43) trans-1,3-Dichloropropene-	8.20	79	37947	43.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.74%
47) 2-Hexanone-d5	8.66	63	79643	93.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.28%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	108149	46.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.90%
64) 1,2-Dichlorobenzene-d4	12.21	152	72003	44.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.86%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	52721	46.363	ug/L 98
3) Chloromethane	1.54	50	54038	44.799	ug/L 99
5) Vinyl chloride	1.62	62	56405	47.091	ug/L 98
6) Bromomethane	1.87	94	30580	51.765	ug/L 98
8) Chloroethane	1.95	64	34117	48.295	ug/L 97
9) Trichlorofluoromethane	2.16	101	82104	48.315	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	46469	47.942	ug/L 98
12) 1,1-Dichloroethene	2.60	96	46114	49.010	ug/L 94
13) Acetone	2.66	43	59283	95.520	ug/L 98
14) Carbon disulfide	2.82	76	124119	45.668	ug/L 100
15) Methyl Acetate	2.98	43	72121	51.281	ug/L 99
16) Methylene chloride	3.08	84	55034	48.221	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	47629	47.010	ug/L 98
18) Methyl tert-butyl Ether	3.40	73	176070	49.575	ug/L 98
19) 1,1-Dichloroethane	3.91	63	96212	48.468	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	57678	49.435	ug/L 97
22) 2-Butanone	4.75	43	104930	103.585	ug/L 99

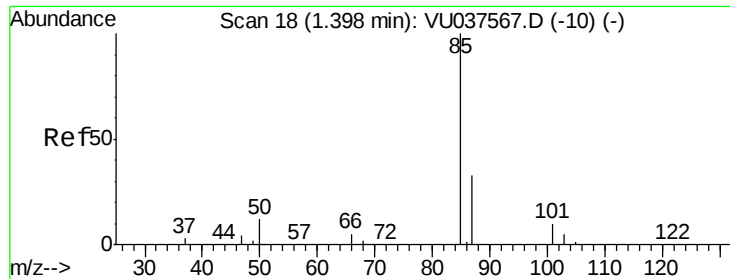
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040320\
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 QLast Update : Sat Apr 04 05:18:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	28450	50.803	ug/L	93
25) Chloroform	5.13	83	100985	48.793	ug/L	96
27) 1,2-Dichloroethane	5.83	62	78041	48.858	ug/L	100
29) Cyclohexane	5.42	56	84966	49.072	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	85968	49.088	ug/L	98
31) Carbon tetrachloride	5.56	117	71649	49.708	ug/L	97
33) Benzene	5.81	78	212989	49.201	ug/L	100
34) Trichloroethene	6.57	95	55428	48.967	ug/L	97
35) Methylcyclohexane	6.79	83	82101	46.943	ug/L	98
37) 1,2-Dichloropropane	6.82	63	60666	49.184	ug/L	98
38) Bromodichloromethane	7.13	83	79591	49.613	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	93512	48.539	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	209064	104.452	ug/L	100
42) Toluene	7.99	91	226700	48.392	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	93928	49.509	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	57496	51.056	ug/L	99
46) Tetrachloroethene	8.57	164	36427	47.928	ug/L	94
48) 2-Hexanone	8.71	43	167682	107.729	ug/L	98
49) Dibromochloromethane	8.83	129	61258	48.769	ug/L	98
50) 1,2-Dibromoethane	8.94	107	62439	50.415	ug/L	99
51) Chlorobenzene	9.47	112	142028	48.879	ug/L	97
52) Ethylbenzene	9.59	91	264126	49.856	ug/L	100
53) m,p-Xylene	9.71	106	96576	48.873	ug/L	100
54) o-xylene	10.12	106	95420	50.100	ug/L	98
55) Styrene	10.13	104	167265	49.598	ug/L	99
56) Isopropylbenzene	10.50	105	255935	49.562	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	105149	51.794	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	82705	52.159	ug/L	100
61) Bromoform	10.31	173	46490	51.788	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	111985	49.389	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	112538	49.176	ug/L	97
65) 1,2-Dichlorobenzene	12.23	146	113195	50.418	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.01	75	28000	51.994	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	76578	48.657	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	75084	50.044	ug/L	97
69) Naphthalene	14.11	128	305636	48.083	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	76736	50.628	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 46.363 ug/L

RT: 1.40 min Scan# 18

Delta R.T. -0.00 min

Lab File: VU037582.D

Acq: 03 Apr 2020 21:18

Instrument :

MSVOA_U

ClientSampleId :

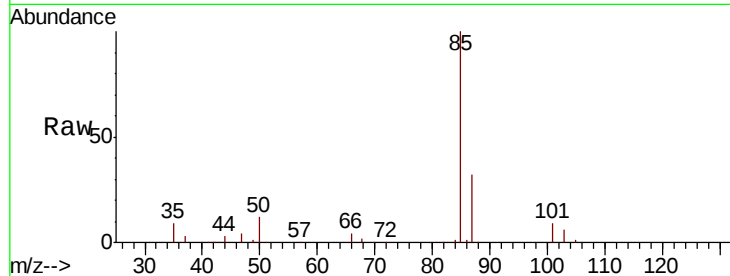
VSTD05058

Tot Ion: 85 Resp: 52721

Ion Ratio Lower Upper

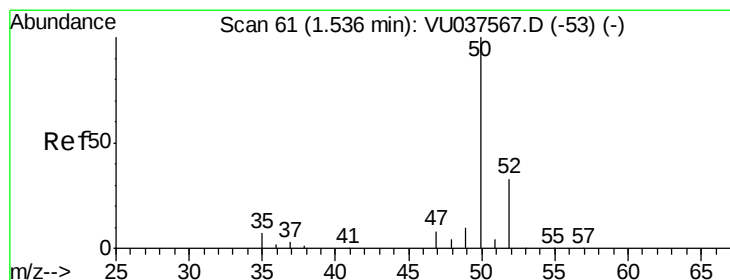
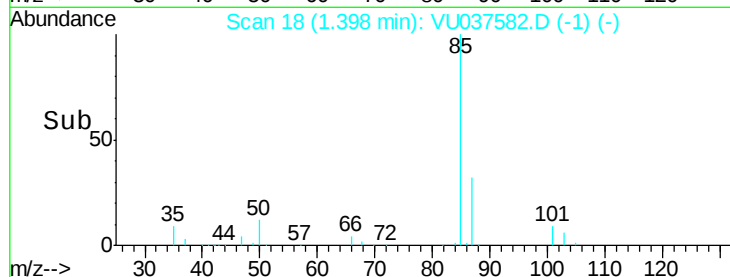
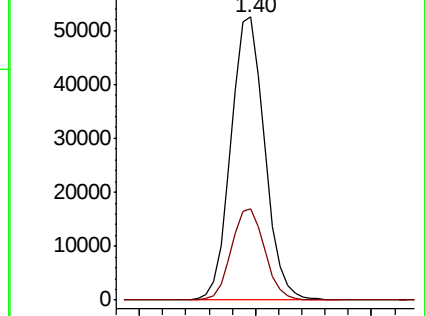
85 100

87 31.7 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU037567.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU037567.D (-10) (-)



#3

Chloromethane

Concen: 44.799 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037582.D

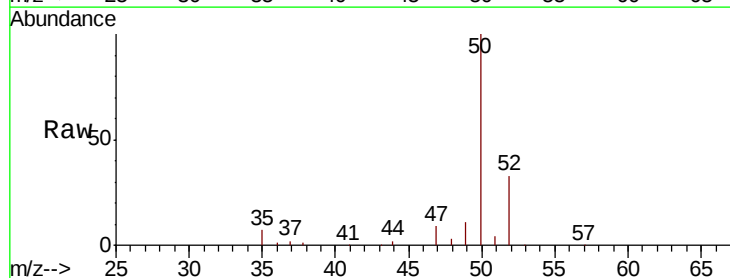
Acq: 03 Apr 2020 21:18

Tgt Ion: 50 Resp: 54038

Ion Ratio Lower Upper

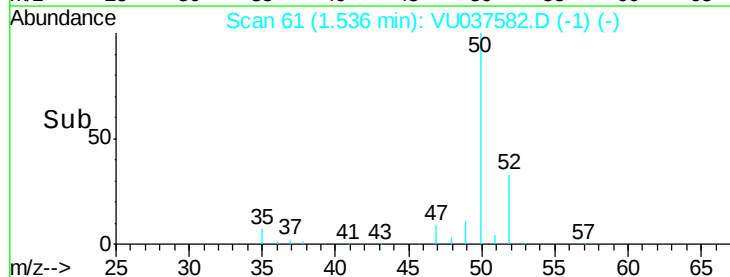
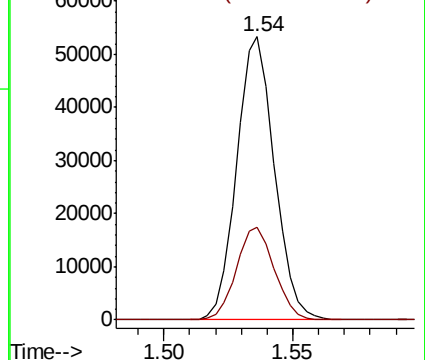
50 100

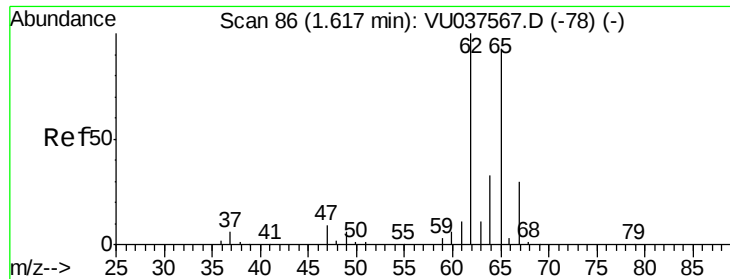
52 32.6 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VU037567.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU037567.D (-53) (-)





#5

Vinyl chloride

Concen: 47.091 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037582.D

Acq: 03 Apr 2020 21:18

Instrument :

MSVOA_U

ClientSampleId :

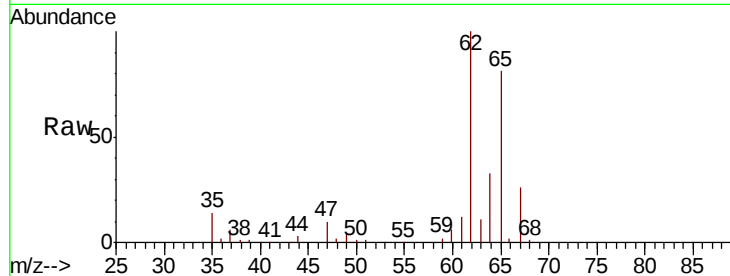
VSTD05058

Tot Ion: 62 Resp: 56405

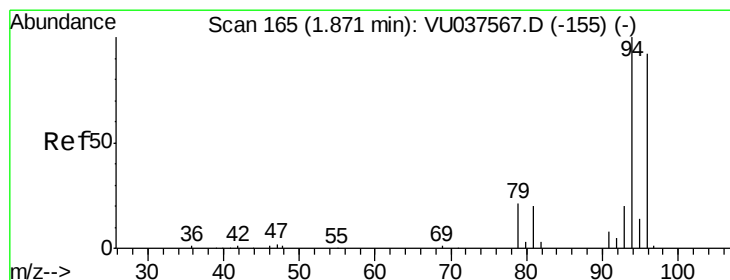
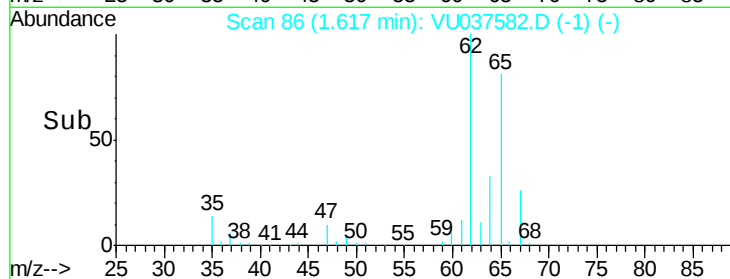
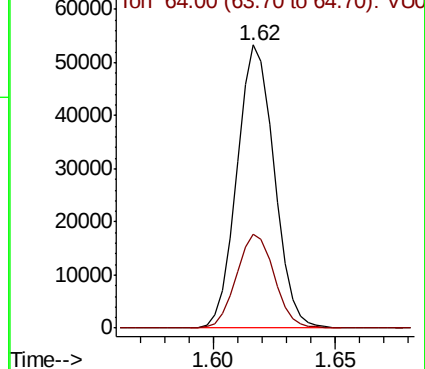
Ion Ratio Lower Upper

62 100

64 33.4 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VU037582.D (-1) (-)



#6

Bromomethane

Concen: 51.765 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU037582.D

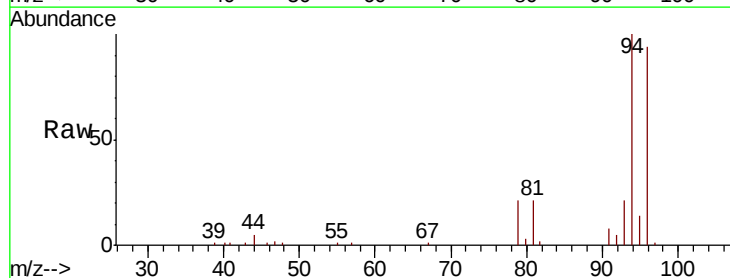
Acq: 03 Apr 2020 21:18

Tgt Ion: 94 Resp: 30580

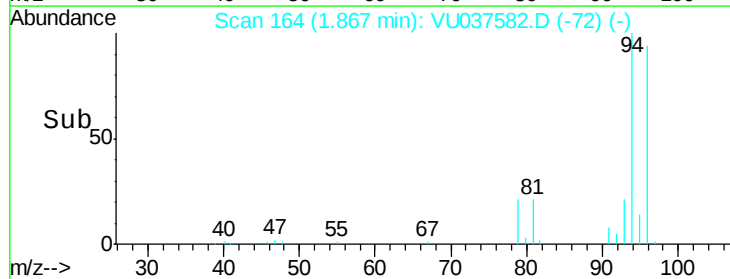
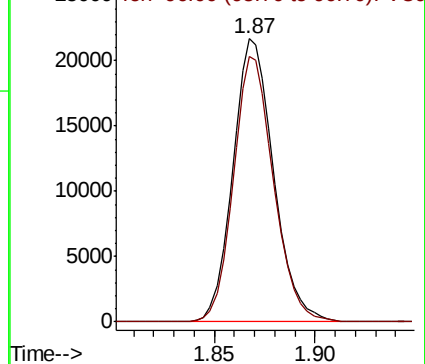
Ion Ratio Lower Upper

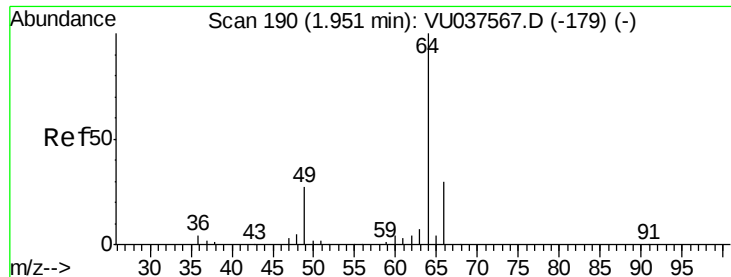
94 100

96 93.8 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU037582.D (-72) (-)





#8

Chloroethane

Concen: 48.295 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU037582.D

Acq: 03 Apr 2020 21:18

Instrument :

MSVOA_U

ClientSampleId :

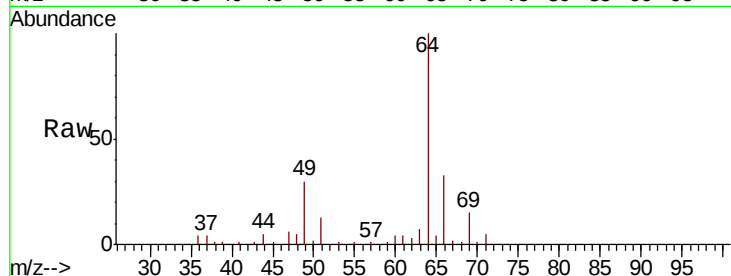
VSTD05058

Tot Ion: 64 Resp: 34117

Ion Ratio Lower Upper

64 100

66 33.2 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VU037567.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU037567.D (-179) (-)

1.95

25000

20000

15000

10000

5000

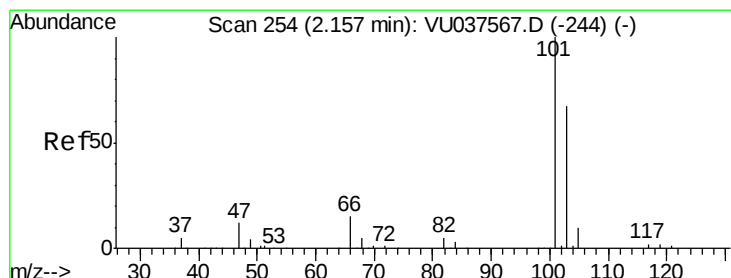
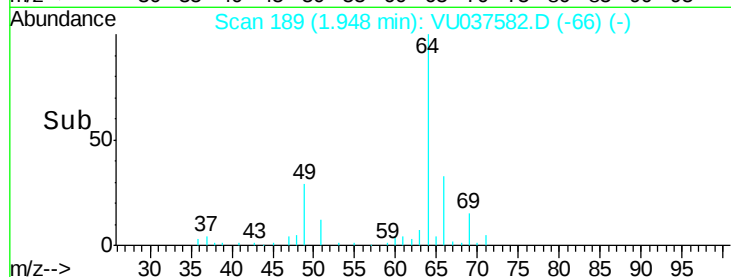
0

Time-->

1.90

1.95

2.00



#9

Trichlorofluoromethane

Concen: 48.315 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU037582.D

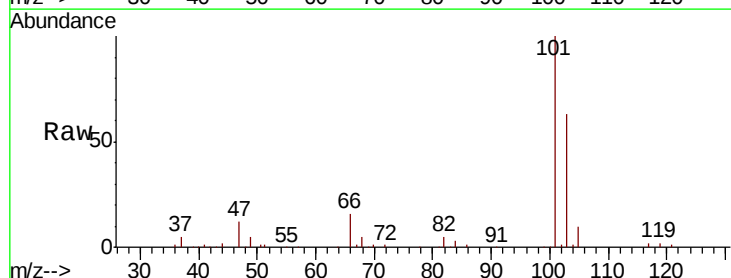
Acq: 03 Apr 2020 21:18

Tgt Ion:101 Resp: 82104

Ion Ratio Lower Upper

101 100

103 63.7 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU037567.D (-244) (-)

Ion 103.00 (102.70 to 103.70): VU037567.D (-244) (-)

2.16

60000

40000

20000

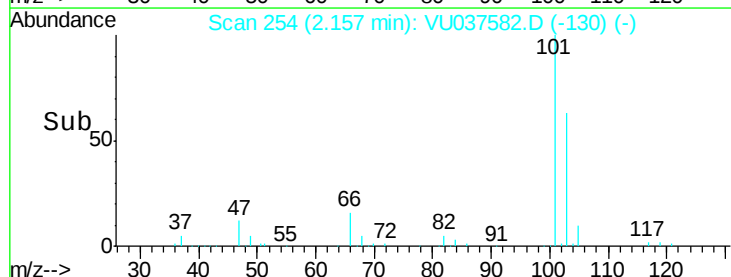
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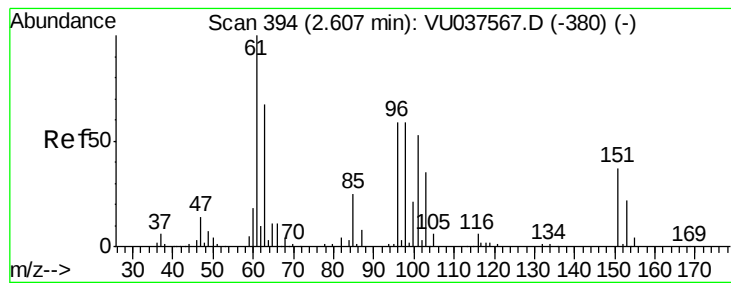
Time-->

2.10

2.15

2.20





#10

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

Concen: 47.942 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037582.D

Acq: 03 Apr 2020 21:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

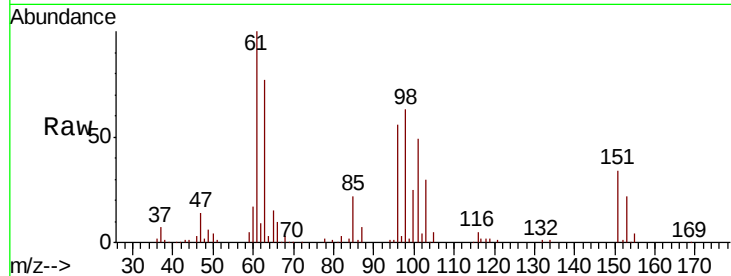
Tot Ion:101 Resp: 46469

Ion Ratio Lower Upper

101 100

85 45.5 35.4 53.2

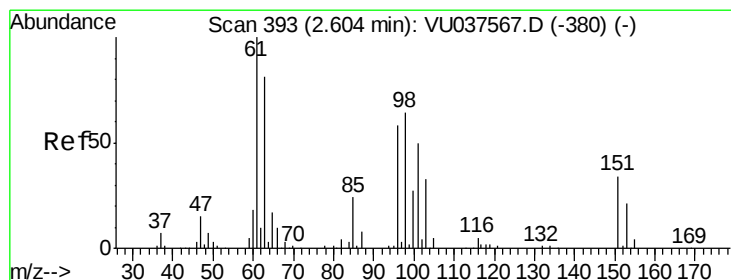
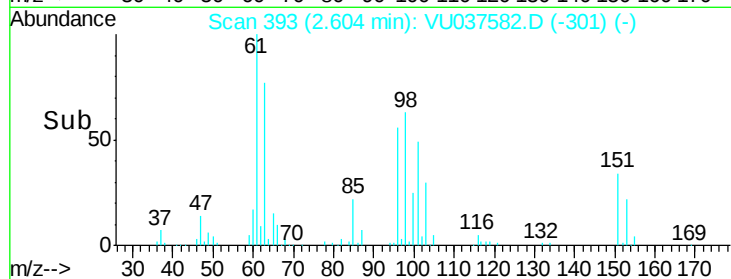
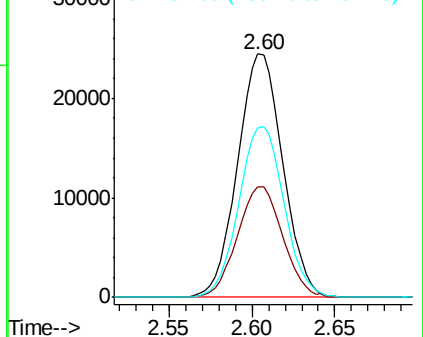
151 70.2 55.3 82.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 49.010 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037582.D

Acq: 03 Apr 2020 21:18

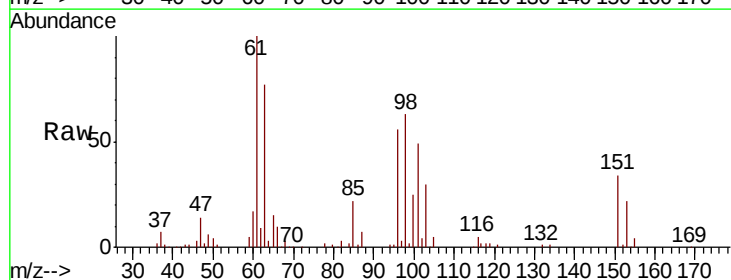
Tgt Ion: 96 Resp: 46114

Ion Ratio Lower Upper

96 100

61 177.3 117.2 217.8

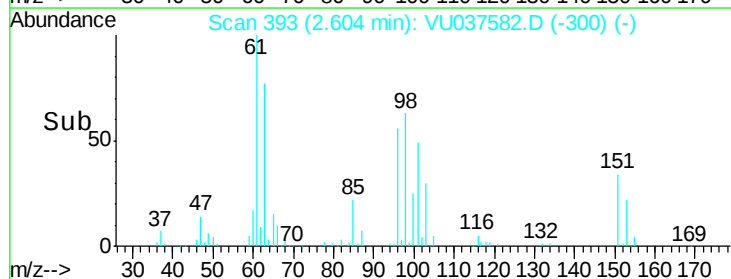
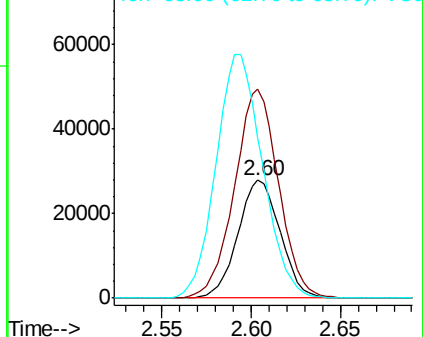
63 135.6 90.9 168.9

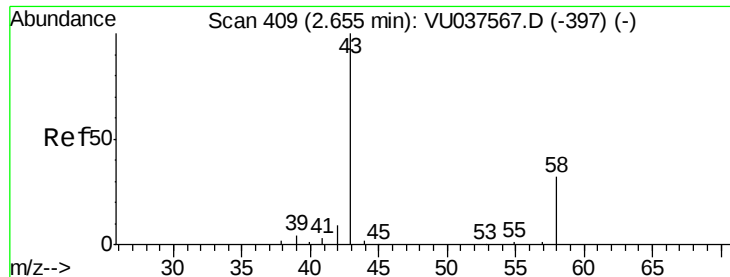


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 95.520 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU037582.D

Acq: 03 Apr 2020 21:18

Instrument :

MSVOA_U

ClientSampleId :

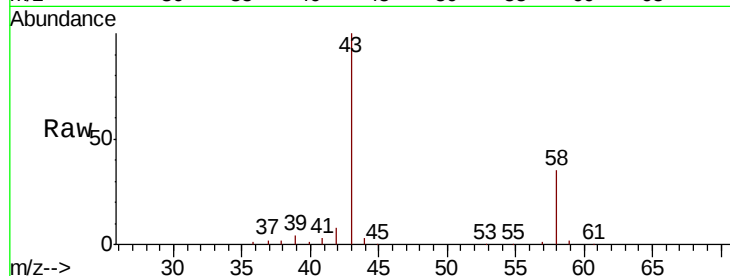
VSTD05058

Tot Ion: 43 Resp: 59283

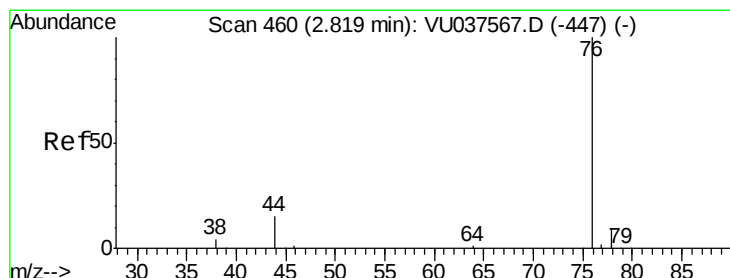
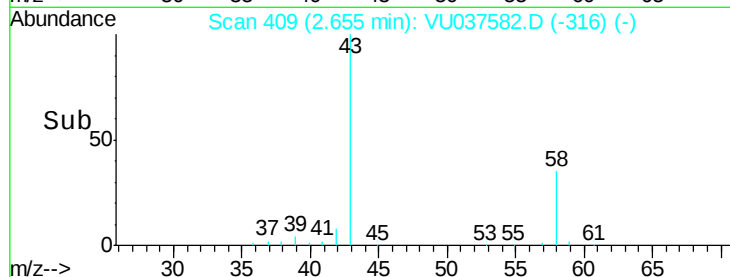
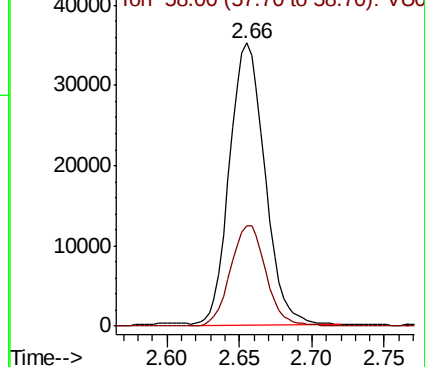
Ion Ratio Lower Upper

43 100

58 35.8 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VU037582.D (-316) (-)



#14

Carbon disulfide

Concen: 45.668 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037582.D

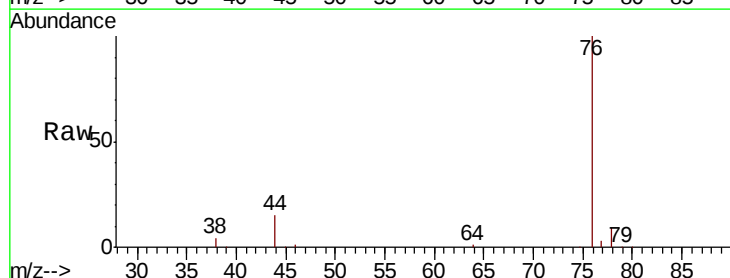
Acq: 03 Apr 2020 21:18

Tgt Ion: 76 Resp: 124119

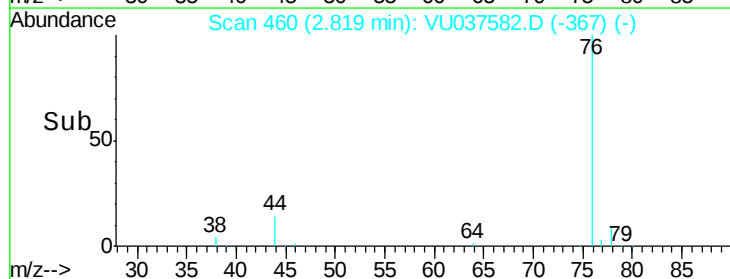
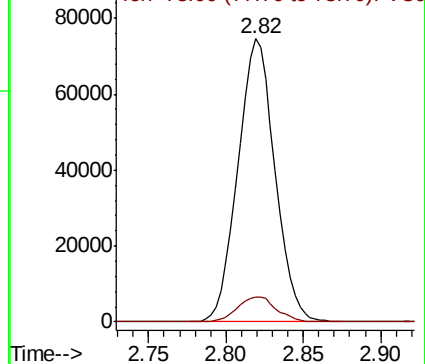
Ion Ratio Lower Upper

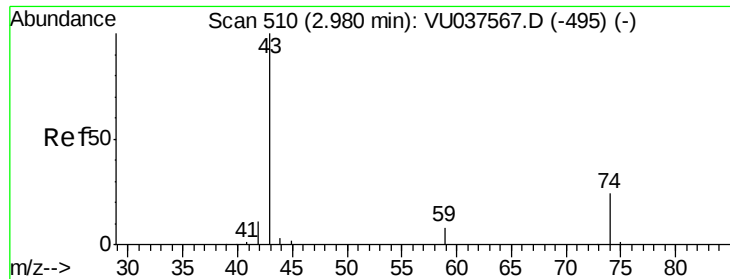
76 100

78 9.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU037582.D (-367) (-)

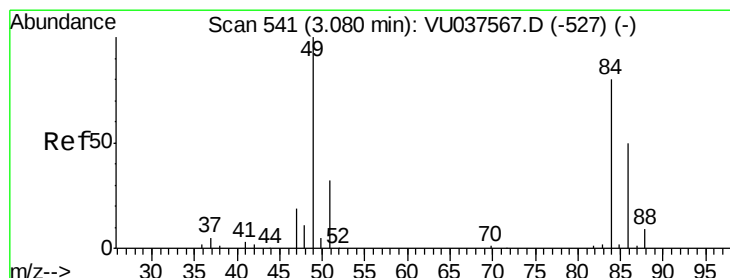
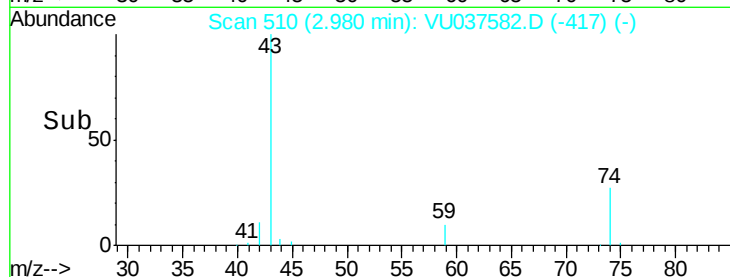
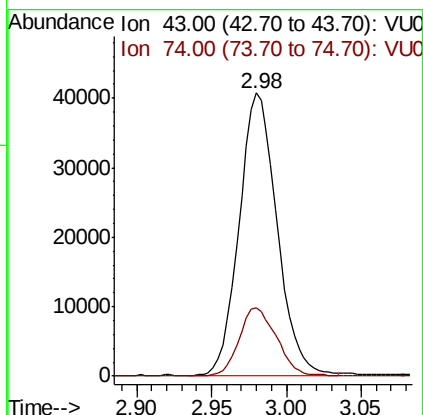
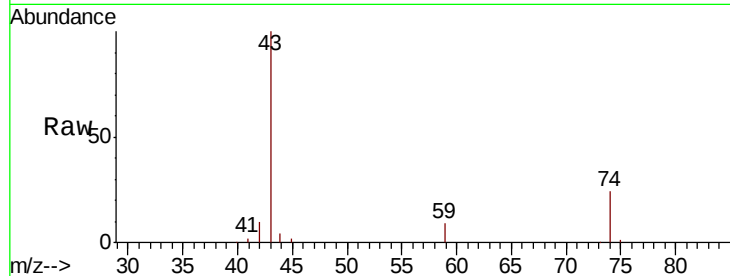




#15
Methvl Acetate
Concen: 51.281 ug/L
RT: 2.98 min Scan# 510
Delta R.T. -0.00 min
Lab File: VU037582.D
Acq: 03 Apr 2020 21:18

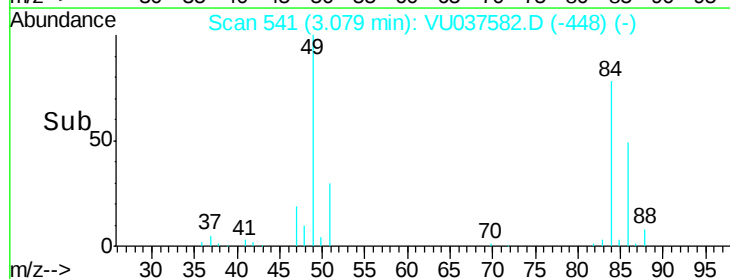
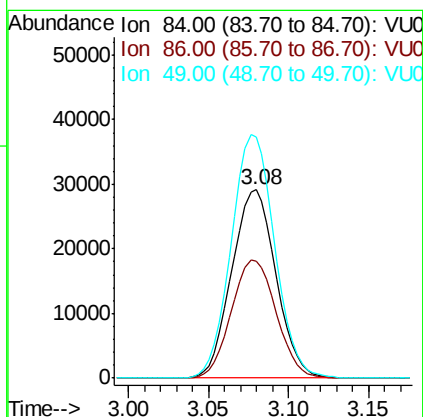
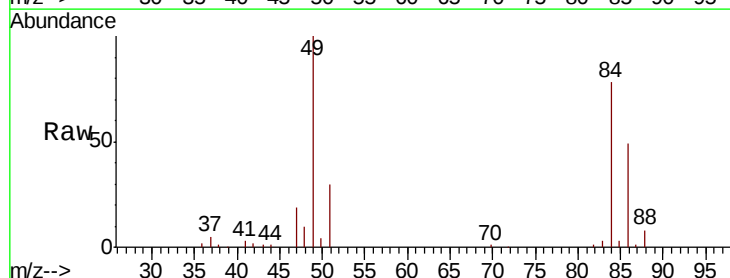
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

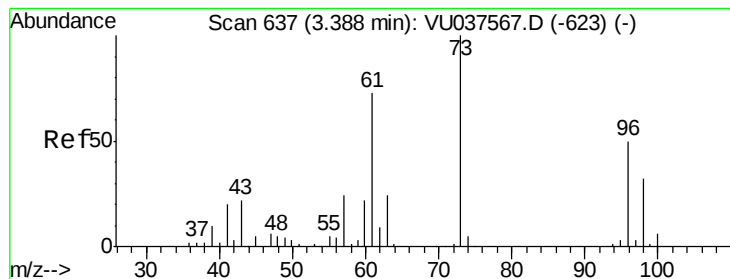
Tot Ion: 43 Resp: 72121
Ion Ratio Lower Upper
43 100
74 23.9 18.8 28.2



#16
Methylene chloride
Concen: 48.221 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU037582.D
Acq: 03 Apr 2020 21:18

Tgt Ion: 84 Resp: 55034
Ion Ratio Lower Upper
84 100
86 62.2 44.8 83.2
49 128.1 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 47.010 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU037582.D

Acq: 03 Apr 2020 21:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

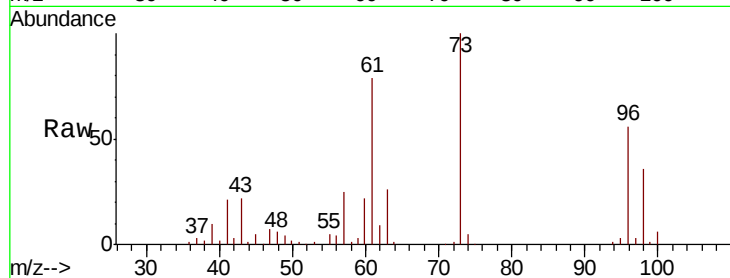
Tot Ion: 96 Resp: 47629

Ion Ratio Lower Upper

96 100

61 139.7 97.3 180.7

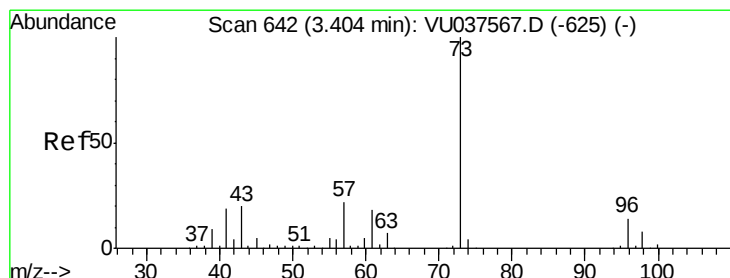
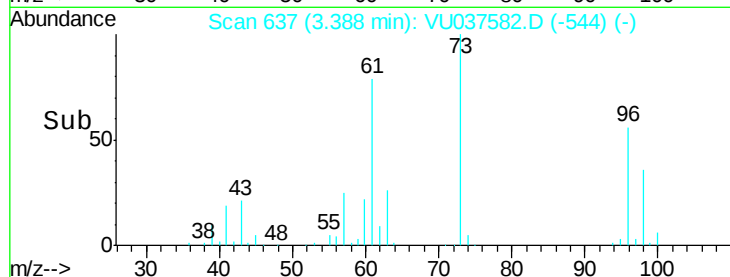
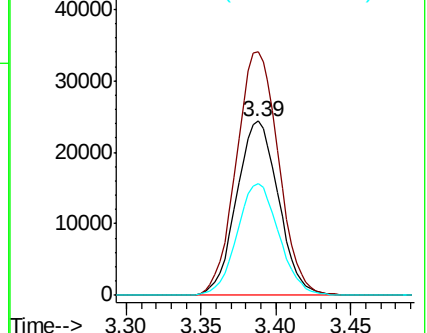
98 64.2 42.7 79.3



Abundance Ion 96.00 (95.70 to 96.70): VU037567.D (-623) (-)

Ion 61.00 (60.70 to 61.70): VU037567.D (-623) (-)

Ion 98.00 (97.70 to 98.70): VU037567.D (-623) (-)



#18

Methyl tert-butyl Ether

Concen: 49.575 ug/L

RT: 3.40 min Scan# 642

Delta R.T. -0.00 min

Lab File: VU037582.D

Acq: 03 Apr 2020 21:18

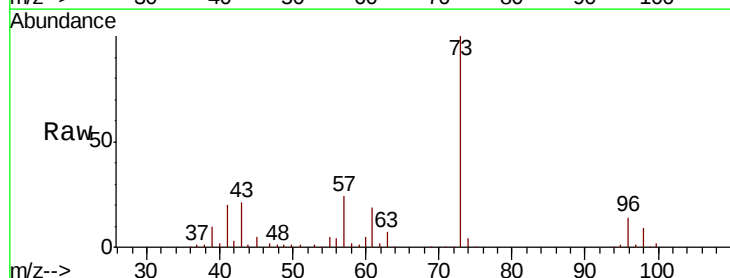
Tgt Ion: 73 Resp: 176070

Ion Ratio Lower Upper

73 100

43 21.1 16.4 24.6

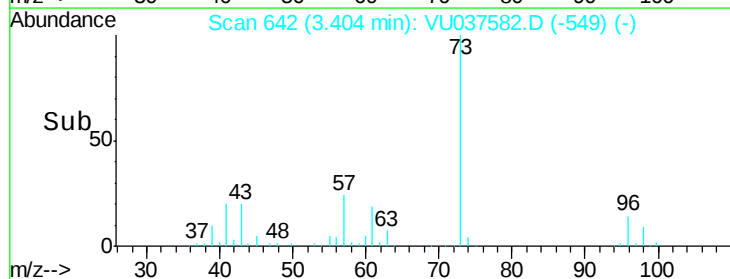
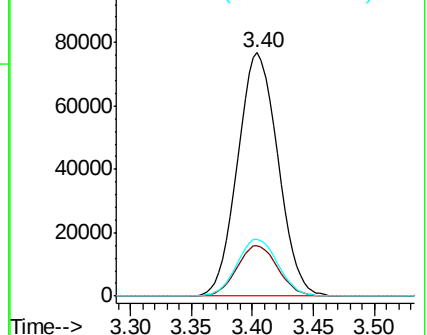
57 23.8 17.7 26.5

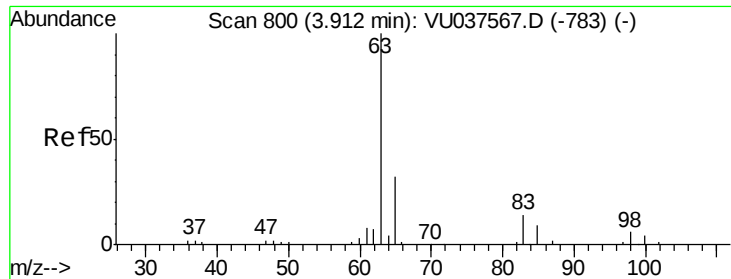


Abundance Ion 73.00 (72.70 to 73.70): VU037567.D (-625) (-)

Ion 43.00 (42.70 to 43.70): VU037567.D (-625) (-)

Ion 57.00 (56.70 to 57.70): VU037567.D (-625) (-)

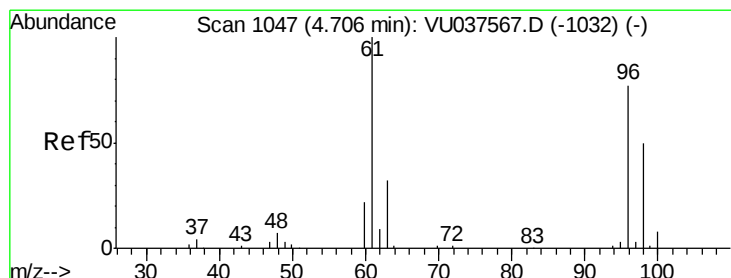
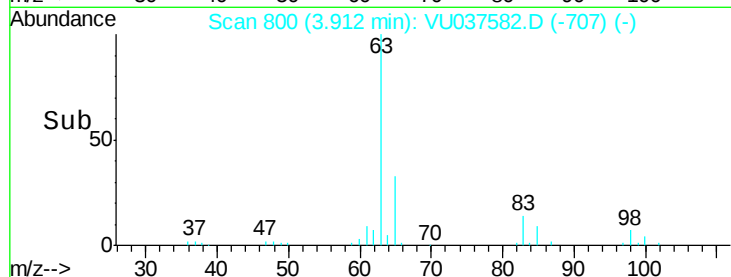
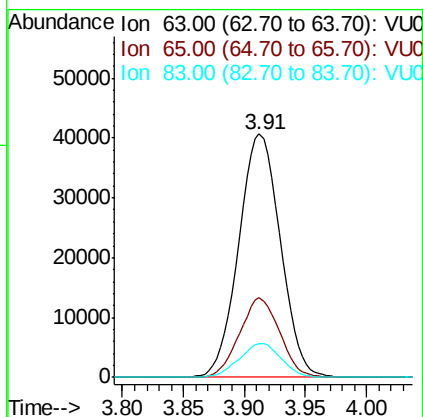
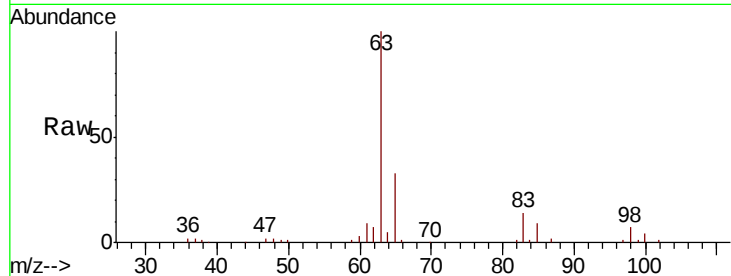




#19
 1,1-Dichloroethane
 Concen: 48.468 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VU037582.D
 Acq: 03 Apr 2020 21:18

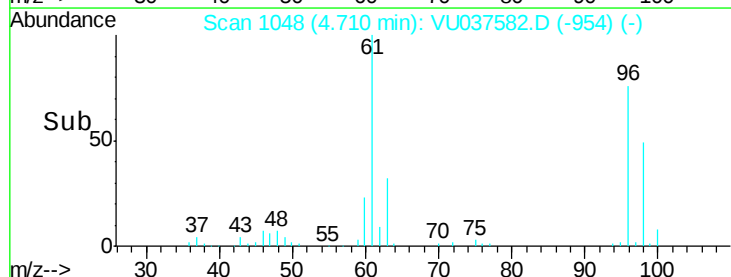
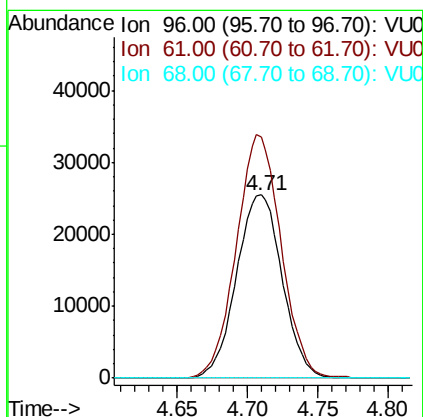
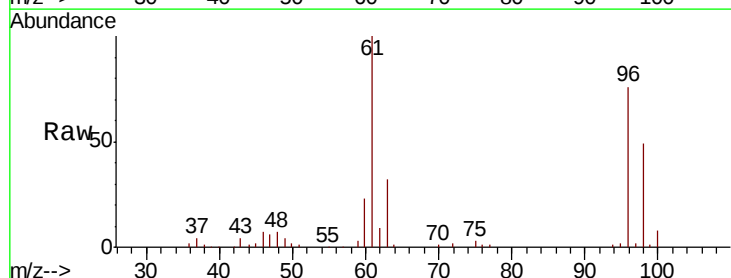
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

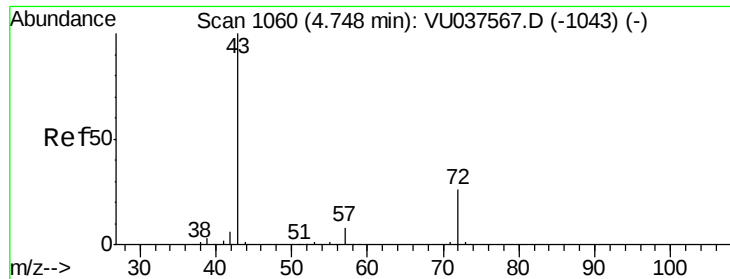
Tot Ion: 63 Resp: 96212
 Ion Ratio Lower Upper
 63 100
 65 32.5 23.2 43.2
 83 14.0 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 49.435 ug/L
 RT: 4.71 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: VU037582.D
 Acq: 03 Apr 2020 21:18

Tgt Ion: 96 Resp: 57678
 Ion Ratio Lower Upper
 96 100
 61 132.0 90.2 167.6
 68 0.0 0.0 0.0

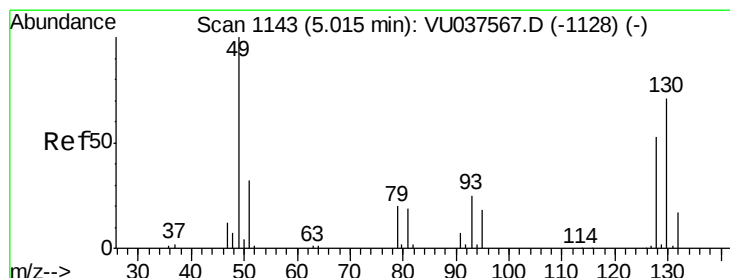
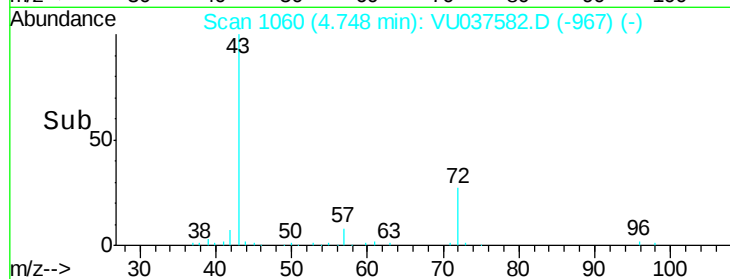
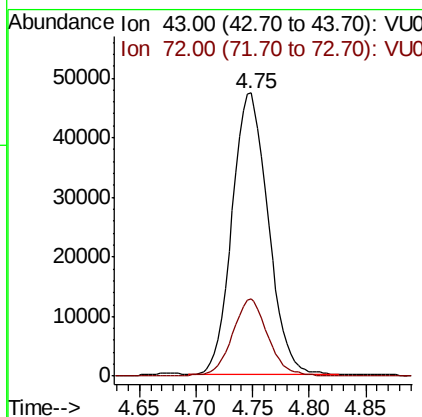
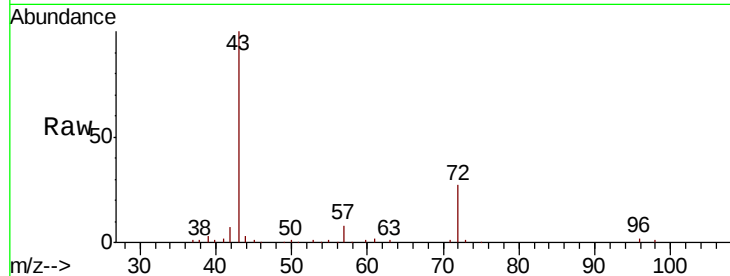




#22
 2-Butanone
 Concen: 103.585 ug/L
 RT: 4.75 min Scan# 1060
 Delta R.T. -0.00 min
 Lab File: VU037582.D
 Acq: 03 Apr 2020 21:18

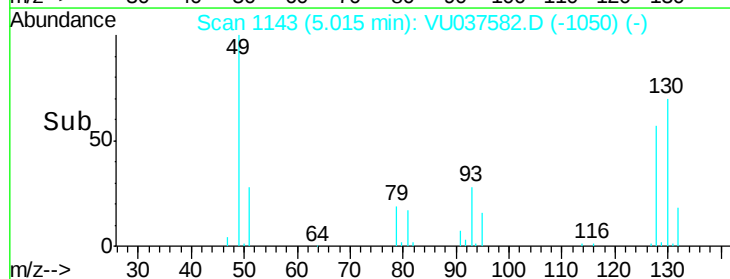
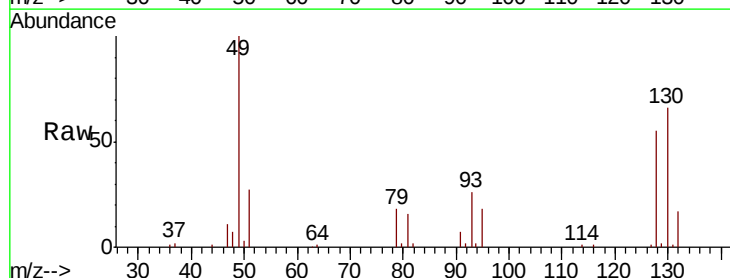
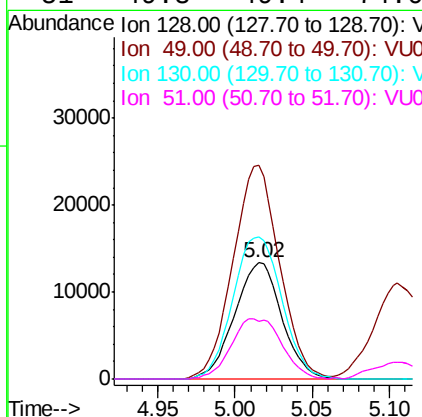
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05058

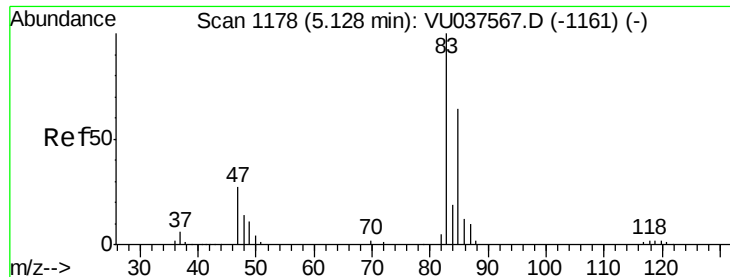
Tot Ion: 43 Resp: 104930
 Ion Ratio Lower Upper
 43 100
 72 27.1 13.8 41.4



#23
 Bromochloromethane
 Concen: 50.803 ug/L
 RT: 5.02 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VU037582.D
 Acq: 03 Apr 2020 21:18

Tgt Ion: 128 Resp: 28450
 Ion Ratio Lower Upper
 128 100
 49 183.4 127.3 236.5
 130 121.9 93.9 174.5
 51 49.8 49.4 74.0

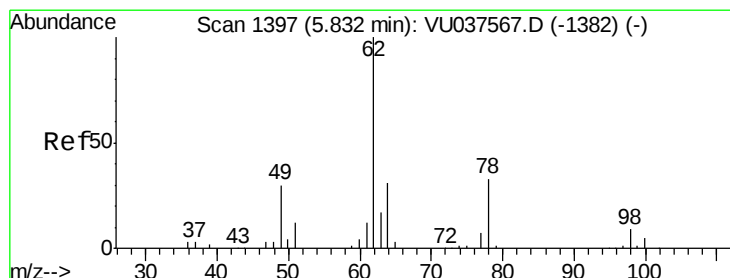
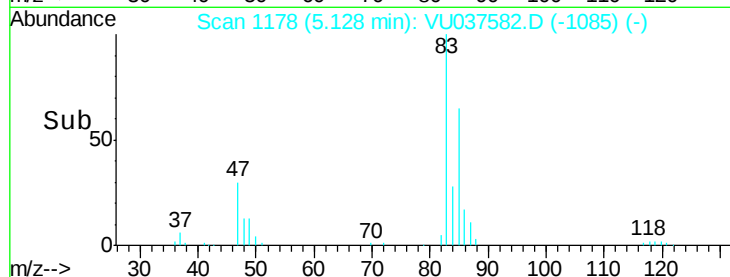
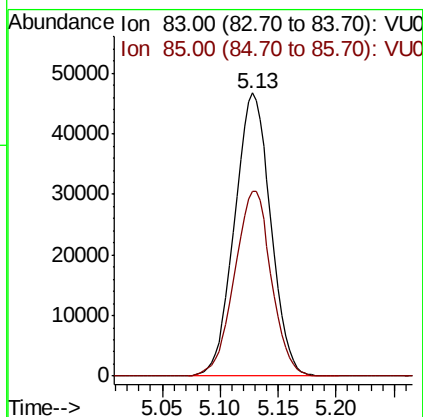
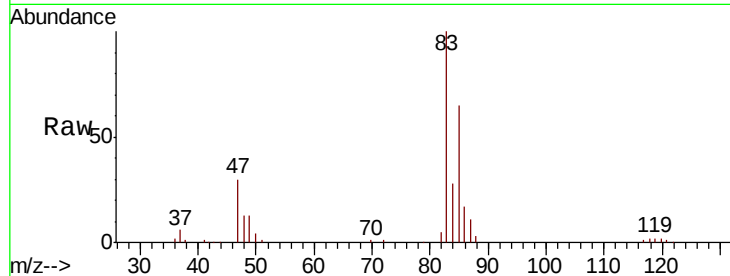




#25
Chloroform
Concen: 48.793 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037582.D
Acq: 03 Apr 2020 21:18

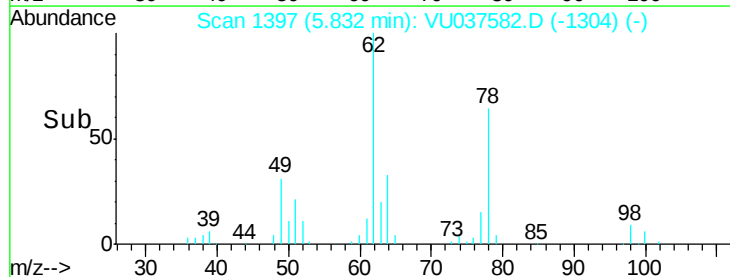
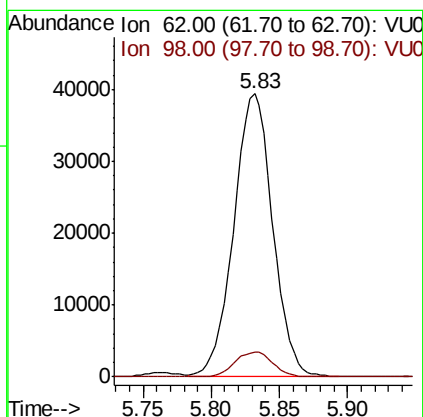
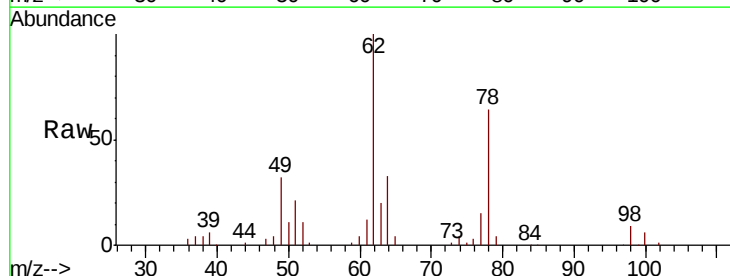
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

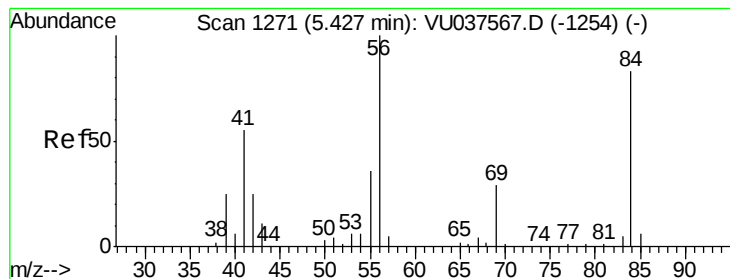
Tot Ion: 83 Resp: 100985
Ion Ratio Lower Upper
83 100
85 65.3 43.7 81.1



#27
1,2-Dichloroethane
Concen: 48.858 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU037582.D
Acq: 03 Apr 2020 21:18

Tgt Ion: 62 Resp: 78041
Ion Ratio Lower Upper
62 100
98 8.9 7.1 10.7





#29

Cyclohexane

Concen: 49.072 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU037582.D

Acq: 03 Apr 2020 21:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

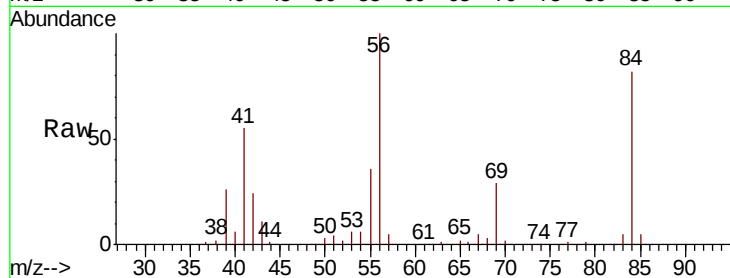
Tot Ion: 56 Resp: 84966

Ion Ratio Lower Upper

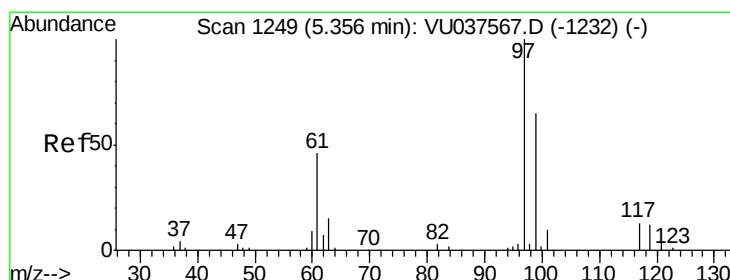
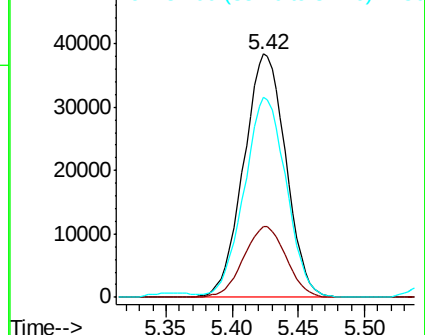
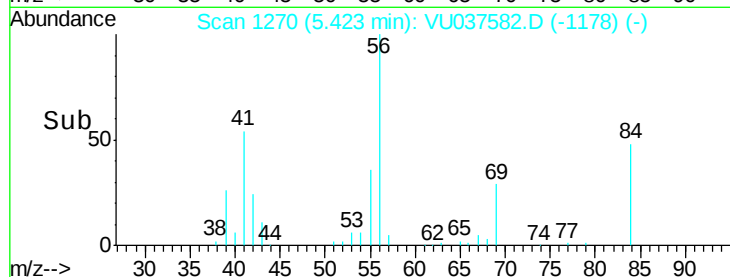
56 100

69 29.3 23.8 35.6

84 82.3 65.4 98.0



Abundance Ion 56.00 (55.70 to 56.70): VU037582.D (-1178) (-)



#30

1,1,1-Trichloroethane

Concen: 49.088 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU037582.D

Acq: 03 Apr 2020 21:18

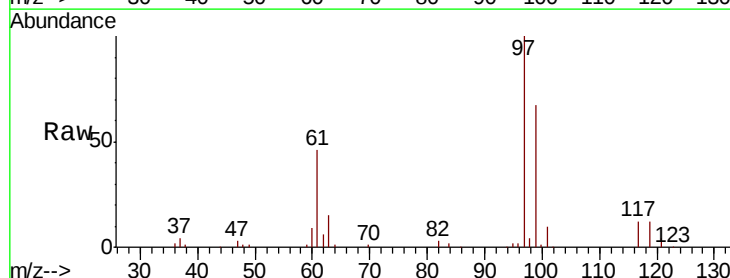
Tgt Ion: 97 Resp: 85968

Ion Ratio Lower Upper

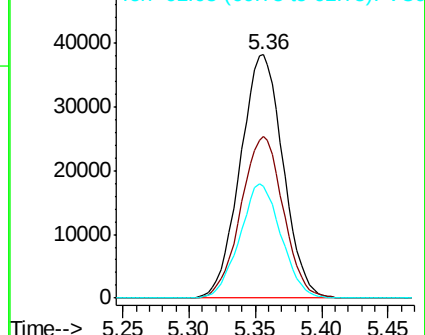
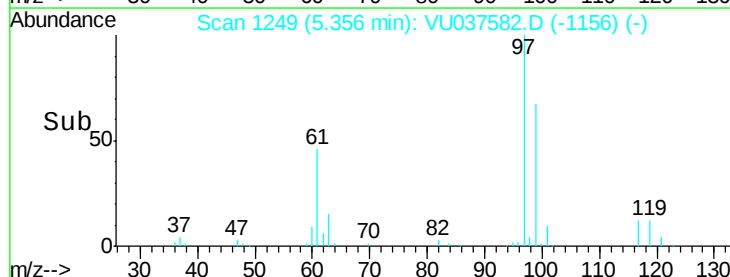
97 100

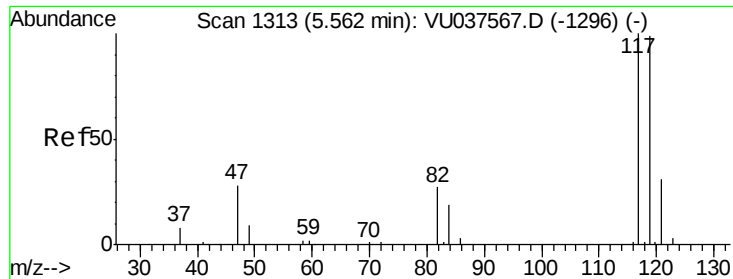
99 65.7 50.6 75.8

61 45.2 35.8 53.8



Abundance Ion 97.00 (96.70 to 97.70): VU037582.D (-1156) (-)

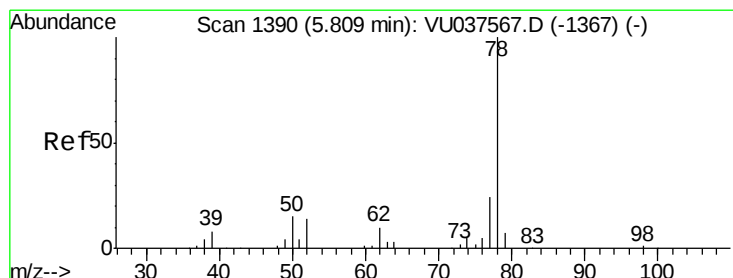
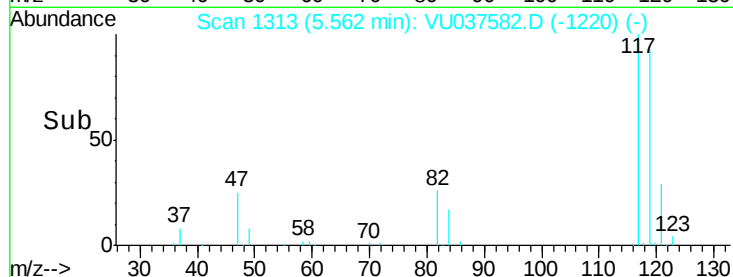
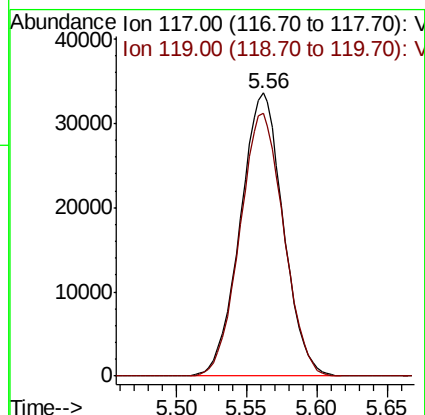
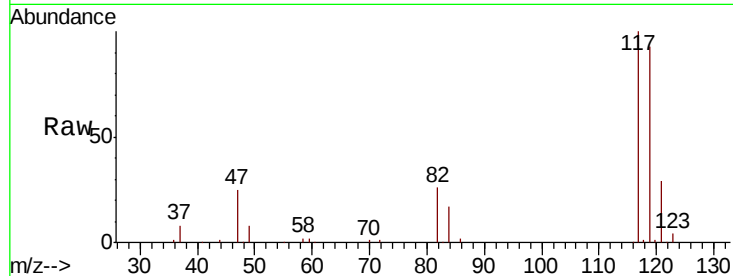




#31
Carbon tetrachloride
Concen: 49.708 ug/L
RT: 5.56 min Scan# 1313
Delta R.T. -0.00 min
Lab File: VU037582.D
Acq: 03 Apr 2020 21:18

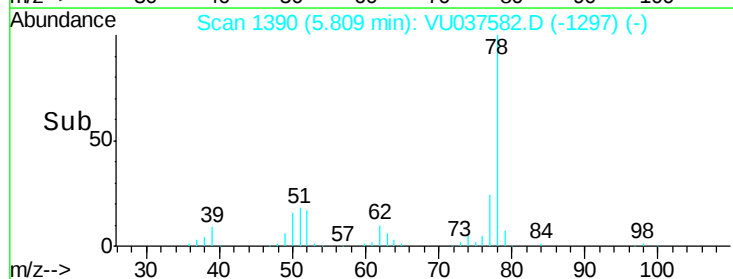
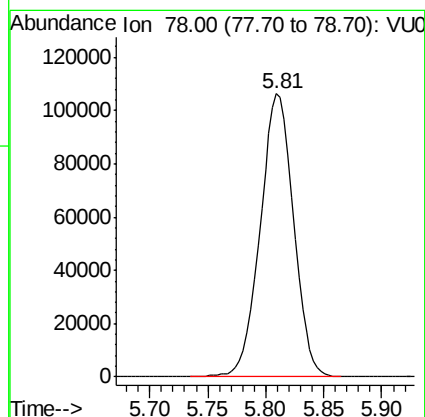
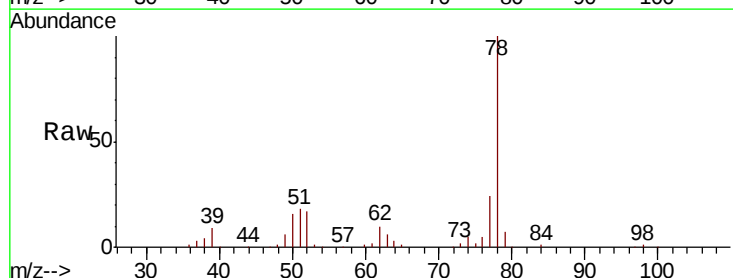
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

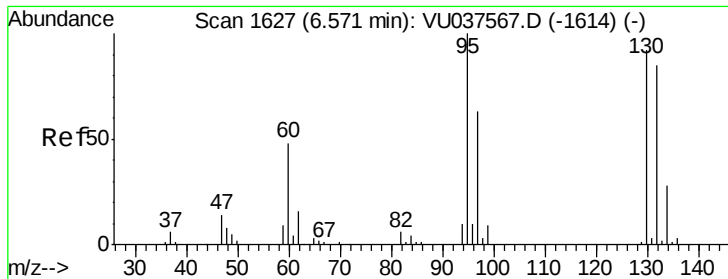
Tot Ion:117 Resp: 71649
Ion Ratio Lower Upper
117 100
119 94.6 77.8 116.8



#33
Benzene
Concen: 49.201 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU037582.D
Acq: 03 Apr 2020 21:18

Tgt Ion: 78 Resp: 212989





#34

Trichloroethene

Concen: 48.967 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU037582.D

Acq: 03 Apr 2020 21:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

Tot Ion: 95 Resp: 55428

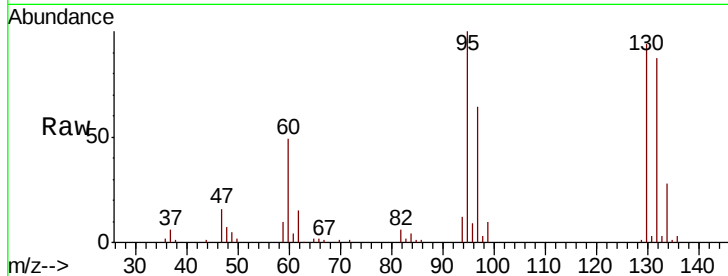
Ion Ratio Lower Upper

95 100

97 63.7 45.2 84.0

132 86.8 63.7 118.3

130 93.8 64.5 119.7

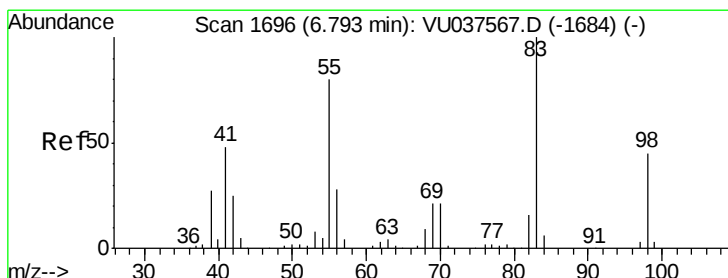
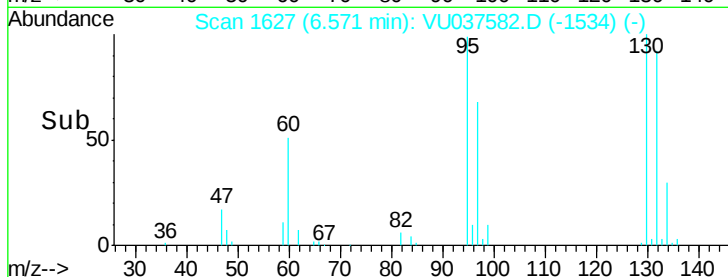
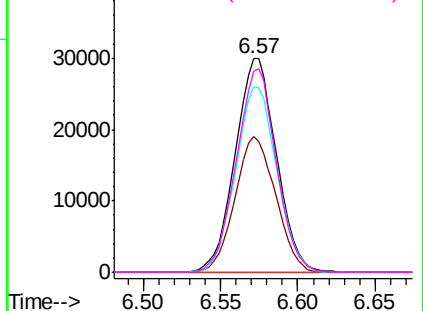


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 46.943 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU037582.D

Acq: 03 Apr 2020 21:18

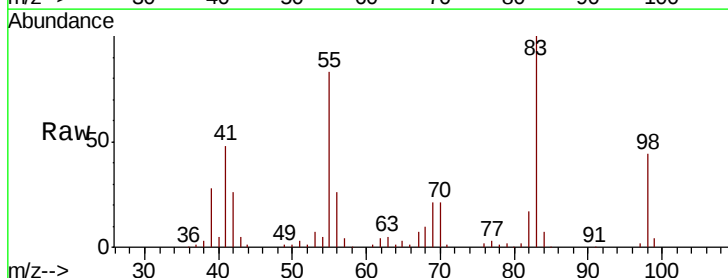
Tgt Ion: 83 Resp: 82101

Ion Ratio Lower Upper

83 100

55 78.9 61.1 91.7

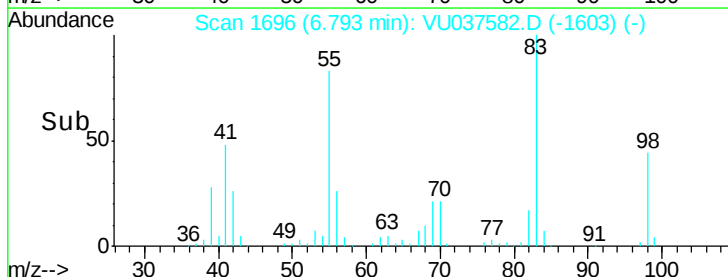
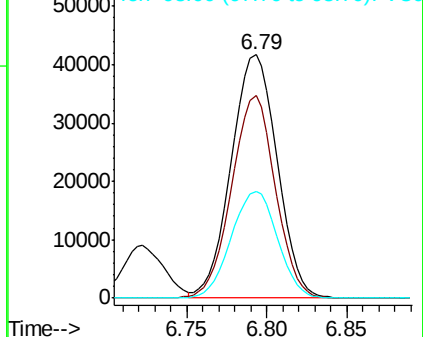
98 44.1 35.3 52.9

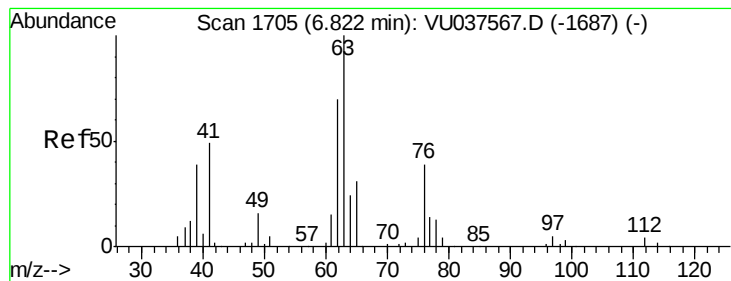


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 49.184 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. -0.00 min

Lab File: VU037582.D

Acq: 03 Apr 2020 21:18

Instrument :

MSVOA_U

ClientSampleId :

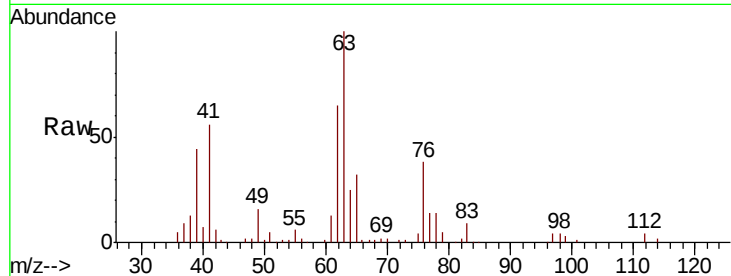
VSTD05058

Tot Ion: 63 Resp: 60666

Ion Ratio Lower Upper

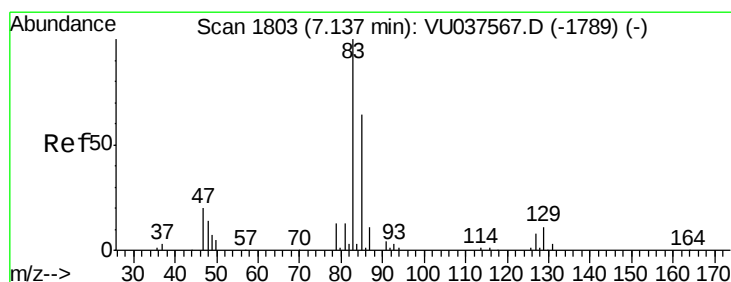
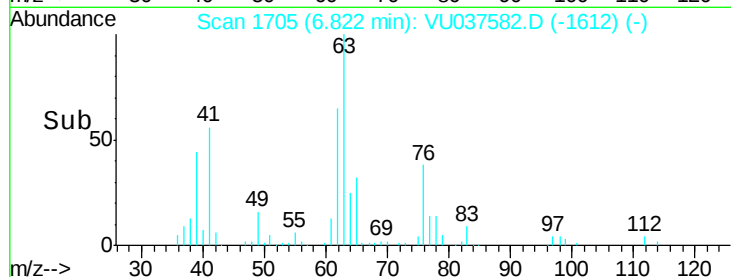
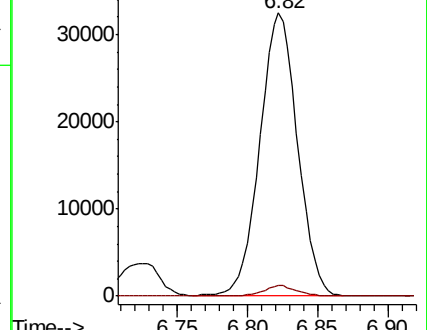
63 100

112 3.2 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VU037567.D (-1687) (-)

Ion 112.00 (111.70 to 112.70): VU037567.D (-1687) (-)



#38

Bromodichloromethane

Concen: 49.613 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU037582.D

Acq: 03 Apr 2020 21:18

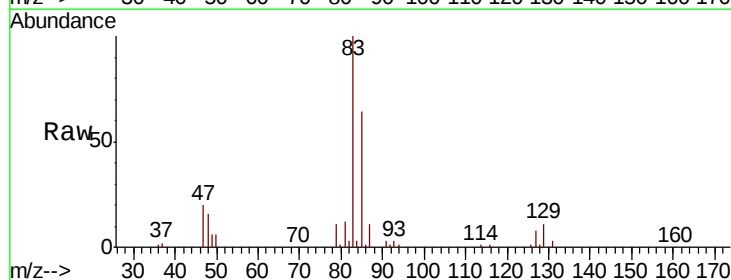
Tgt Ion: 83 Resp: 79591

Ion Ratio Lower Upper

83 100

85 63.8 45.2 84.0

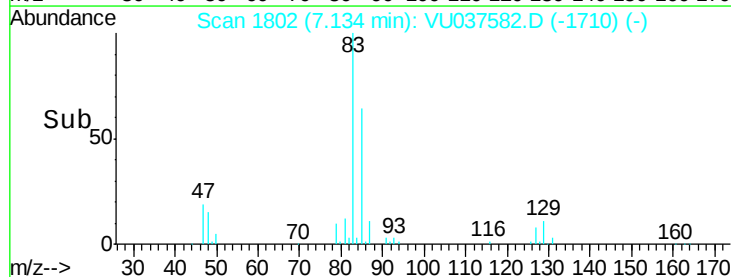
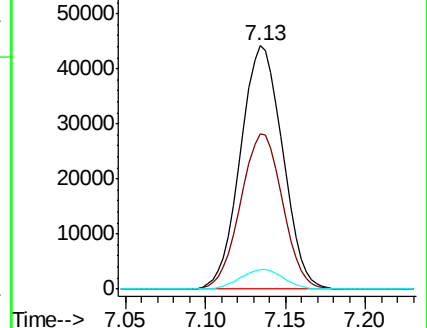
127 8.2 7.0 10.4

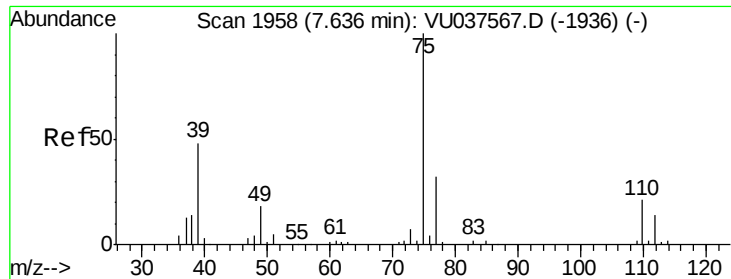


Abundance Ion 83.00 (82.70 to 83.70): VU037567.D (-1789) (-)

Ion 85.00 (84.70 to 85.70): VU037567.D (-1789) (-)

Ion 127.00 (126.70 to 127.70): VU037567.D (-1789) (-)

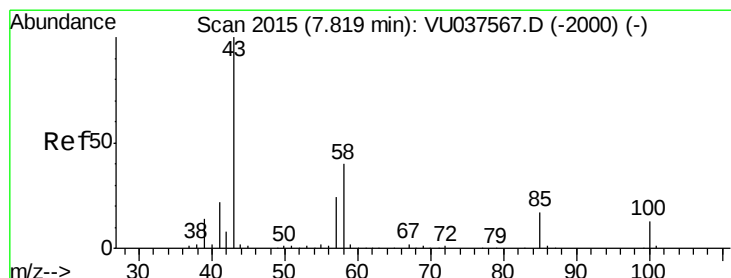
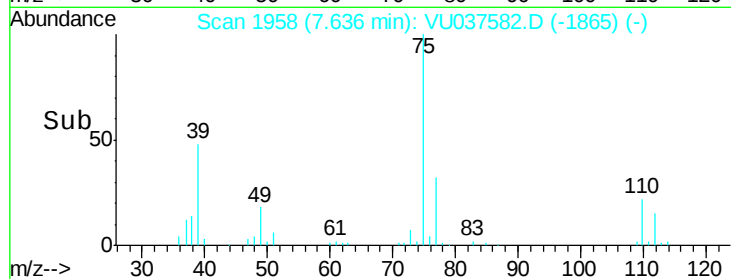
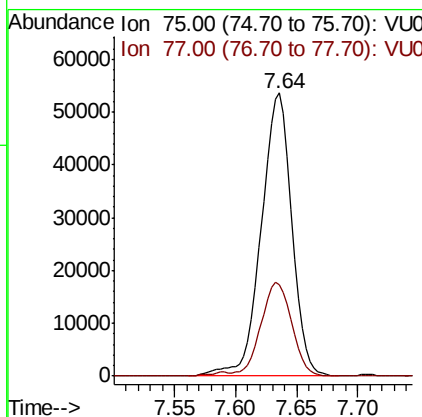
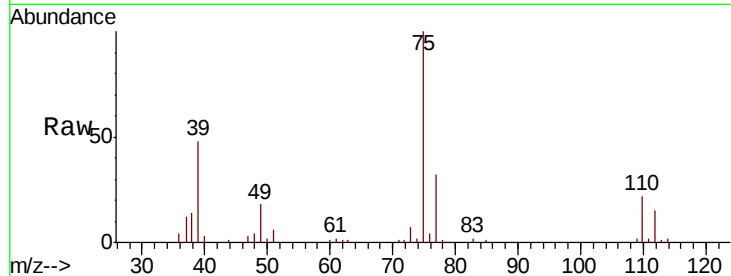




#39
 cis-1,3-Dichloropropene
 Concen: 48.539 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VU037582.D
 Acq: 03 Apr 2020 21:18

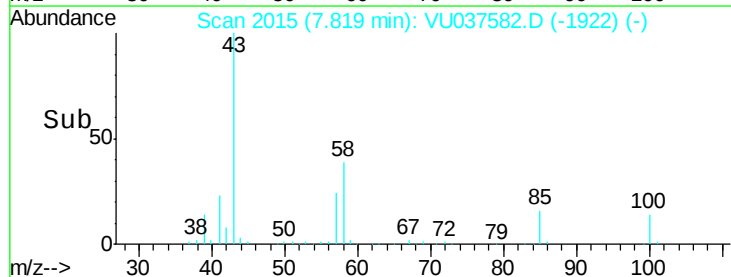
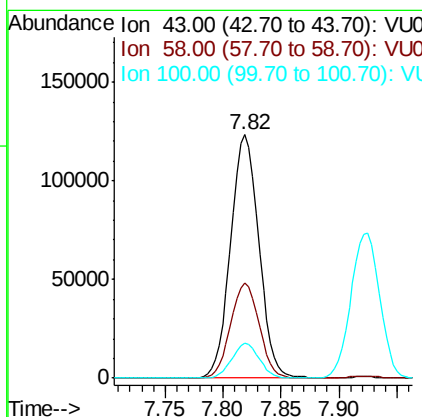
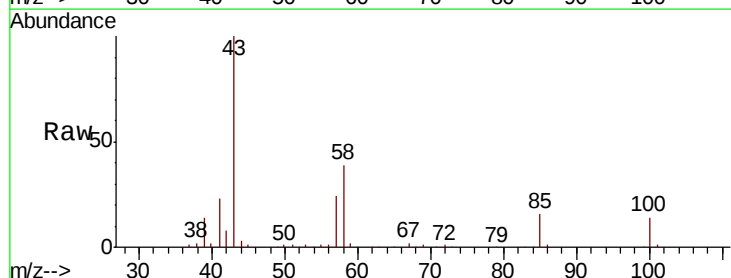
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

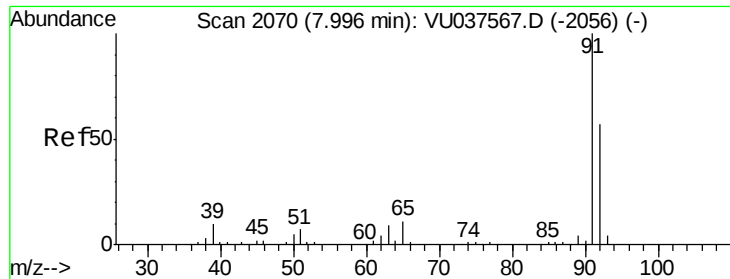
Tot Ion: 75 Resp: 93512
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 104.452 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU037582.D
 Acq: 03 Apr 2020 21:18

Tgt Ion: 43 Resp: 209064
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.4 47.0
 100 13.8 11.0 16.4





#42

Toluene

Concen: 48.392 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037582.D

Acq: 03 Apr 2020 21:18

Instrument :

MSVOA_U

ClientSampleId :

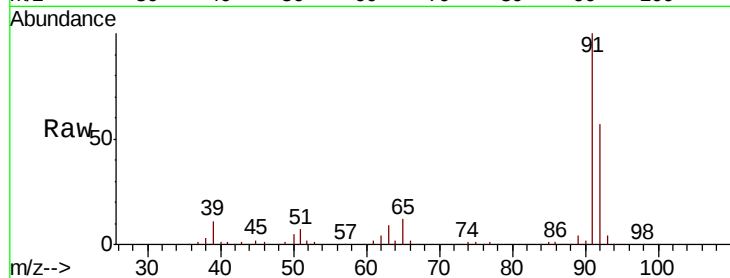
VSTD05058

Tot Ion: 91 Resp: 226700

Ion Ratio Lower Upper

91 100

92 57.2 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU037567.D (-2056) (-)

Ion 92.00 (91.70 to 92.70): VU037567.D (-2056) (-)

7.99

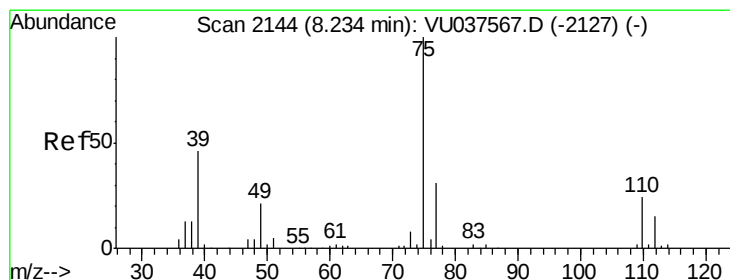
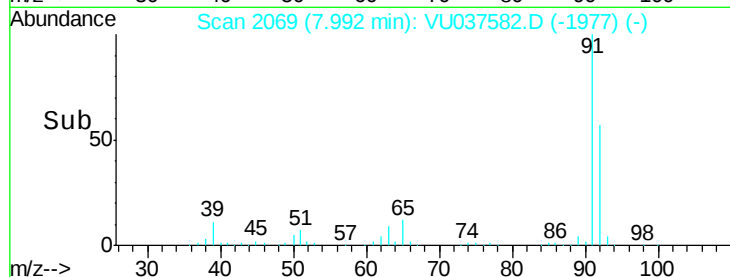
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.509 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037582.D

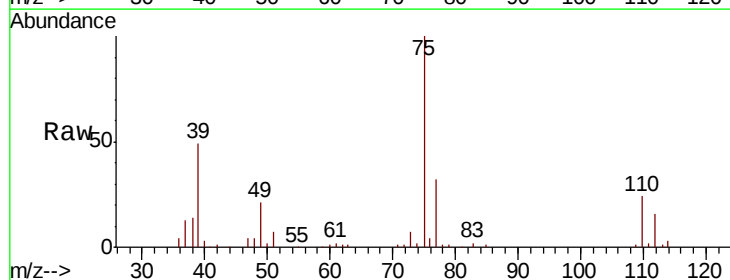
Acq: 03 Apr 2020 21:18

Tgt Ion: 75 Resp: 93928

Ion Ratio Lower Upper

75 100

77 31.8 23.4 43.6



Abundance Ion 75.00 (74.70 to 75.70): VU037567.D (-2127) (-)

Ion 77.00 (76.70 to 77.70): VU037567.D (-2127) (-)

8.23

60000

50000

40000

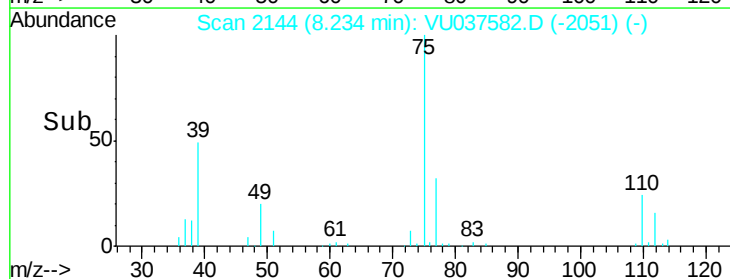
30000

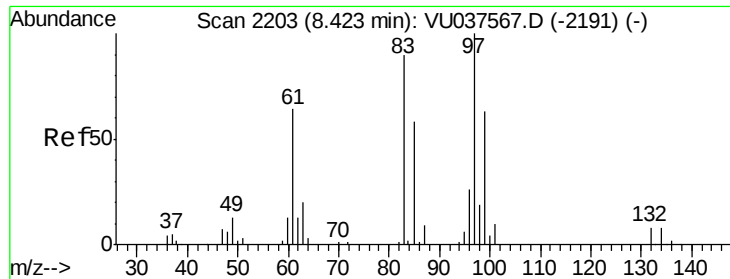
20000

10000

0

Time-->

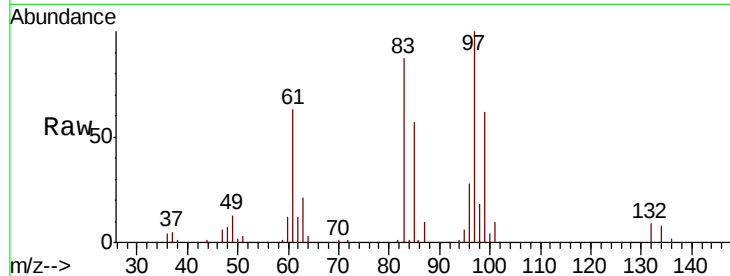




#45
 1,1,2-Trichloroethane
 Concen: 51.056 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: VU037582.D
 Acq: 03 Apr 2020 21:18

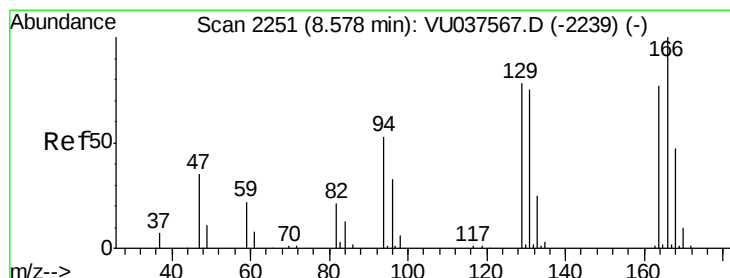
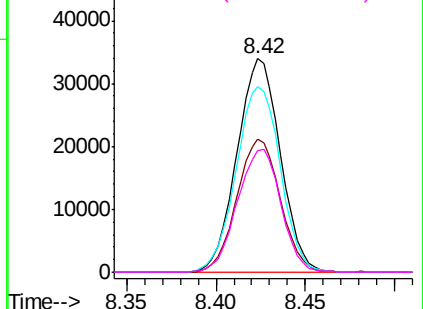
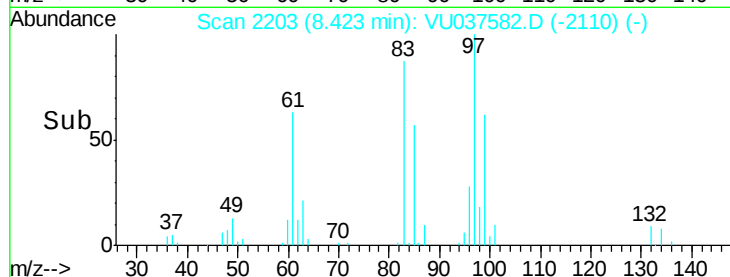
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Tot Ion:	97	Resp:	57496
Ion	Ratio	Lower	Upper
97	100		
99	62.1	43.3	80.5
83	87.1	60.8	112.8
85	56.8	37.9	70.5



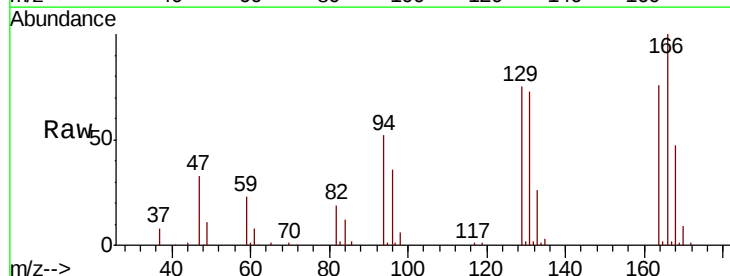
Abundance

Ion 97.00 (96.70 to 97.70): VU037582.D (-2110) (-)



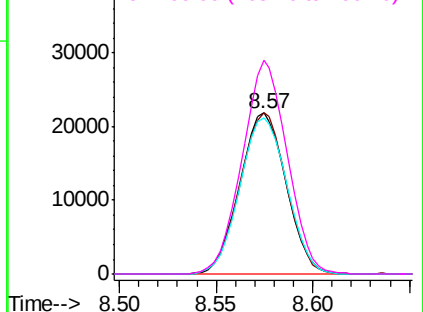
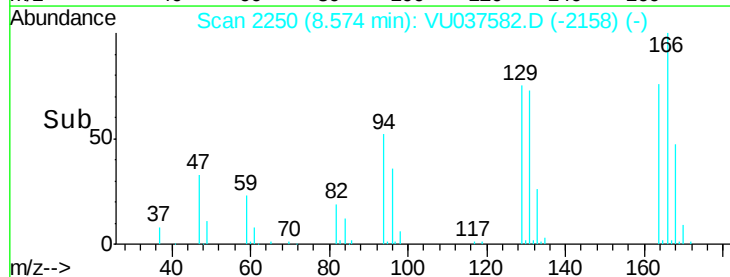
#46
 Tetrachloroethene
 Concen: 47.928 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU037582.D
 Acq: 03 Apr 2020 21:18

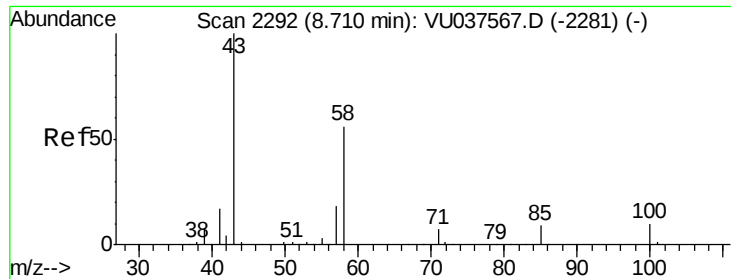
Tgt Ion:	164	Resp:	36427
Ion	Ratio	Lower	Upper
164	100		
129	99.9	76.5	142.1
131	97.0	71.7	133.1
166	132.4	88.8	165.0



Abundance

Ion 164.00 (163.70 to 164.70): VU037582.D (-2158) (-)

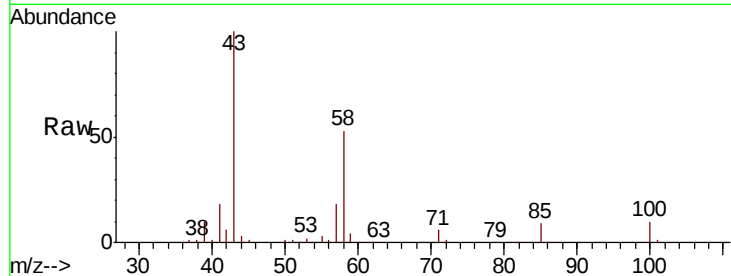




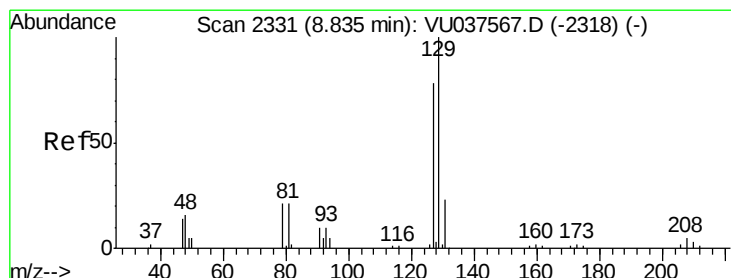
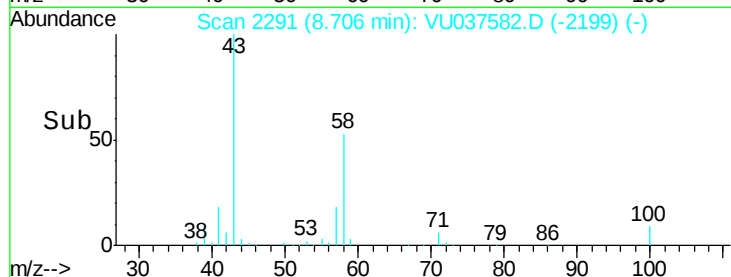
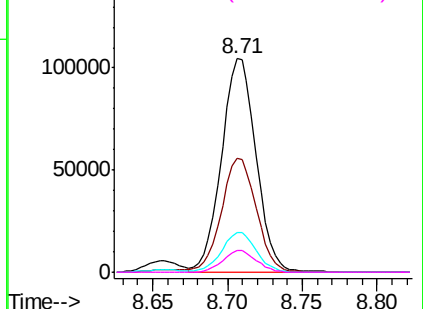
#48
2-Hexanone
Concen: 107.729 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU037582.D
Acq: 03 Apr 2020 21:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

Tot Ion: 43 Resp: 167682
Ion Ratio Lower Upper
43 100
58 54.2 44.4 66.6
57 18.6 15.1 22.7
100 9.9 8.7 13.1

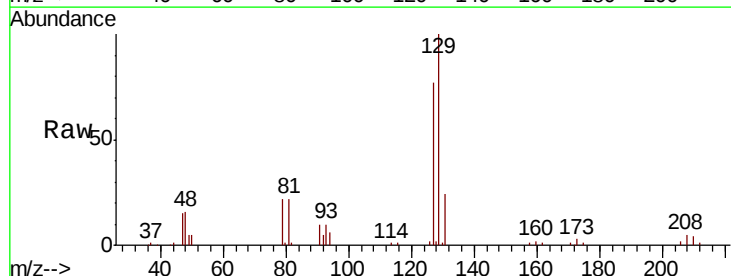


Abundance Ion 43.00 (42.70 to 43.70): VU037567.D (-2281) (-)
Ion 58.00 (57.70 to 58.70): VU037567.D (-2281) (-)
Ion 57.00 (56.70 to 57.70): VU037567.D (-2281) (-)
Ion 100.00 (99.70 to 100.70): VU037567.D (-2281) (-)

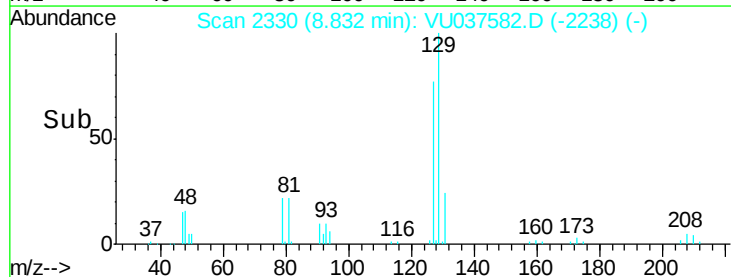
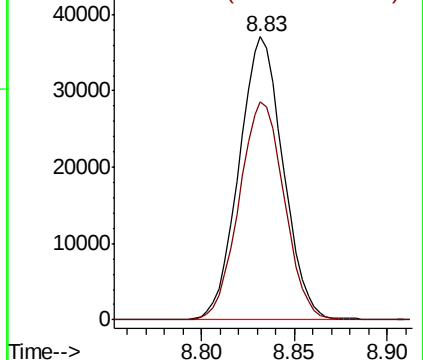


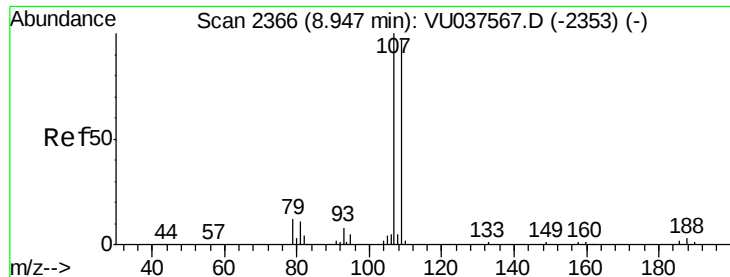
#49
Dibromochloromethane
Concen: 48.769 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU037582.D
Acq: 03 Apr 2020 21:18

Tgt Ion: 129 Resp: 61258
Ion Ratio Lower Upper
129 100
127 76.9 55.0 102.2



Abundance Ion 129.00 (128.70 to 129.70): VU037567.D (-2318) (-)
Ion 127.00 (126.70 to 127.70): VU037567.D (-2318) (-)

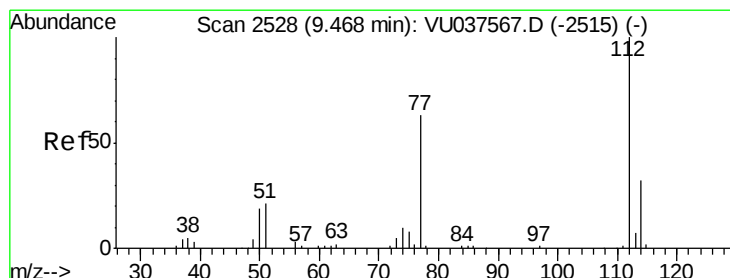
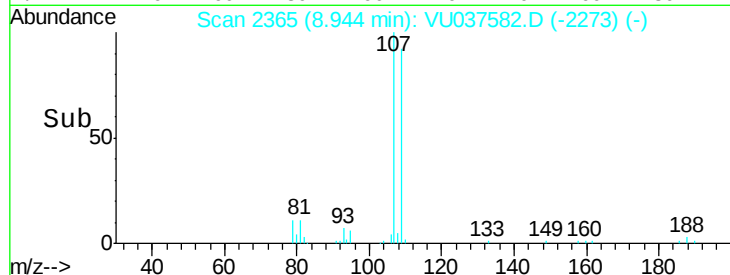
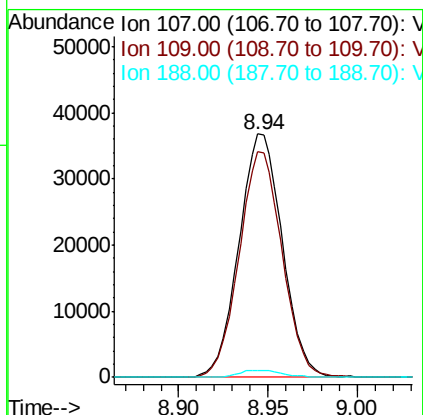
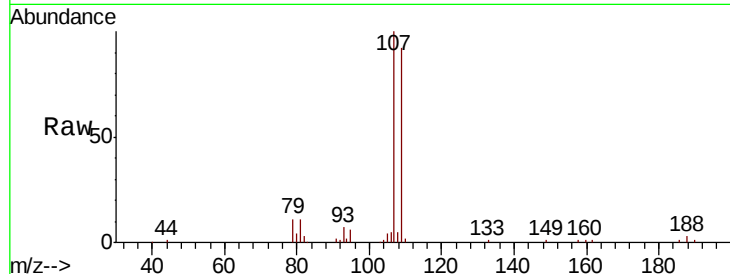




#50
 1,2-Dibromoethane
 Concen: 50.415 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: VU037582.D
 Acq: 03 Apr 2020 21:18

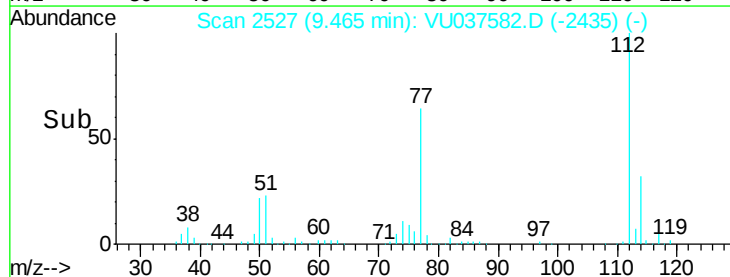
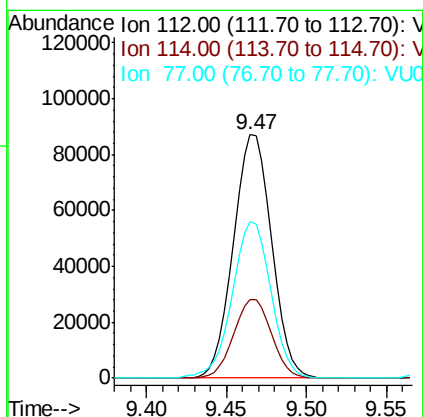
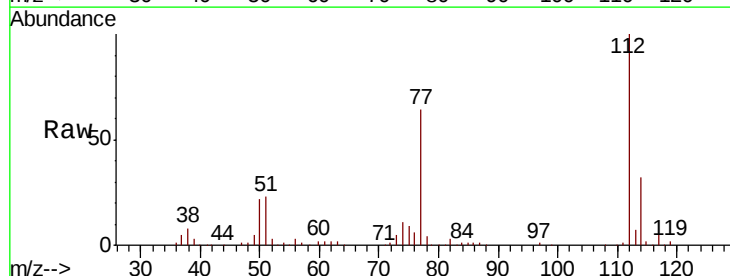
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

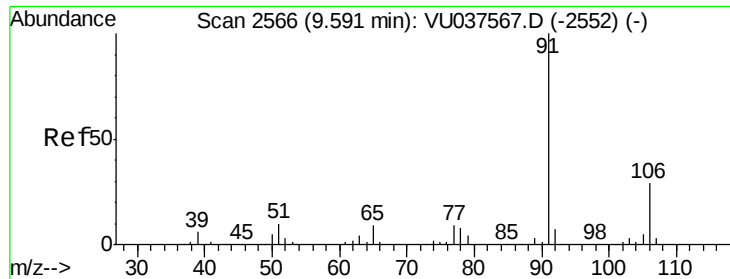
Tot Ion:107 Resp: 62439
 Ion Ratio Lower Upper
 107 100
 109 92.5 64.1 119.1
 188 3.0 2.3 3.5



#51
 Chlorobenzene
 Concen: 48.879 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU037582.D
 Acq: 03 Apr 2020 21:18

Tgt Ion:112 Resp: 142028
 Ion Ratio Lower Upper
 112 100
 114 32.3 21.0 39.0
 77 64.5 50.2 75.4

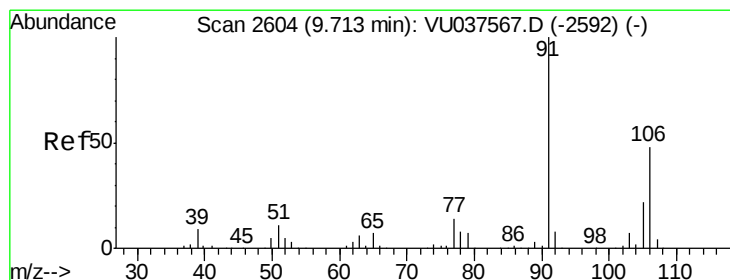
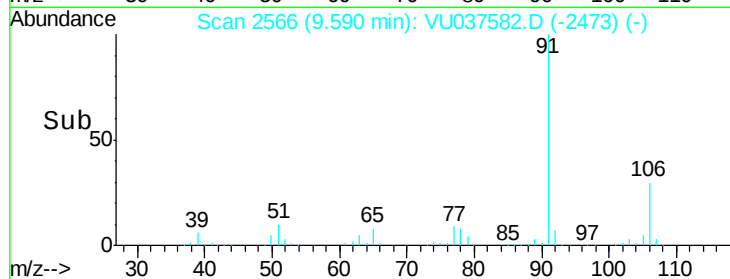
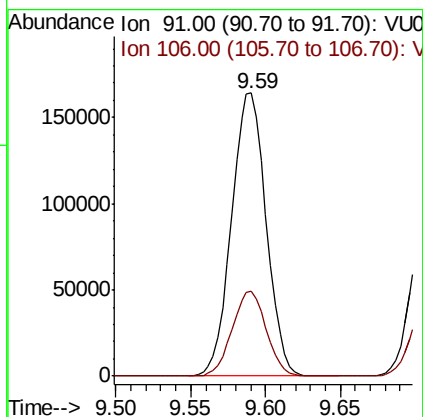
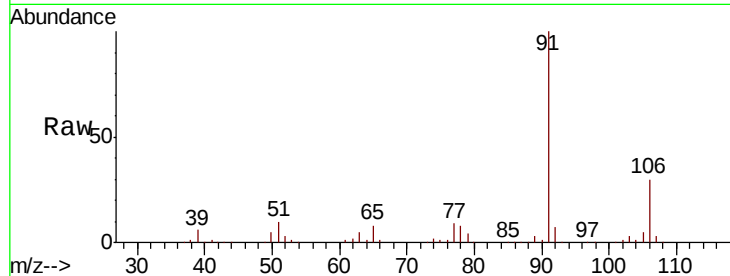




#52
Ethylbenzene
Concen: 49.856 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VU037582.D
Acq: 03 Apr 2020 21:18

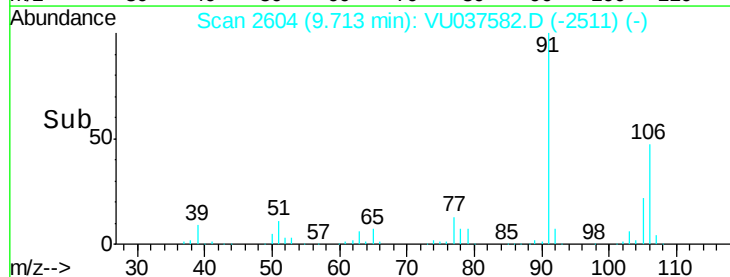
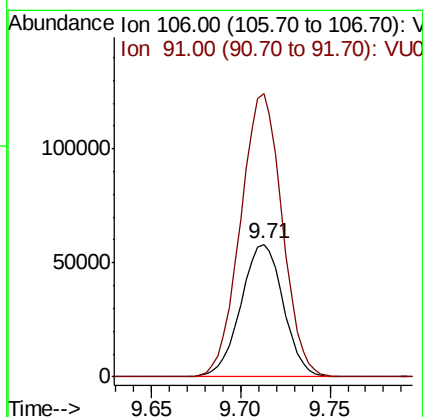
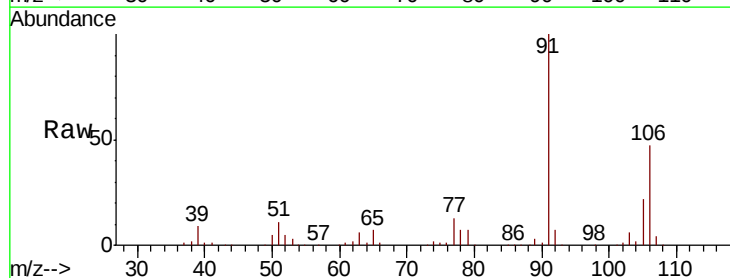
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

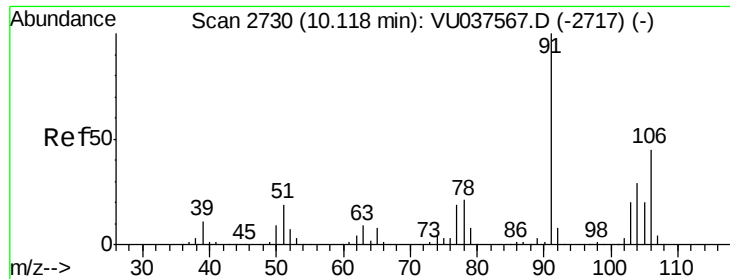
Tot Ion: 91 Resp: 264126
Ion Ratio Lower Upper
91 100
106 29.8 20.8 38.6



#53
m,p-Xylene
Concen: 48.873 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. -0.00 min
Lab File: VU037582.D
Acq: 03 Apr 2020 21:18

Tgt Ion: 106 Resp: 96576
Ion Ratio Lower Upper
106 100
91 213.1 148.8 276.4





#54

o-xylene

Concen: 50.100 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU037582.D

Acq: 03 Apr 2020 21:18

Instrument :

MSVOA_U

ClientSampleId :

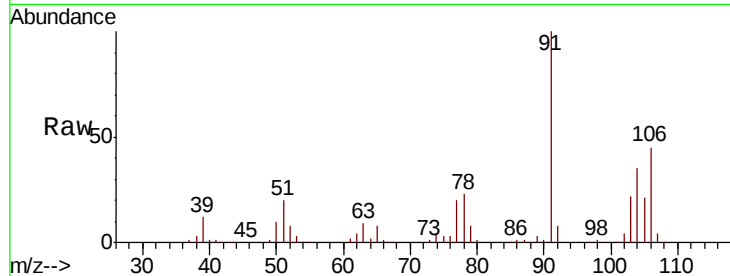
VSTD05058

Tot Ion:106 Resp: 95420

Ion Ratio Lower Upper

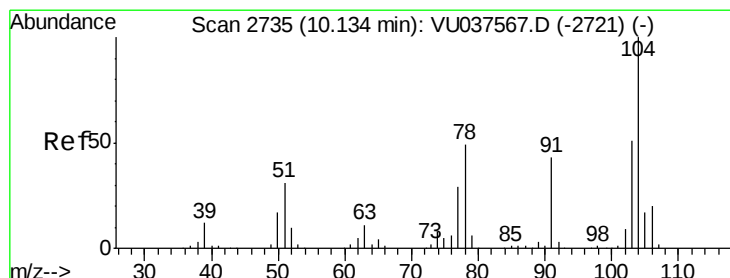
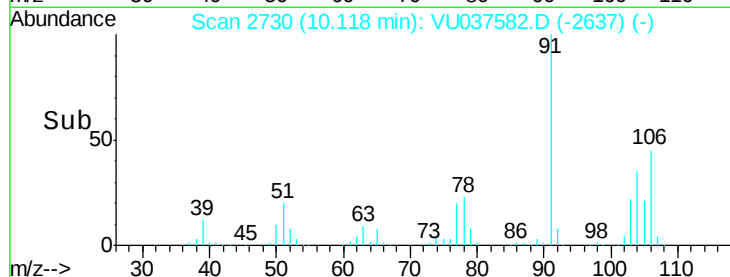
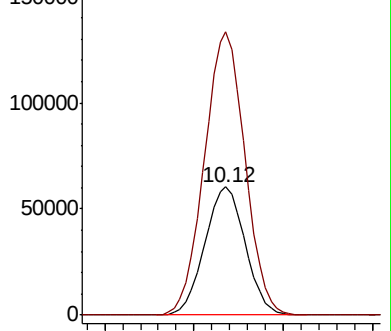
106 100

91 220.4 152.6 283.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 49.598 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU037582.D

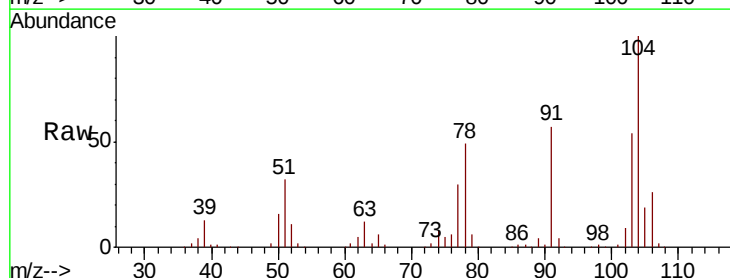
Acq: 03 Apr 2020 21:18

Tgt Ion:104 Resp: 167265

Ion Ratio Lower Upper

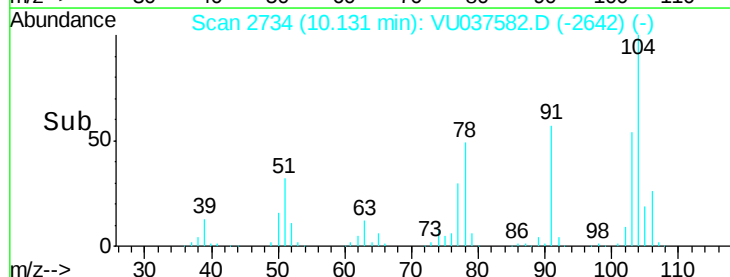
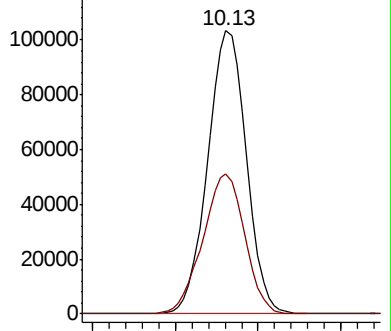
104 100

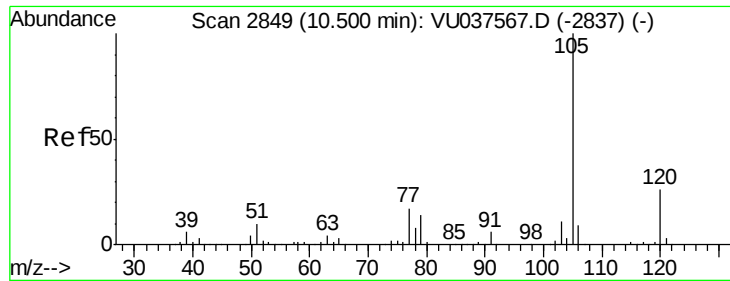
78 49.5 34.9 64.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 49.562 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU037582.D

Acq: 03 Apr 2020 21:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

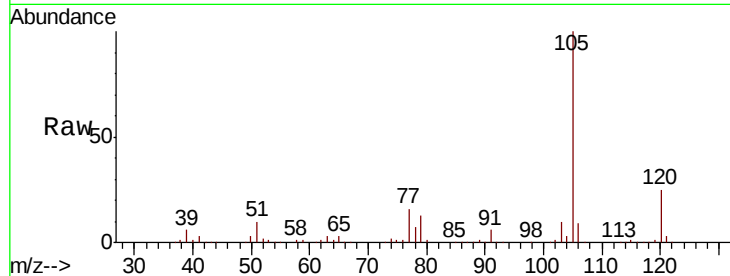
Tot Ion:105 Resp: 255935

Ion Ratio Lower Upper

105 100

120 25.6 20.7 31.1

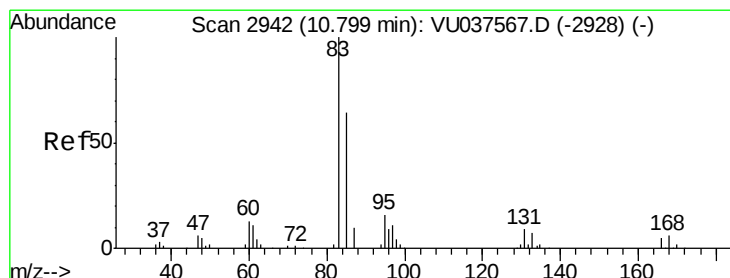
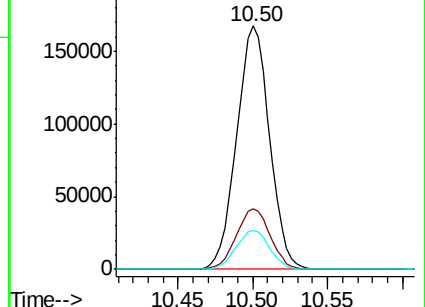
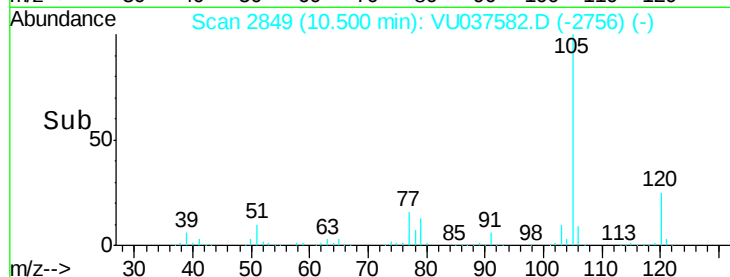
77 16.4 13.4 20.0



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: 51.794 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU037582.D

Acq: 03 Apr 2020 21:18

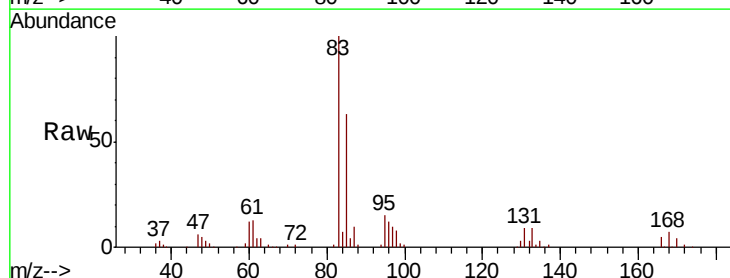
Tgt Ion: 83 Resp: 105149

Ion Ratio Lower Upper

83 100

85 63.3 44.2 82.2

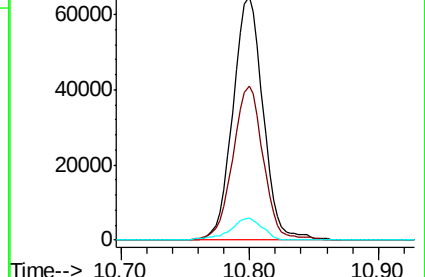
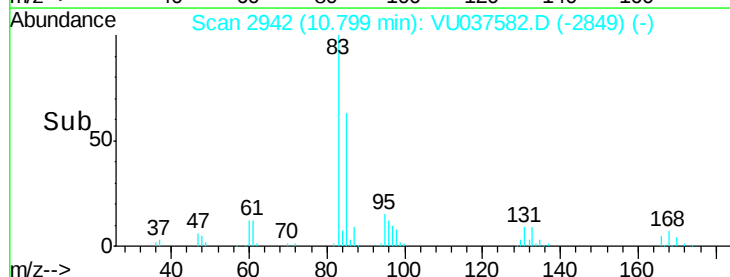
131 8.9 7.2 10.8

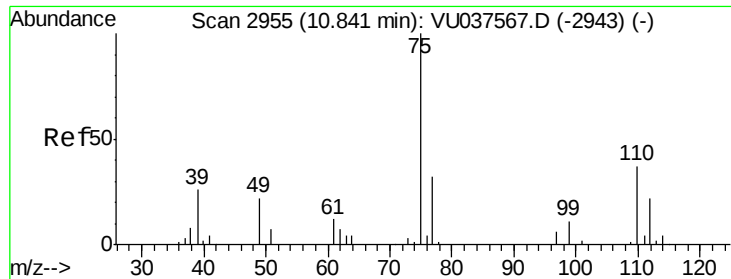


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

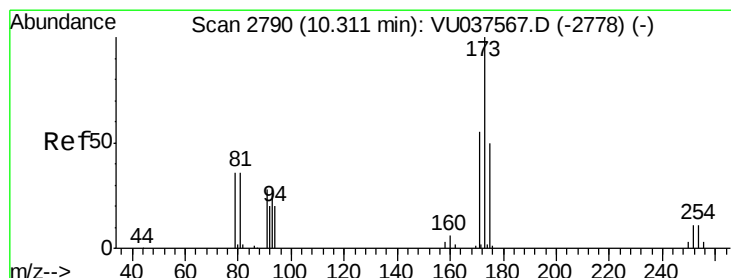
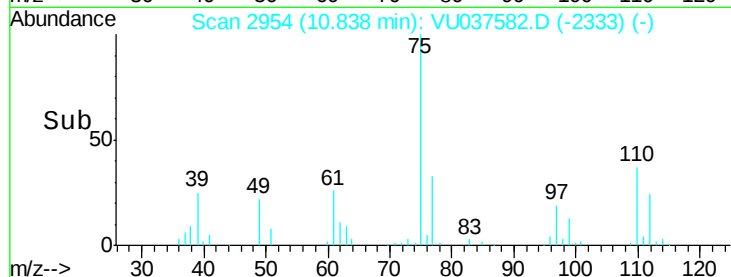
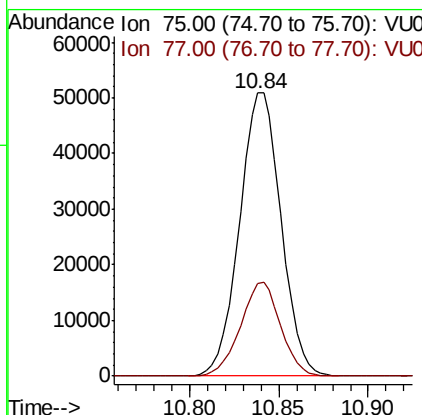
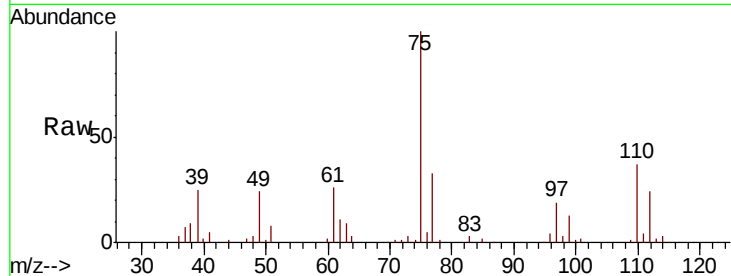




#59
 1,2,3-Trichloropropane
 Concen: 52.159 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU037582.D
 Acq: 03 Apr 2020 21:18

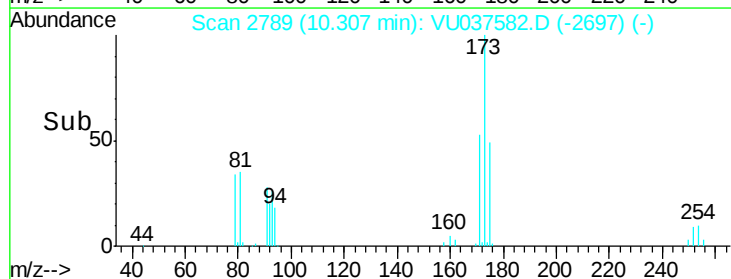
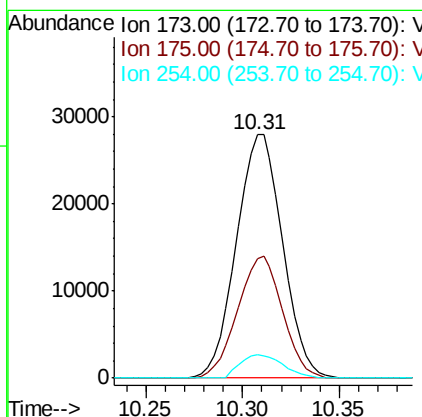
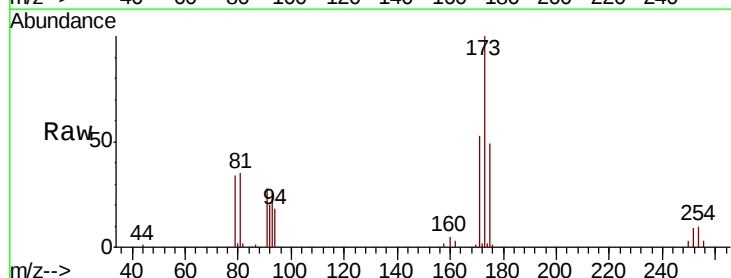
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

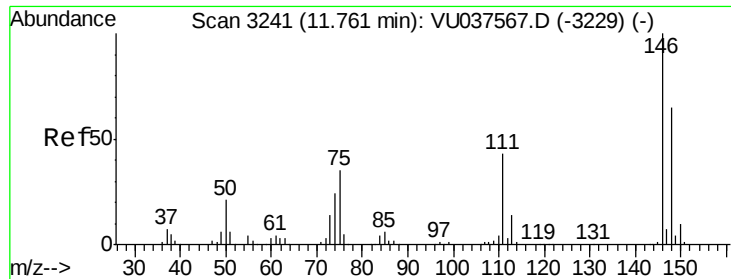
Tot Ion: 75 Resp: 82705
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.5 38.3



#61
 Bromoform
 Concen: 51.788 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: VU037582.D
 Acq: 03 Apr 2020 21:18

Tgt Ion:173 Resp: 46490
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.6 58.0
 254 8.8 7.4 11.2

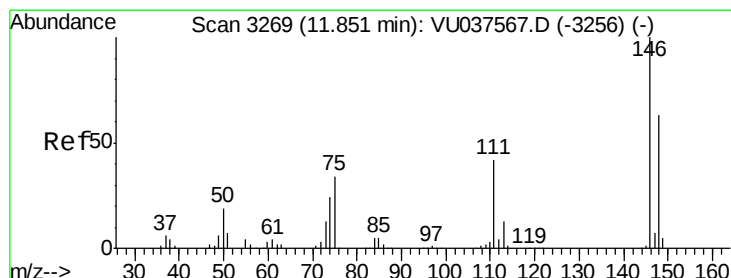
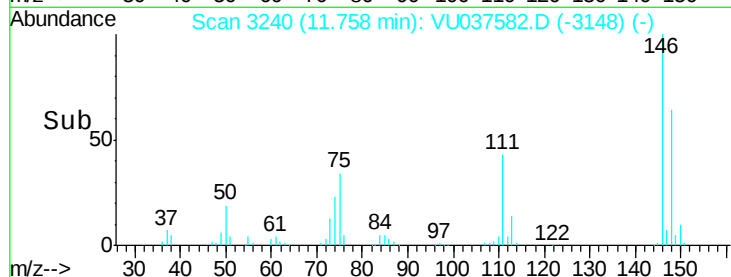
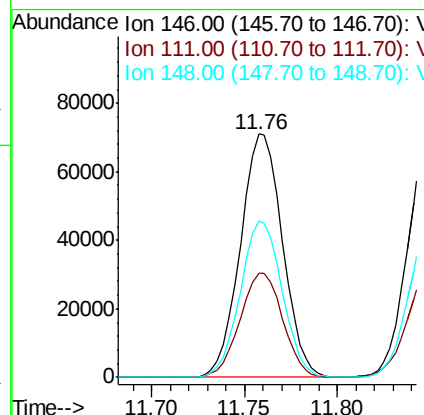
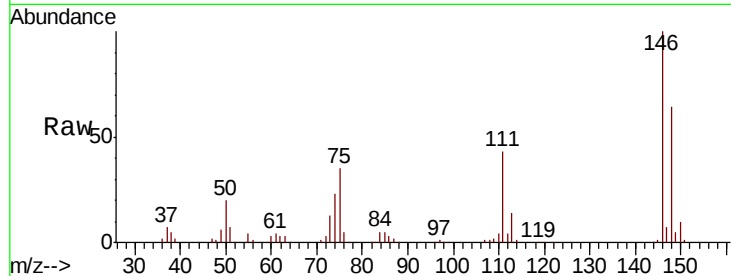




#62
 1,3-Dichlorobenzene
 Concen: 49.389 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU037582.D
 Acq: 03 Apr 2020 21:18

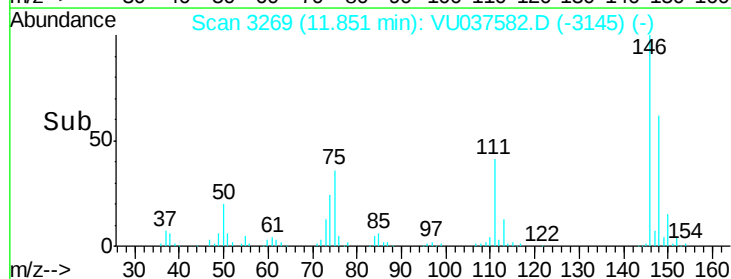
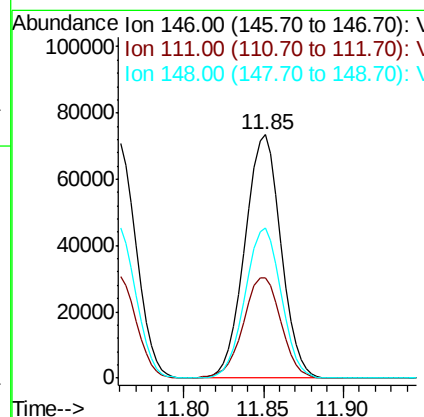
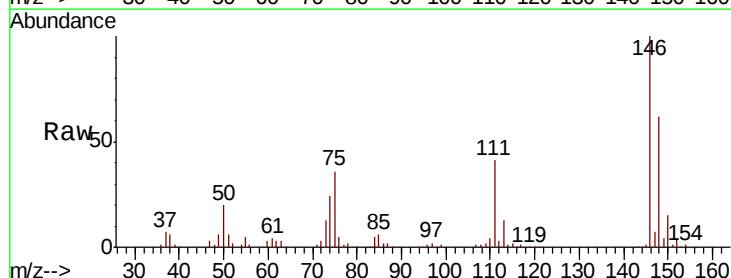
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

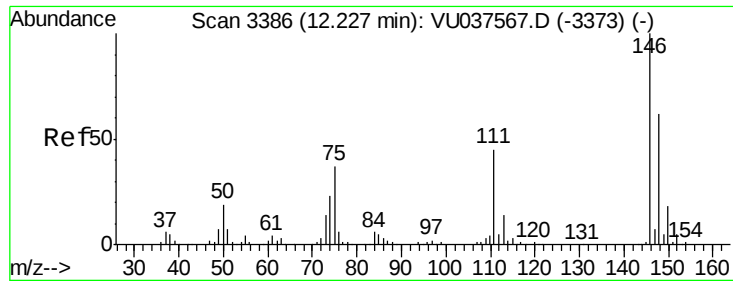
Tot Ion:146 Resp: 111985
 Ion Ratio Lower Upper
 146 100
 111 42.9 31.1 57.7
 148 64.3 44.4 82.5



#63
 1,4-Dichlorobenzene
 Concen: 49.176 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU037582.D
 Acq: 03 Apr 2020 21:18

Tgt Ion:146 Resp: 112538
 Ion Ratio Lower Upper
 146 100
 111 41.1 30.1 55.9
 148 61.7 44.7 82.9

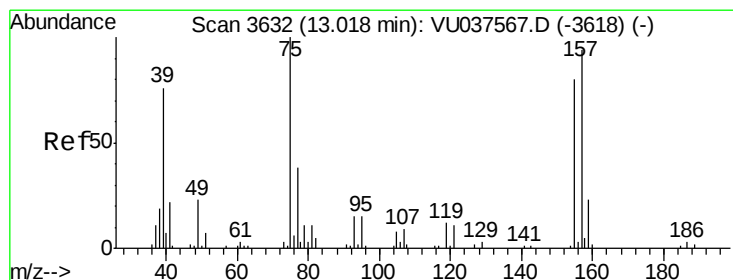
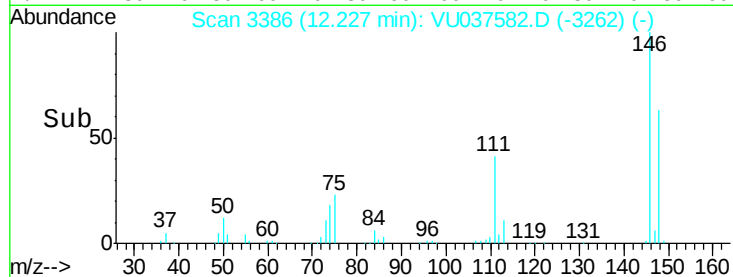
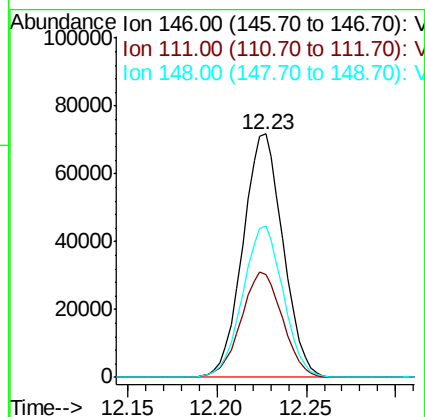
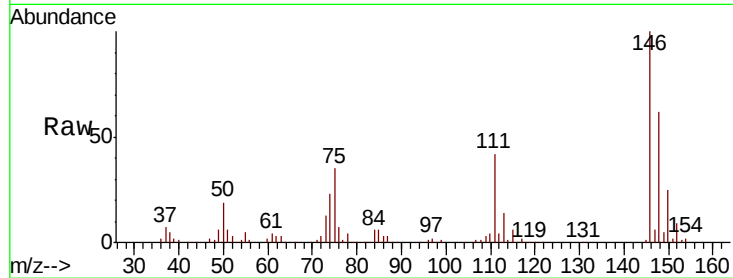




#65
 1,2-Dichlorobenzene
 Concen: 50.418 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU037582.D
 Acq: 03 Apr 2020 21:18

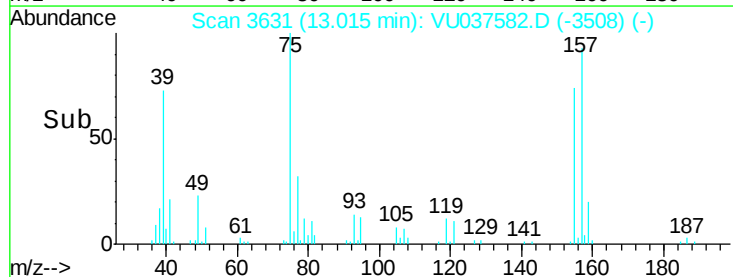
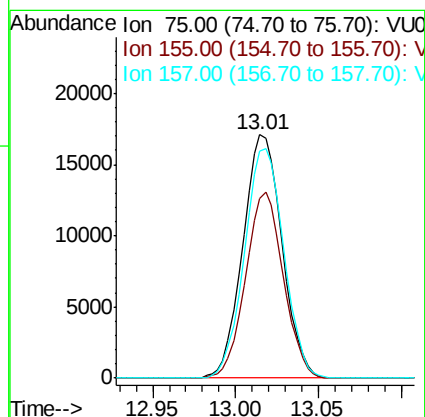
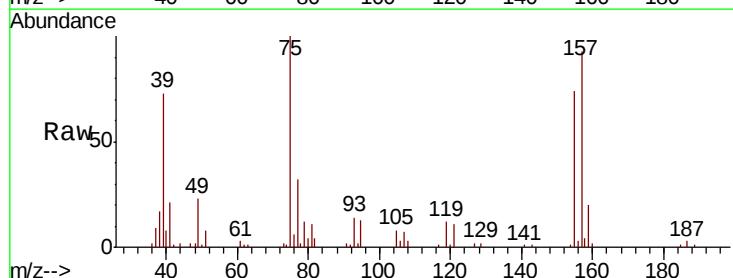
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

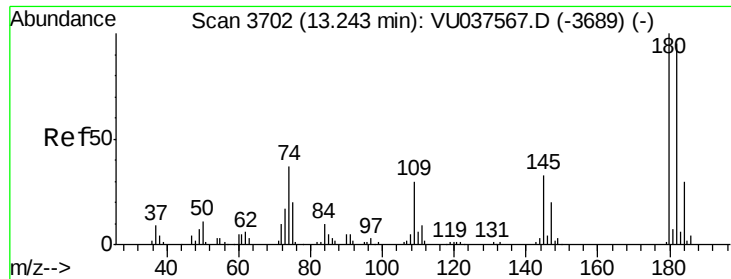
Tot Ion:146 Resp: 113195
 Ion Ratio Lower Upper
 146 100
 111 42.5 35.6 53.4
 148 62.1 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.994 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU037582.D
 Acq: 03 Apr 2020 21:18

Tgt Ion: 75 Resp: 28000
 Ion Ratio Lower Upper
 75 100
 155 73.8 56.6 85.0
 157 93.3 72.4 108.6

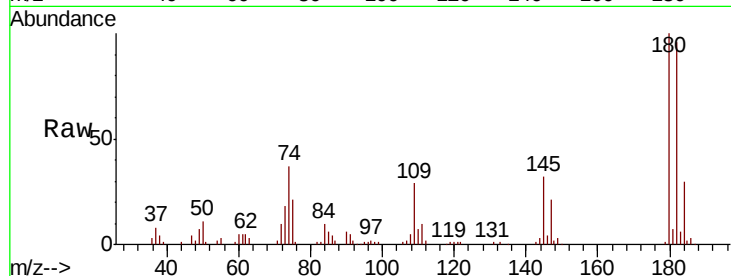




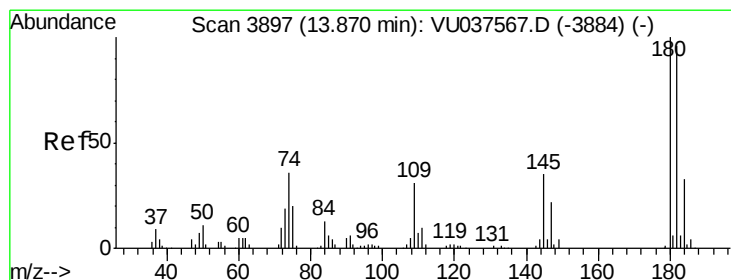
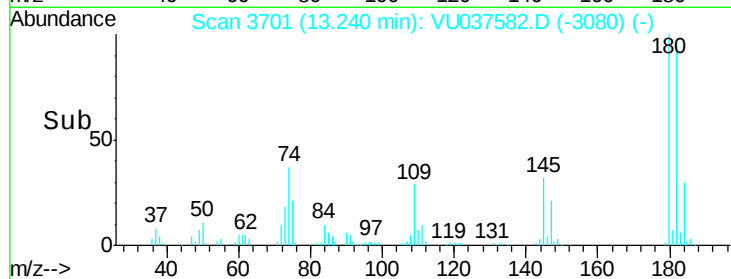
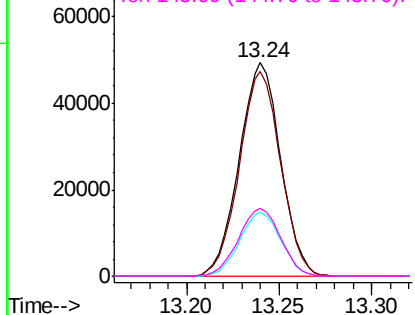
#67
 1,3,5-Trichlorobenzene
 Concen: 48.657 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU037582.D
 Acq: 03 Apr 2020 21:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Tot Ion:180 Resp: 76578
 Ion Ratio Lower Upper
 180 100
 182 95.2 74.9 112.3
 184 30.1 23.6 35.4
 145 32.2 25.7 38.5

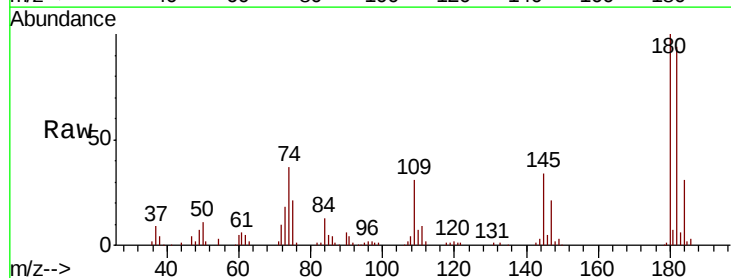


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

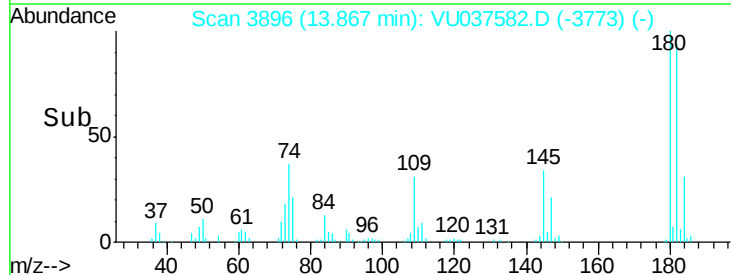
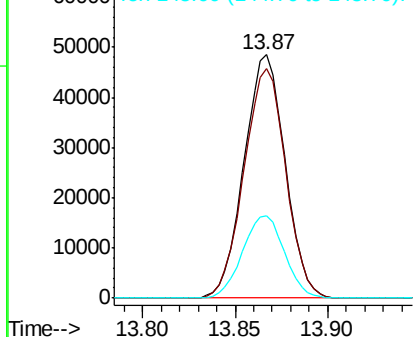


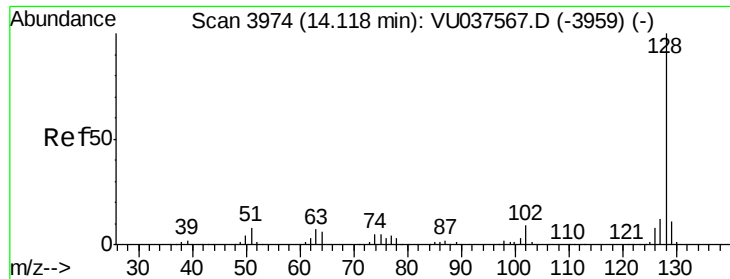
#68
 1,2,4-trichlorobenzene
 Concen: 50.044 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU037582.D
 Acq: 03 Apr 2020 21:18

Tgt Ion:180 Resp: 75084
 Ion Ratio Lower Upper
 180 100
 182 95.7 74.4 111.6
 145 34.5 26.9 40.3



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: 48.083 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU037582.D

Acq: 03 Apr 2020 21:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

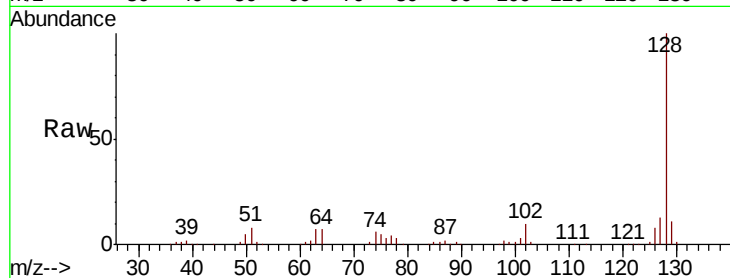
Tot Ion:128 Resp: 305636

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

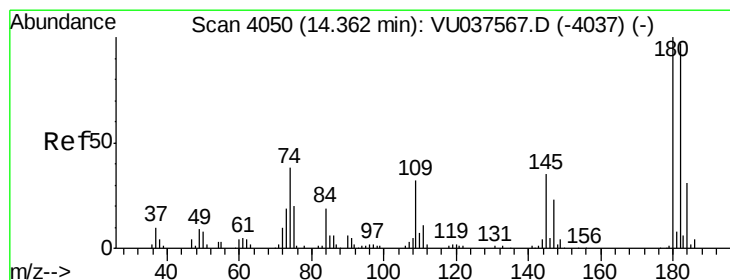
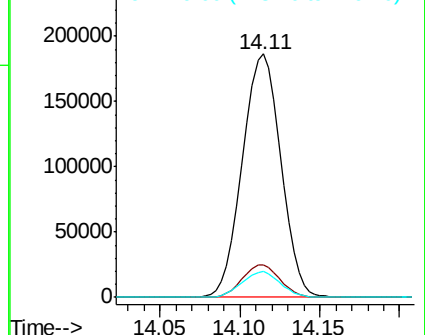
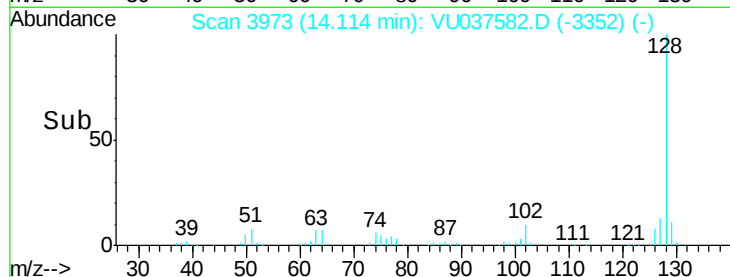
129 10.6 8.5 12.7



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: 50.628 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.00 min

Lab File: VU037582.D

Acq: 03 Apr 2020 21:18

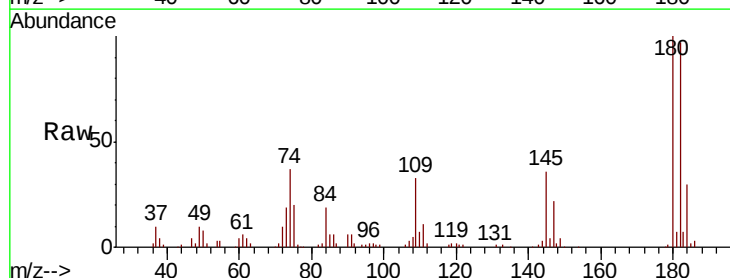
Tgt Ion:180 Resp: 76736

Ion Ratio Lower Upper

180 100

182 95.9 76.0 114.0

145 35.4 29.0 43.6



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

