

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061720\
 Data File : VU038960.D
 Acq On : 17 Jun 2020 22:16
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Quant Time: Jun 18 04:17:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 18 04:07:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	295071	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	294341	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	150465	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	86799	4.24	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.80%
7) Chloroethane-d5	1.93	69	85998	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.00%
11) 1,1-Dichloroethene-d2	2.60	63	180172	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.80%
20) 2-Butanone-d5	4.68	46	313938	47.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.78%
24) Chloroform-d	5.10	84	182778	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.74	65	110924	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.76	84	411699	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.00%
36) 1,2-Dichloropropane-d6	6.72	67	107263	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.20%
41) Toluene-d8	7.92	98	304063	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
43) trans-1,3-Dichloropropene-	8.20	79	48537	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	8.65	63	279881	48.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.48%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	103619	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	121859	4.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	126169	4.533 ug/L	98
3) Chloromethane	1.53	50	117795	4.256 ug/L	98
5) Vinyl chloride	1.62	62	125272	4.521 ug/L	97
6) Bromomethane	1.88	94	42628	2.707 ug/L	92
8) Chloroethane	1.95	64	90741	5.158 ug/L	98
9) Trichlorofluoromethane	2.16	101	195252	4.637 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	95150	4.394 ug/L	100
12) 1,1-Dichloroethene	2.61	96	95001	4.578 ug/L	95
13) Acetone	2.69	43	211427	47.323 ug/L	98
14) Carbon disulfide	2.82	76	314519	4.492 ug/L	100
15) Methyl Acetate	2.99	43	51065	4.674 ug/L	94
16) Methylene chloride	3.08	84	112879	4.730 ug/L	95
17) Methyl tert-butyl Ether	3.40	73	261205	4.789 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	102918	4.726 ug/L	95
19) 1,1-Dichloroethane	3.91	63	192332	4.865 ug/L	97
21) 2-Butanone	4.76	43	351621	49.752 ug/L	95
22) cis-1,2-Dichloroethene	4.71	96	110959	4.962 ug/L	95

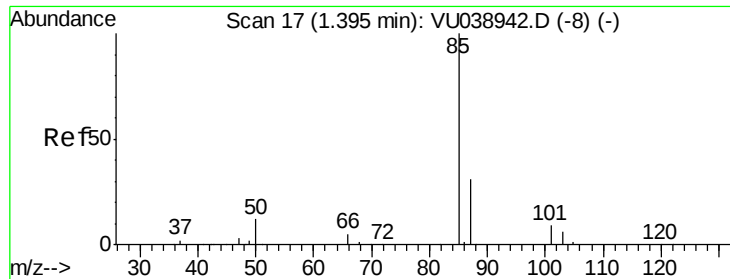
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061720\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	50931	4.808	ug/L	94
25) Chloroform	5.13	83	194508	4.831	ug/L	98
27) 1,2-Dichloroethane	5.83	62	141038	4.812	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	172678	4.729	ug/L	98
30) Cyclohexane	5.42	56	147851	4.267	ug/L	100
31) Carbon tetrachloride	5.56	117	141083	4.383	ug/L	99
33) Benzene	5.81	78	416339	4.735	ug/L	100
34) Trichloroethene	6.57	95	116099	5.204	ug/L	95
35) Methylcyclohexane	6.79	83	152283	4.306	ug/L	98
37) 1,2-Dichloropropane	6.82	63	110195	4.799	ug/L	99
38) Bromodichloromethane	7.13	83	142176	4.762	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	159146	4.717	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	799845	50.554	ug/L	99
42) Toluene	7.99	91	441010	4.843	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	146660	4.729	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	85351	5.008	ug/L	99
47) Tetrachloroethene	8.57	164	77734	4.497	ug/L	98
48) 2-Hexanone	8.71	43	622548	51.940	ug/L	100
49) Dibromochloromethane	8.83	129	98535	4.826	ug/L	97
50) 1,2-Dibromoethane	8.94	107	81106	4.759	ug/L	97
51) Chlorobenzene	9.47	112	274606	4.639	ug/L	98
52) Ethylbenzene	9.59	91	457158	4.640	ug/L	100
53) m,p-Xylene	9.71	106	177353	4.666	ug/L	99
54) o-Xylene	10.12	106	169826	4.663	ug/L	99
55) Styrene	10.13	104	306556	4.885	ug/L	99
56) Isopropylbenzene	10.50	105	442785	4.568	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	110921	4.714	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	82173	4.641	ug/L	98
61) Bromoform	10.31	173	57029	4.684	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	224017	4.788	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	225112	4.675	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	216683	4.692	ug/L	96
66) 1,2-Dibromo-3-chloropropan	13.01	75	19587	4.206	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	166248	4.364	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	149223	4.338	ug/L	97
69) Naphthalene	14.11	128	292843	4.404	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	143621	4.506	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.533 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038960.D

Acq: 17 Jun 2020 22:16

Instrument :

MSVOA_U

ClientSampleId :

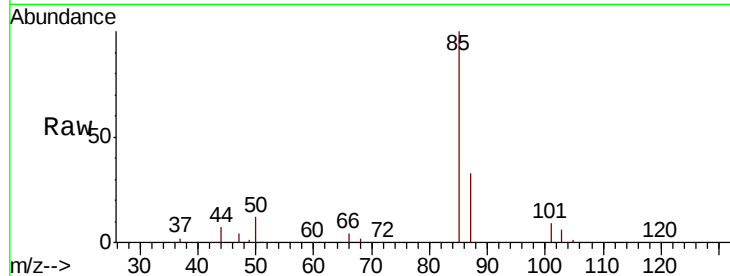
VSTD00529

Tot Ion: 85 Resp: 126169

Ion Ratio Lower Upper

85 100

87 32.7 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU038942.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU038942.D (-8) (-)

1.39

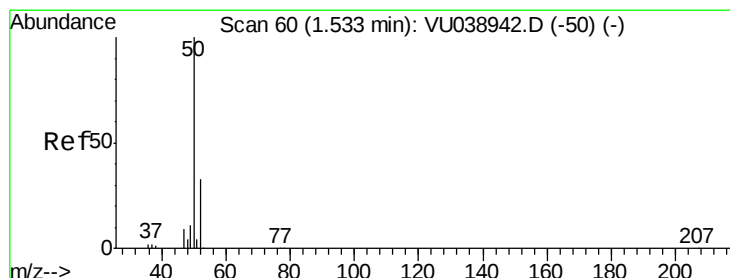
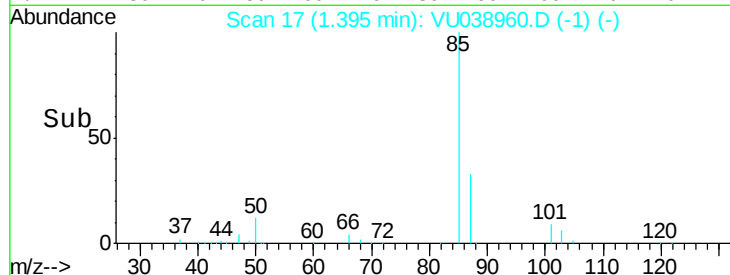
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.256 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038960.D

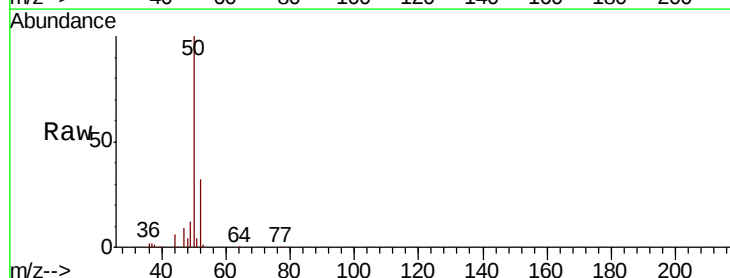
Acq: 17 Jun 2020 22:16

Tgt Ion: 50 Resp: 117795

Ion Ratio Lower Upper

50 100

52 32.2 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VU038942.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU038942.D (-50) (-)

1.53

120000

100000

80000

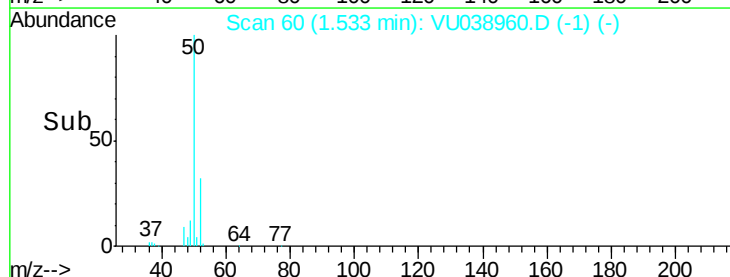
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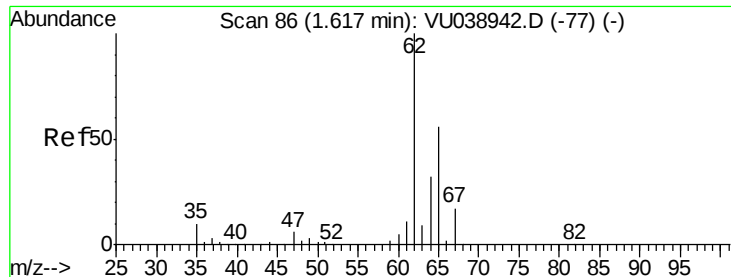
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 4.521 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038960.D

Acq: 17 Jun 2020 22:16

Instrument :

MSVOA_U

ClientSampleId :

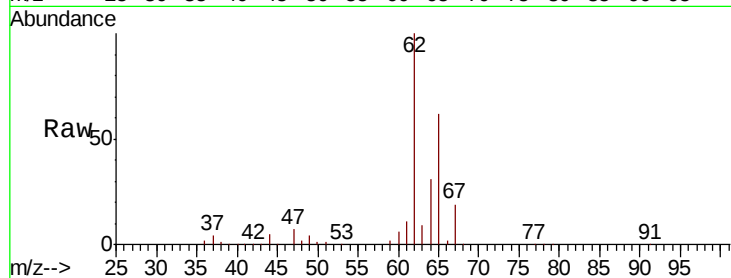
VSTD00529

Tot Ion: 62 Resp: 125272

Ion Ratio Lower Upper

62 100

64 31.5 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU038942.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU038942.D (-77) (-)

1.62

120000

100000

80000

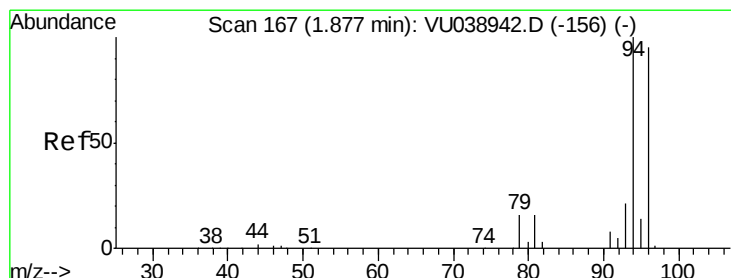
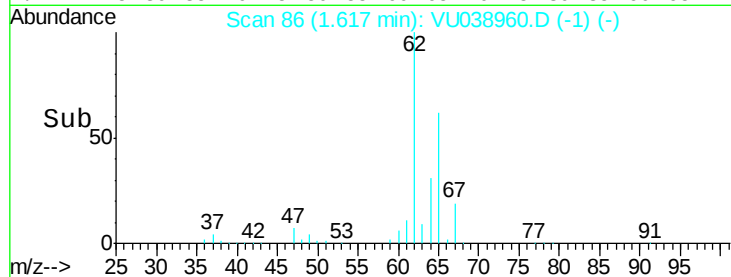
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 2.707 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU038960.D

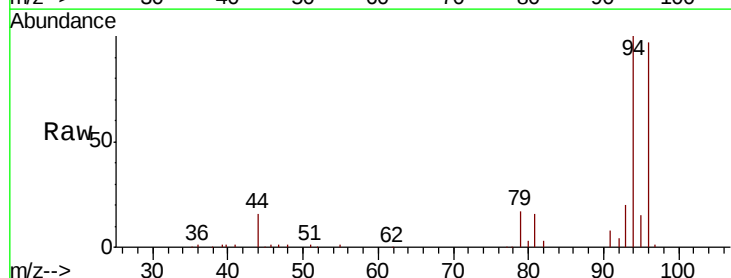
Acq: 17 Jun 2020 22:16

Tgt Ion: 94 Resp: 42628

Ion Ratio Lower Upper

94 100

96 96.6 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU038942.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU038942.D (-156) (-)

1.88

40000

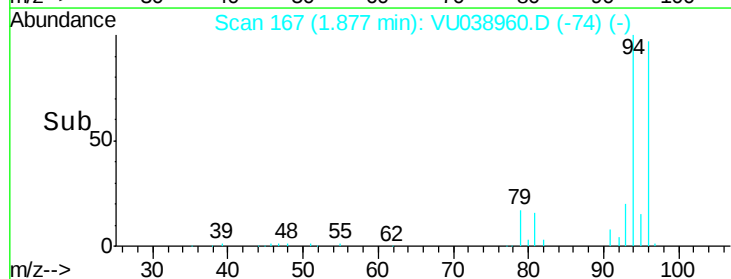
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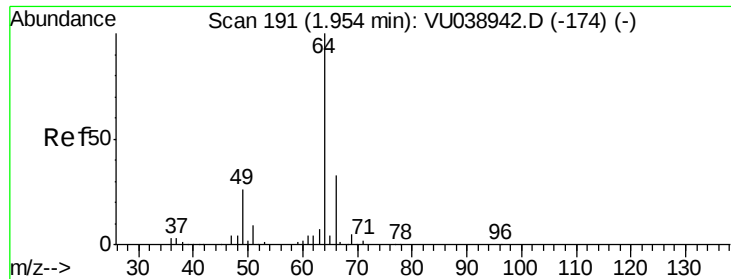
20000

10000

0

Time--> 1.85 1.90

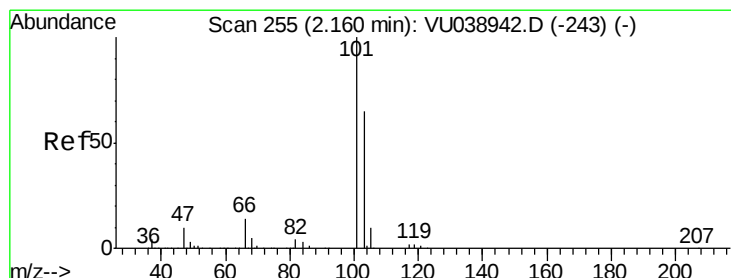
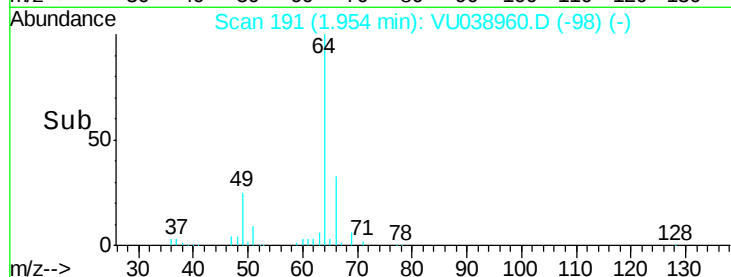
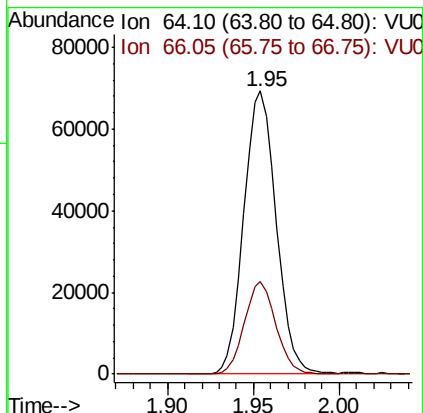
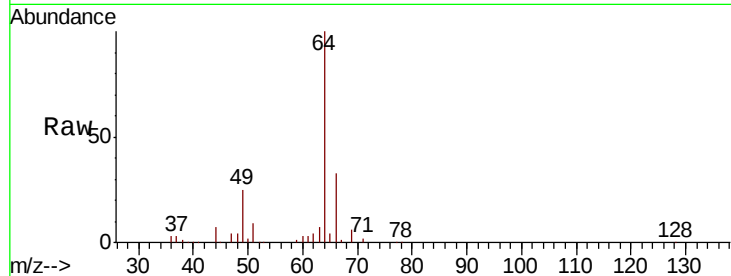




#8
Chloroethane
Concen: 5.158 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU038960.D
Acq: 17 Jun 2020 22:16

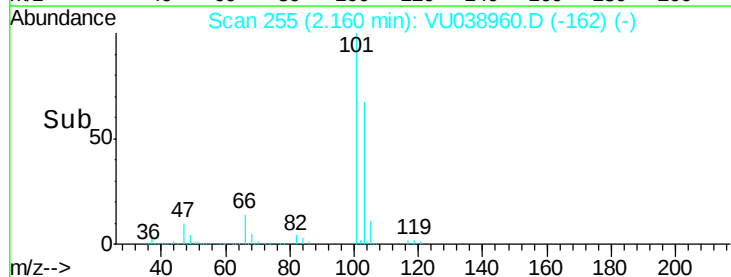
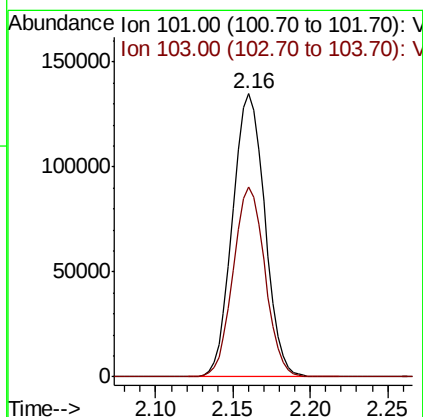
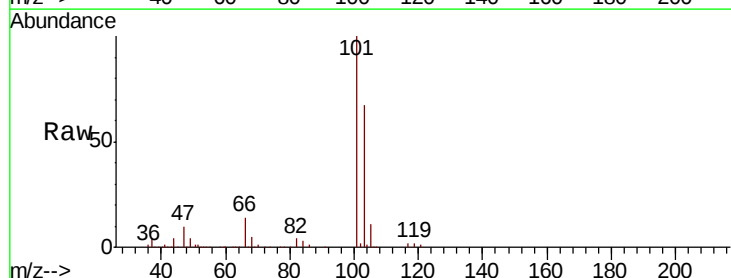
Instrument :
MSVOA_U
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VSTD00529

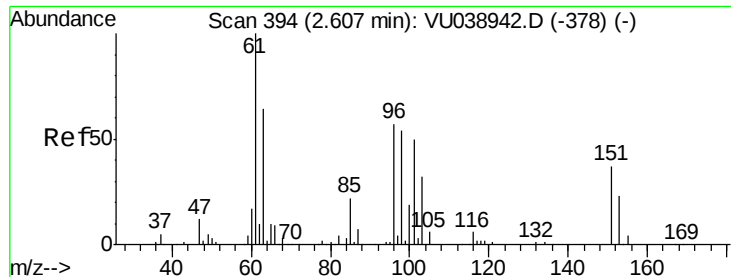
Tot Ion: 64 Resp: 90741
Ion Ratio Lower Upper
64 100
66 32.5 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.637 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU038960.D
Acq: 17 Jun 2020 22:16

Tgt Ion:101 Resp: 195252
Ion Ratio Lower Upper
101 100
103 66.0 51.4 77.2





#10

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

Concen: 4.394 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038960.D

Acq: 17 Jun 2020 22:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

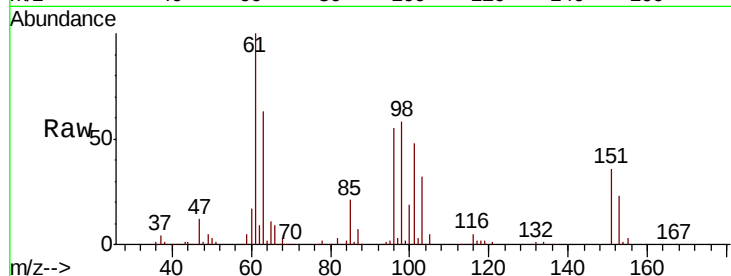
Tot Ion:101 Resp: 95150

Ion Ratio Lower Upper

101 100

85 44.2 35.7 53.5

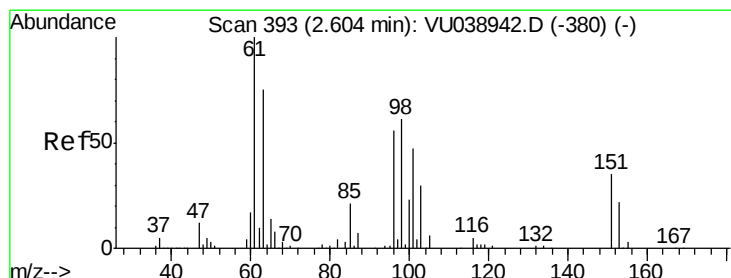
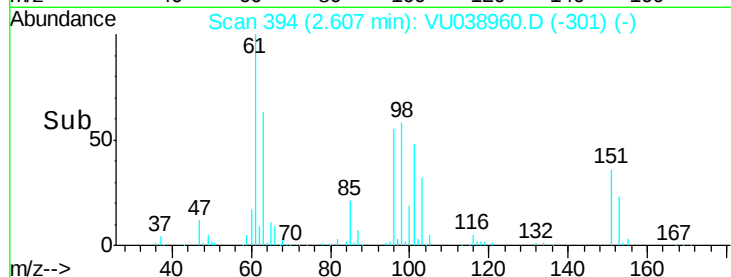
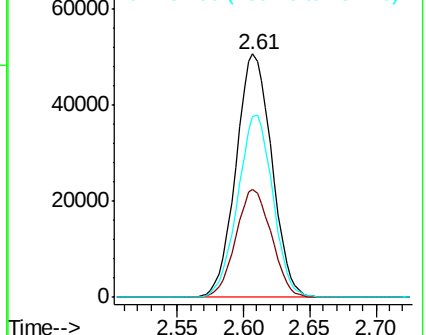
151 73.4 58.5 87.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.578 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038960.D

Acq: 17 Jun 2020 22:16

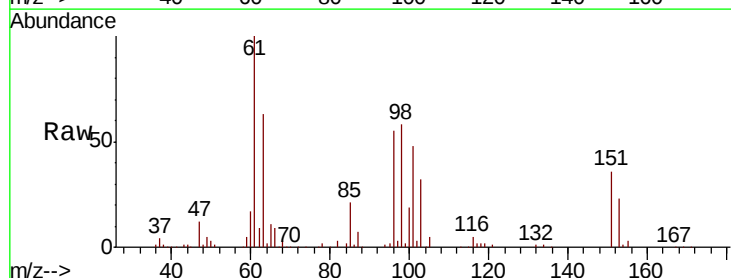
Tgt Ion: 96 Resp: 95001

Ion Ratio Lower Upper

96 100

61 181.3 120.3 223.5

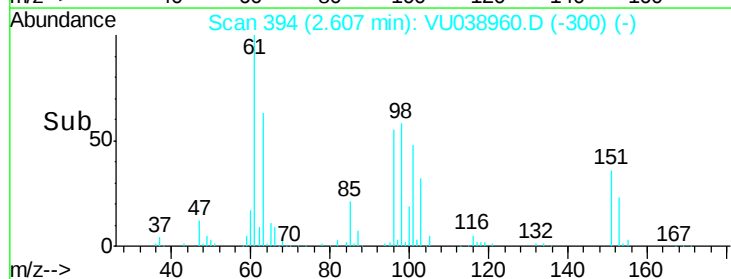
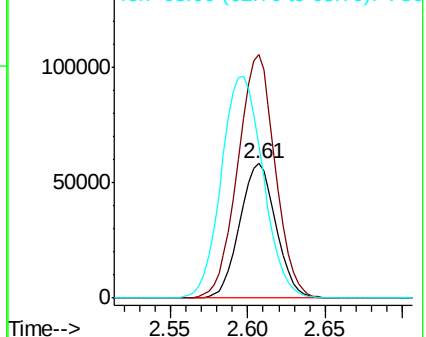
63 114.2 78.7 146.1

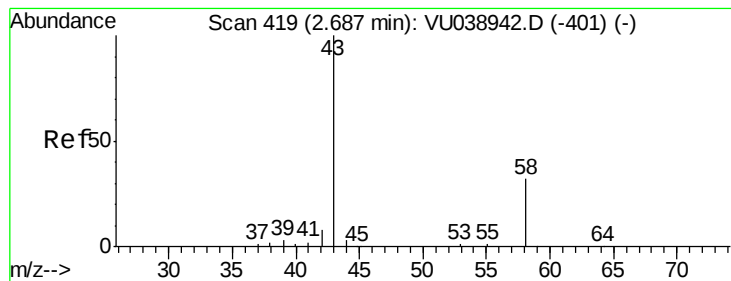


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.323 ug/L

RT: 2.69 min Scan# 419

Delta R.T. 0.00 min

Lab File: VU038960.D

Acq: 17 Jun 2020 22:16

Instrument :

MSVOA_U

ClientSampleId :

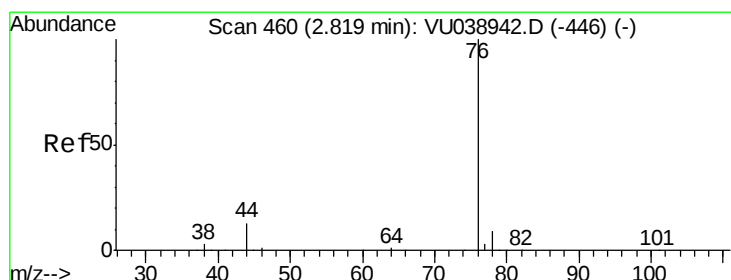
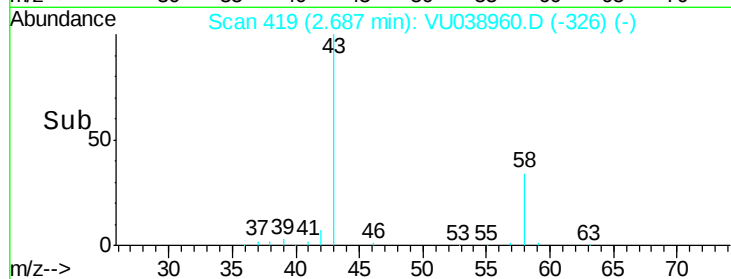
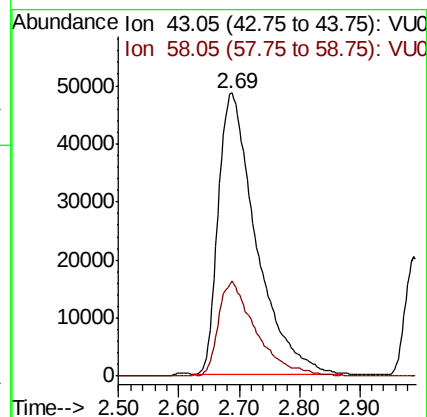
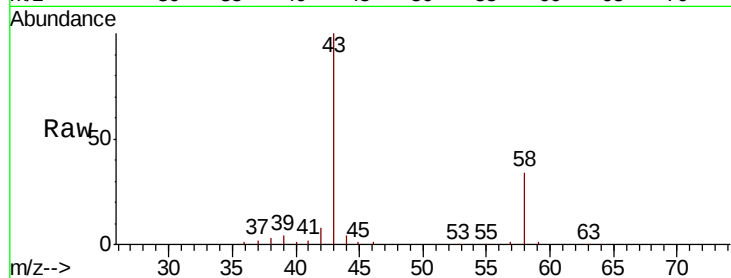
VSTD00529

Tot Ion: 43 Resp: 211427

Ion Ratio Lower Upper

43 100

58 31.5 0.0 65.0



#14

Carbon disulfide

Concen: 4.492 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU038960.D

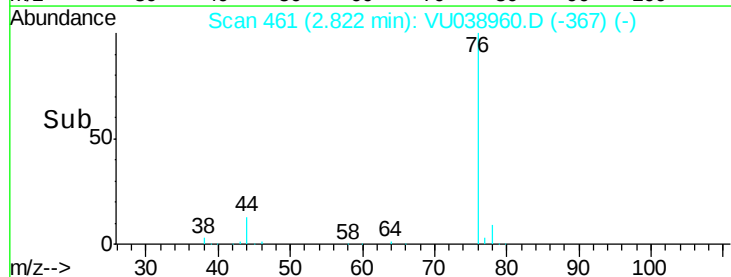
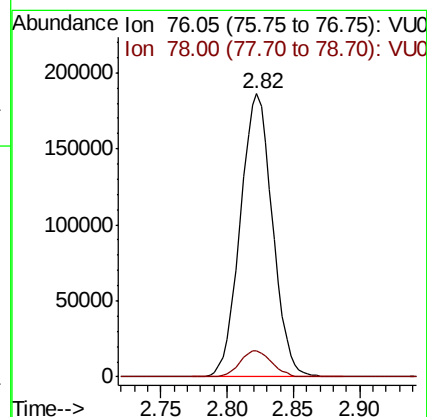
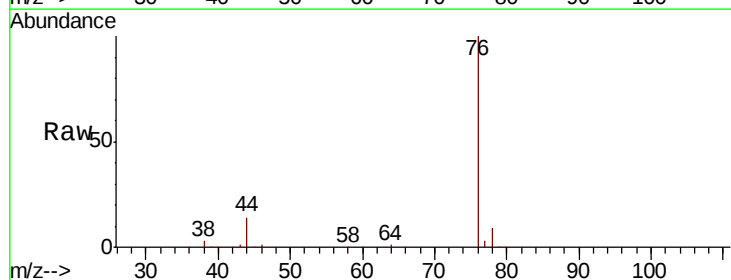
Acq: 17 Jun 2020 22:16

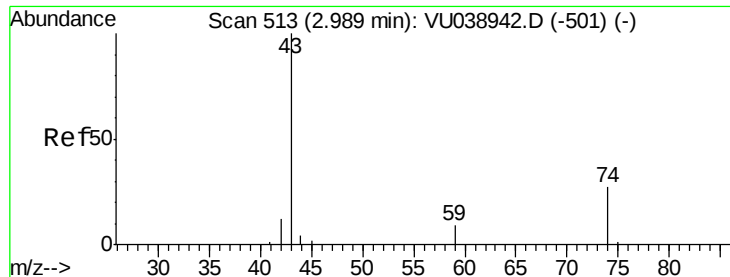
Tgt Ion: 76 Resp: 314519

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

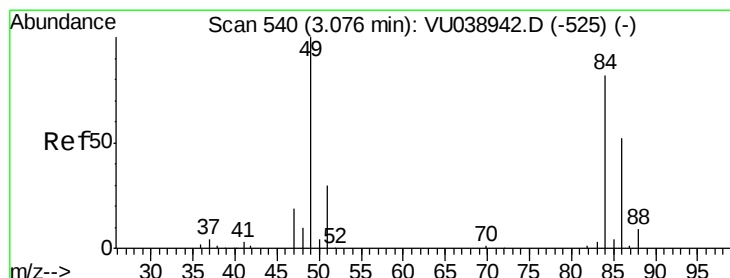
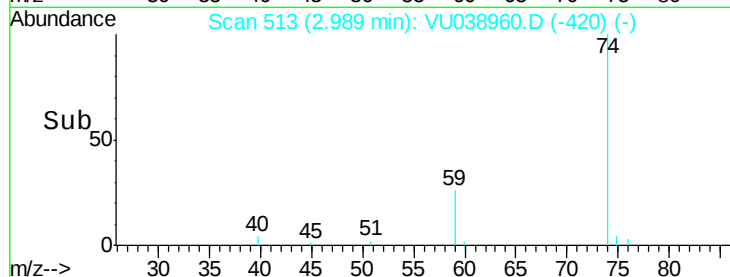
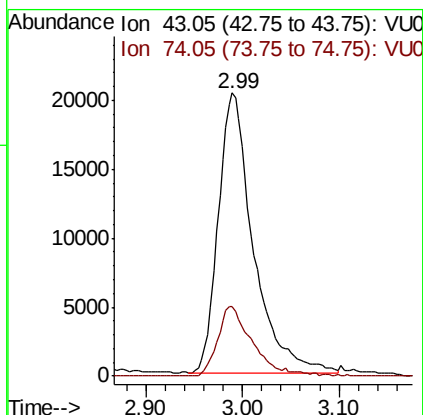
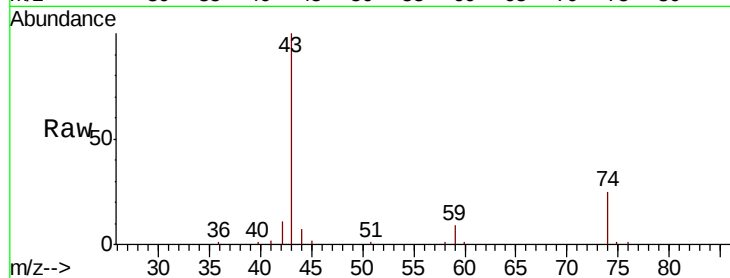




#15
Methyl Acetate
Concen: 4.674 ug/L
RT: 2.99 min Scan# 513
Delta R.T. 0.00 min
Lab File: VU038960.D
Acq: 17 Jun 2020 22:16

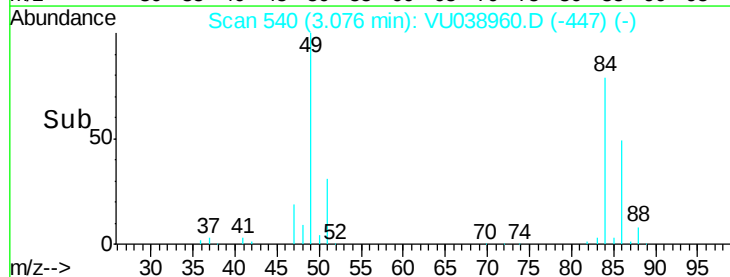
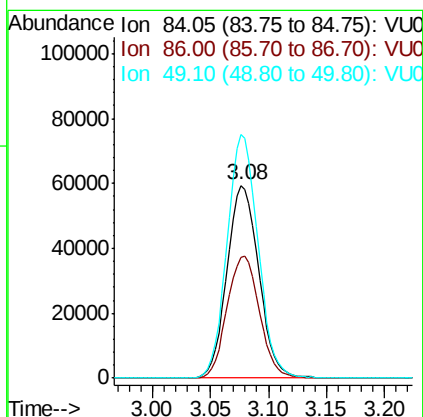
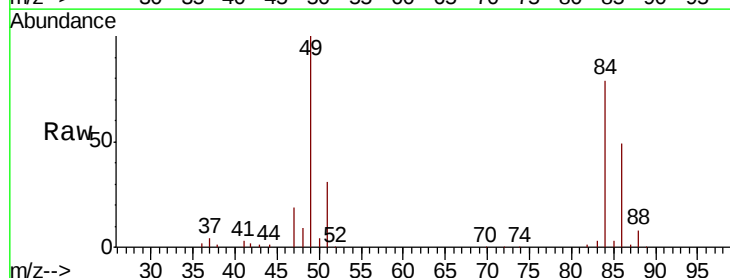
Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

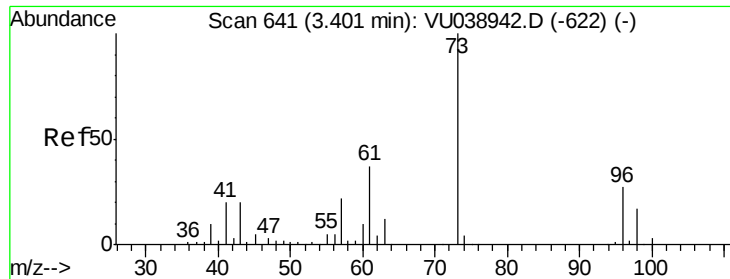
Tot Ion: 43 Resp: 51065
Ion Ratio Lower Upper
43 100
74 24.7 22.2 33.2



#16
Methylene chloride
Concen: 4.730 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038960.D
Acq: 17 Jun 2020 22:16

Tgt Ion: 84 Resp: 112879
Ion Ratio Lower Upper
84 100
86 62.4 45.1 83.7
49 126.3 83.7 155.4

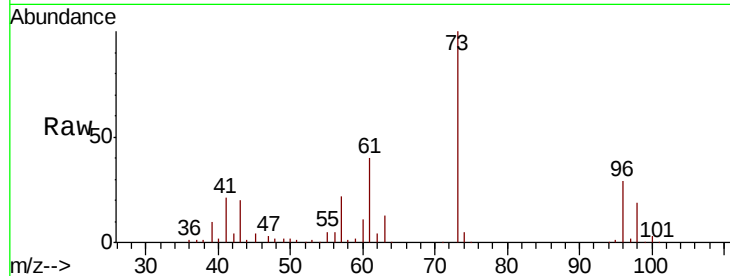




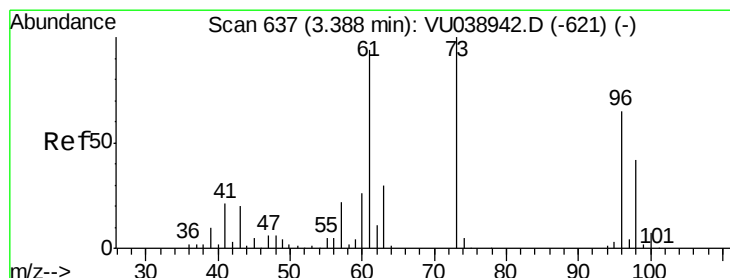
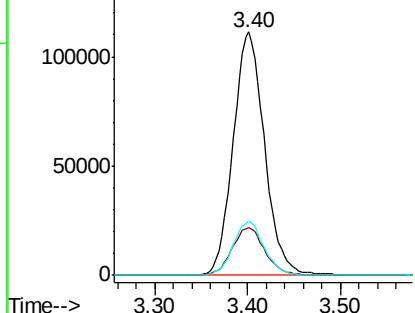
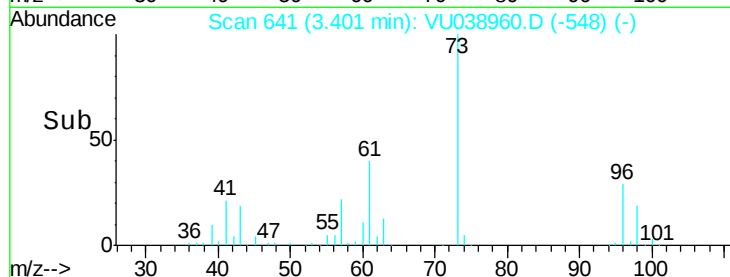
#17
Methvl tert-butvl Ether
Concen: 4.789 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038960.D
Acq: 17 Jun 2020 22:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tot Ion: 73 Resp: 261205
Ion Ratio Lower Upper
73 100
43 20.5 17.0 25.4
57 22.1 17.7 26.5

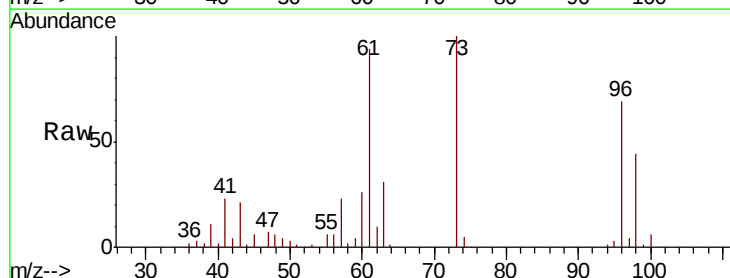


Abundance Ion 73.10 (72.80 to 73.80): VU0
150000
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

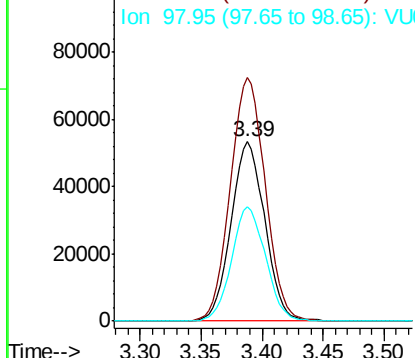
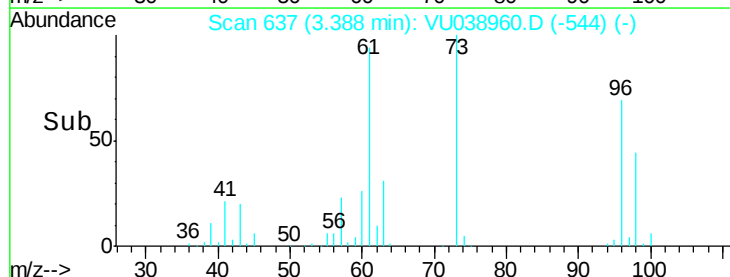


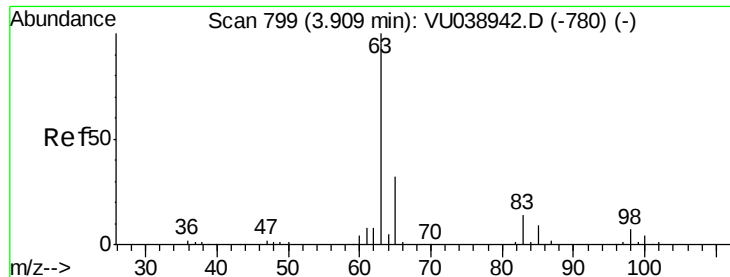
#18
trans-1,2-Dichloroethene
Concen: 4.726 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU038960.D
Acq: 17 Jun 2020 22:16

Tgt Ion: 96 Resp: 102918
Ion Ratio Lower Upper
96 100
61 135.9 100.3 186.3
98 63.8 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU0
100000
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

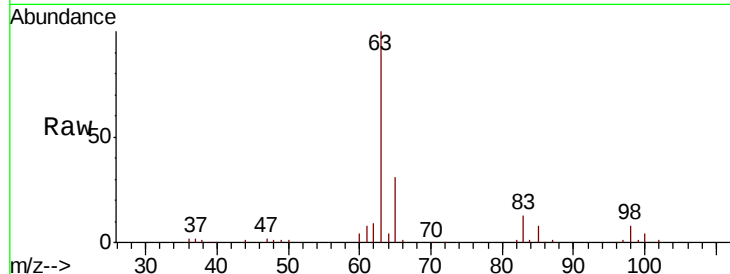




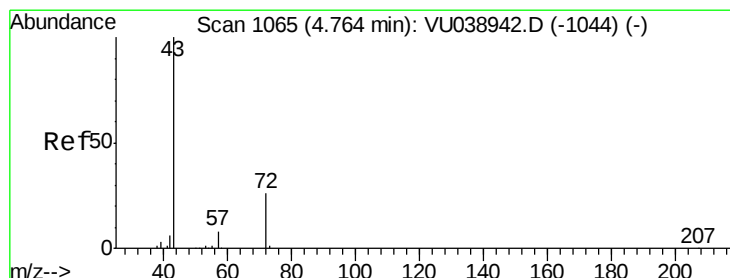
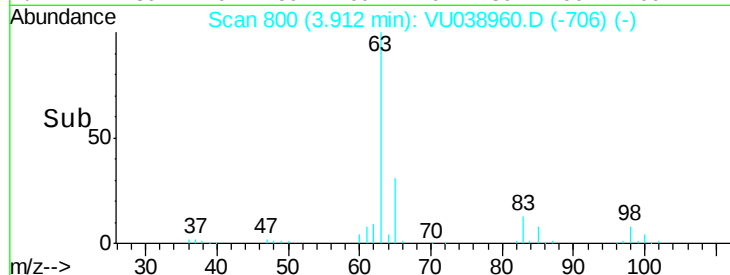
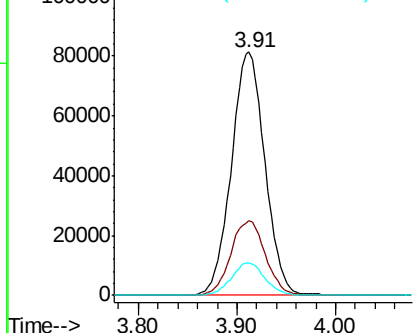
#19
 1,1-Dichloroethane
 Concen: 4.865 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU038960.D
 Acq: 17 Jun 2020 22:16

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD00529

Tot Ion: 63 Resp: 192332
 Ion Ratio Lower Upper
 63 100
 65 30.6 22.8 42.4
 83 13.2 9.6 17.8

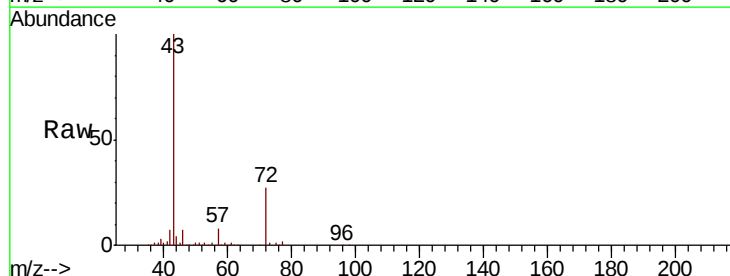


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

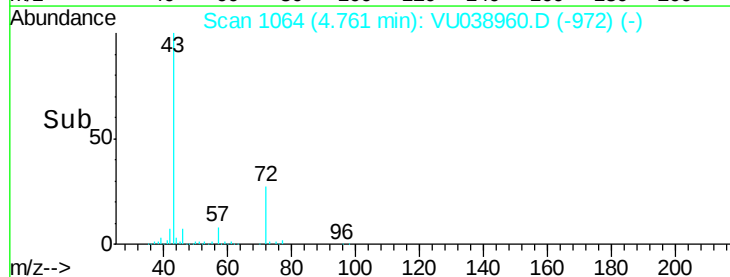
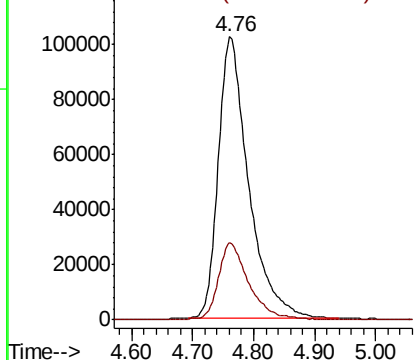


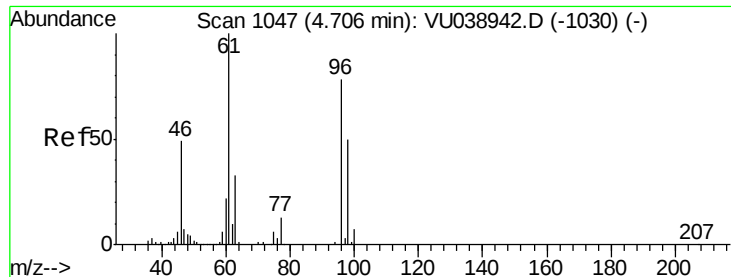
#21
 2-Butanone
 Concen: 49.752 ug/L
 RT: 4.76 min Scan# 1064
 Delta R.T. -0.00 min
 Lab File: VU038960.D
 Acq: 17 Jun 2020 22:16

Tgt Ion: 43 Resp: 351621
 Ion Ratio Lower Upper
 43 100
 72 27.7 12.5 37.5



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





#22

cis-1,2-Dichloroethene

Concen: 4.962 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038960.D

Acq: 17 Jun 2020 22:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

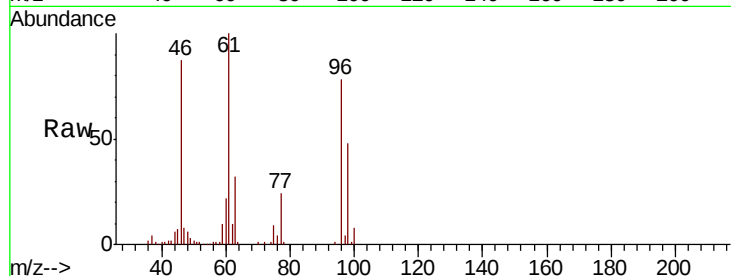
Tot Ion: 96 Resp: 110959

Ion Ratio Lower Upper

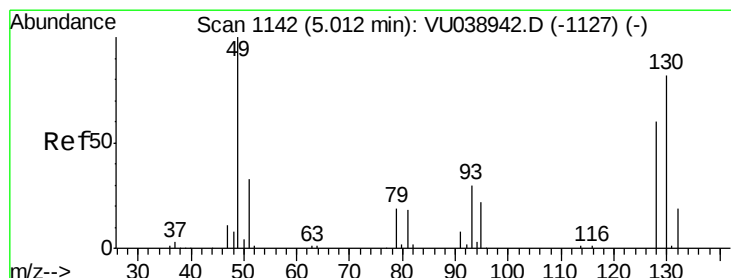
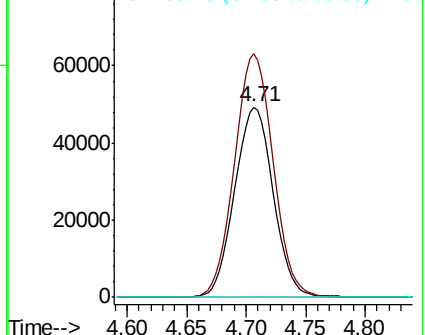
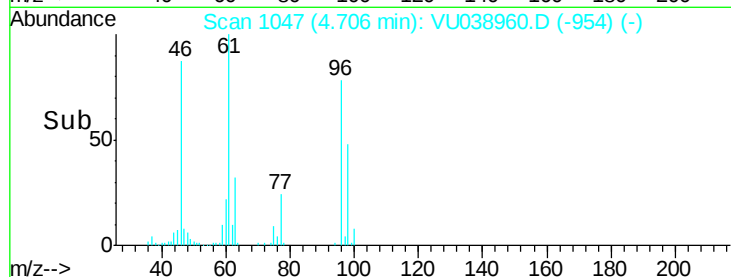
96 100

61 128.1 93.7 173.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038960.D (-954) (-)



#23

Bromochloromethane

Concen: 4.808 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038960.D

Acq: 17 Jun 2020 22:16

Tgt Ion: 128 Resp: 50931

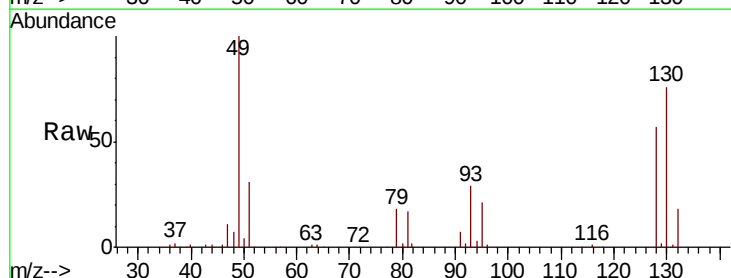
Ion Ratio Lower Upper

128 100

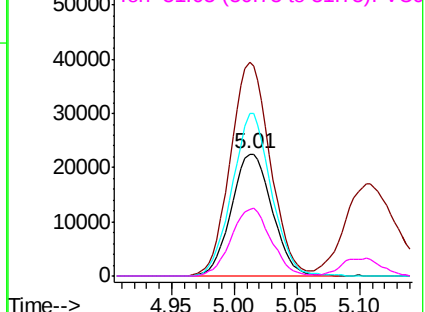
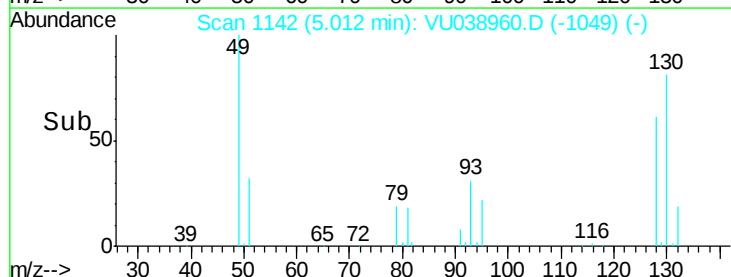
49 175.0 117.4 218.0

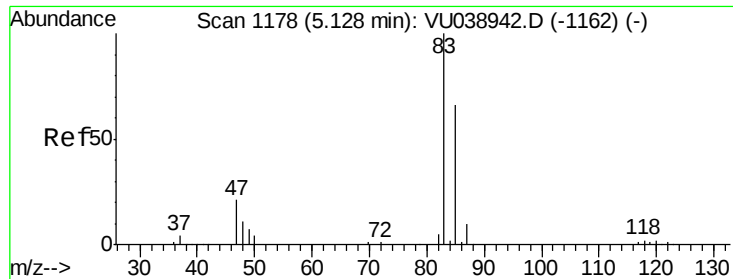
130 133.4 87.8 163.2

51 54.4 39.1 58.7



Abundance Ion 127.90 (127.60 to 128.60): VU038960.D (-1049) (-)

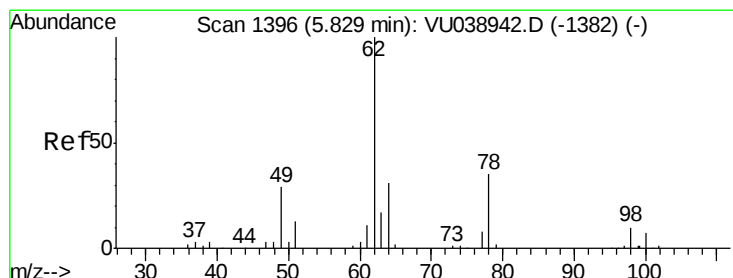
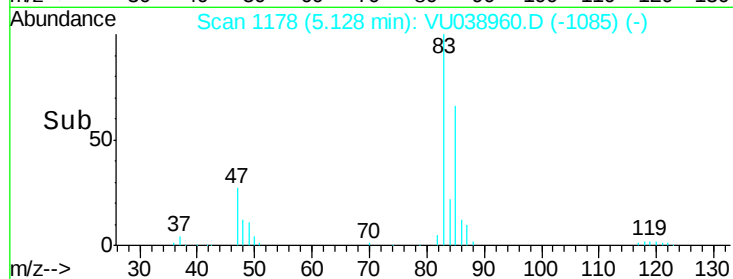
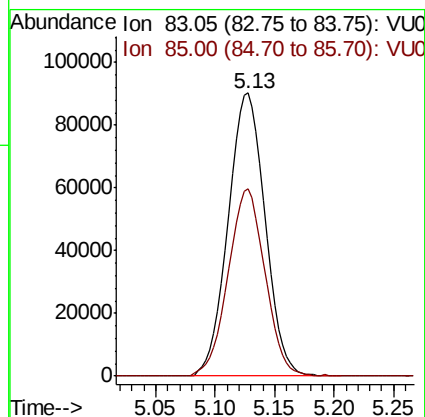
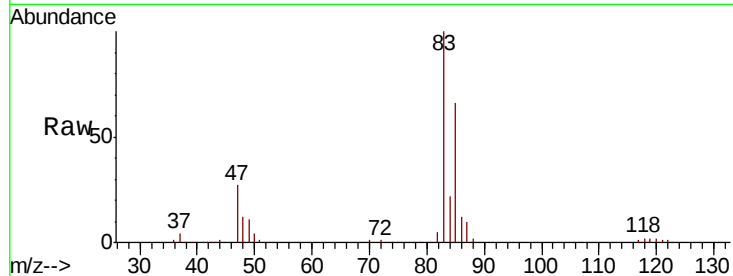




#25
Chloroform
Concen: 4.831 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038960.D
Acq: 17 Jun 2020 22:16

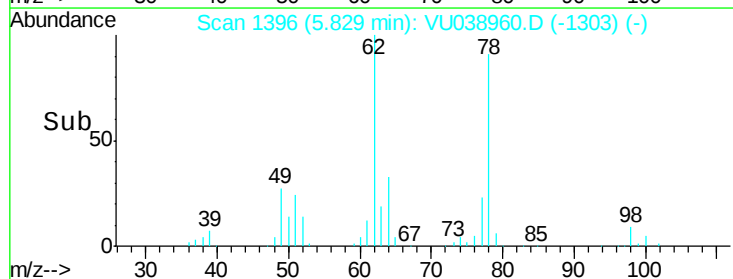
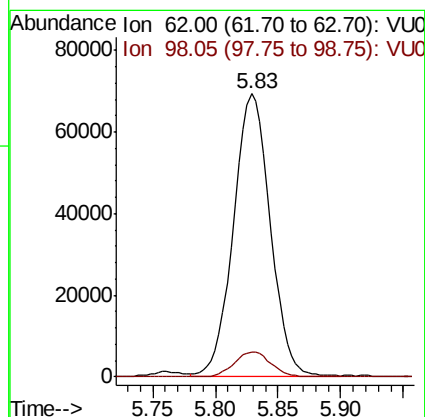
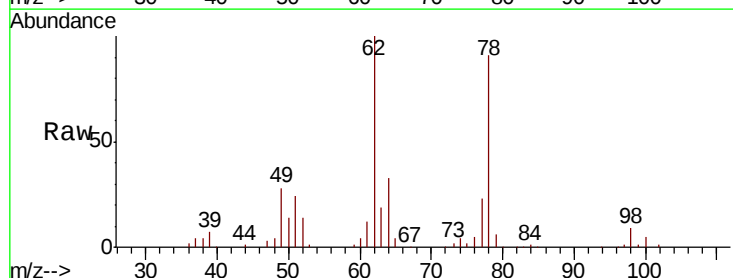
Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

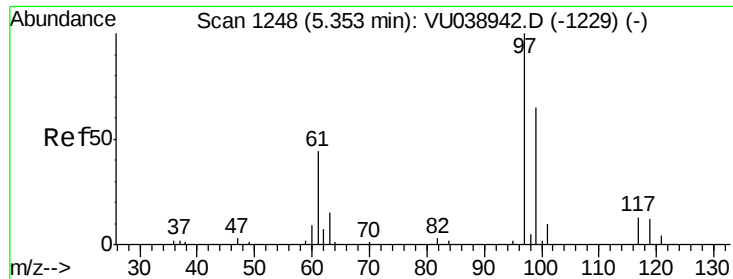
Tot Ion: 83 Resp: 194508
Ion Ratio Lower Upper
83 100
85 66.4 45.5 84.5



#27
1,2-Dichloroethane
Concen: 4.812 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038960.D
Acq: 17 Jun 2020 22:16

Tgt Ion: 62 Resp: 141038
Ion Ratio Lower Upper
62 100
98 8.8 7.6 11.4

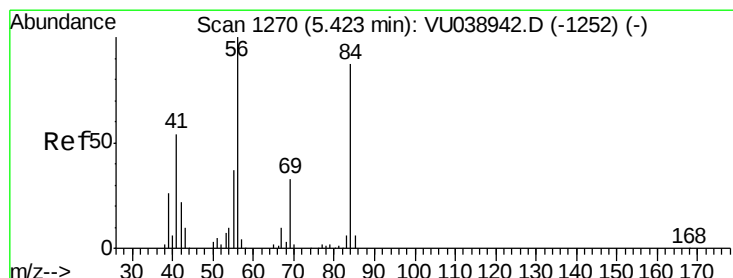
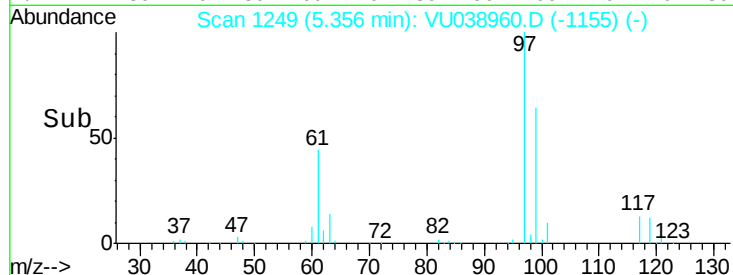
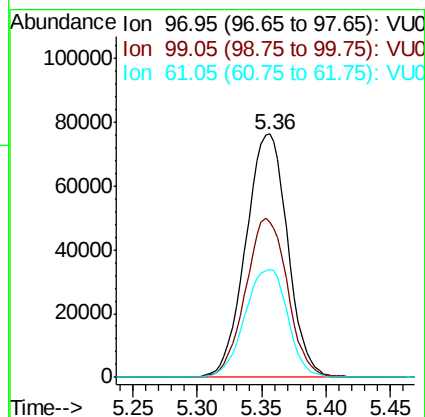
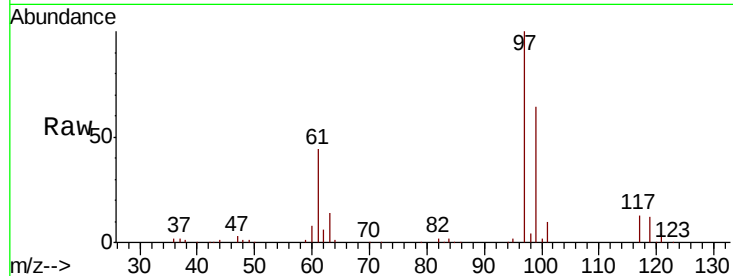




#29
 1,1,1-Trichloroethane
 Concen: 4.729 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU038960.D
 Acq: 17 Jun 2020 22:16

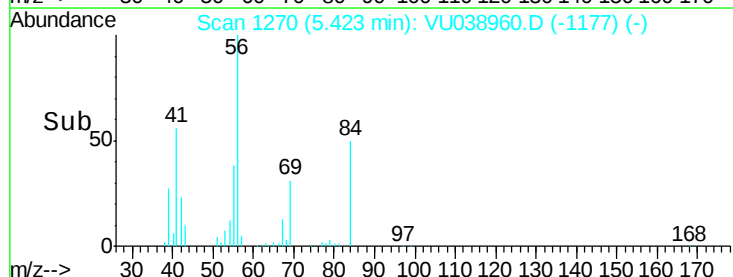
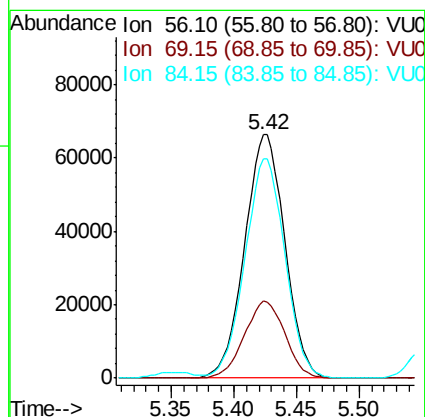
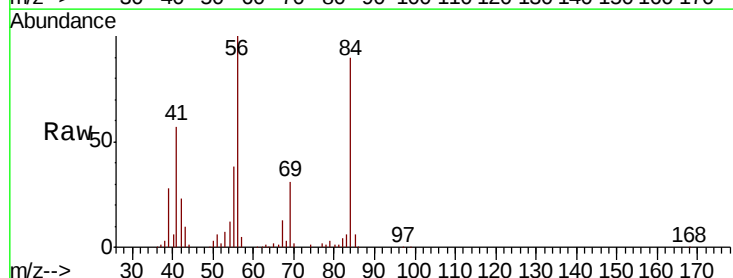
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

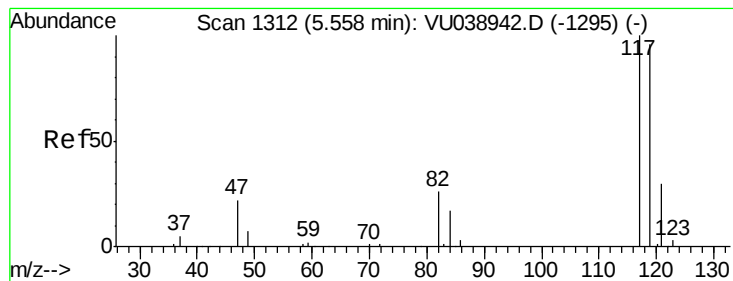
Tot Ion: 97 Resp: 172678
 Ion Ratio Lower Upper
 97 100
 99 65.6 50.8 76.2
 61 45.6 35.6 53.4



#30
 Cyclohexane
 Concen: 4.267 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU038960.D
 Acq: 17 Jun 2020 22:16

Tgt Ion: 56 Resp: 147851
 Ion Ratio Lower Upper
 56 100
 69 32.0 25.0 37.4
 84 90.1 72.0 108.0





#31

Carbon tetrachloride

Concen: 4.383 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038960.D

Acq: 17 Jun 2020 22:16

Instrument :

MSVOA_U

ClientSampleId :

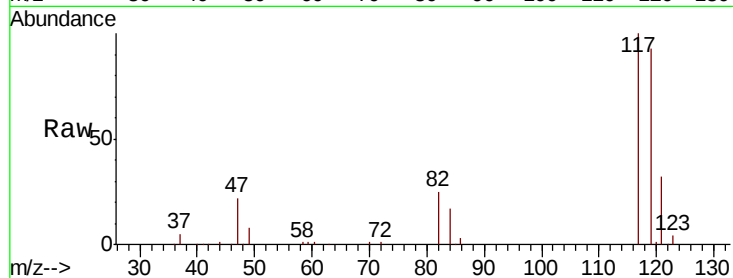
VSTD00529

Tot Ion:117 Resp: 141083

Ion Ratio Lower Upper

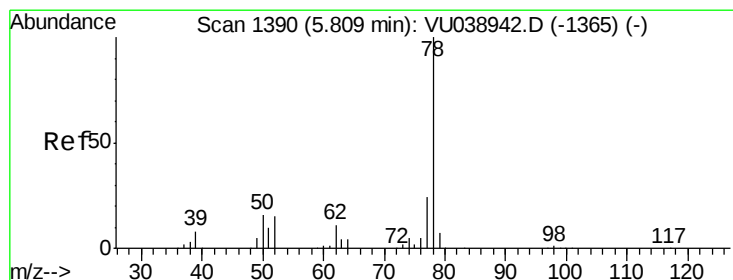
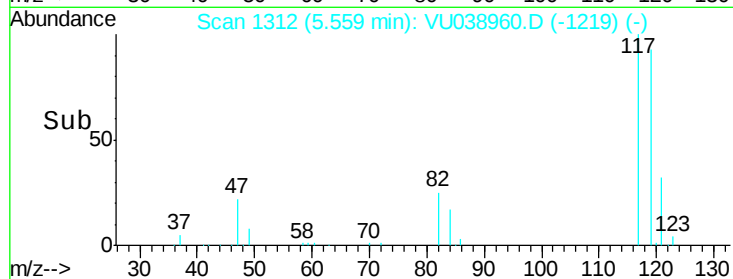
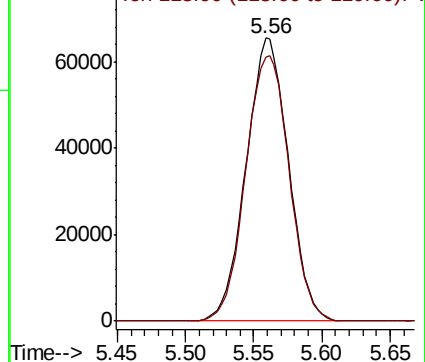
117 100

119 96.2 77.4 116.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.735 ug/L

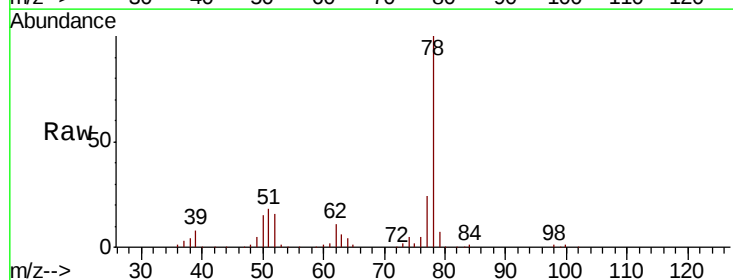
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

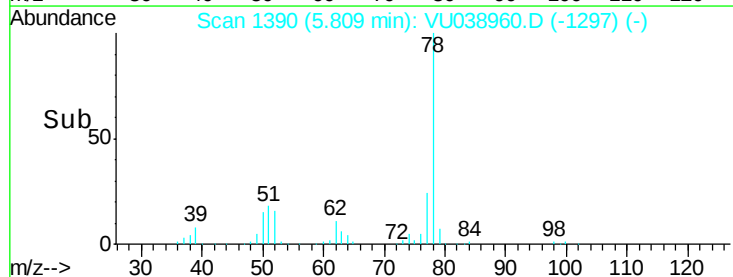
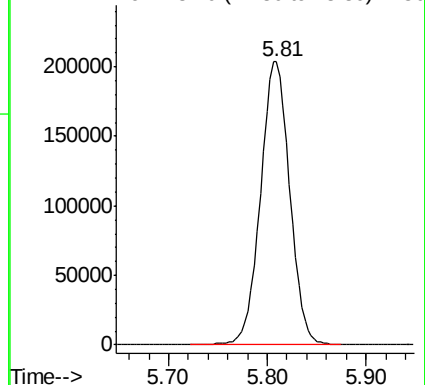
Lab File: VU038960.D

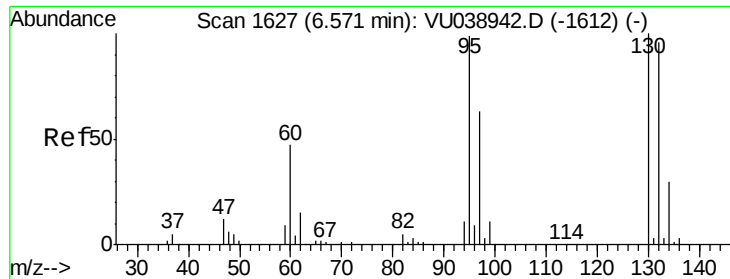
Acq: 17 Jun 2020 22:16

Tgt Ion: 78 Resp: 416339



Abundance Ion 78.10 (77.80 to 78.80): VU0

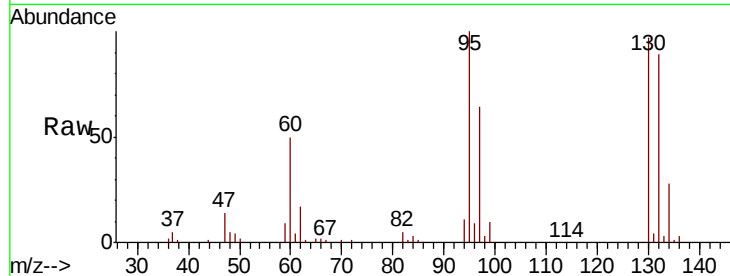




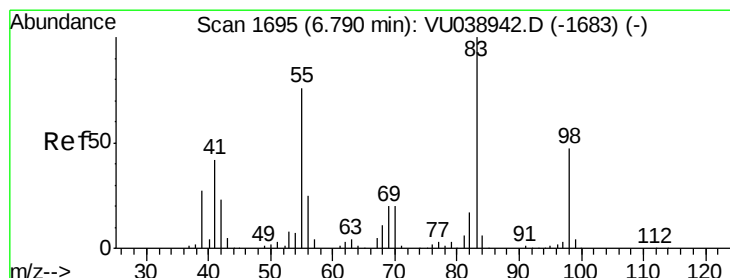
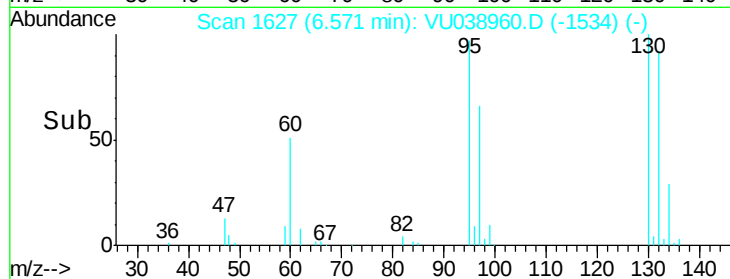
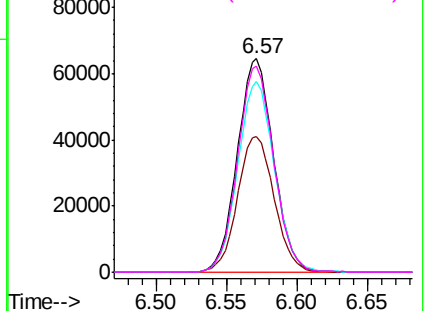
#34
 Trichloroethene
 Concen: 5.204 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038960.D
 Acq: 17 Jun 2020 22:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Tot Ion: 95 Resp: 116099
 Ion Ratio Lower Upper
 95 100
 97 63.8 45.4 84.4
 132 89.2 68.4 127.0
 130 96.7 69.6 129.2

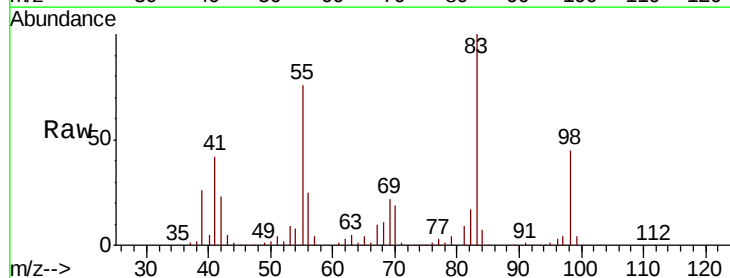


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

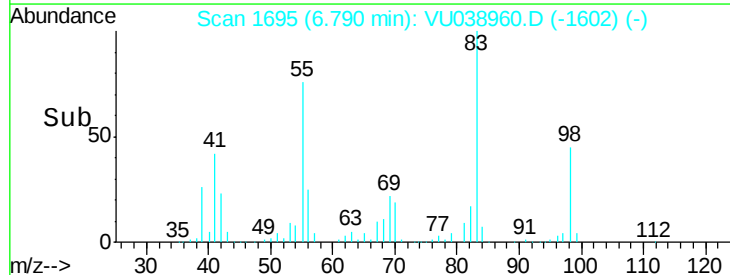
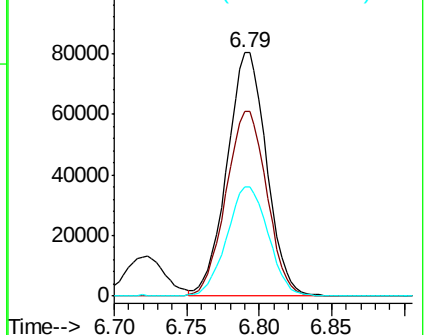


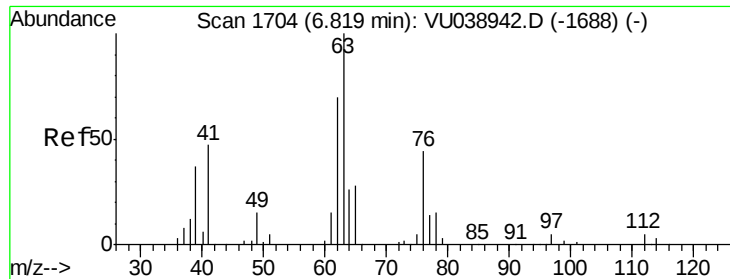
#35
 Methylcyclohexane
 Concen: 4.306 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU038960.D
 Acq: 17 Jun 2020 22:16

Tgt Ion: 83 Resp: 152283
 Ion Ratio Lower Upper
 83 100
 55 78.2 61.8 92.8
 98 47.1 39.3 58.9



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

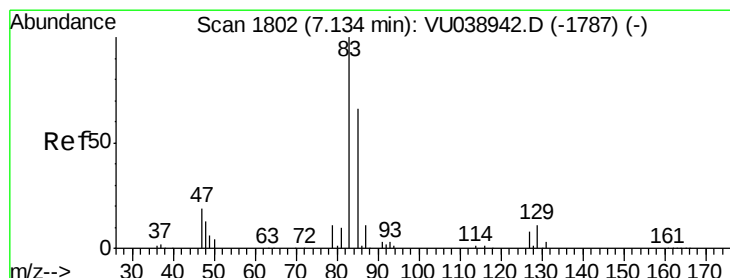
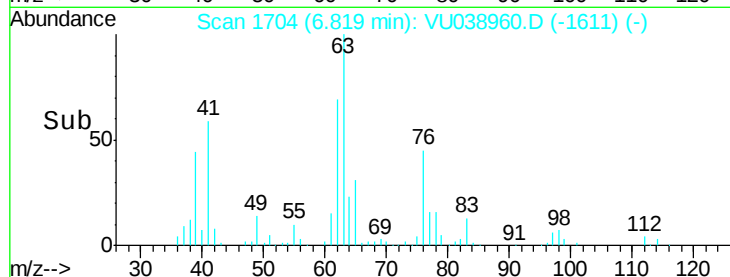
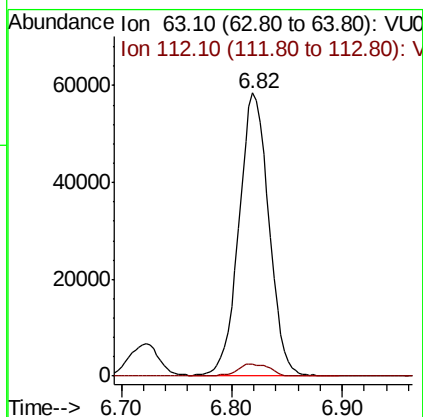
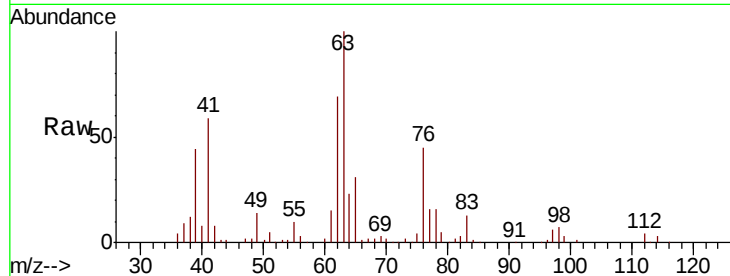




#37
 1,2-Dichloropropane
 Concen: 4.799 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: VU038960.D
 Acq: 17 Jun 2020 22:16

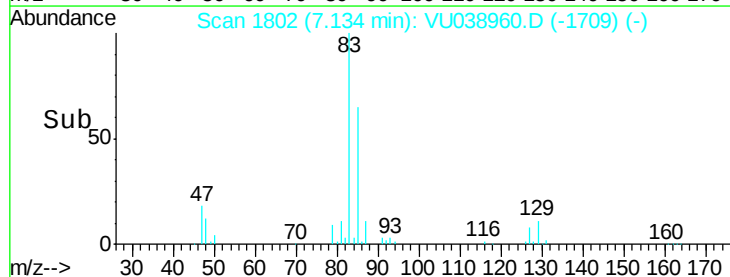
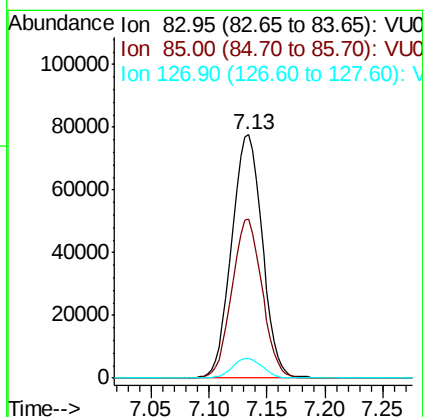
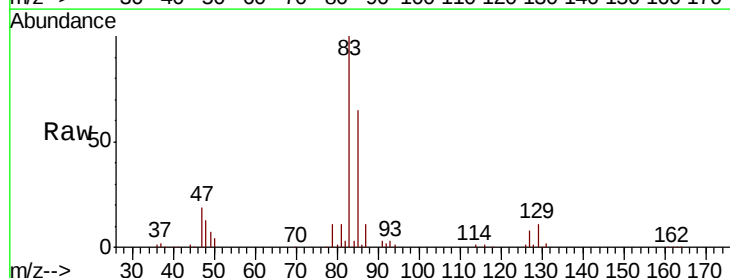
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

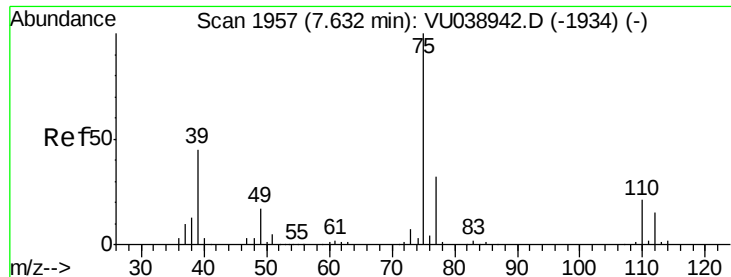
Tot Ion: 63 Resp: 110195
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.9 5.9



#38
 Bromodichloromethane
 Concen: 4.762 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU038960.D
 Acq: 17 Jun 2020 22:16

Tgt Ion: 83 Resp: 142176
 Ion Ratio Lower Upper
 83 100
 85 65.1 45.0 83.6
 127 8.1 7.0 10.4

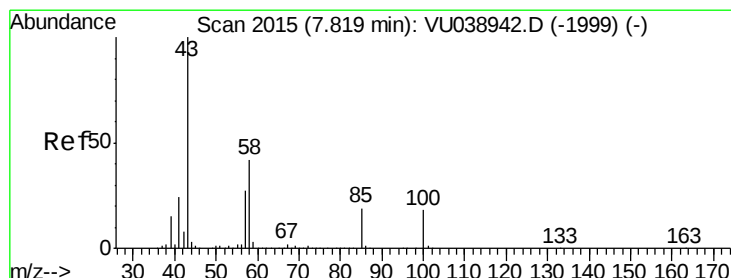
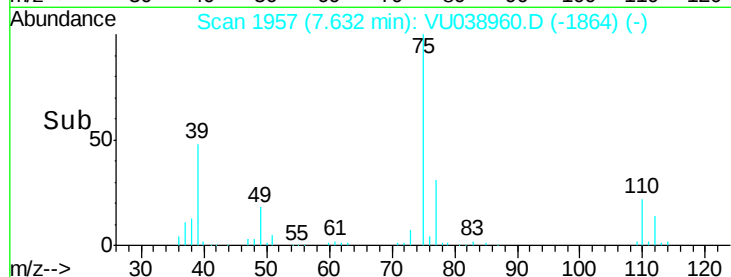
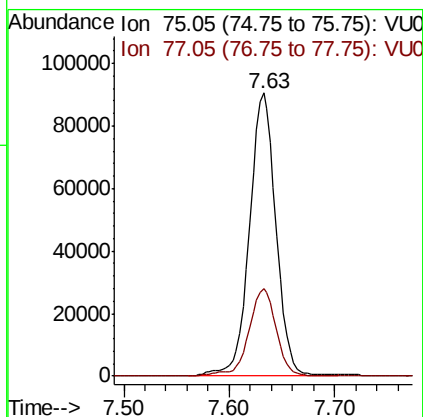
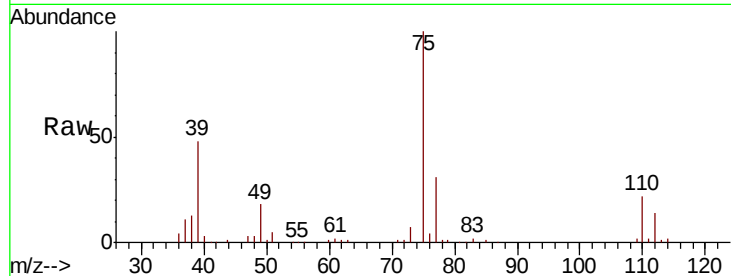




#39
 cis-1,3-Dichloropropene
 Concen: 4.717 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038960.D
 Acq: 17 Jun 2020 22:16

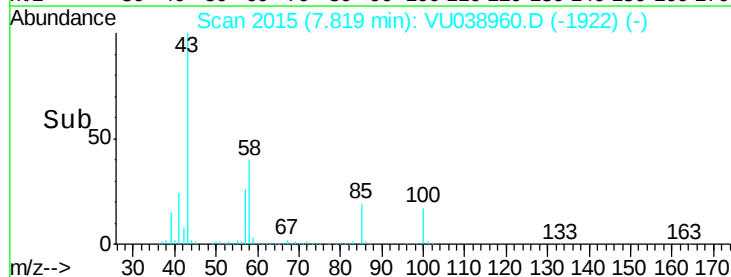
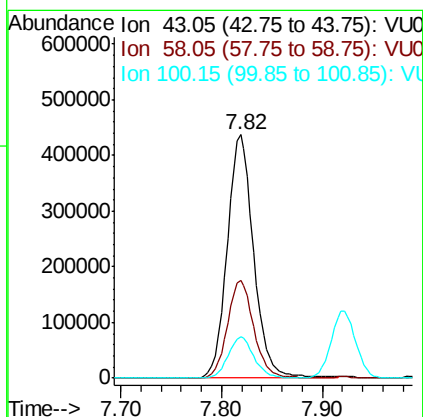
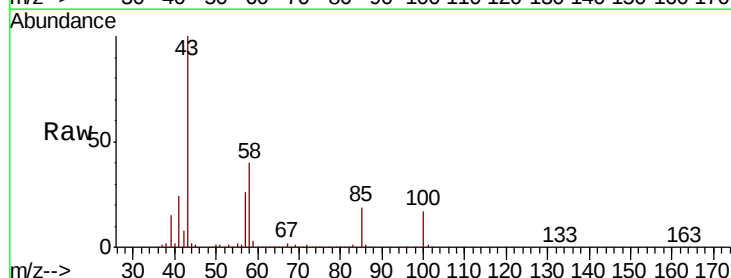
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

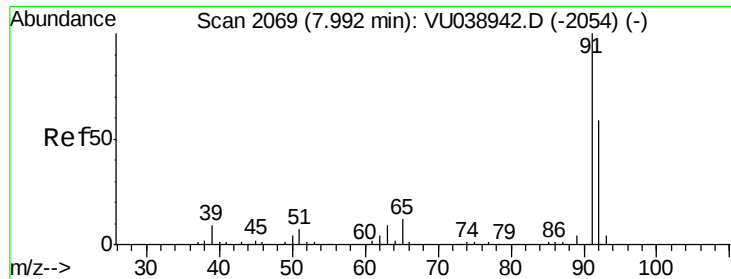
Tot Ion: 75 Resp: 159146
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 50.554 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU038960.D
 Acq: 17 Jun 2020 22:16

Tgt Ion: 43 Resp: 799845
 Ion Ratio Lower Upper
 43 100
 58 40.1 32.6 49.0
 100 16.6 13.4 20.2





#42

Toluene

Concen: 4.843 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038960.D

Acq: 17 Jun 2020 22:16

Instrument :

MSVOA_U

ClientSampleId :

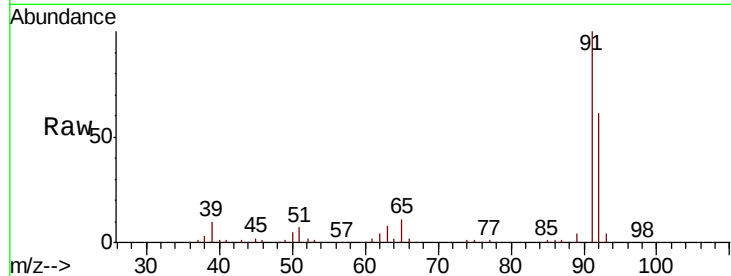
VSTD00529

Tot Ion: 91 Resp: 441010

Ion Ratio Lower Upper

91 100

92 60.6 41.6 77.2



Abundance Ion 91.15 (90.85 to 91.85): VU038942.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038942.D (-2054) (-)

7.99

250000

200000

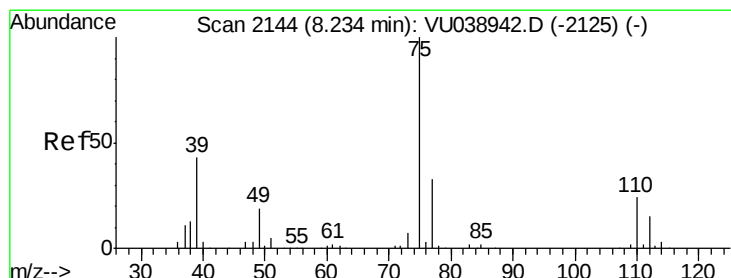
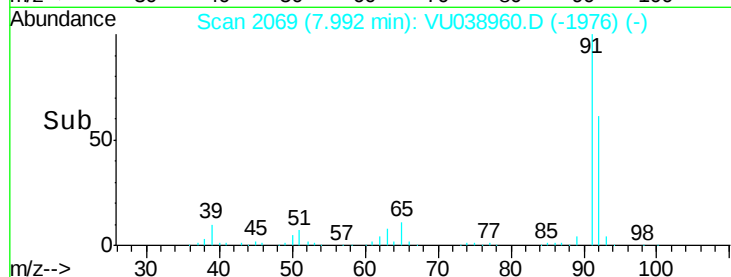
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.729 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038960.D

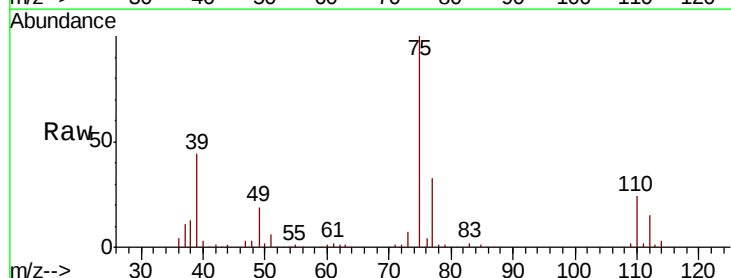
Acq: 17 Jun 2020 22:16

Tgt Ion: 75 Resp: 146660

Ion Ratio Lower Upper

75 100

77 32.8 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU038942.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU038942.D (-2125) (-)

8.23

100000

80000

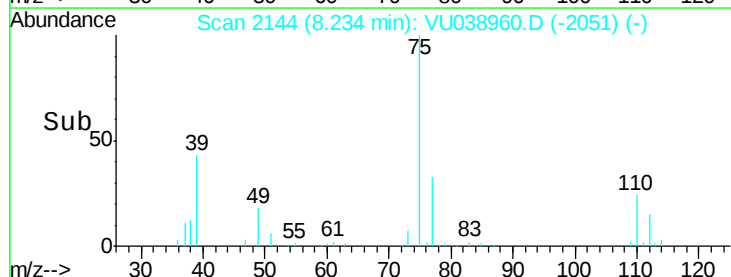
60000

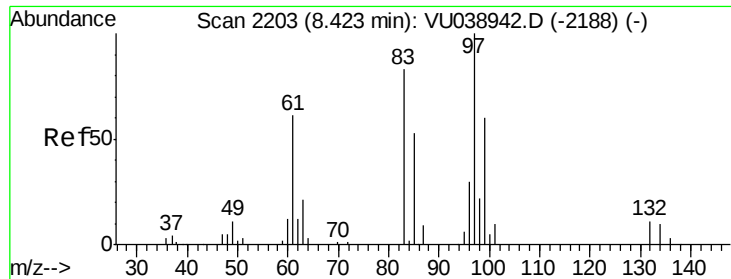
40000

20000

0

Time-->

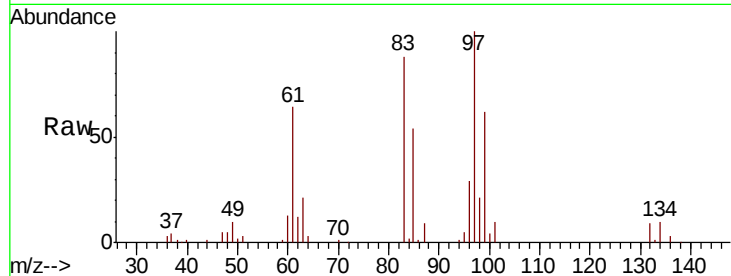




#45
 1,1,2-Trichloroethane
 Concen: 5.008 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU038960.D
 Acq: 17 Jun 2020 22:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Tot Ion:	97	Resp:	85351
Ion	Ratio	Lower	Upper
97	100		
99	62.0	44.1	81.9
83	88.0	61.2	113.8
85	54.1	37.7	70.1

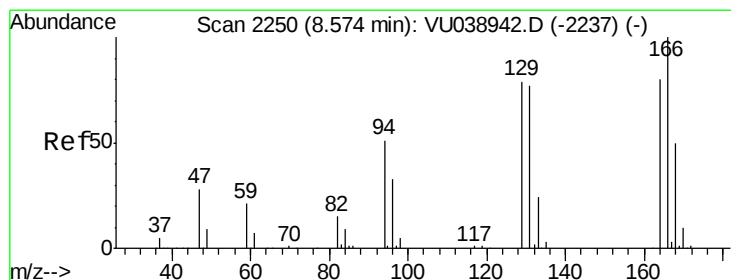
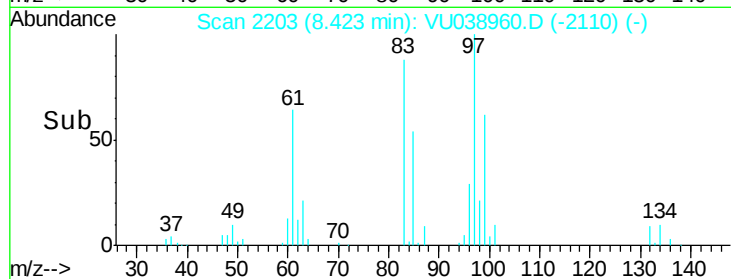
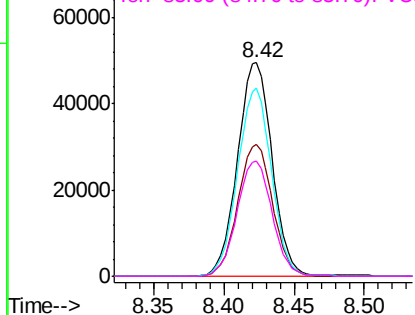


Abundance Ion 96.95 (96.65 to 97.65): VU038960.D (-2110) (-)

Ion 99.05 (98.75 to 99.75): VU038960.D (-2110) (-)

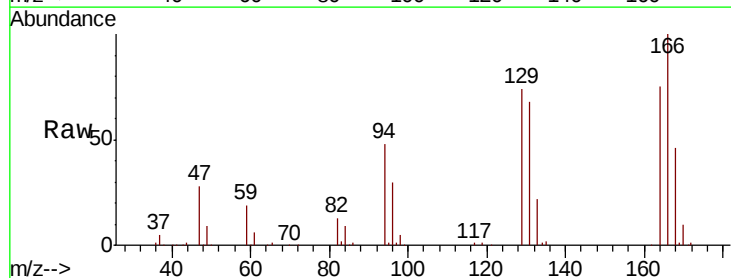
Ion 82.95 (82.65 to 83.65): VU038960.D (-2110) (-)

Ion 85.00 (84.70 to 85.70): VU038960.D (-2110) (-)



#47
 Tetrachloroethene
 Concen: 4.497 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU038960.D
 Acq: 17 Jun 2020 22:16

Tgt Ion:	164	Resp:	77734
Ion	Ratio	Lower	Upper
164	100		
129	98.1	66.1	122.8
131	90.4	65.7	122.1
166	133.3	93.0	172.8

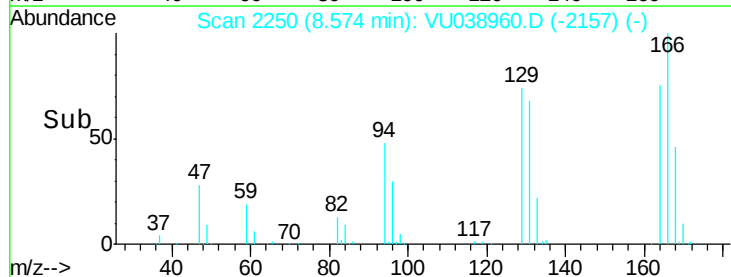
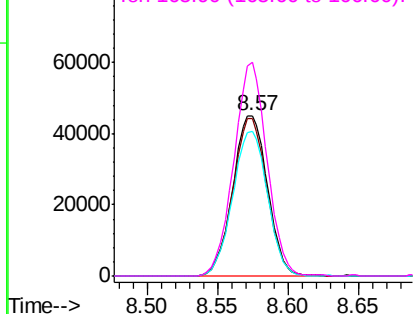


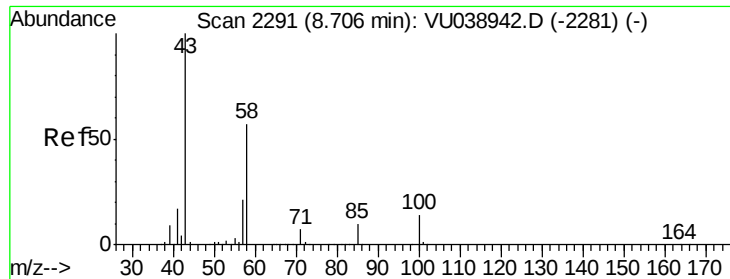
Abundance Ion 163.90 (163.60 to 164.60): VU038960.D (-2157) (-)

Ion 128.95 (128.65 to 129.65): VU038960.D (-2157) (-)

Ion 130.95 (130.65 to 131.65): VU038960.D (-2157) (-)

Ion 165.90 (165.60 to 166.60): VU038960.D (-2157) (-)

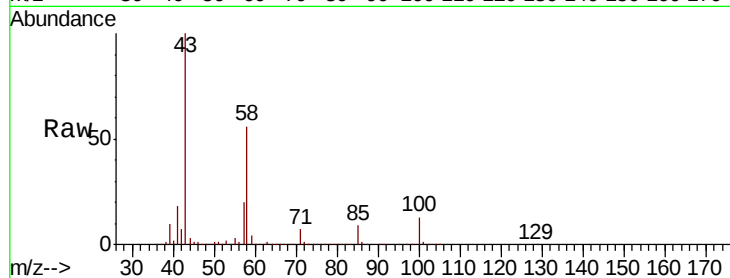




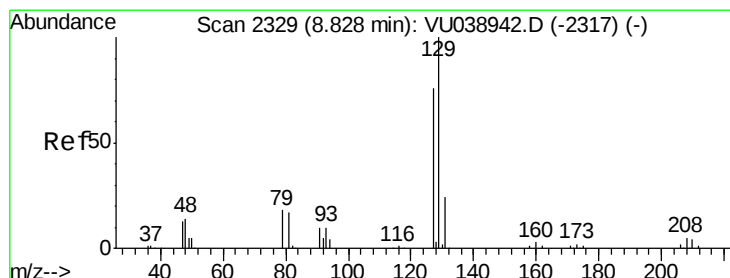
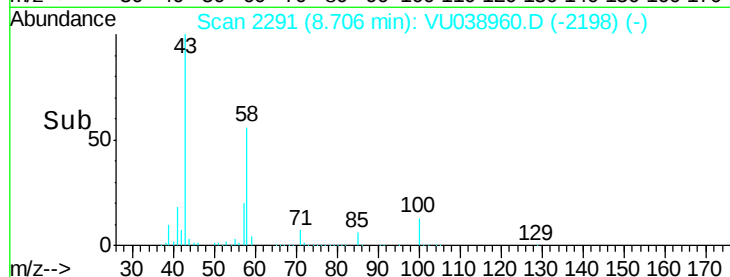
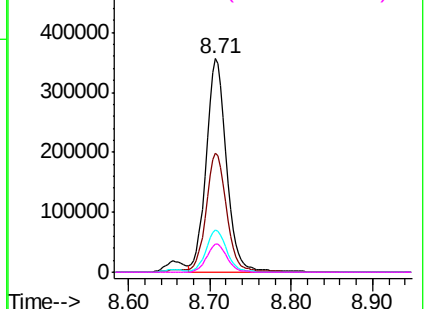
#48
2-Hexanone
Concen: 51.940 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU038960.D
Acq: 17 Jun 2020 22:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tot Ion: 43 Resp: 622548
Ion Ratio Lower Upper
43 100
58 56.2 45.2 67.8
57 20.0 16.1 24.1
100 13.3 10.9 16.3

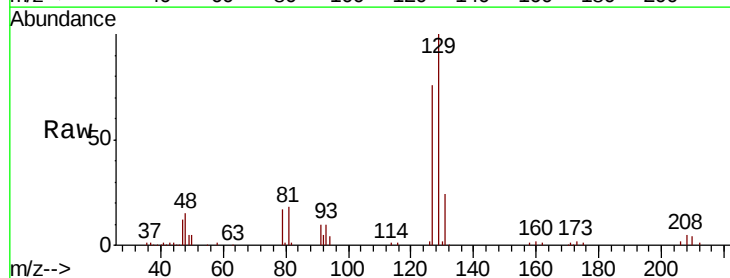


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

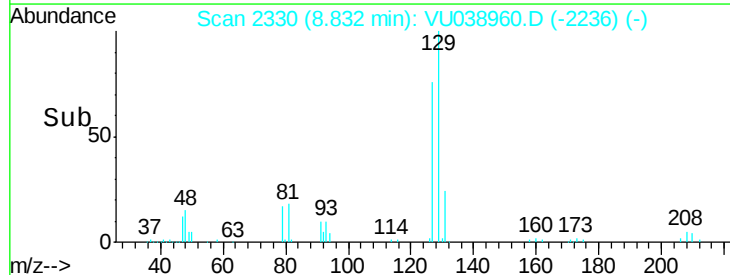
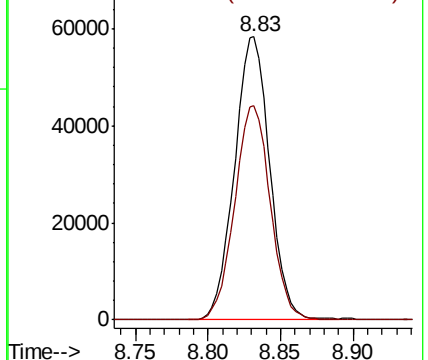


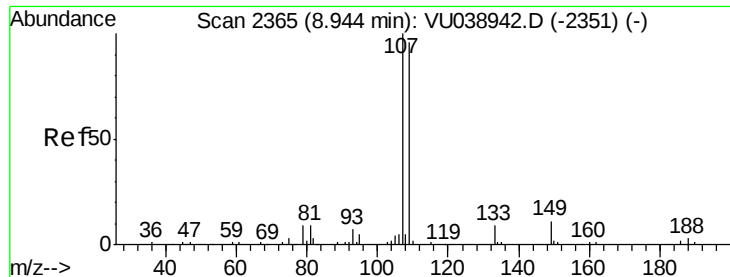
#49
Dibromochloromethane
Concen: 4.826 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038960.D
Acq: 17 Jun 2020 22:16

Tgt Ion: 129 Resp: 98535
Ion Ratio Lower Upper
129 100
127 75.6 54.9 101.9



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

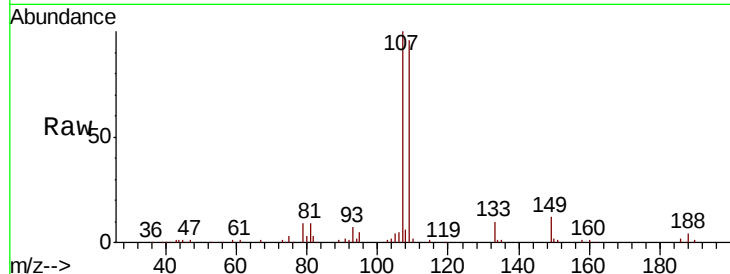




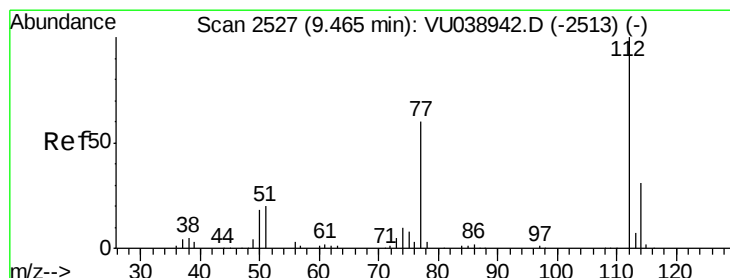
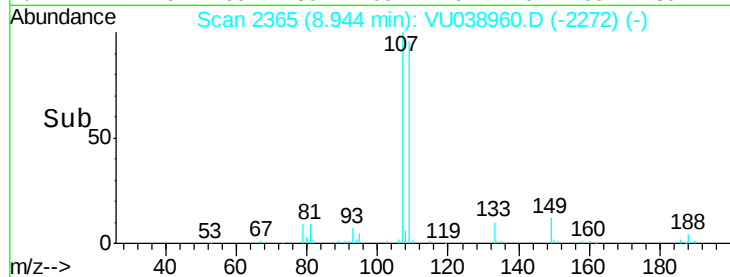
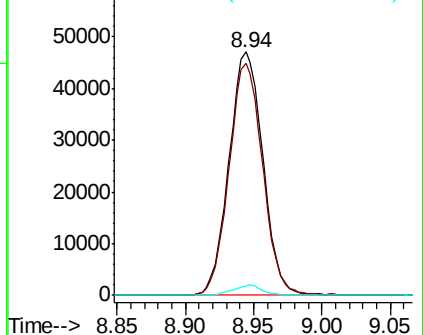
#50
1,2-Dibromoethane
Concen: 4.759 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. 0.00 min
Lab File: VU038960.D
Acq: 17 Jun 2020 22:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tot Ion:107 Resp: 81106
Ion Ratio Lower Upper
107 100
109 95.6 64.8 120.4
188 4.1 3.0 4.6

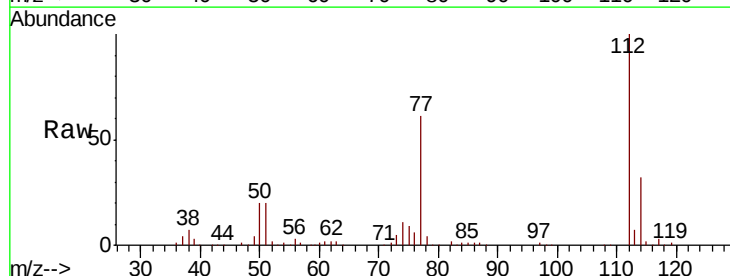


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

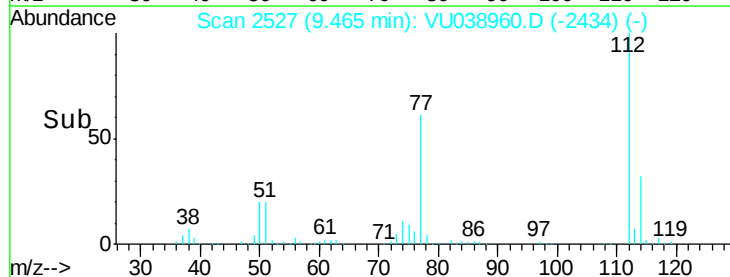
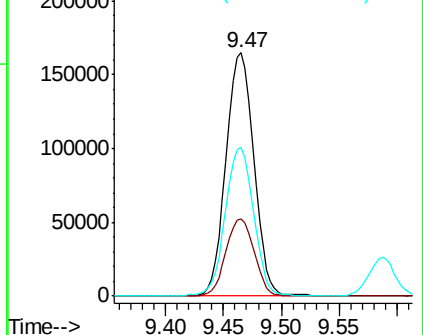


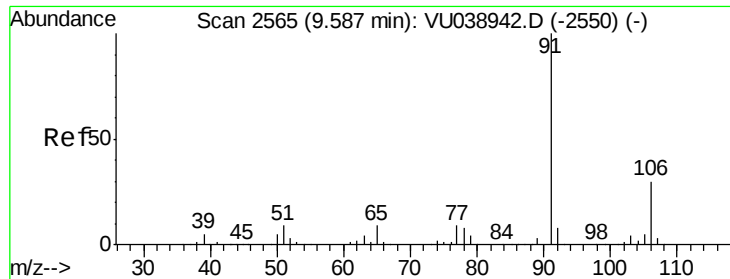
#51
Chlorobenzene
Concen: 4.639 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. 0.00 min
Lab File: VU038960.D
Acq: 17 Jun 2020 22:16

Tgt Ion:112 Resp: 274606
Ion Ratio Lower Upper
112 100
114 31.8 22.5 41.7
77 61.3 47.2 70.8



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





#52

Ethylbenzene

Concen: 4.640 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU038960.D

Acq: 17 Jun 2020 22:16

Instrument :

MSVOA_U

ClientSampleId :

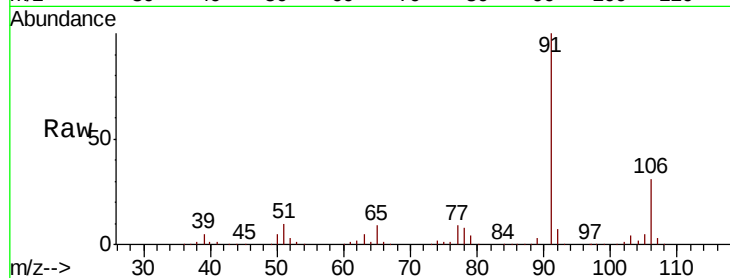
VSTD00529

Tot Ion: 91 Resp: 457158

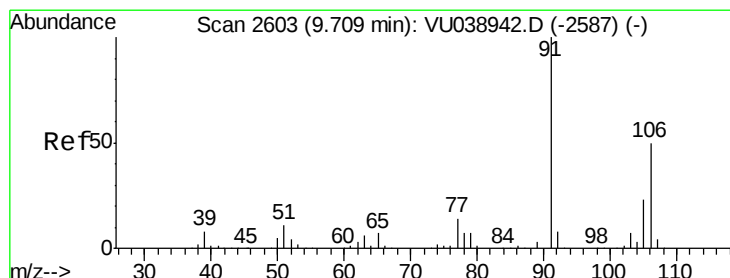
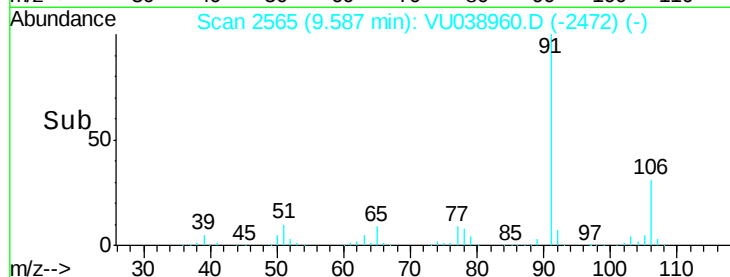
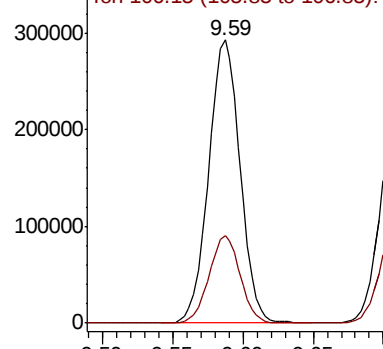
Ion Ratio Lower Upper

91 100

106 30.7 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU038942.D (-2550) (-)



#53

m,p-Xylene

Concen: 4.666 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU038960.D

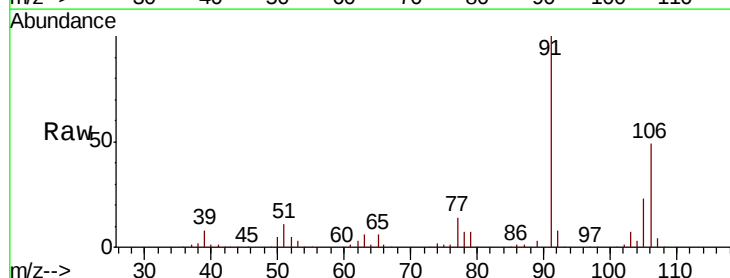
Acq: 17 Jun 2020 22:16

Tgt Ion: 106 Resp: 177353

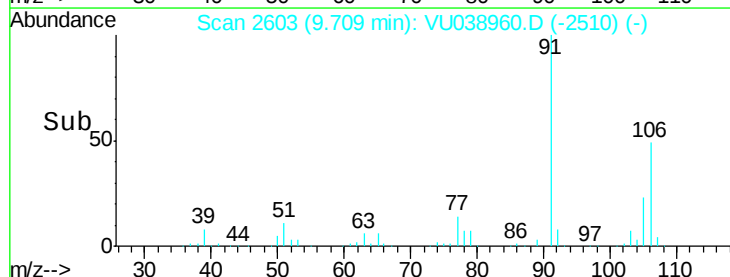
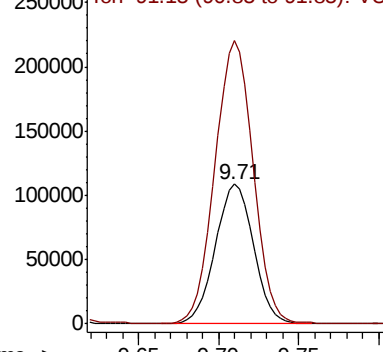
Ion Ratio Lower Upper

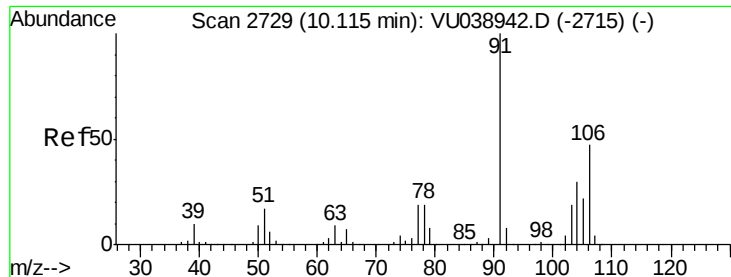
106 100

91 202.5 143.0 265.6



Abundance Ion 106.15 (105.85 to 106.85): VU038942.D (-2587) (-)

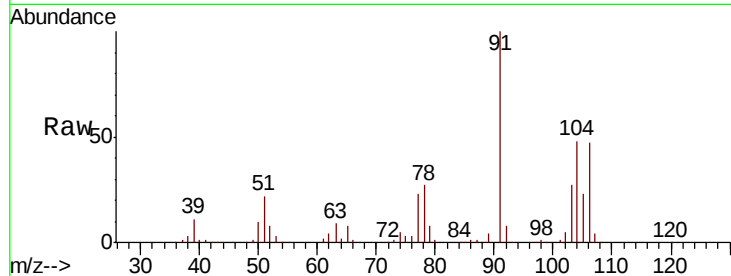




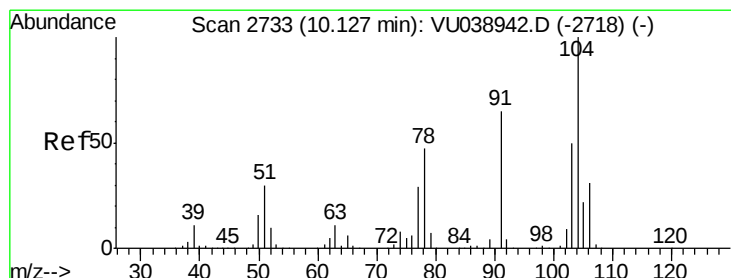
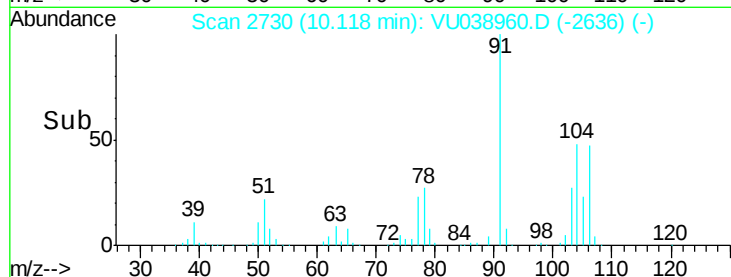
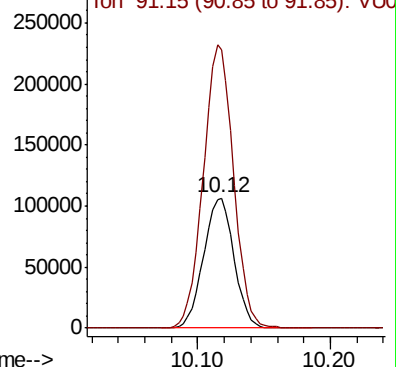
#54
o-Xylene
Concen: 4.663 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU038960.D
Acq: 17 Jun 2020 22:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tot Ion:106 Resp: 169826
Ion Ratio Lower Upper
106 100
91 214.0 148.4 275.6

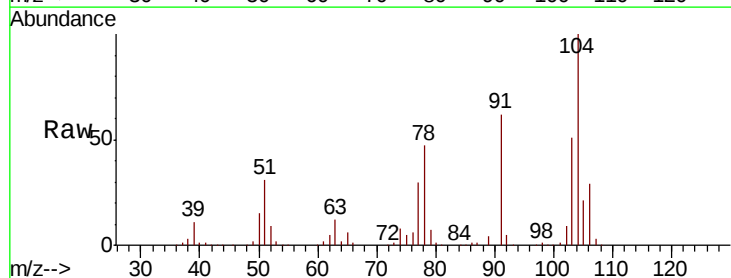


Abundance Ion 106.15 (105.85 to 106.85): V

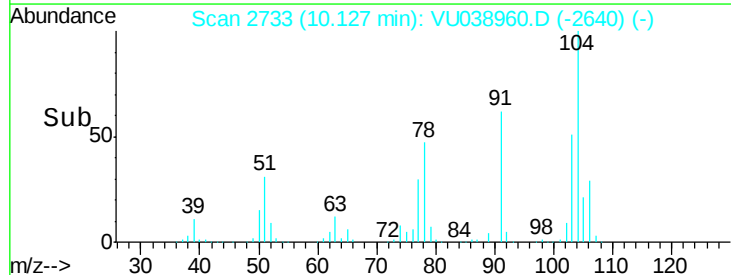
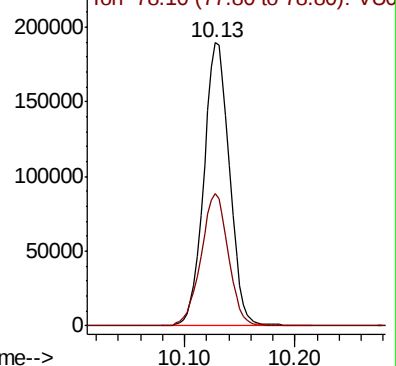


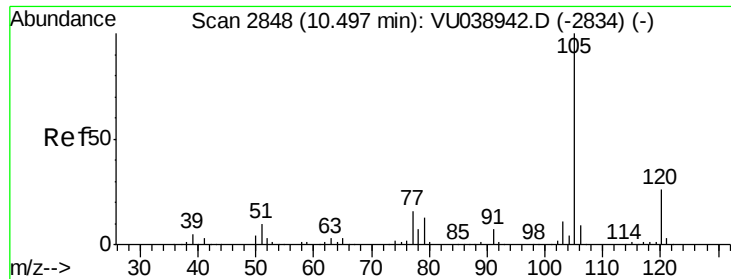
#55
Styrene
Concen: 4.885 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU038960.D
Acq: 17 Jun 2020 22:16

Tgt Ion:104 Resp: 306556
Ion Ratio Lower Upper
104 100
78 46.6 32.0 59.4



Abundance Ion 104.10 (103.80 to 104.80): V





#56

Isopropylbenzene

Concen: 4.568 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VU038960.D

Acq: 17 Jun 2020 22:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

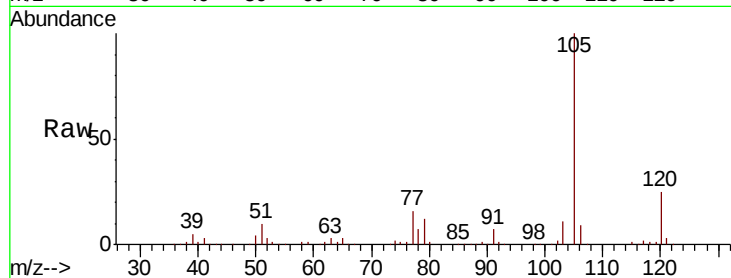
Tot Ion:105 Resp: 442785

Ion Ratio Lower Upper

105 100

120 25.3 20.4 30.6

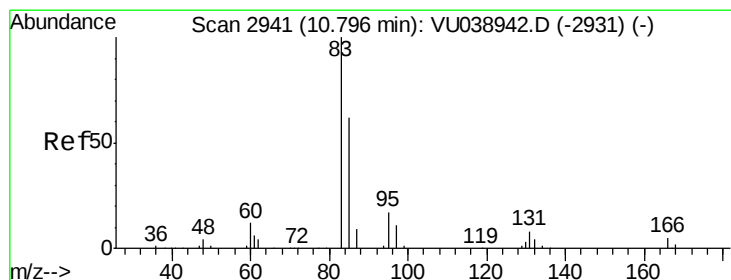
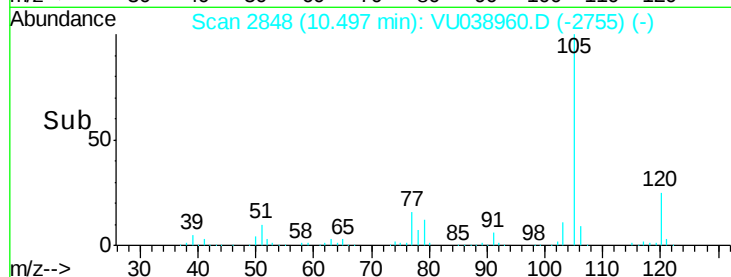
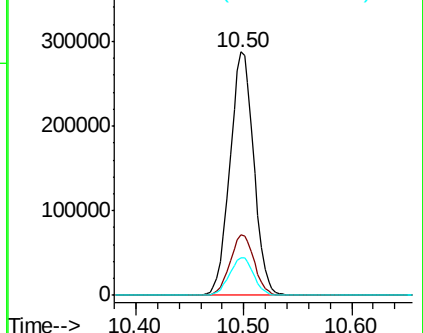
77 15.8 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.714 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU038960.D

Acq: 17 Jun 2020 22:16

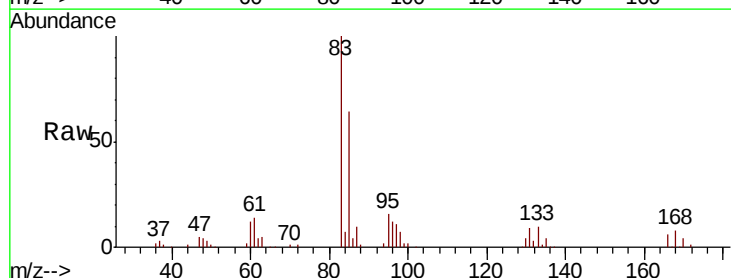
Tgt Ion: 83 Resp: 110921

Ion Ratio Lower Upper

83 100

85 64.1 45.4 84.4

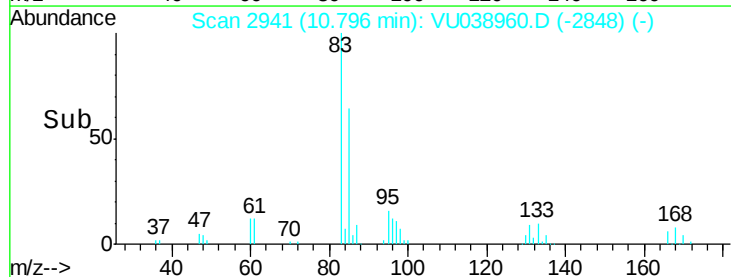
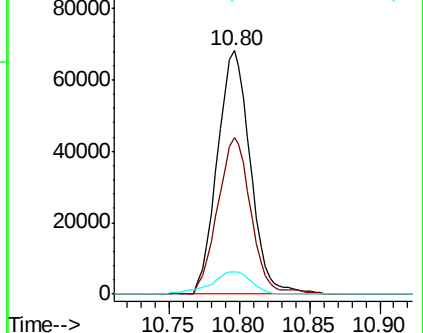
131 9.3 8.2 12.4

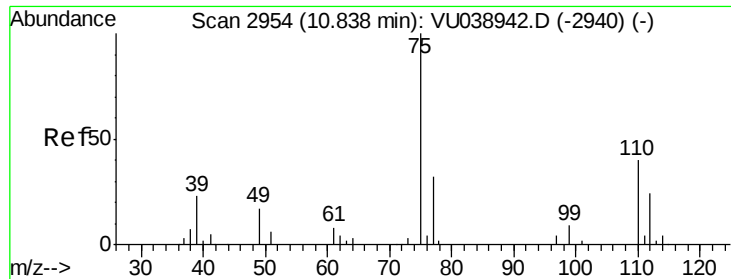


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.641 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU038960.D

Acq: 17 Jun 2020 22:16

Instrument :

MSVOA_U

ClientSampleId :

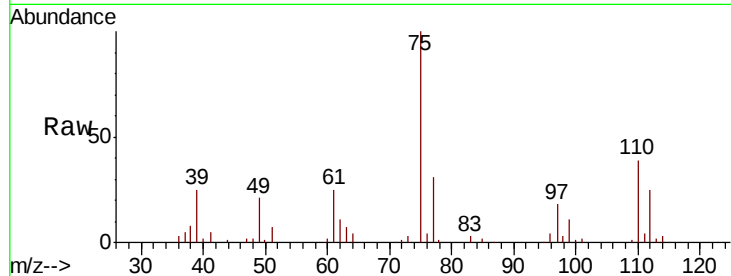
VSTD00529

Tot Ion: 75 Resp: 82173

Ion Ratio Lower Upper

75 100

77 32.9 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU038942.D (-2940) (-)

Ion 77.00 (76.70 to 77.70): VU038942.D (-2940) (-)

10.84

60000

50000

40000

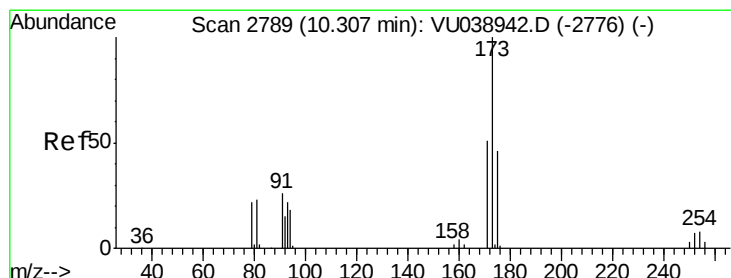
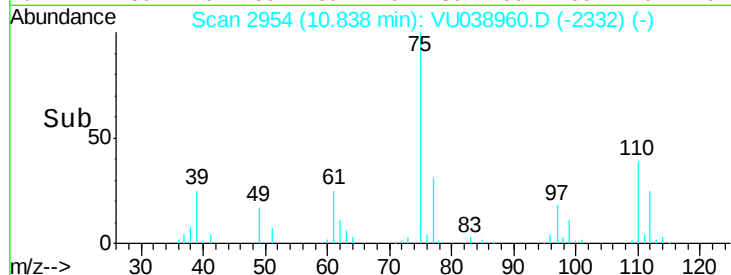
30000

20000

10000

0

Time-->



#61

Bromoform

Concen: 4.684 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VU038960.D

Acq: 17 Jun 2020 22:16

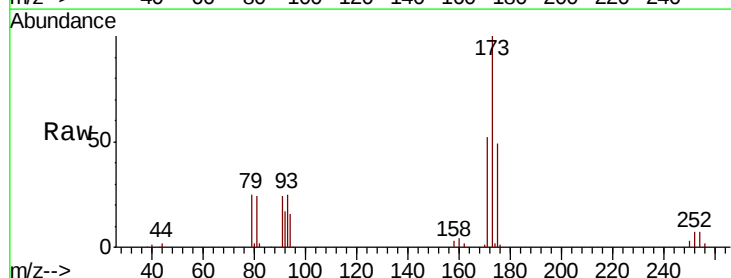
Tgt Ion: 173 Resp: 57029

Ion Ratio Lower Upper

173 100

175 49.1 39.2 58.8

254 7.4 6.1 9.1



Abundance Ion 172.90 (172.60 to 173.60): VU038942.D (-2776) (-)

Ion 174.90 (174.60 to 175.60): VU038942.D (-2776) (-)

Ion 253.75 (253.45 to 254.45): VU038942.D (-2776) (-)

10.31

40000

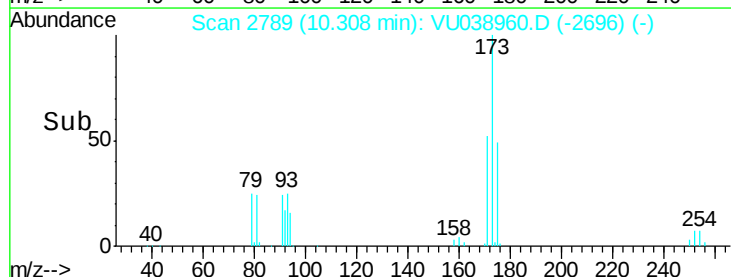
30000

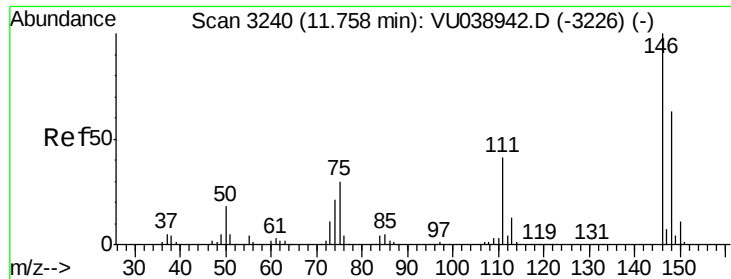
20000

10000

0

Time-->

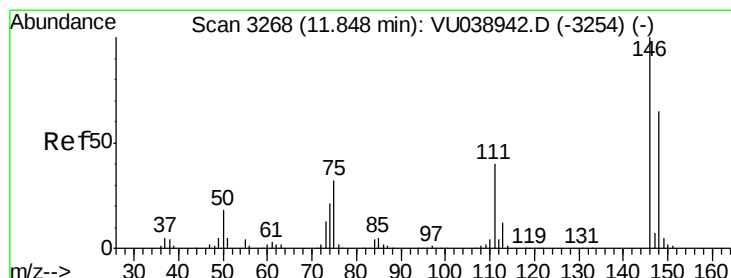
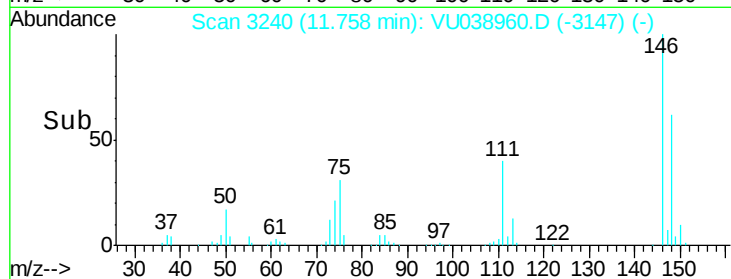
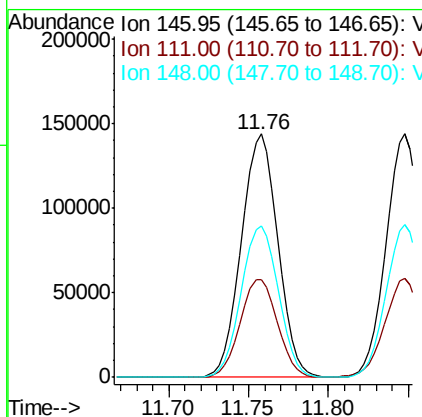
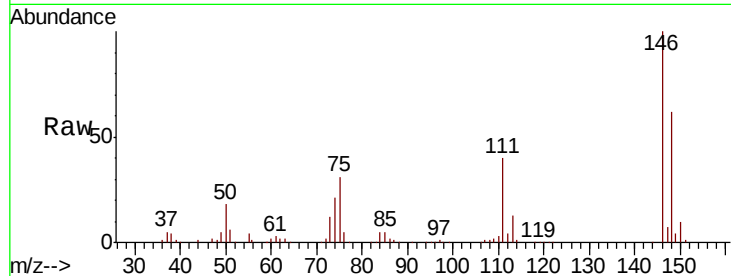




#62
 1,3-Dichlorobenzene
 Concen: 4.788 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU038960.D
 Acq: 17 Jun 2020 22:16

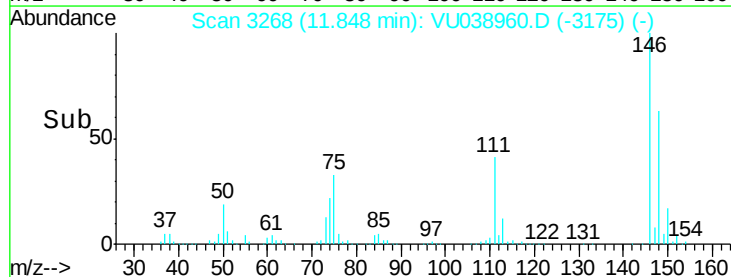
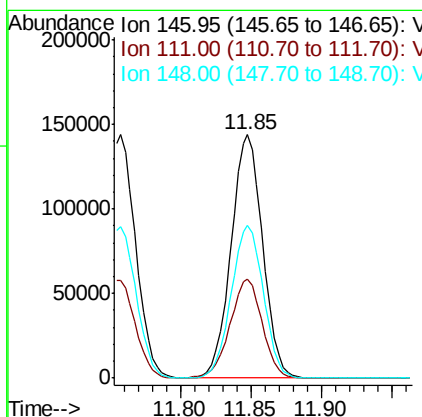
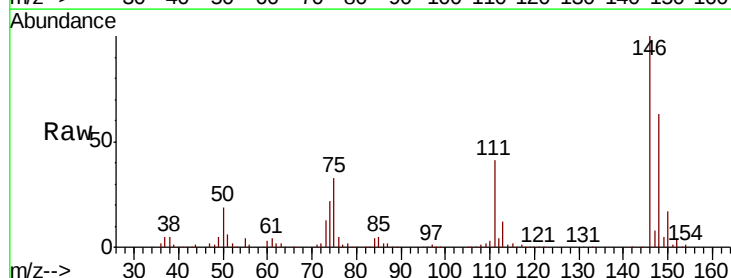
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

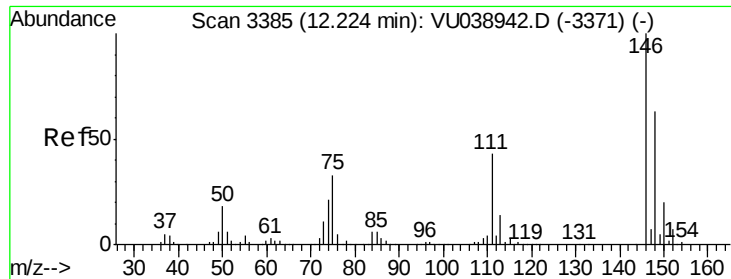
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	29.0	53.8
148	62.1	45.1	83.9



#63
 1,4-Dichlorobenzene
 Concen: 4.675 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU038960.D
 Acq: 17 Jun 2020 22:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	27.2	50.6
148	62.9	44.0	81.6

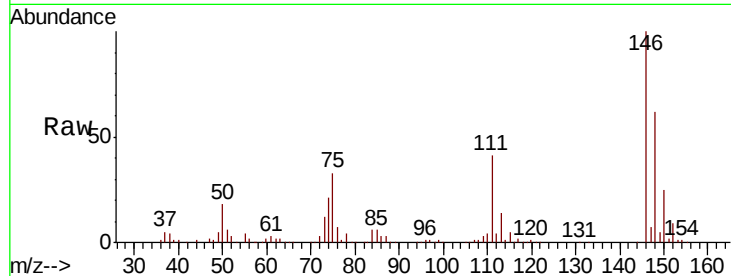




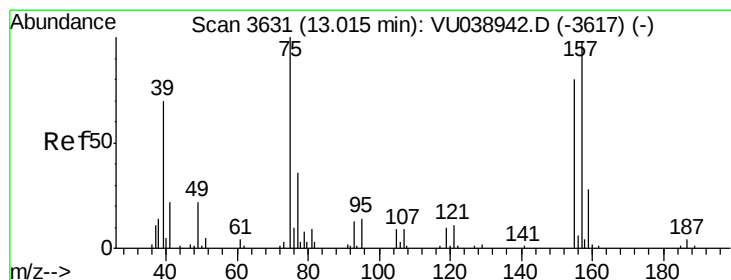
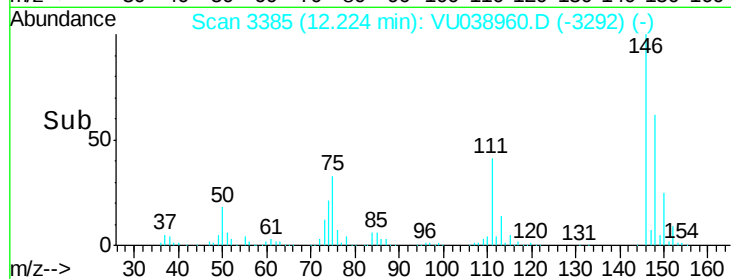
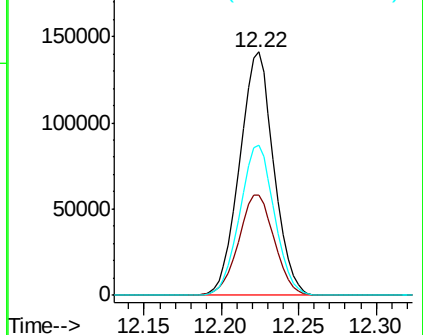
#65
 1,2-Dichlorobenzene
 Concen: 4.692 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. 0.00 min
 Lab File: VU038960.D
 Acq: 17 Jun 2020 22:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Tot Ion:146 Resp: 21683
 Ion Ratio Lower Upper
 146 100
 111 41.2 35.7 53.5
 148 61.6 51.6 77.4

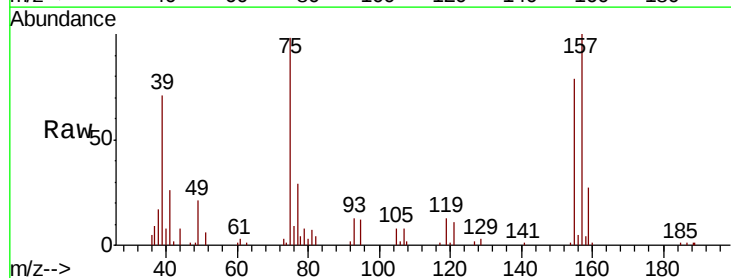


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

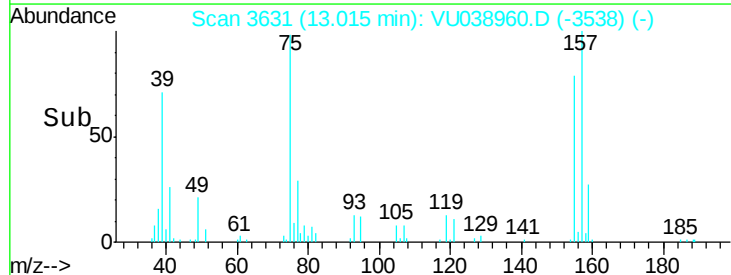
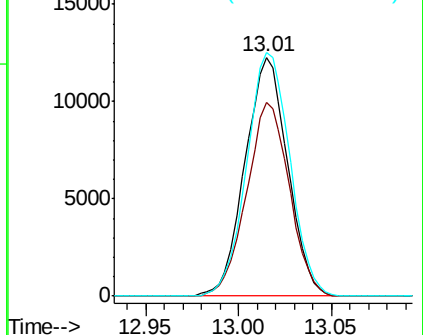


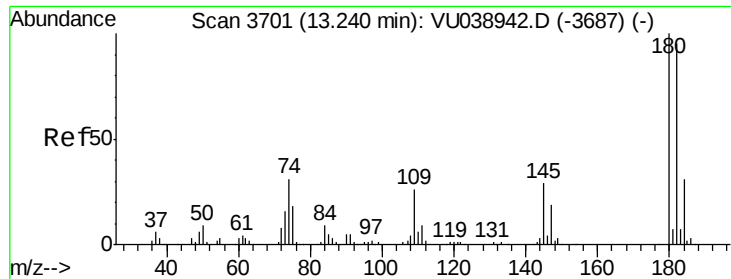
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.206 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VU038960.D
 Acq: 17 Jun 2020 22:16

Tgt Ion: 75 Resp: 19587
 Ion Ratio Lower Upper
 75 100
 155 81.1 65.4 98.2
 157 102.0 80.6 120.8



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

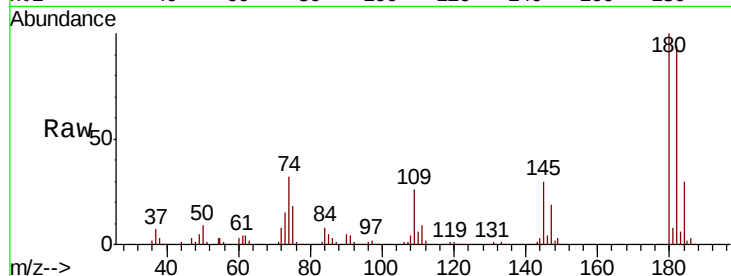




#67
 1,3,5-Trichlorobenzene
 Concen: 4.364 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU038960.D
 Acq: 17 Jun 2020 22:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.3	114.5
184	30.4	24.0	36.0
145	31.3	24.6	36.8



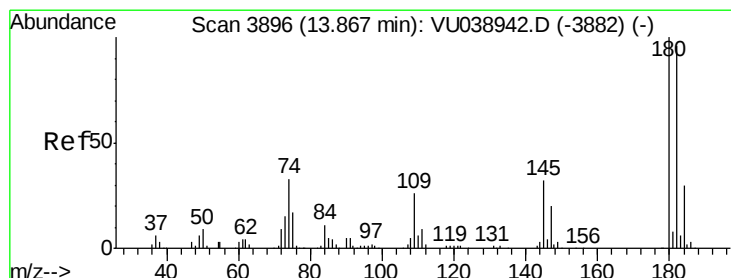
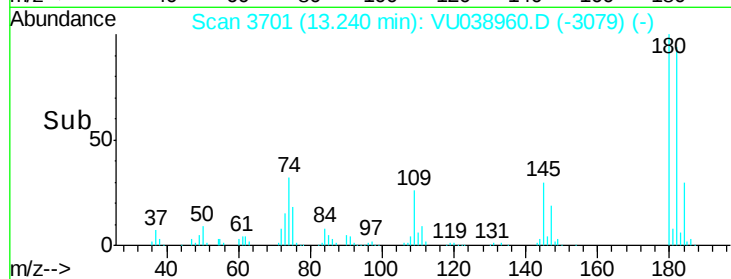
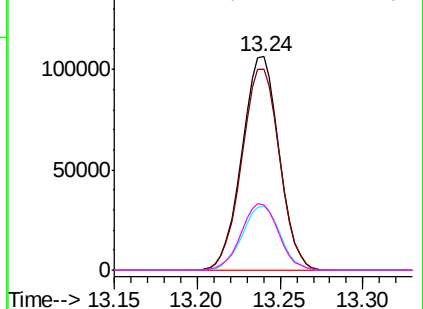
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

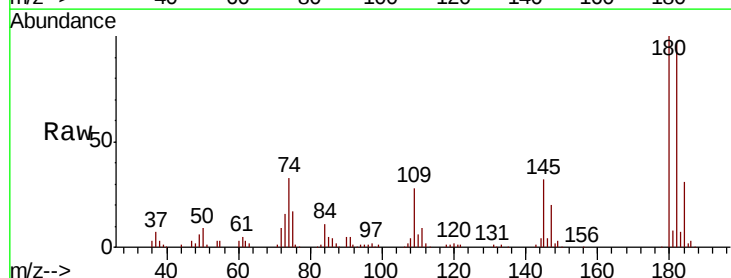
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.338 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU038960.D
 Acq: 17 Jun 2020 22:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	75.4	113.2
145	31.7	24.7	37.1

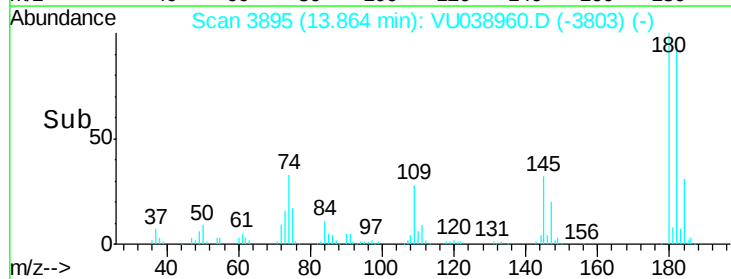
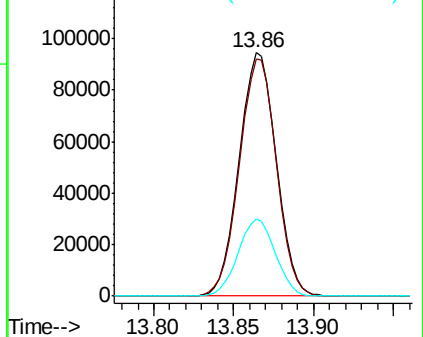


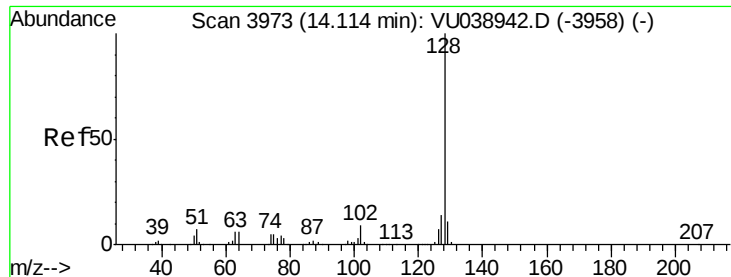
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.404 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU038960.D

Acq: 17 Jun 2020 22:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

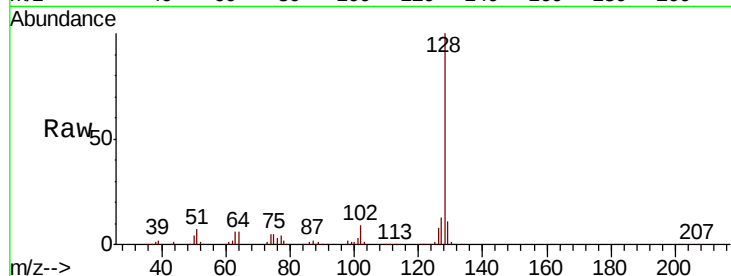
Tot Ion:128 Resp: 292843

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

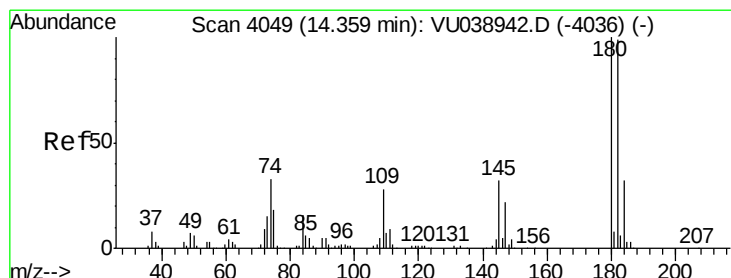
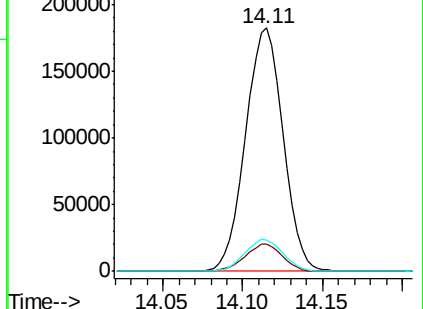
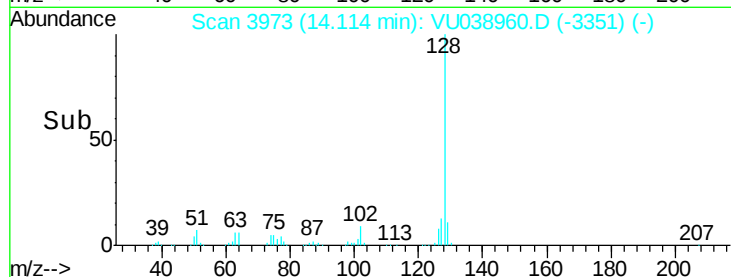
127 13.4 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.506 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU038960.D

Acq: 17 Jun 2020 22:16

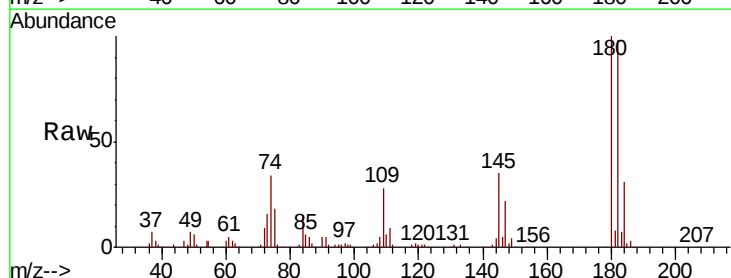
Tgt Ion:180 Resp: 143621

Ion Ratio Lower Upper

180 100

182 96.3 75.5 113.3

145 33.9 27.2 40.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

