

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061020\
 Data File : VU038728.D
 Acq On : 09 Jun 2020 16:54
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Quant Time: Jun 10 05:06:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 10 00:33:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	619961	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	603607	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	304039	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	151127	43.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.26%
7) Chloroethane-d5	1.93	69	129492	48.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.38%
11) 1,1-Dichloroethene-d2	2.59	63	351657	46.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.16%
21) 2-Butanone-d5	4.66	46	328520	97.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.49%
24) Chloroform-d	5.10	84	353574	47.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.70%
26) 1,2-Dichloroethane-d4	5.74	65	226817	45.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.64%
32) Benzene-d6	5.76	84	699958	48.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.28%
36) 1,2-Dichloropropane-d6	6.72	67	217709	48.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.16%
41) Toluene-d8	7.92	98	634107	48.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.52%
43) trans-1,3-Dichloropropene-	8.20	79	107749	47.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.52%
47) 2-Hexanone-d5	8.65	63	228303	95.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.72%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	316332	47.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.66%
64) 1,2-Dichlorobenzene-d4	12.21	152	253275	47.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	244440	49.791	ug/L 100
3) Chloromethane	1.53	50	212491	44.868	ug/L 99
5) Vinyl chloride	1.62	62	233109	46.998	ug/L 99
6) Bromomethane	1.87	94	125017	48.396	ug/L 100
8) Chloroethane	1.95	64	142173	48.998	ug/L 98
9) Trichlorofluoromethane	2.16	101	339386	49.686	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	201626	50.641	ug/L 99
12) 1,1-Dichloroethene	2.61	96	192074	48.947	ug/L 96
13) Acetone	2.65	43	260878	96.072	ug/L 97
14) Carbon disulfide	2.82	76	623630	49.078	ug/L 99
15) Methyl Acetate	2.98	43	272596	48.038	ug/L 100
16) Methylene chloride	3.08	84	218255	46.845	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	206376	48.060	ug/L 98
18) Methyl tert-butyl Ether	3.40	73	671401	48.357	ug/L 99
19) 1,1-Dichloroethane	3.91	63	385700	47.402	ug/L 97
20) cis-1,2-Dichloroethene	4.71	96	226425	47.700	ug/L 100
22) 2-Butanone	4.74	43	406237	97.552	ug/L 100

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 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

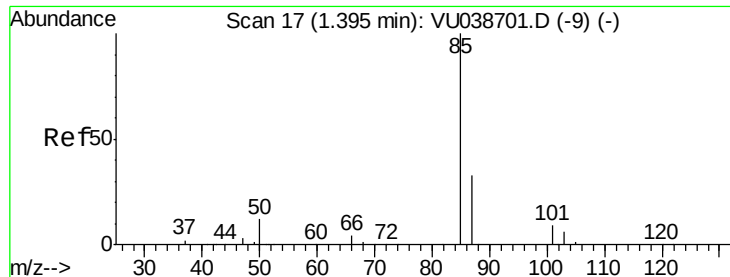
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Quant Time: Jun 10 05:06:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	113289	48.185	ug/L	96
25) Chloroform	5.12	83	390128	47.908	ug/L	98
27) 1,2-Dichloroethane	5.83	62	325502	48.318	ug/L	99
29) Cyclohexane	5.42	56	355681	51.505	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	344475	48.570	ug/L	100
31) Carbon tetrachloride	5.56	117	291685	49.680	ug/L	99
33) Benzene	5.81	78	881874	49.200	ug/L	100
34) Trichloroethene	6.57	95	227167	49.831	ug/L	99
35) Methylcyclohexane	6.79	83	362047	52.660	ug/L	98
37) 1,2-Dichloropropane	6.82	63	222806	47.701	ug/L	99
38) Bromodichloromethane	7.13	83	293812	49.068	ug/L	97
39) cis-1,3-Dichloropropene	7.63	75	360460	50.040	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	703219	96.303	ug/L	100
42) Toluene	7.99	91	948090	50.587	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	344587	49.941	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	215243	47.878	ug/L	97
46) Tetrachloroethene	8.57	164	166969	50.768	ug/L	98
48) 2-Hexanone	8.71	43	578826	95.892	ug/L	100
49) Dibromochloromethane	8.83	129	227378	49.247	ug/L	97
50) 1,2-Dibromoethane	8.94	107	235215	48.677	ug/L	97
51) Chlorobenzene	9.47	112	594867	49.406	ug/L	99
52) Ethylbenzene	9.59	91	1057311	51.117	ug/L	99
53) m,p-Xylene	9.71	106	408203	51.411	ug/L	100
54) o-xylene	10.12	106	390232	50.627	ug/L	99
55) Styrene	10.13	104	683607	51.159	ug/L	98
56) Isopropylbenzene	10.50	105	1034154	51.406	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	356956	46.654	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	312891	47.775	ug/L	99
61) Bromoform	10.31	173	163442	49.012	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	470555	50.145	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	473312	49.811	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	464701	49.756	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	93050	48.076	ug/L	100
67) 1,3,5-Trichlorobenzene	13.24	180	345529	51.258	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	321241	50.550	ug/L	99
69) Naphthalene	14.12	128	1183240	52.668	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	328878	51.583	ug/L	99

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

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Acq On    : 09 Jun 2020   16:54  
Operator  : SY/MD  
Sample    : VSTDCCC050  
Misc      : 5.0mL/MSVOA U/WATER  
ALS Vial  : 1    Sample Multiplier: 1
```



#2

Dichlorodifluoromethane

Concen: 49.791 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038728.D

Acq: 09 Jun 2020 16:54

Instrument :

MSVOA_U

ClientSampled :

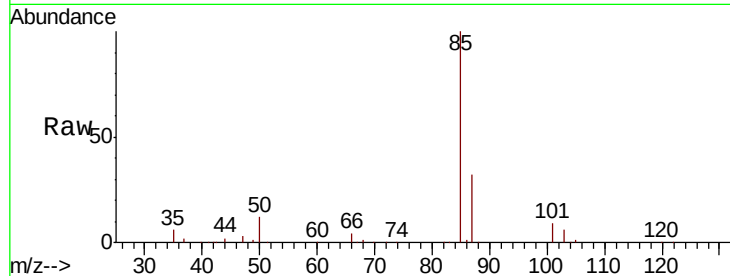
VSTD05046

Tot Ion: 85 Resp: 244440

Ion Ratio Lower Upper

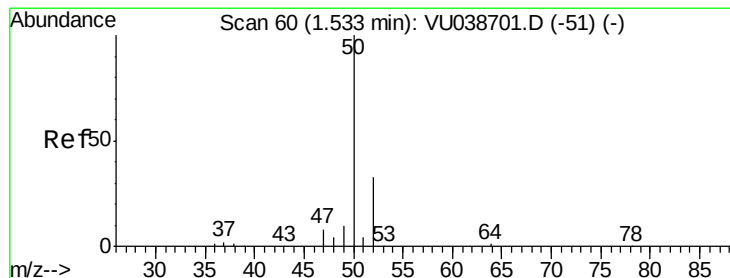
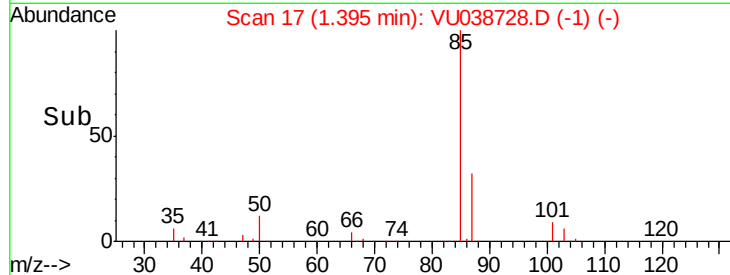
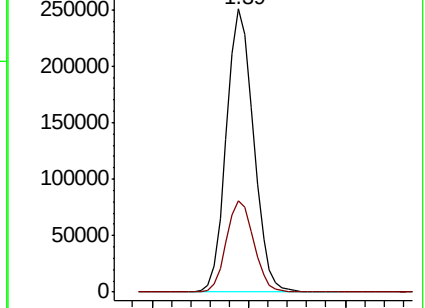
85 100

87 32.4 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU038701.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038701.D (-9) (-)



#3

Chloromethane

Concen: 44.868 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038728.D

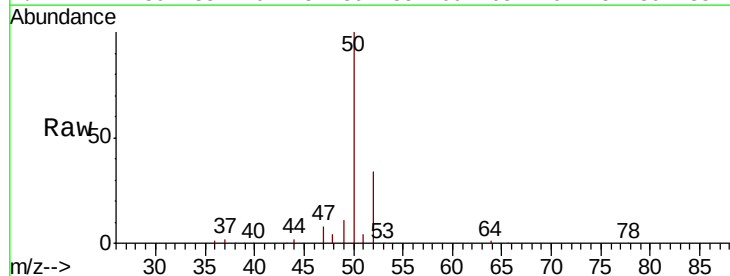
Acq: 09 Jun 2020 16:54

Tgt Ion: 50 Resp: 212491

Ion Ratio Lower Upper

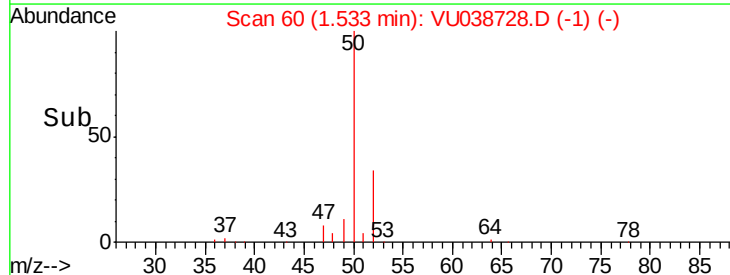
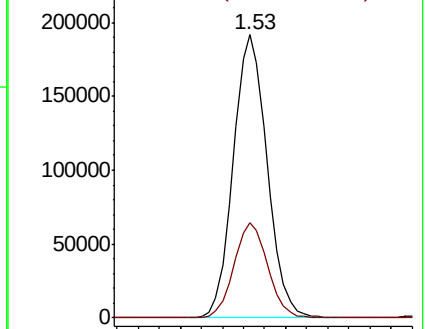
50 100

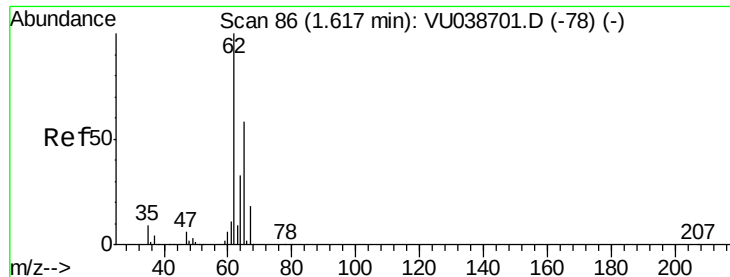
52 33.7 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU038701.D (-51) (-)

Ion 52.00 (51.70 to 52.70): VU038701.D (-51) (-)





#5

Vinyl chloride

Concen: 46.998 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038728.D

Acq: 09 Jun 2020 16:54

Instrument :

MSVOA_U

ClientSampleId :

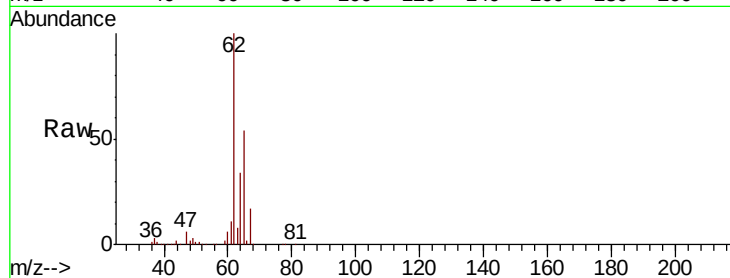
VSTD05046

Tot Ion: 62 Resp: 233109

Ion Ratio Lower Upper

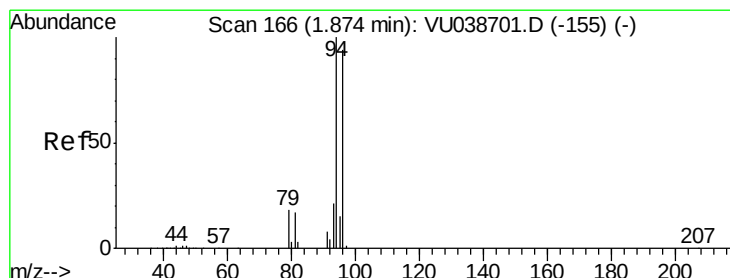
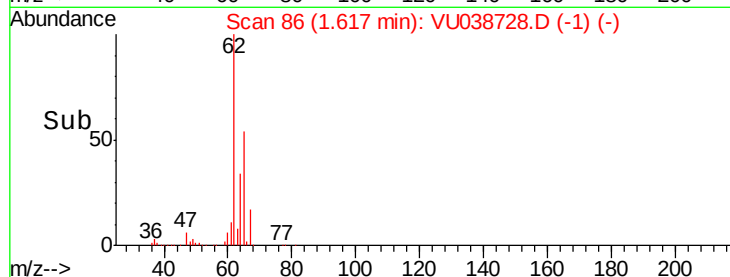
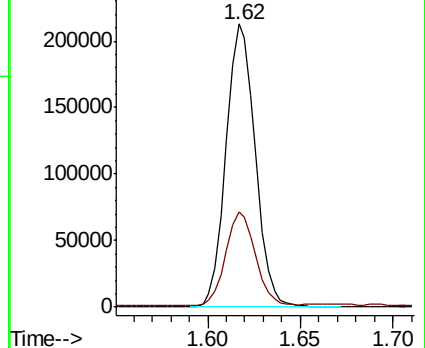
62 100

64 33.5 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU038728.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU038728.D (-1) (-)



#6

Bromomethane

Concen: 48.396 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU038728.D

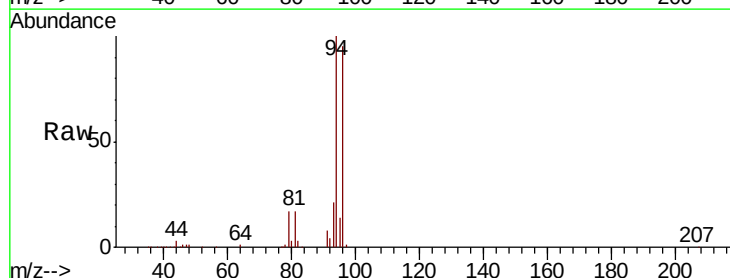
Acq: 09 Jun 2020 16:54

Tgt Ion: 94 Resp: 125017

Ion Ratio Lower Upper

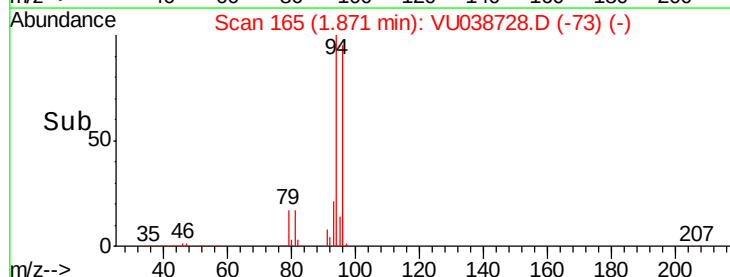
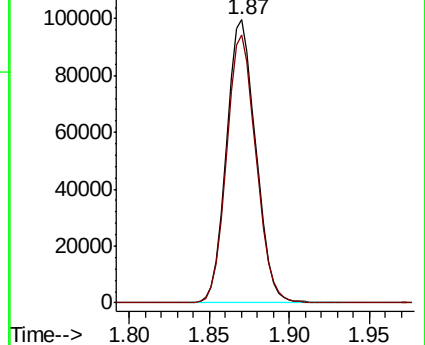
94 100

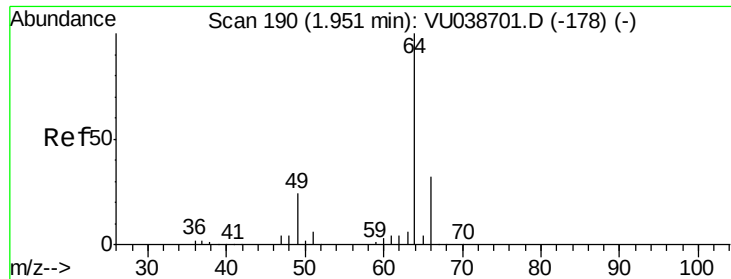
96 94.8 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VU038728.D (-73) (-)

Ion 96.00 (95.70 to 96.70): VU038728.D (-73) (-)

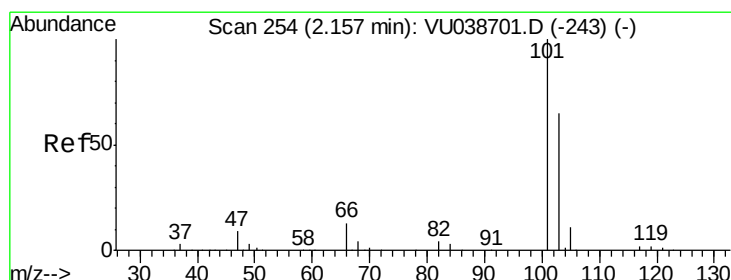
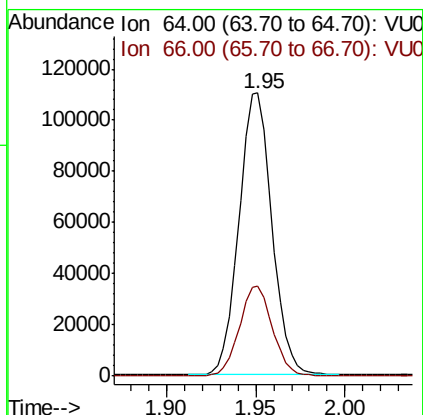
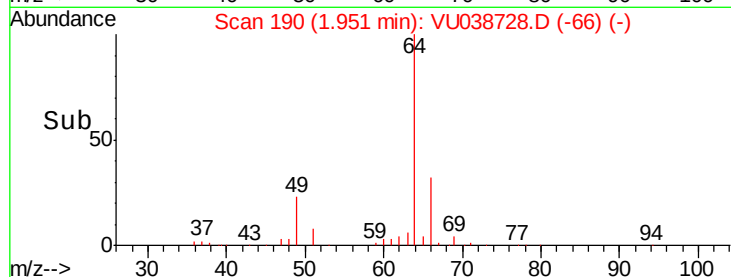
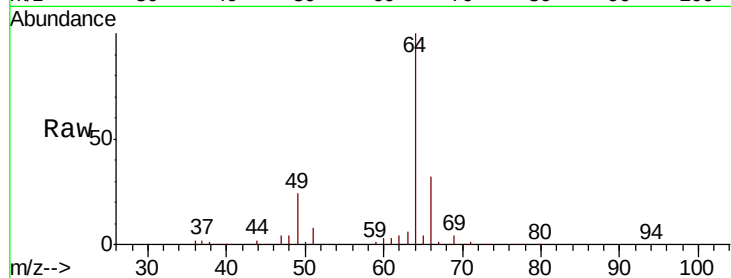




#8
Chloroethane
Concen: 48.998 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU038728.D
Acq: 09 Jun 2020 16:54

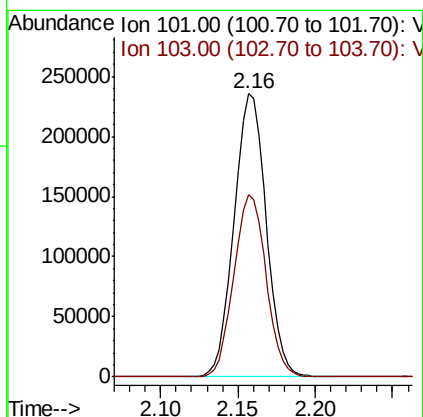
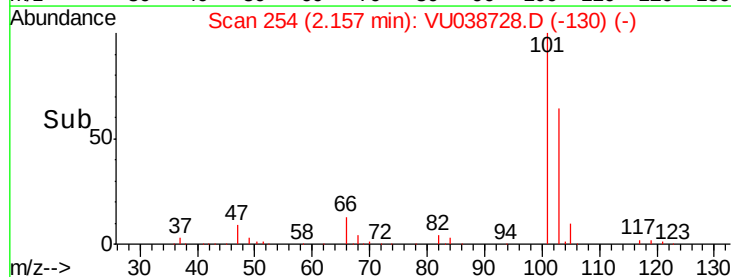
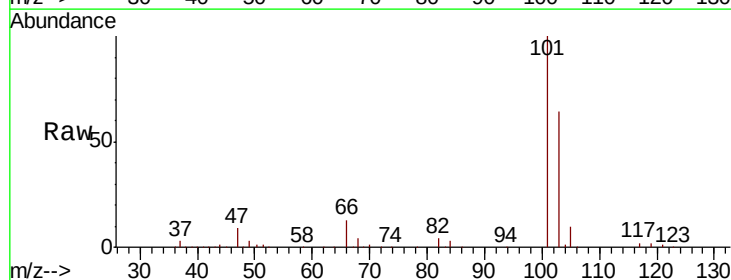
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

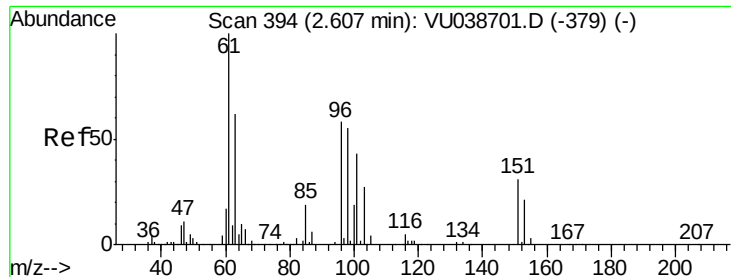
Tot Ion: 64 Resp: 142173
Ion Ratio Lower Upper
64 100
66 31.8 21.6 40.2



#9
Trichlorofluoromethane
Concen: 49.686 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU038728.D
Acq: 09 Jun 2020 16:54

Tgt Ion:101 Resp: 339386
Ion Ratio Lower Upper
101 100
103 64.5 51.7 77.5





#10

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

Concen: 50.641 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038728.D

Acq: 09 Jun 2020 16:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

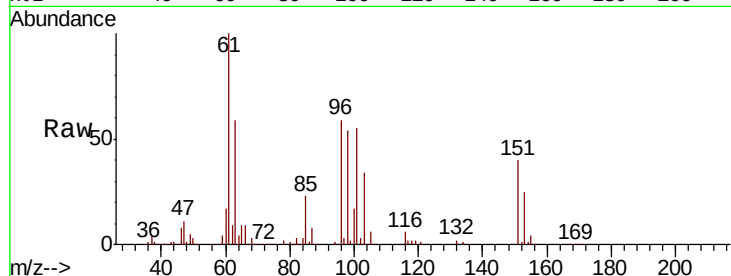
Tot Ion:101 Resp: 201626

Ion Ratio Lower Upper

101 100

85 43.3 35.1 52.7

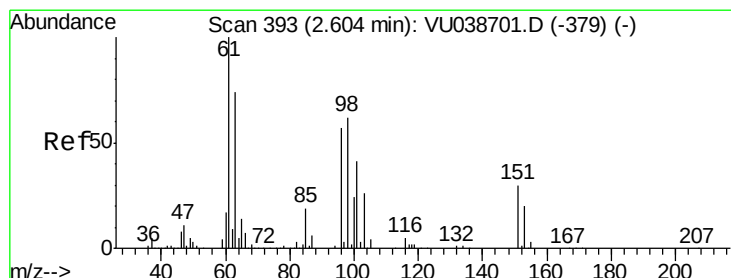
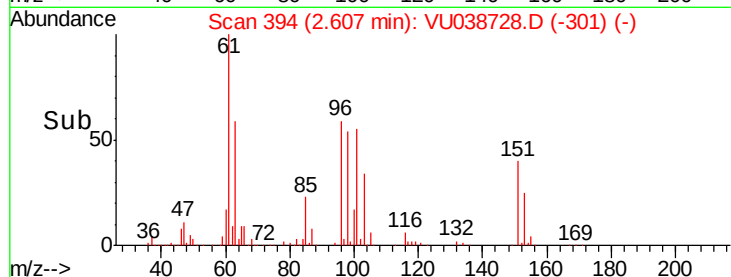
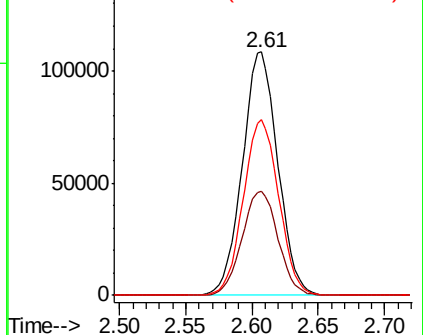
151 72.3 57.4 86.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 48.947 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038728.D

Acq: 09 Jun 2020 16:54

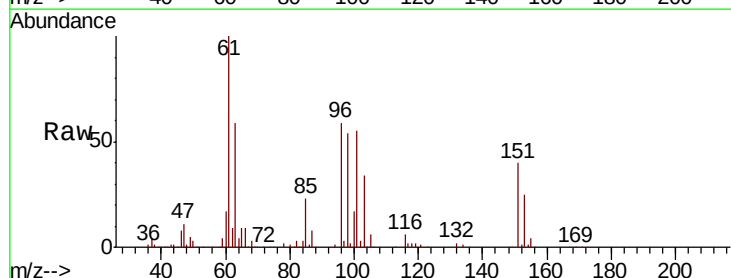
Tgt Ion: 96 Resp: 192074

Ion Ratio Lower Upper

96 100

61 169.8 120.0 223.0

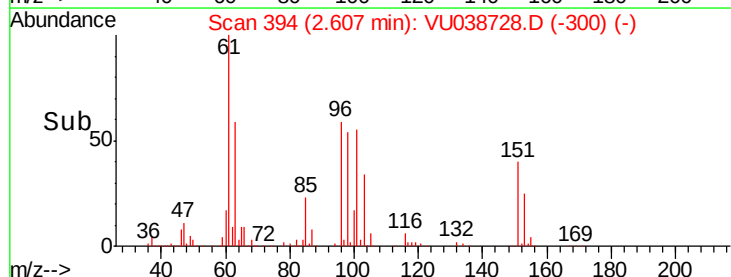
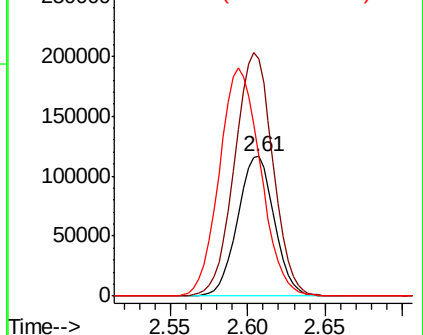
63 100.3 75.8 140.8

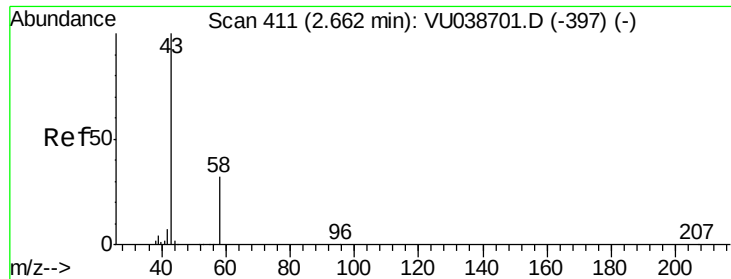


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 96.072 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: VU038728.D

Acq: 09 Jun 2020 16:54

Instrument :

MSVOA_U

ClientSampleId :

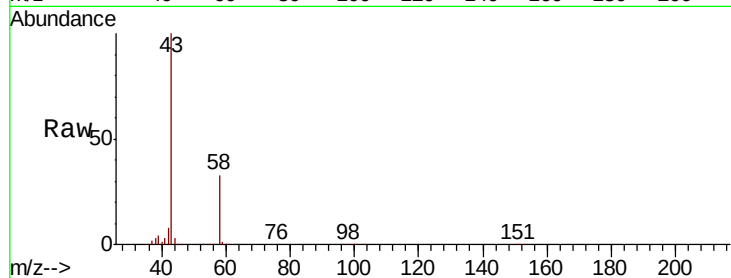
VSTD05046

Tot Ion: 43 Resp: 260878

Ion Ratio Lower Upper

43 100

58 32.3 0.0 67.6



Abundance Ion 43.00 (42.70 to 43.70): VU038728.D (-318) (-)

Ion 58.00 (57.70 to 58.70): VU038728.D (-318) (-)

2.65

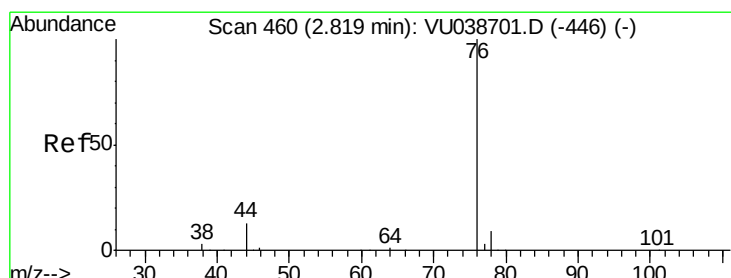
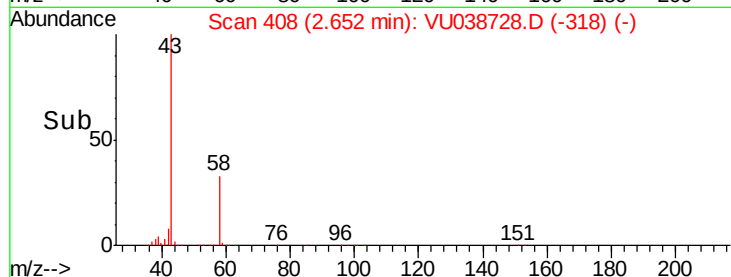
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Time-->



#14

Carbon disulfide

Concen: 49.078 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038728.D

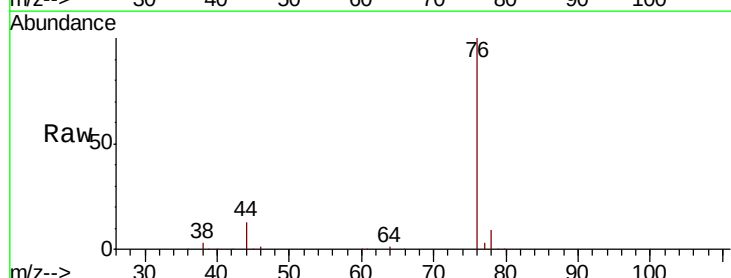
Acq: 09 Jun 2020 16:54

Tgt Ion: 76 Resp: 623630

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU038728.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU038728.D (-367) (-)

2.82

400000

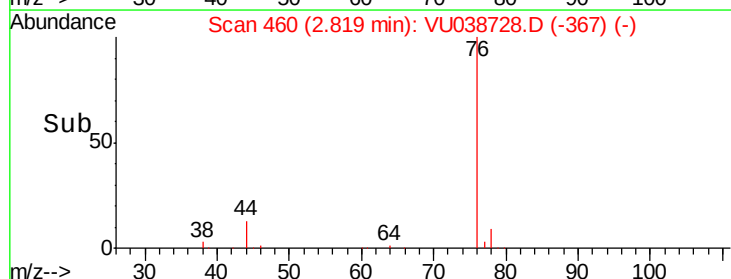
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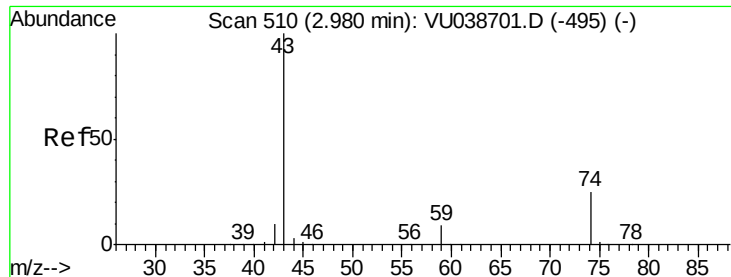
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Time-->

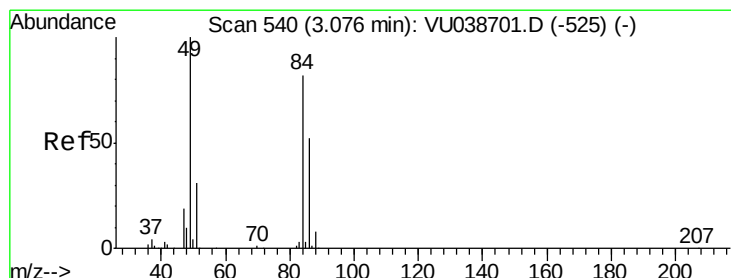
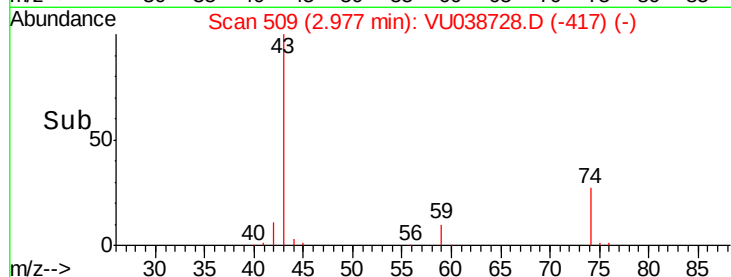
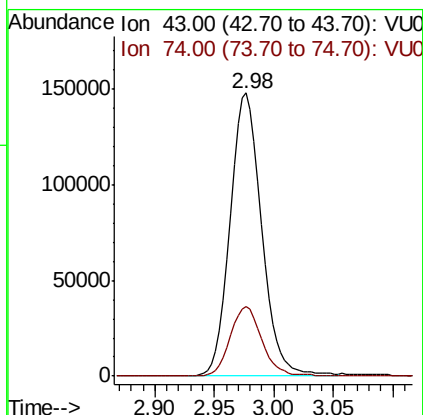
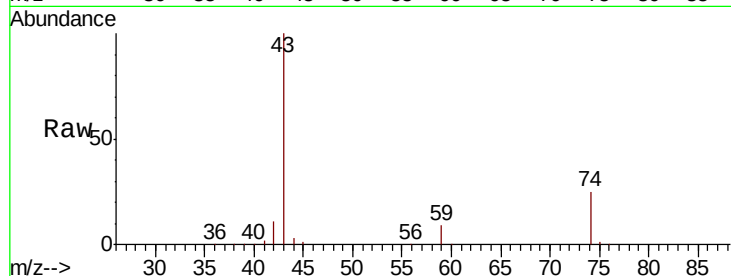




#15
Methvl Acetate
Concen: 48.038 ug/L
RT: 2.98 min Scan# 509
Delta R.T. -0.00 min
Lab File: VU038728.D
Acq: 09 Jun 2020 16:54

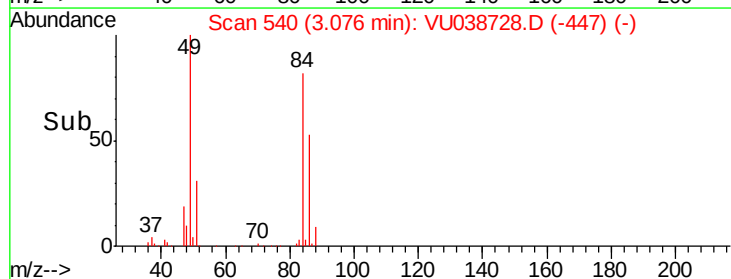
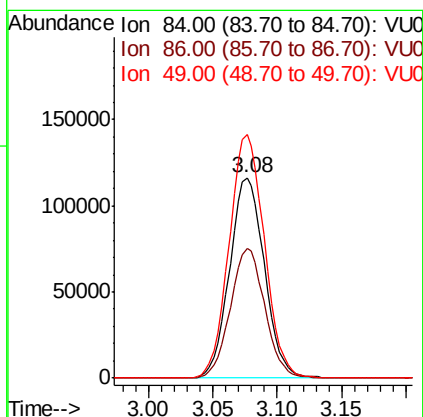
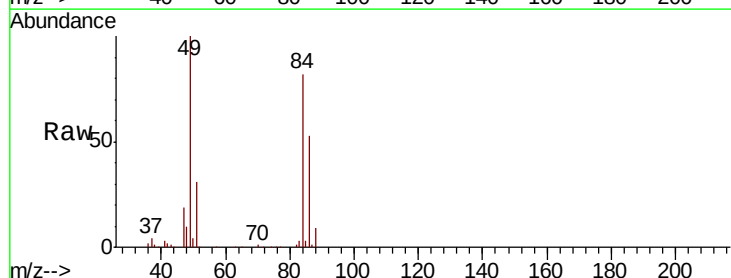
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

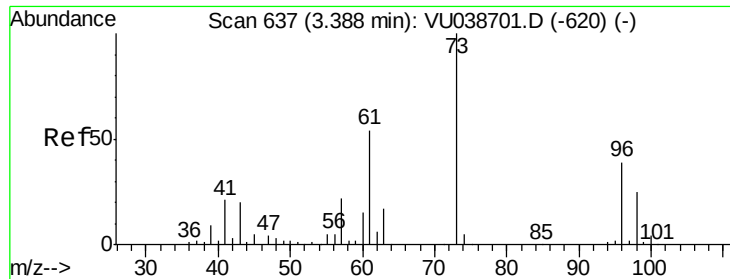
Tot Ion: 43 Resp: 272596
Ion Ratio Lower Upper
43 100
74 24.7 19.7 29.5



#16
Methylene chloride
Concen: 46.845 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU038728.D
Acq: 09 Jun 2020 16:54

Tgt Ion: 84 Resp: 218255
Ion Ratio Lower Upper
84 100
86 64.6 44.7 83.1
49 121.4 84.5 156.9

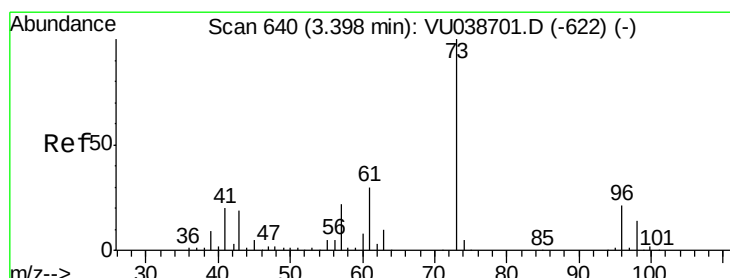
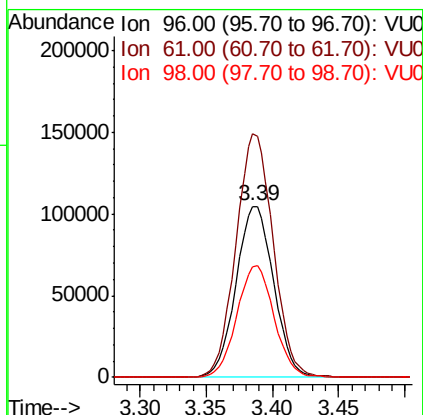
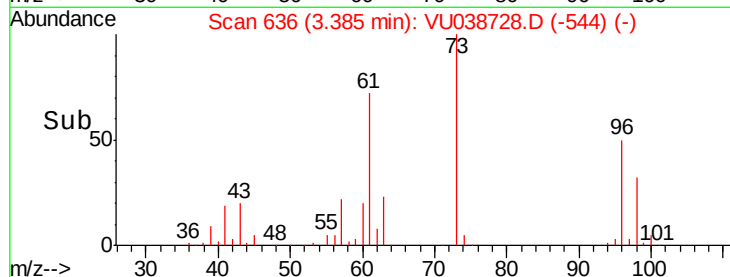
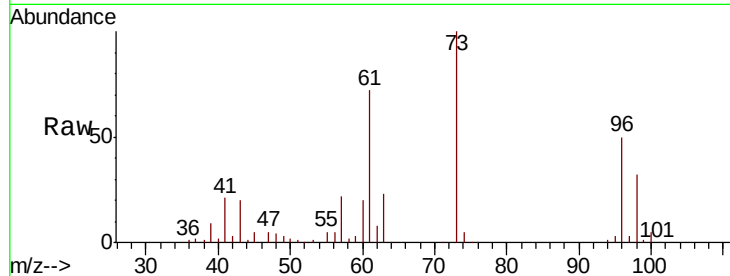




#17
trans-1,2-Dichloroethene
Concen: 48.060 ug/L
RT: 3.39 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU038728.D
Acq: 09 Jun 2020 16:54

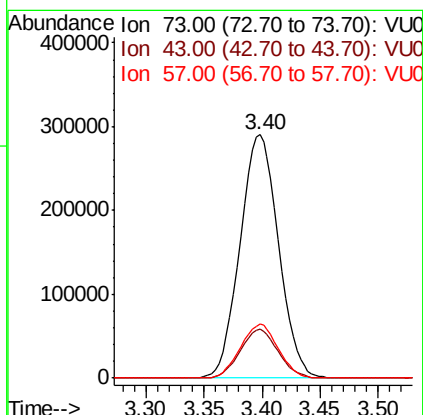
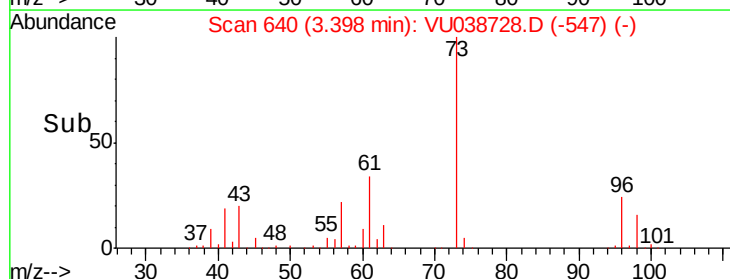
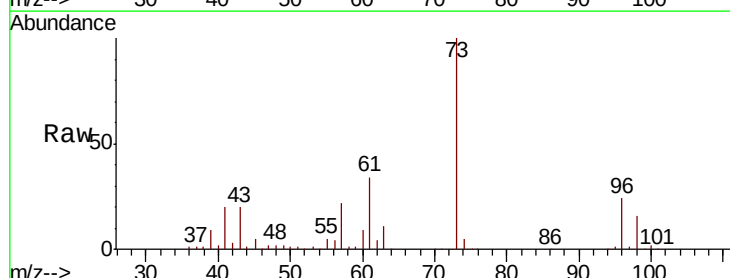
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

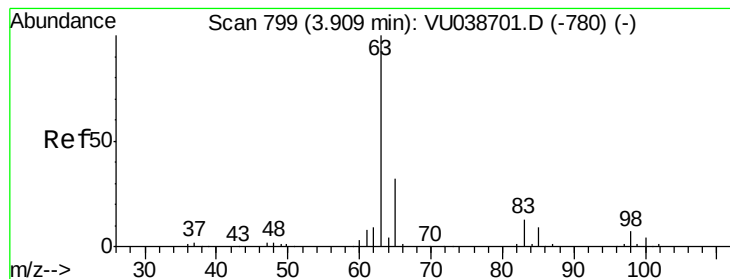
Tot Ion: 96 Resp: 206376
Ion Ratio Lower Upper
96 100
61 142.5 98.2 182.4
98 64.6 44.3 82.3



#18
Methyl tert-butyl Ether
Concen: 48.357 ug/L
RT: 3.40 min Scan# 640
Delta R.T. -0.00 min
Lab File: VU038728.D
Acq: 09 Jun 2020 16:54

Tgt Ion: 73 Resp: 671401
Ion Ratio Lower Upper
73 100
43 19.8 15.6 23.4
57 21.8 17.2 25.8





#19

1,1-Dichloroethane

Concen: 47.402 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU038728.D

Acq: 09 Jun 2020 16:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

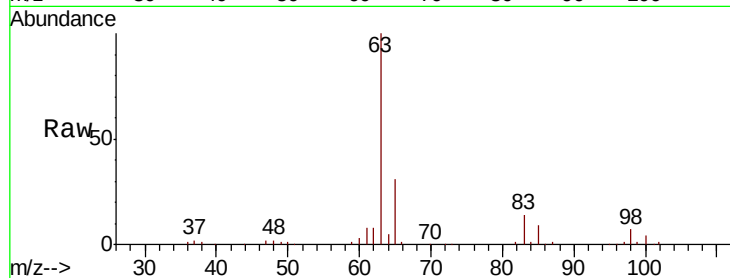
Tot Ion: 63 Resp: 385700

Ion Ratio Lower Upper

63 100

65 31.3 23.0 42.8

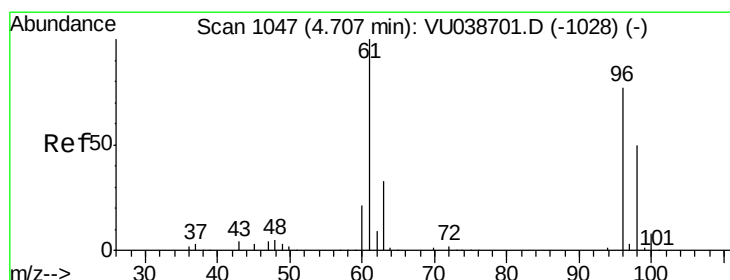
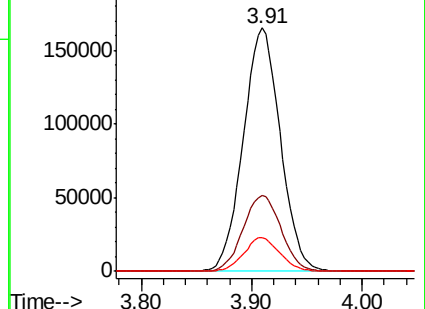
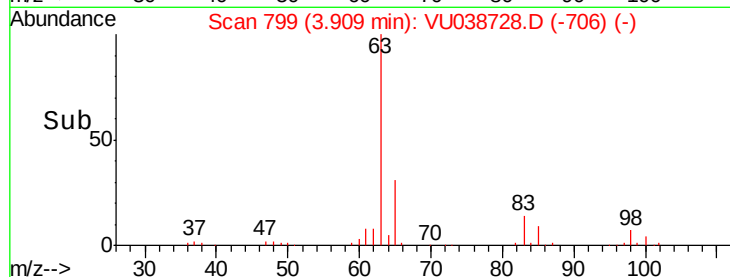
83 13.9 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VU038728.D (-706) (-)

Ion 65.00 (64.70 to 65.70): VU038728.D (-706) (-)

Ion 83.00 (82.70 to 83.70): VU038728.D (-706) (-)



#20

cis-1,2-Dichloroethene

Concen: 47.700 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038728.D

Acq: 09 Jun 2020 16:54

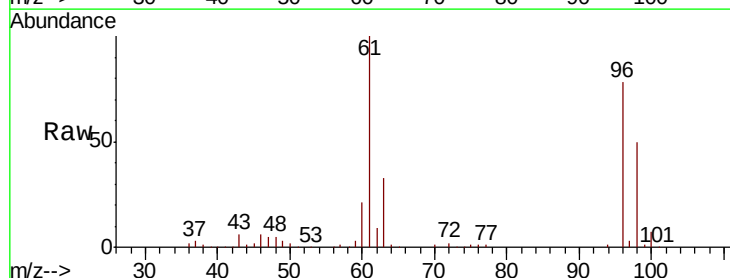
Tgt Ion: 96 Resp: 226425

Ion Ratio Lower Upper

96 100

61 128.1 89.5 166.1

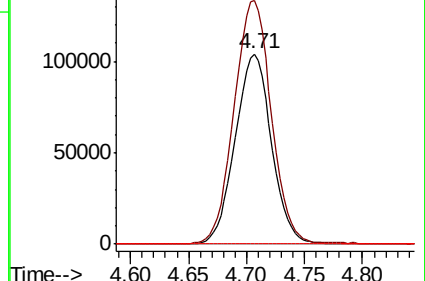
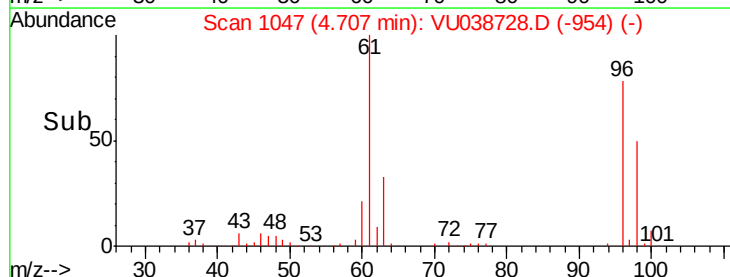
68 0.0 0.0 0.0

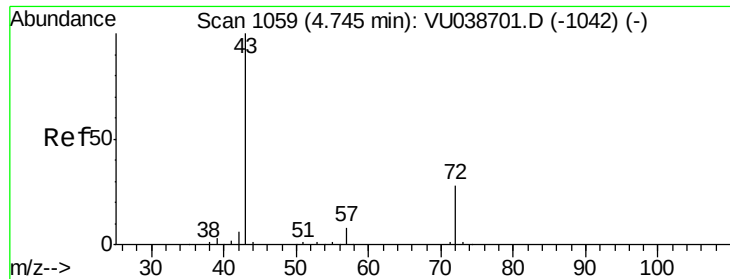


Abundance Ion 96.00 (95.70 to 96.70): VU038728.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU038728.D (-954) (-)

Ion 68.00 (67.70 to 68.70): VU038728.D (-954) (-)





#22

2-Butanone

Concen: 97.552 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VU038728.D

Acq: 09 Jun 2020 16:54

Instrument :

MSVOA_U

ClientSampleId :

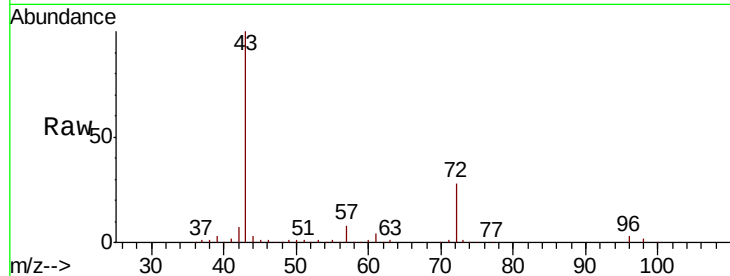
VSTD05046

Tot Ion: 43 Resp: 406237

Ion Ratio Lower Upper

43 100

72 28.0 14.1 42.3



Abundance Ion 43.00 (42.70 to 43.70): VU038728.D (-966) (-)

Ion 72.00 (71.70 to 72.70): VU038728.D (-966) (-)

4.74

200000

150000

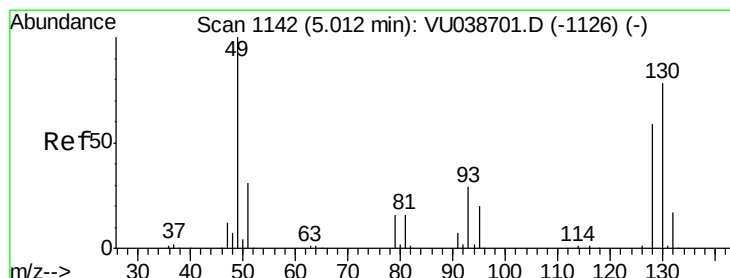
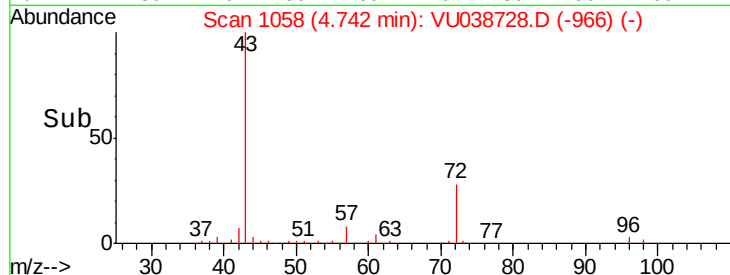
100000

50000

0

4.70 4.80

Time-->



#23

Bromochloromethane

Concen: 48.185 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU038728.D

Acq: 09 Jun 2020 16:54

Tgt Ion: 128 Resp: 113289

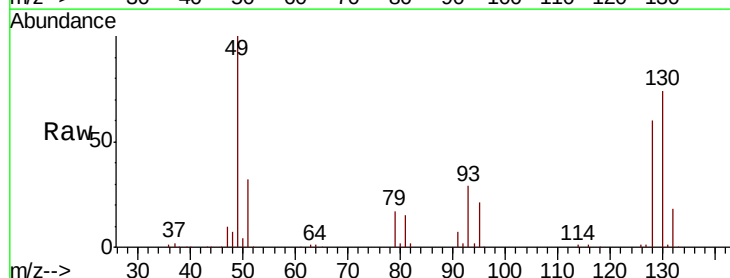
Ion Ratio Lower Upper

128 100

49 166.5 118.6 220.2

130 122.5 92.5 171.7

51 53.1 43.1 64.7



Abundance Ion 128.00 (127.70 to 128.70): VU038728.D (-1049) (-)

Ion 49.00 (48.70 to 49.70): VU038728.D (-1049) (-)

Ion 130.00 (129.70 to 130.70): VU038728.D (-1049) (-)

Ion 51.00 (50.70 to 51.70): VU038728.D (-1049) (-)

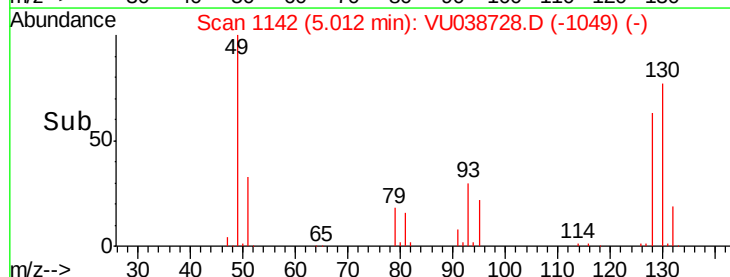
100000

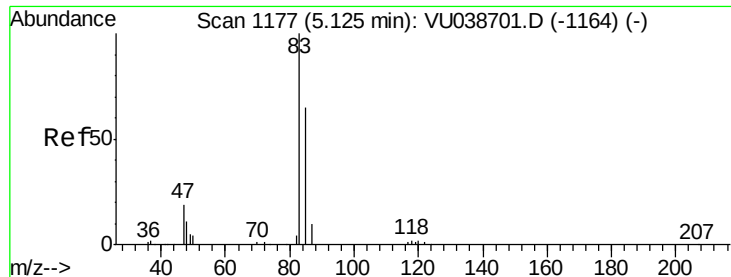
50000

0

4.90 4.95 5.00 5.05 5.10

Time-->

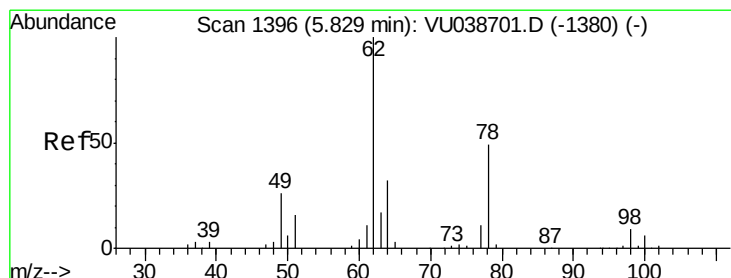
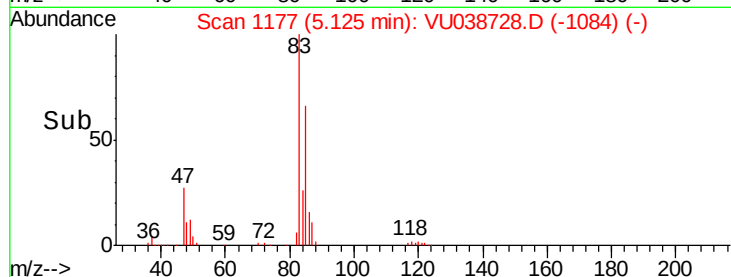
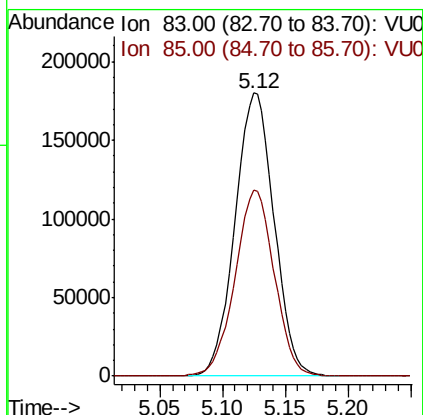
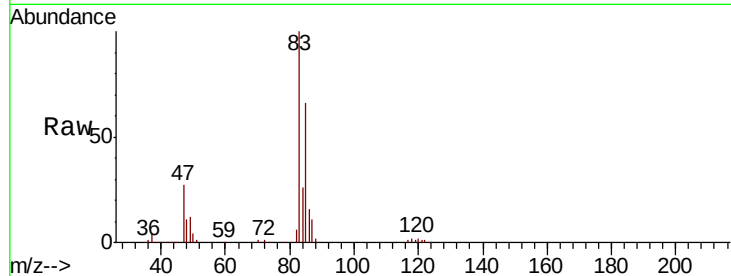




#25
Chloroform
Concen: 47.908 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038728.D
Acq: 09 Jun 2020 16:54

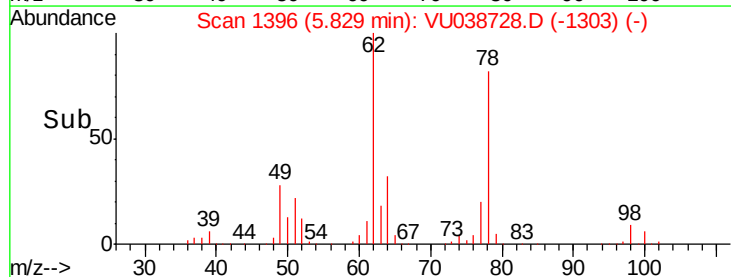
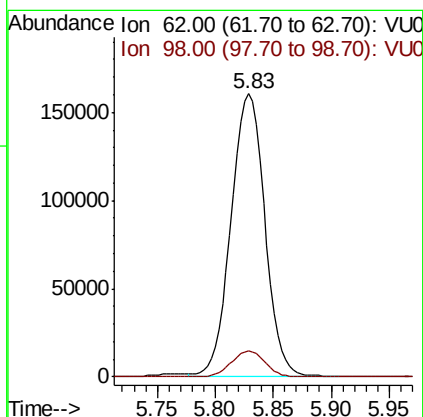
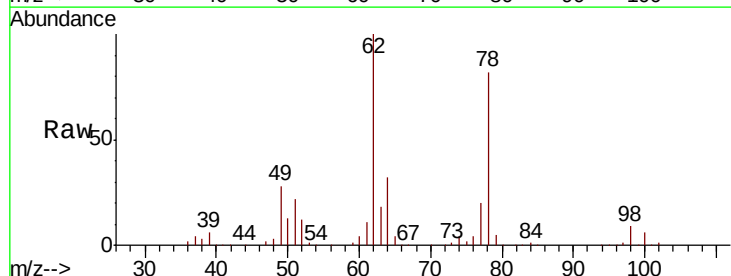
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

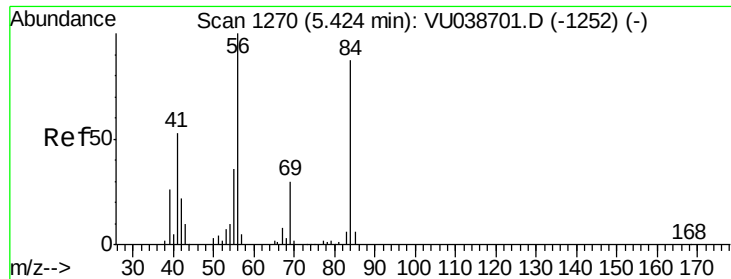
Tot Ion: 83 Resp: 390128
Ion Ratio Lower Upper
83 100
85 65.7 47.0 87.4



#27
1,2-Dichloroethane
Concen: 48.318 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038728.D
Acq: 09 Jun 2020 16:54

Tgt Ion: 62 Resp: 325502
Ion Ratio Lower Upper
62 100
98 9.2 7.8 11.6

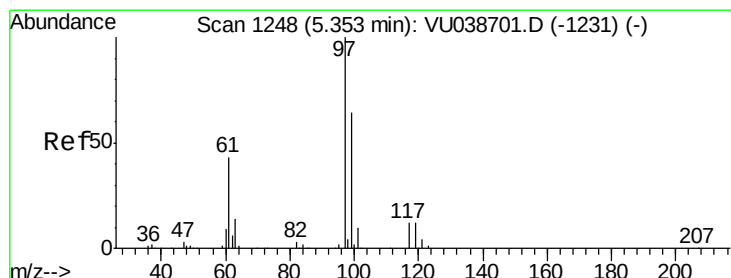
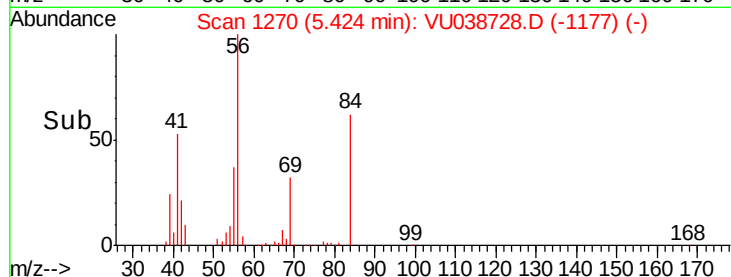
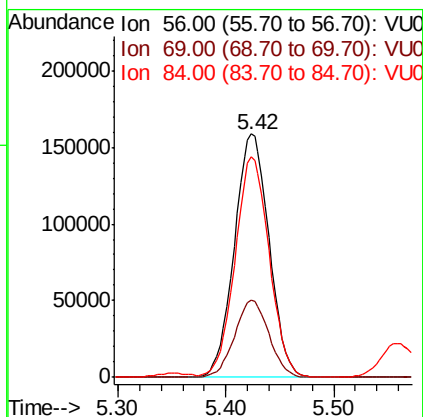
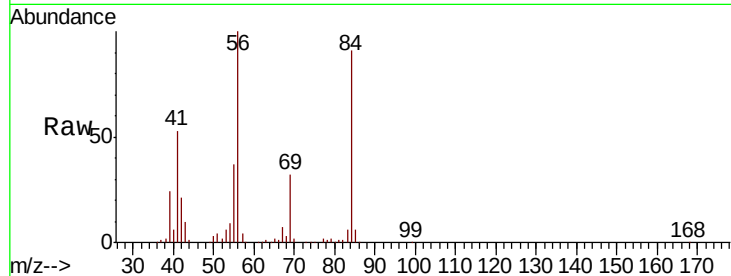




#29
Cyclohexane
Concen: 51.505 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU038728.D
Acq: 09 Jun 2020 16:54

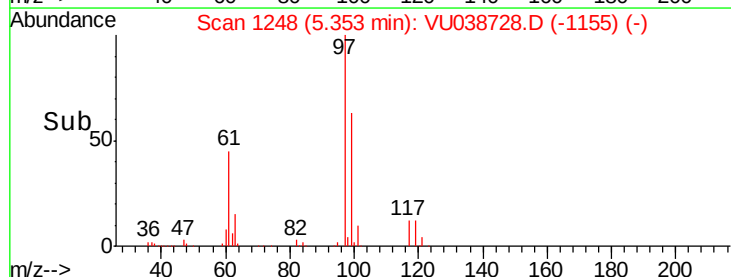
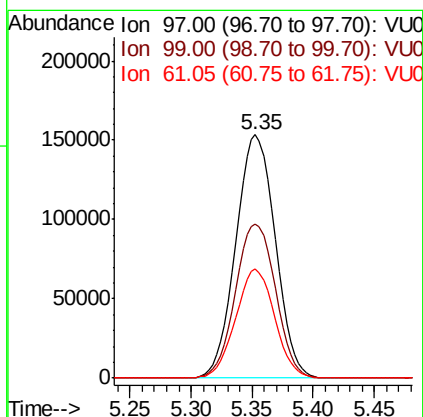
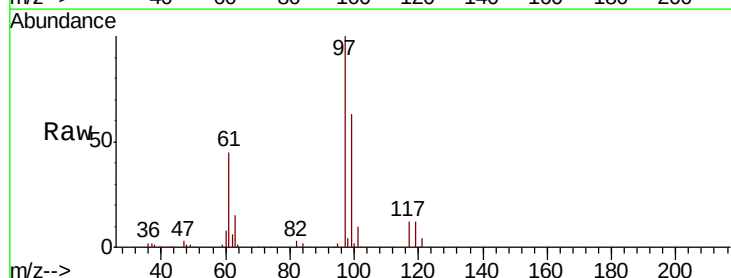
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

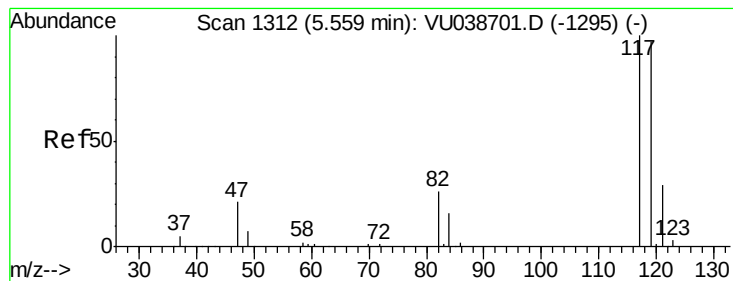
Tot Ion: 56 Resp: 355681
Ion Ratio Lower Upper
56 100
69 31.3 25.1 37.7
84 88.8 70.5 105.7



#30
1,1,1-Trichloroethane
Concen: 48.570 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU038728.D
Acq: 09 Jun 2020 16:54

Tgt Ion: 97 Resp: 344475
Ion Ratio Lower Upper
97 100
99 64.4 51.6 77.4
61 44.3 35.2 52.8





#31

Carbon tetrachloride

Concen: 49.680 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038728.D

Acq: 09 Jun 2020 16:54

Instrument :

MSVOA_U

ClientSampleId :

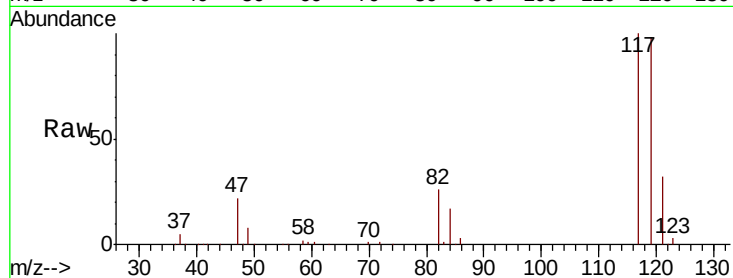
VSTD05046

Tot Ion:117 Resp: 291685

Ion Ratio Lower Upper

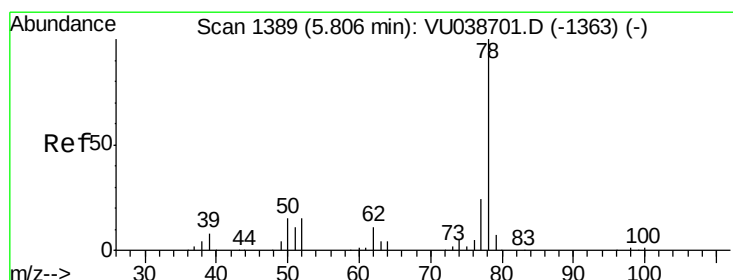
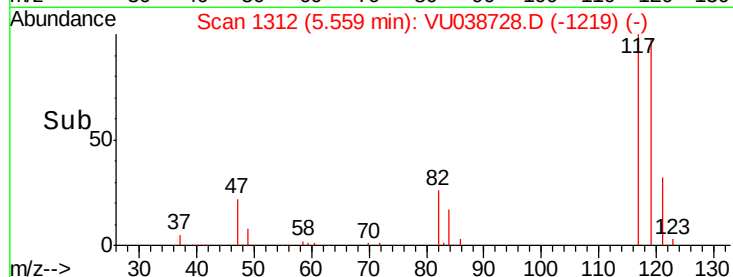
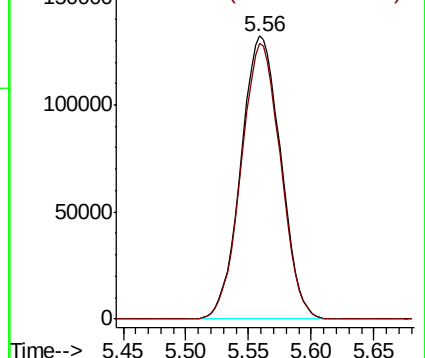
117 100

119 96.4 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.200 ug/L

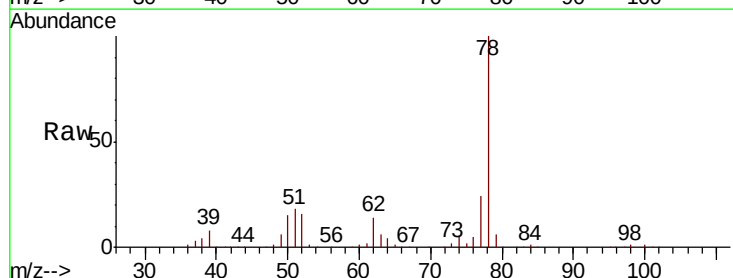
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

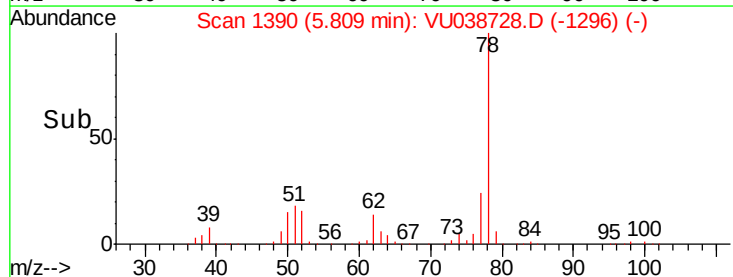
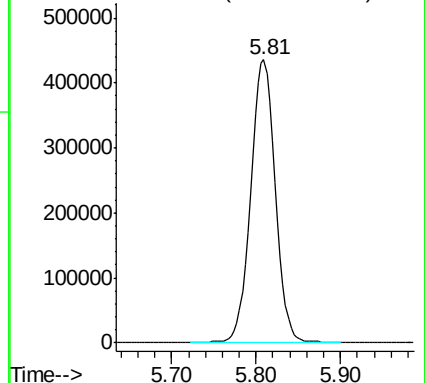
Lab File: VU038728.D

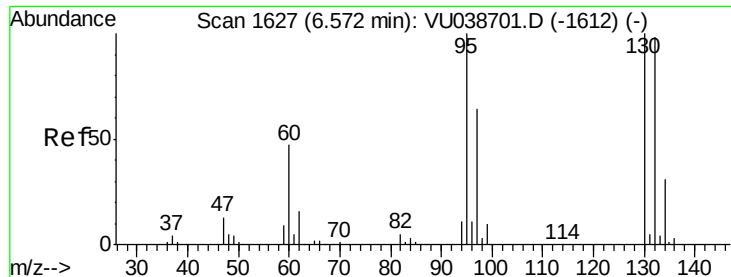
Acq: 09 Jun 2020 16:54

Tgt Ion: 78 Resp: 881874



Abundance Ion 78.00 (77.70 to 78.70): VU0

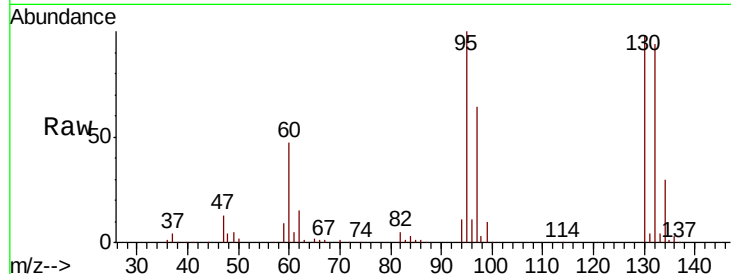




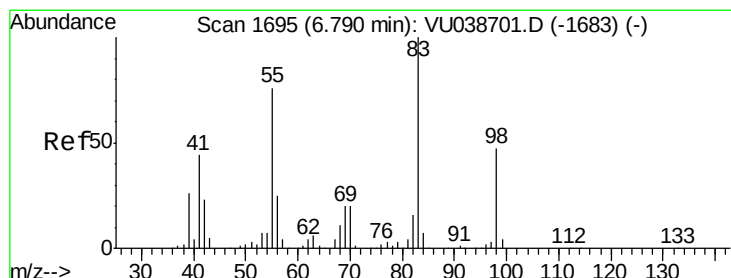
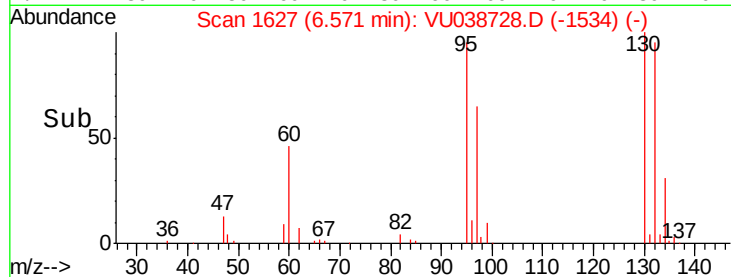
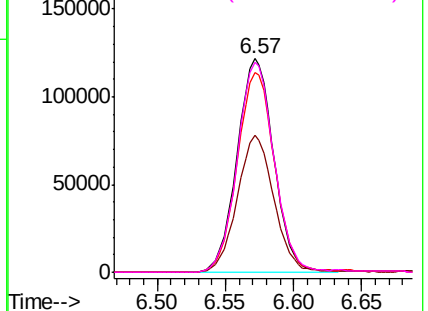
#34
 Trichloroethene
 Concen: 49.831 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038728.D
 Acq: 09 Jun 2020 16:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Tot Ion:	95	Resp:	227167
Ion	Ratio	Lower	Upper
95	100		
97	63.9	44.4	82.4
132	93.7	64.9	120.5
130	98.3	68.6	127.4

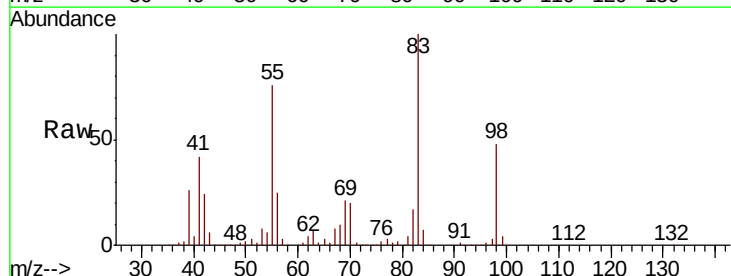


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

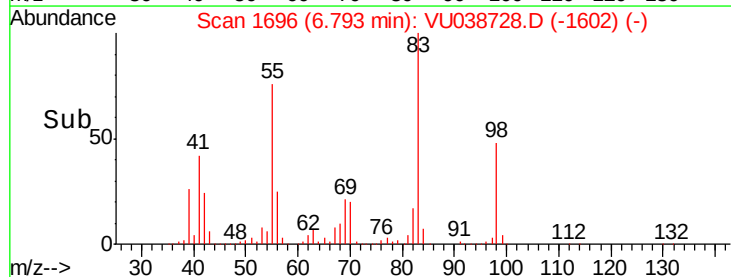
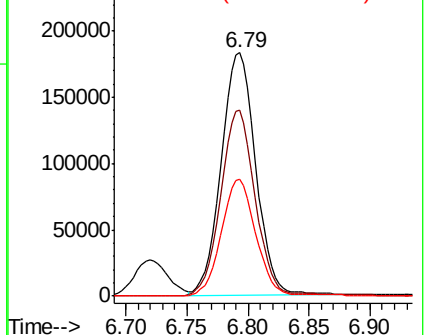


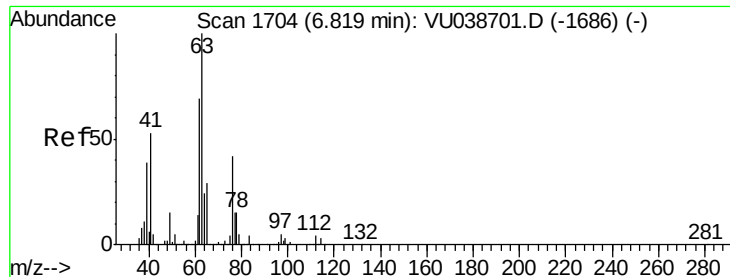
#35
 Methylcyclohexane
 Concen: 52.660 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU038728.D
 Acq: 09 Jun 2020 16:54

Tgt Ion:	83	Resp:	362047
Ion	Ratio	Lower	Upper
83	100		
55	76.3	63.2	94.8
98	47.5	38.4	57.6



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

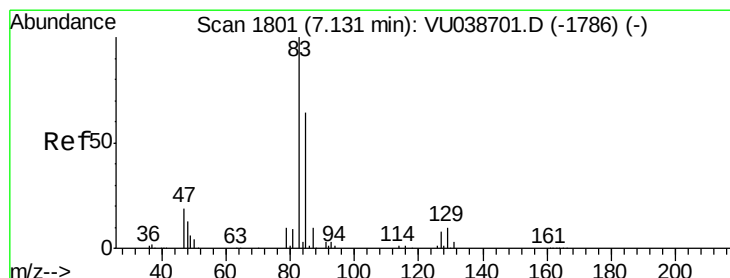
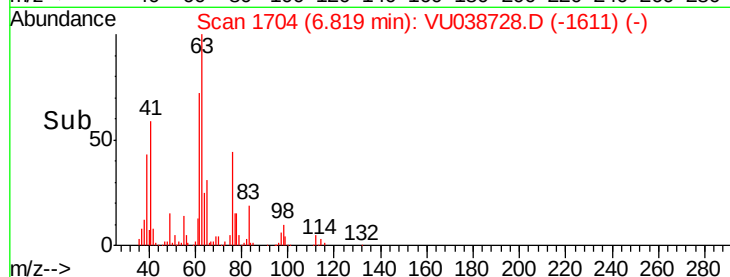
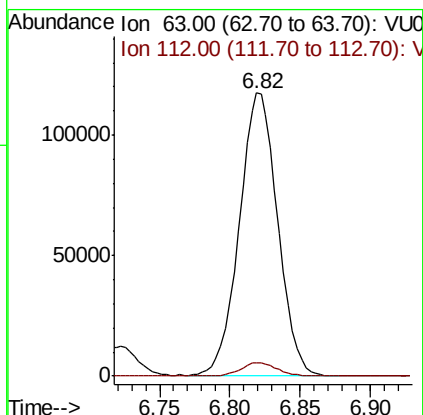
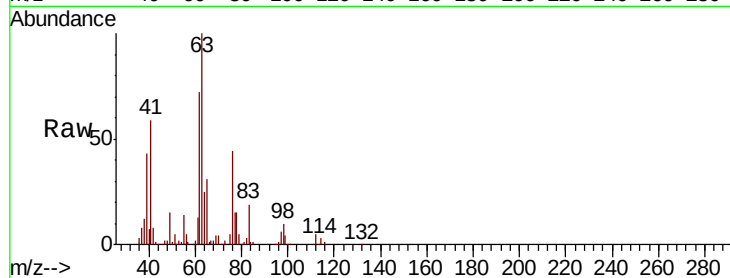




#37
 1,2-Dichloropropane
 Concen: 47.701 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VU038728.D
 Acq: 09 Jun 2020 16:54

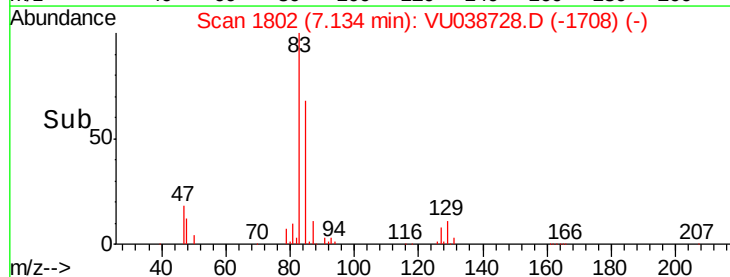
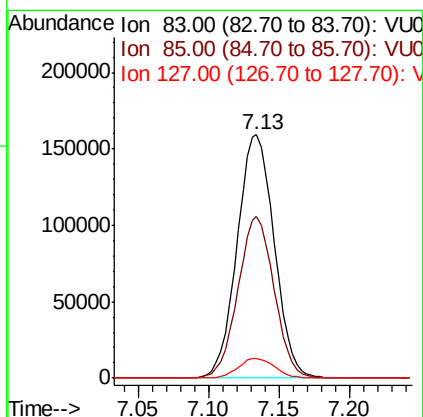
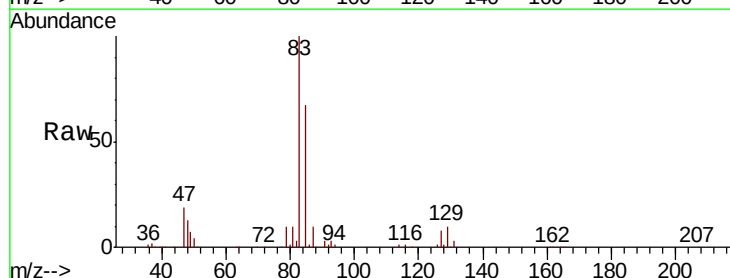
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

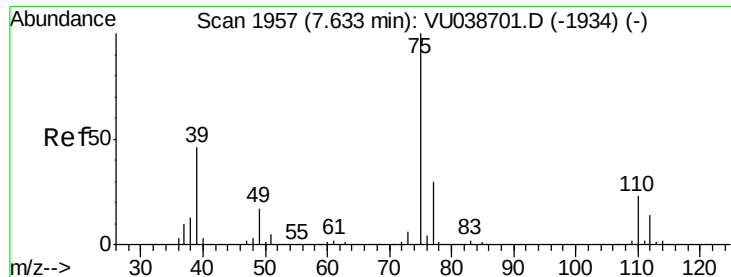
Tot Ion: 63 Resp: 222806
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.4 5.2



#38
 Bromodichloromethane
 Concen: 49.068 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU038728.D
 Acq: 09 Jun 2020 16:54

Tgt Ion: 83 Resp: 293812
 Ion Ratio Lower Upper
 83 100
 85 66.7 45.1 83.9
 127 8.1 7.0 10.4



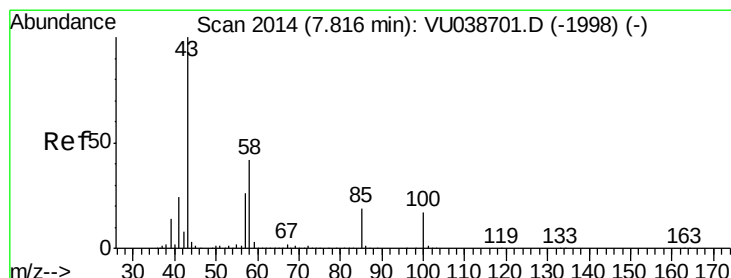
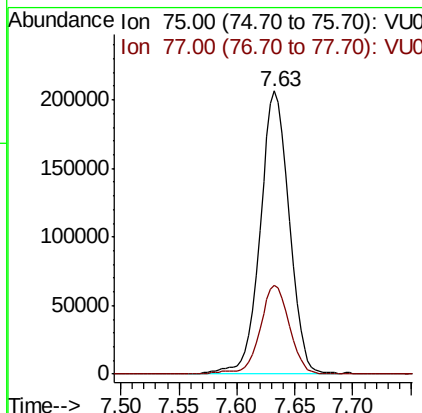
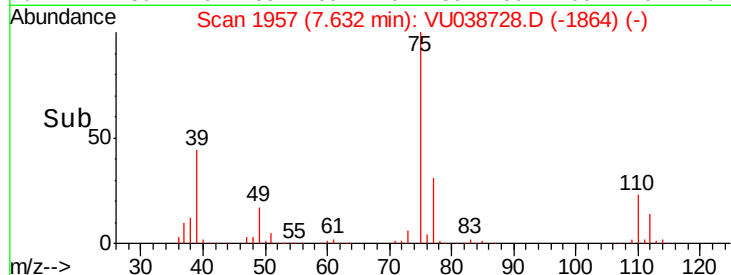
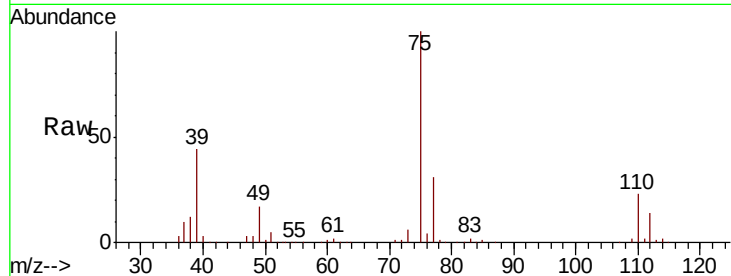


#39

cis-1,3-Dichloropropene
 Concen: 50.040 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU038728.D
 Acq: 09 Jun 2020 16:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

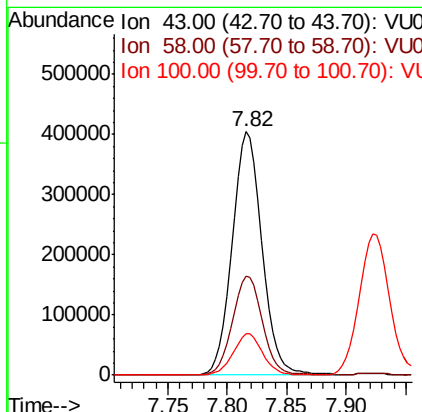
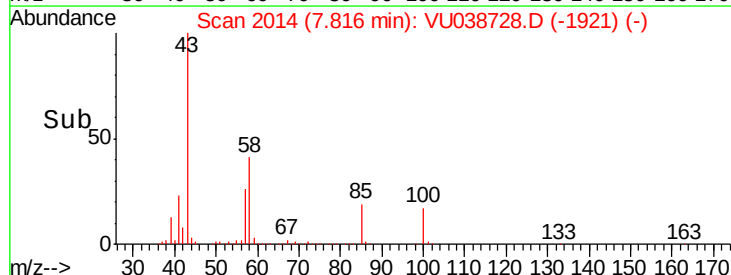
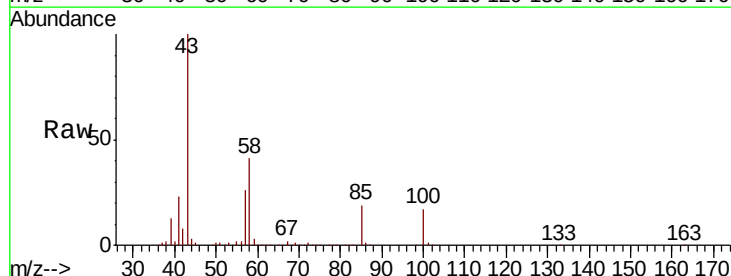
Tot Ion: 75 Resp: 360460
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.2 41.2

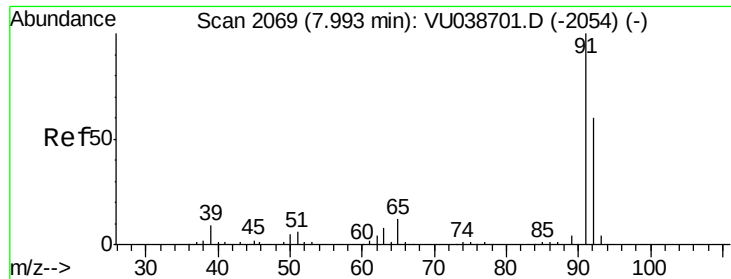


#40

4-Methyl-2-pentanone
 Concen: 96.303 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. -0.00 min
 Lab File: VU038728.D
 Acq: 09 Jun 2020 16:54

Tgt Ion: 43 Resp: 703219
 Ion Ratio Lower Upper
 43 100
 58 41.1 33.0 49.4
 100 16.9 13.4 20.0





#42

Toluene

Concen: 50.587 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038728.D

Acq: 09 Jun 2020 16:54

Instrument :

MSVOA_U

ClientSampleId :

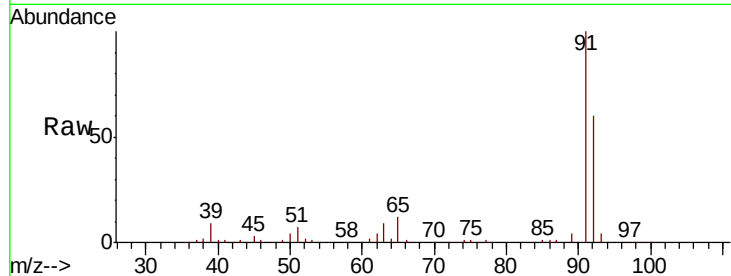
VSTD05046

Tot Ion: 91 Resp: 948090

Ion Ratio Lower Upper

91 100

92 60.4 42.2 78.4



Abundance Ion 91.00 (90.70 to 91.70): VU038701.D (-2054) (-)

Ion 92.00 (91.70 to 92.70): VU038701.D (-2054) (-)

7.99

600000

500000

400000

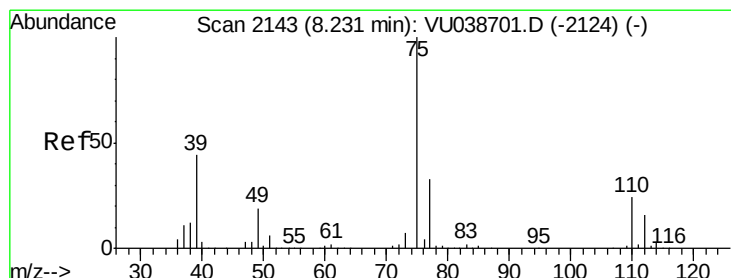
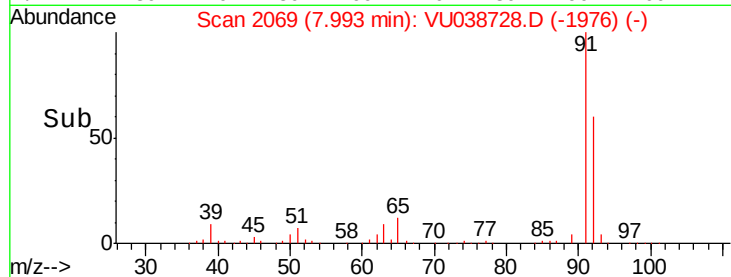
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.941 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038728.D

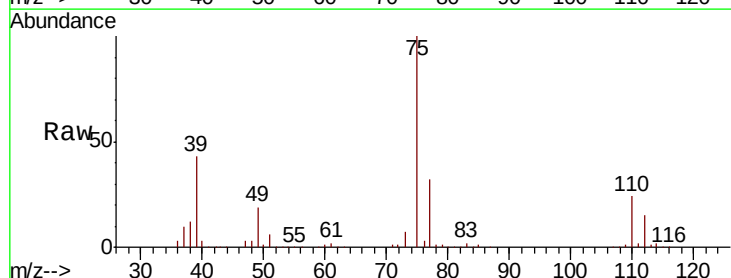
Acq: 09 Jun 2020 16:54

Tgt Ion: 75 Resp: 344587

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VU038701.D (-2124) (-)

Ion 77.00 (76.70 to 77.70): VU038701.D (-2124) (-)

8.23

250000

200000

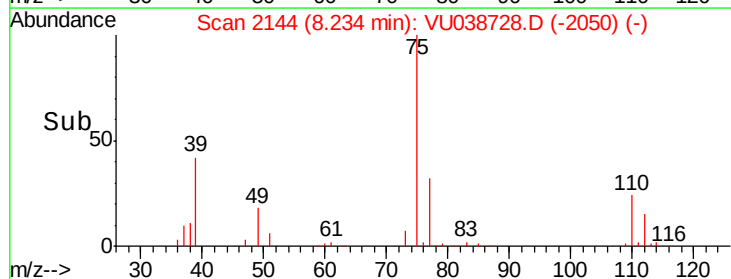
150000

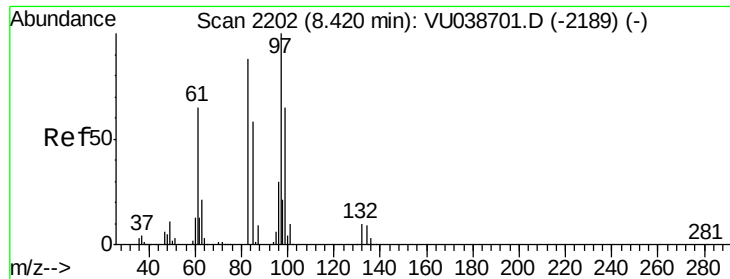
100000

50000

0

Time-->

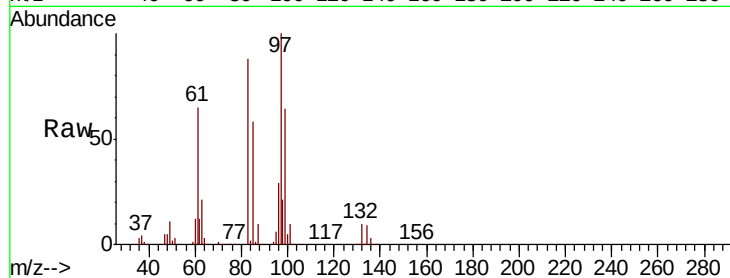




#45
 1,1,2-Trichloroethane
 Concen: 47.878 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU038728.D
 Acq: 09 Jun 2020 16:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Tot Ion:	97	Resp:	215243
Ion	Ratio	Lower	Upper
97	100		
99	63.8	43.6	81.0
83	88.0	60.0	111.4
85	57.6	38.4	71.2



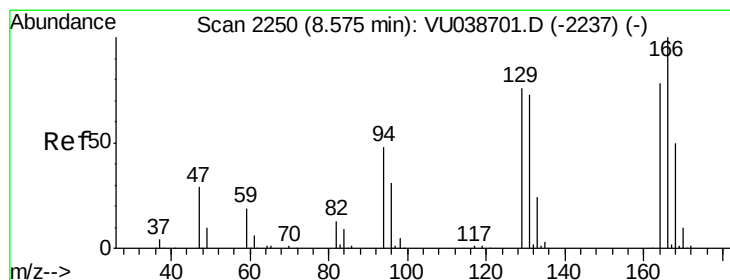
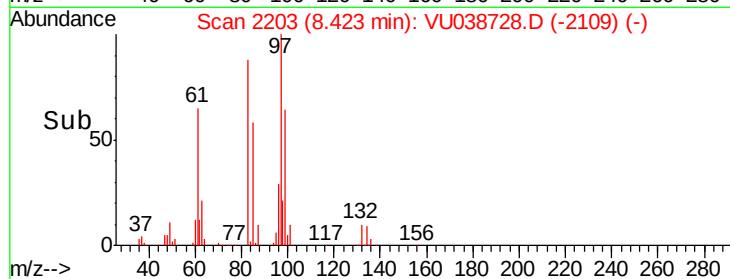
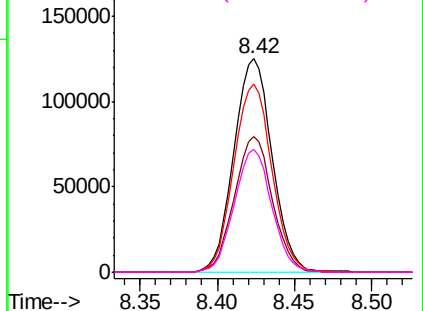
Abundance

Ion 97.00 (96.70 to 97.70): VU038728.D (-2109) (-)

Ion 99.00 (98.70 to 99.70): VU038728.D (-2109) (-)

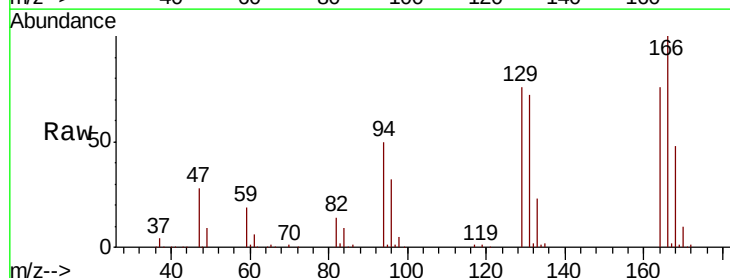
Ion 83.00 (82.70 to 83.70): VU038728.D (-2109) (-)

Ion 85.00 (84.70 to 85.70): VU038728.D (-2109) (-)



#46
 Tetrachloroethene
 Concen: 50.768 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU038728.D
 Acq: 09 Jun 2020 16:54

Tgt Ion:	164	Resp:	166969
Ion	Ratio	Lower	Upper
164	100		
129	99.6	67.2	124.8
131	95.0	65.5	121.6
166	131.4	90.4	168.0



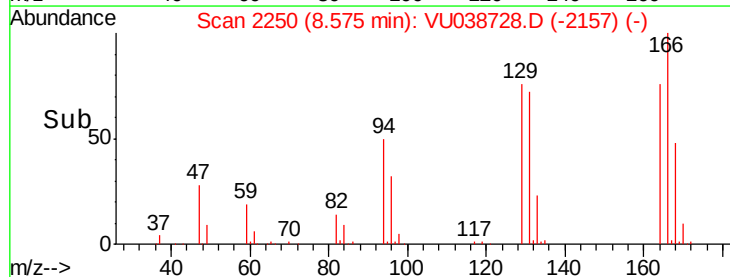
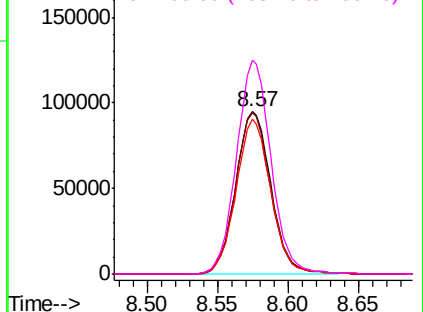
Abundance

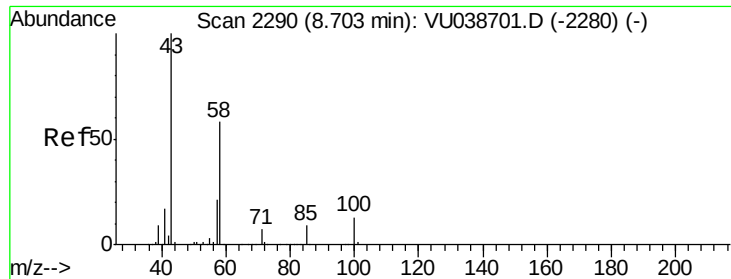
Ion 164.00 (163.70 to 164.70): VU038728.D (-2157) (-)

Ion 129.00 (128.70 to 129.70): VU038728.D (-2157) (-)

Ion 131.00 (130.70 to 131.70): VU038728.D (-2157) (-)

Ion 166.00 (165.70 to 166.70): VU038728.D (-2157) (-)

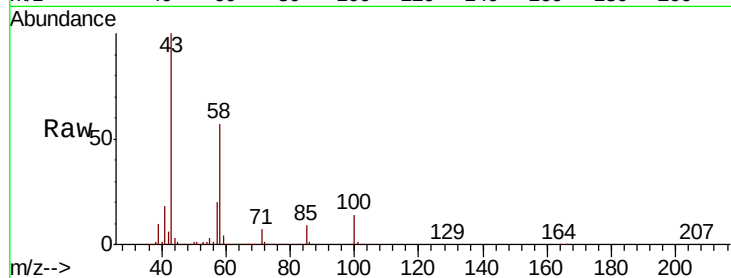




#48
2-Hexanone
Concen: 95.892 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU038728.D
Acq: 09 Jun 2020 16:54

Instrument :
MSVOA_U
ClientSampled :
VSTD05046

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.7	46.2	69.4
57	20.7	16.6	24.8
100	13.4	10.6	16.0

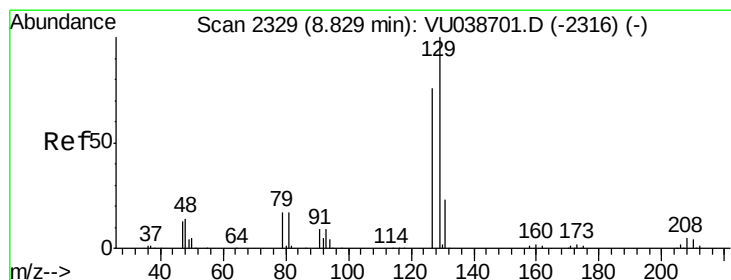
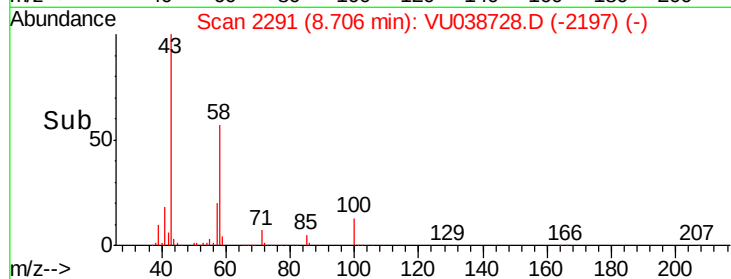
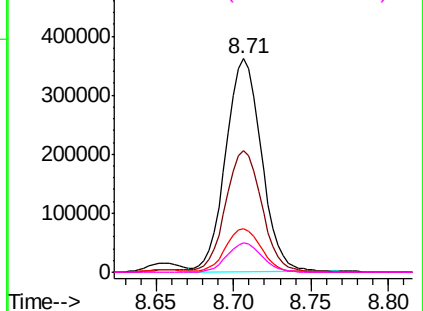


Abundance Ion 43.00 (42.70 to 43.70): VU038701.D (-2280) (-)

Ion 58.00 (57.70 to 58.70): VU038701.D (-2280) (-)

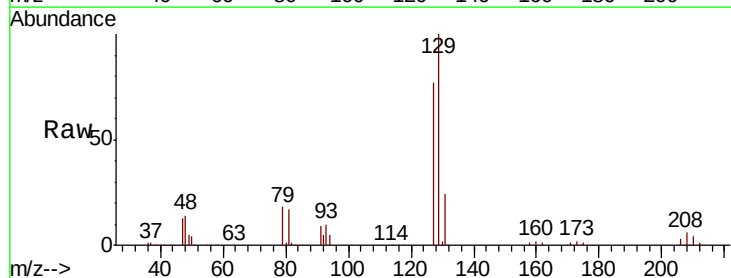
Ion 57.00 (56.70 to 57.70): VU038701.D (-2280) (-)

Ion 100.00 (99.70 to 100.70): VU038701.D (-2280) (-)



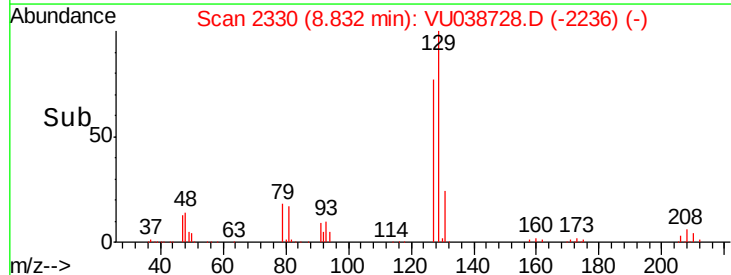
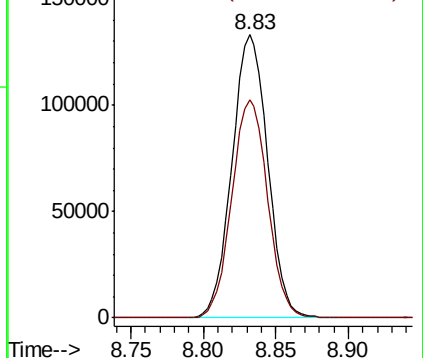
#49
Dibromochloromethane
Concen: 49.247 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038728.D
Acq: 09 Jun 2020 16:54

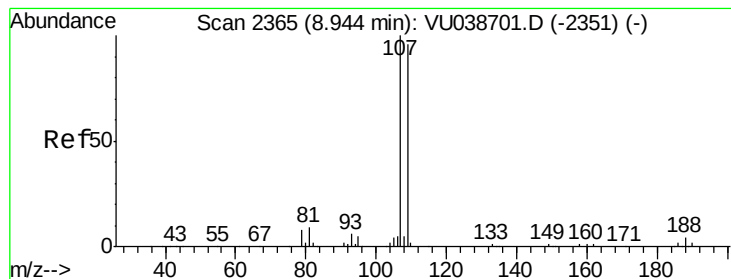
Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	55.8	103.6



Abundance Ion 129.00 (128.70 to 129.70): VU038701.D (-2316) (-)

Ion 127.00 (126.70 to 127.70): VU038701.D (-2316) (-)





#50

1,2-Dibromoethane

Concen: 48.677 ug/L

RT: 8.94 min Scan# 2365

Delta R.T. -0.00 min

Lab File: VU038728.D

Acq: 09 Jun 2020 16:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

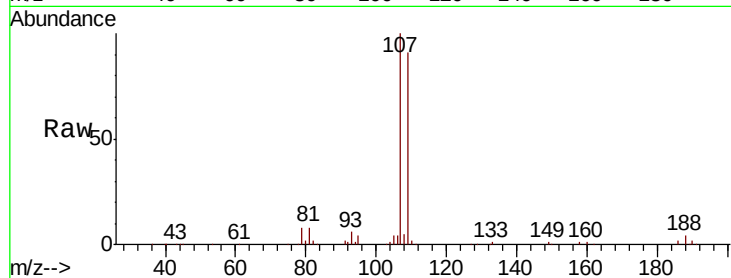
Tot Ion:107 Resp: 235215

Ion Ratio Lower Upper

107 100

109 91.1 65.9 122.5

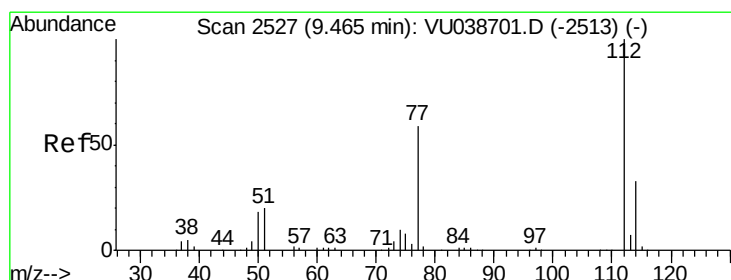
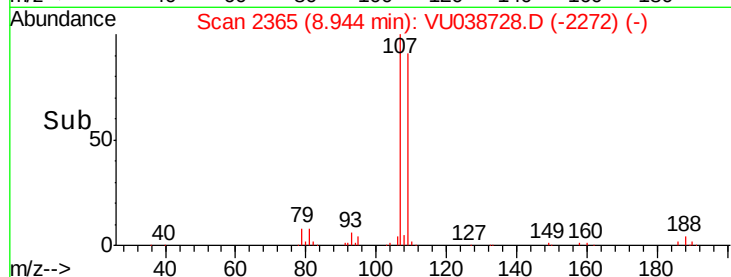
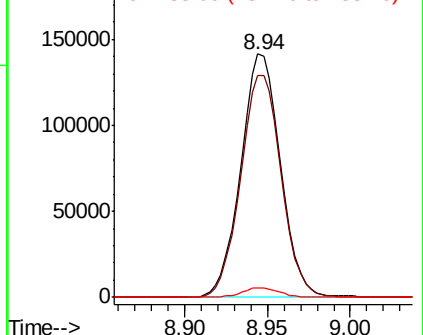
188 4.0 2.9 4.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 49.406 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. 0.00 min

Lab File: VU038728.D

Acq: 09 Jun 2020 16:54

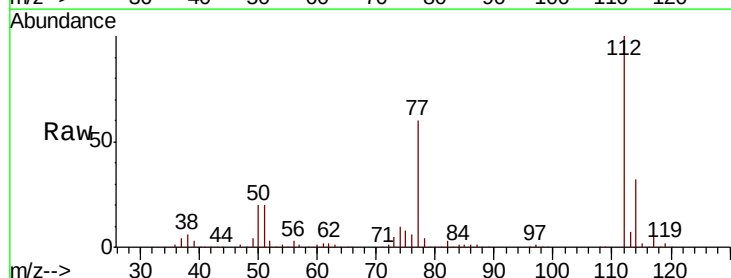
Tgt Ion:112 Resp: 594867

Ion Ratio Lower Upper

112 100

114 32.2 22.2 41.2

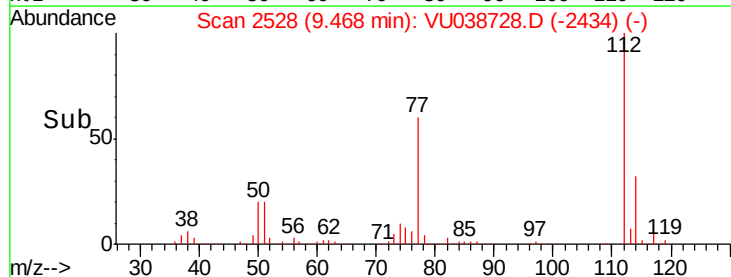
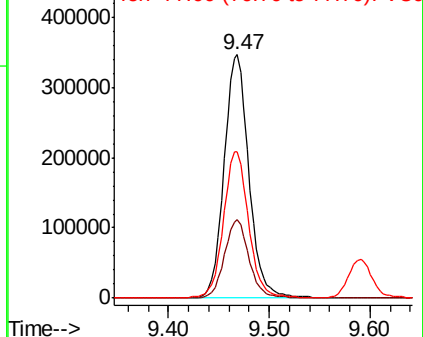
77 60.1 47.9 71.9

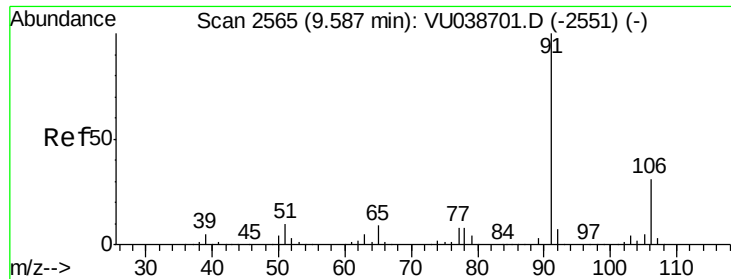


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 51.117 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU038728.D

Acq: 09 Jun 2020 16:54

Instrument :

MSVOA_U

ClientSampleId :

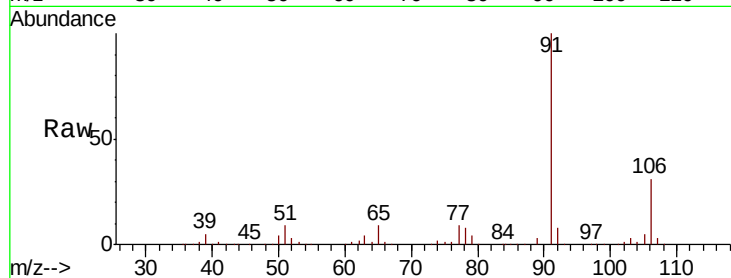
VSTD05046

Tot Ion: 91 Resp: 1057311

Ion Ratio Lower Upper

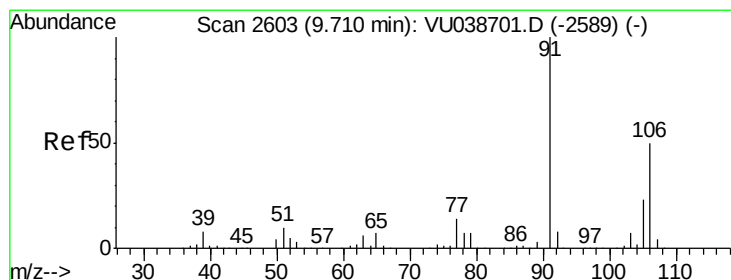
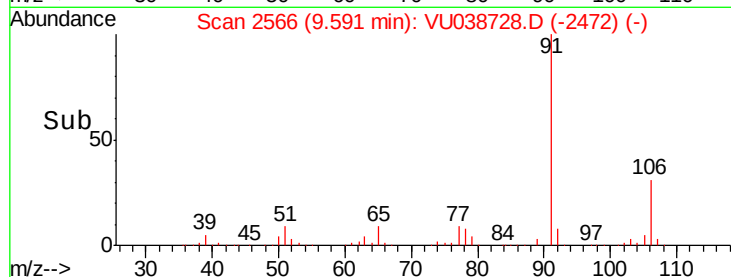
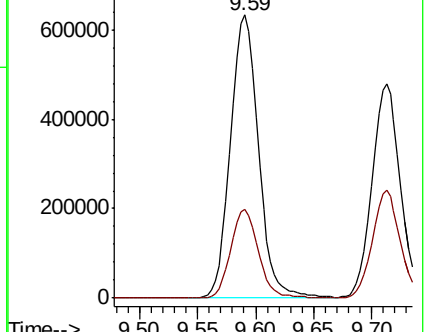
91 100

106 31.3 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VU038701.D (-2551) (-)

Ion 106.00 (105.70 to 106.70): VU038728.D (-2472) (-)



#53

m,p-Xylene

Concen: 51.411 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU038728.D

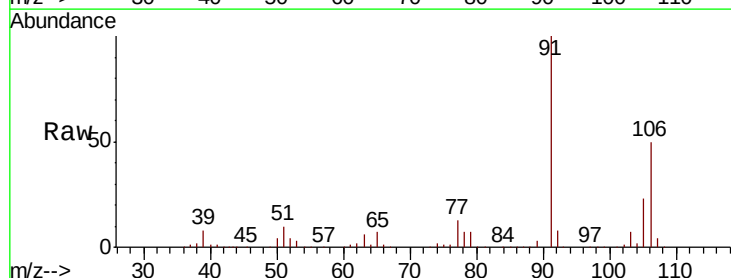
Acq: 09 Jun 2020 16:54

Tgt Ion: 106 Resp: 408203

Ion Ratio Lower Upper

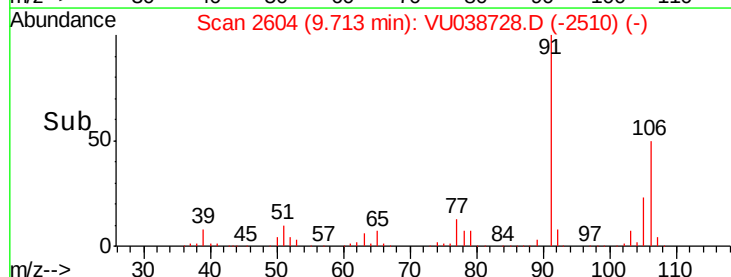
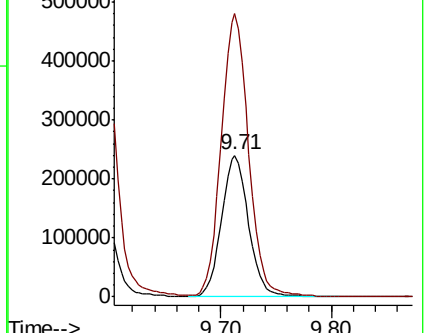
106 100

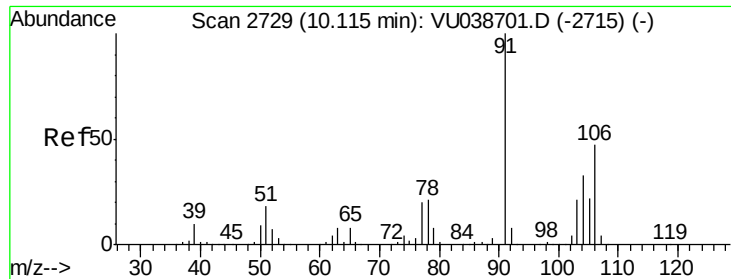
91 199.9 140.1 260.3



Abundance Ion 106.00 (105.70 to 106.70): VU038728.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VU038701.D (-2589) (-)

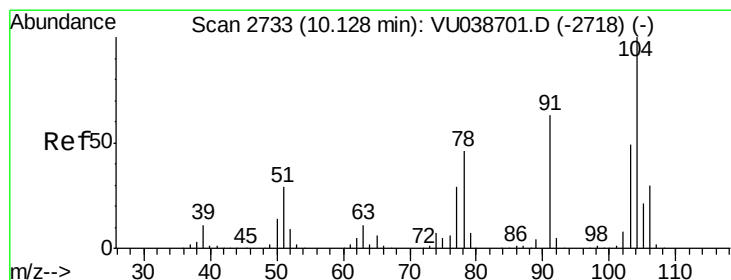
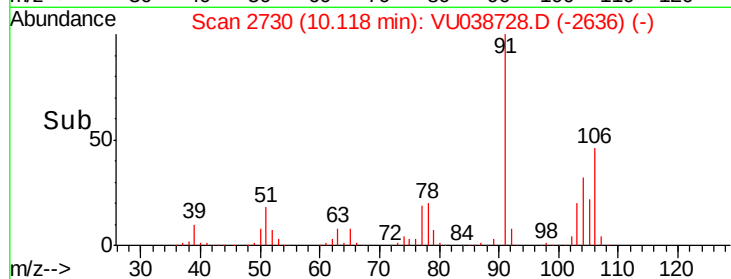
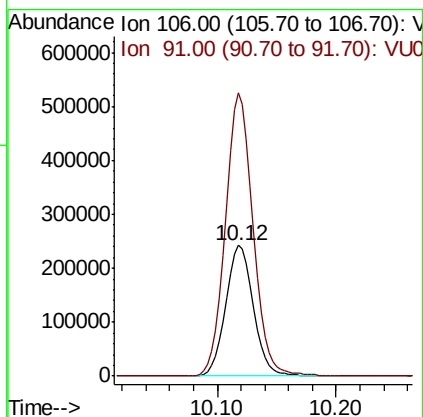
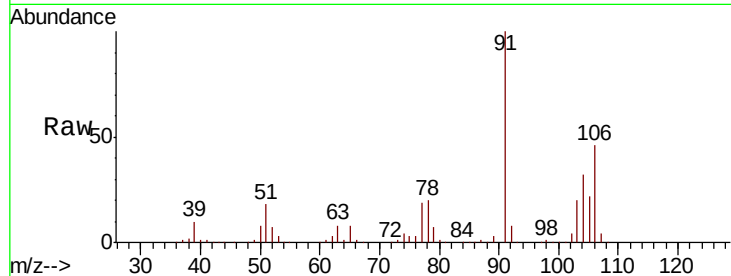




#54
o-xylene
Concen: 50.627 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU038728.D
Acq: 09 Jun 2020 16:54

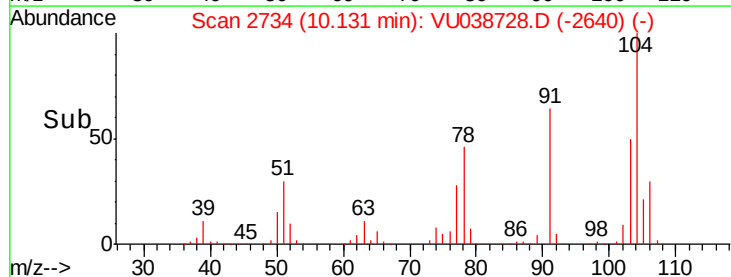
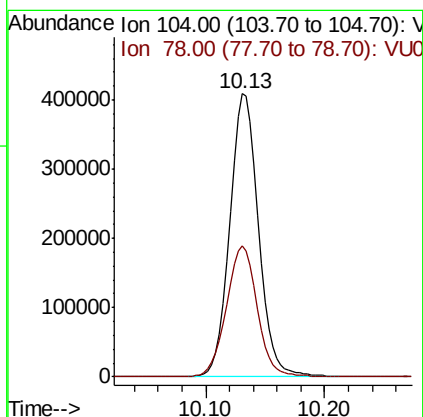
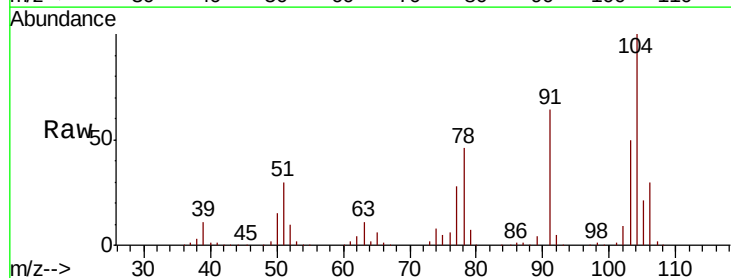
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

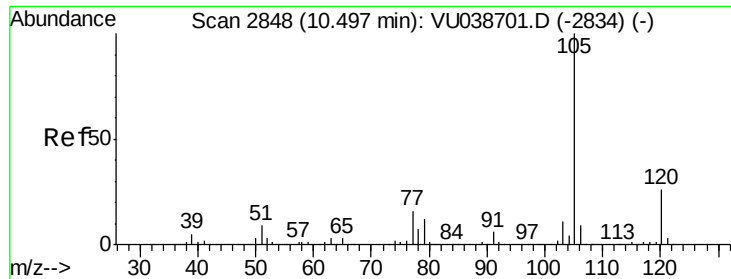
Tot Ion:106 Resp: 390232
Ion Ratio Lower Upper
106 100
91 216.9 151.2 280.8



#55
Styrene
Concen: 51.159 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU038728.D
Acq: 09 Jun 2020 16:54

Tgt Ion:104 Resp: 683607
Ion Ratio Lower Upper
104 100
78 46.1 31.6 58.6





#56

Isopropylbenzene

Concen: 51.406 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038728.D

Acq: 09 Jun 2020 16:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

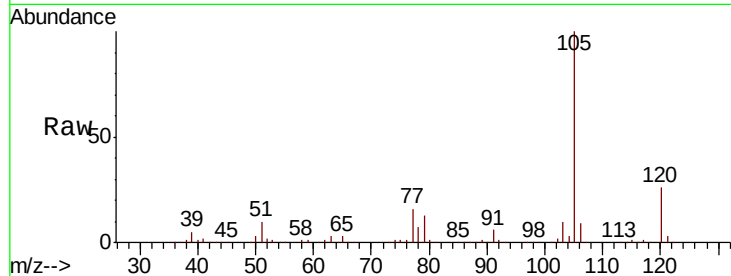
Tot Ion:105 Resp: 1034154

Ion Ratio Lower Upper

105 100

120 26.0 20.9 31.3

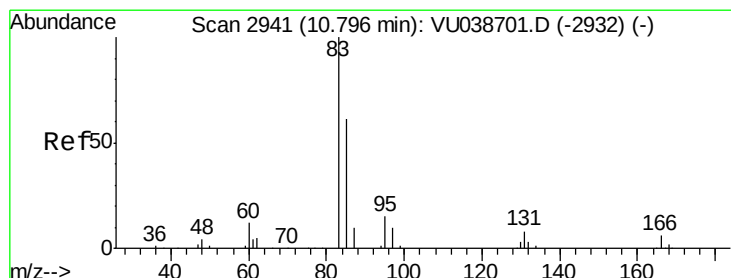
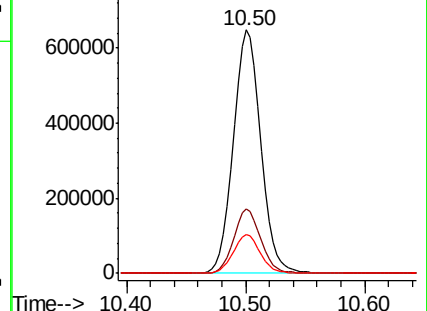
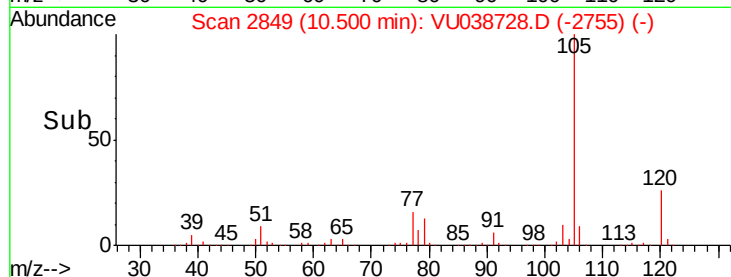
77 15.7 12.6 19.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 46.654 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038728.D

Acq: 09 Jun 2020 16:54

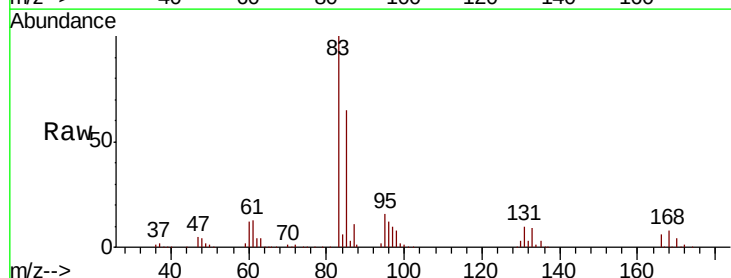
Tgt Ion: 83 Resp: 356956

Ion Ratio Lower Upper

83 100

85 65.1 45.3 84.1

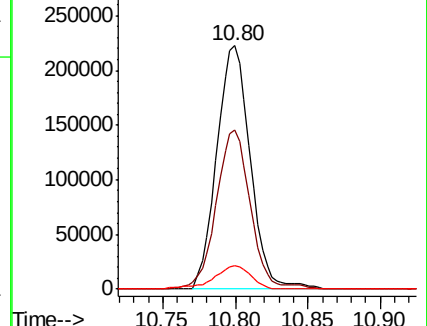
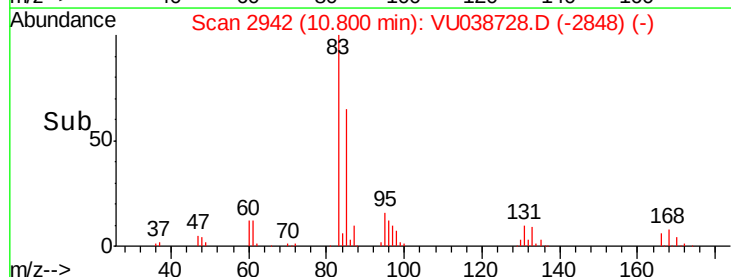
131 9.6 7.2 10.8

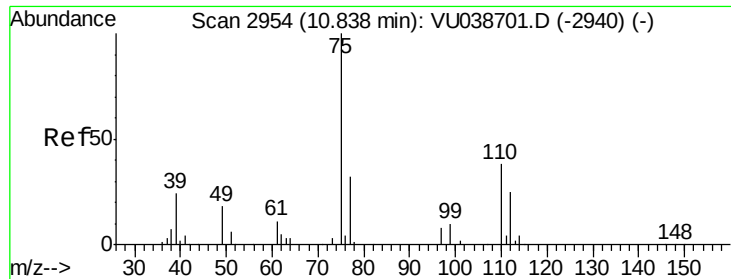


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

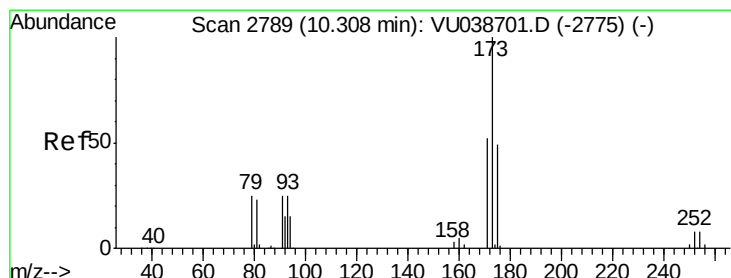
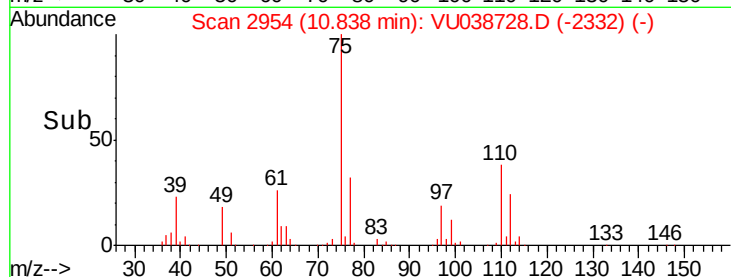
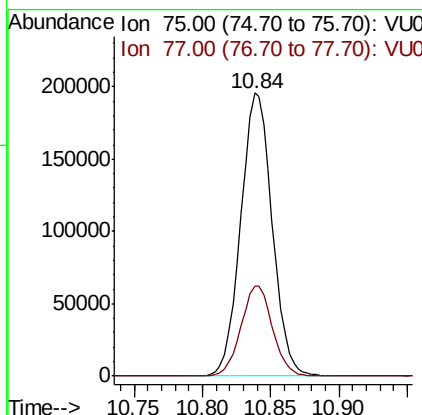
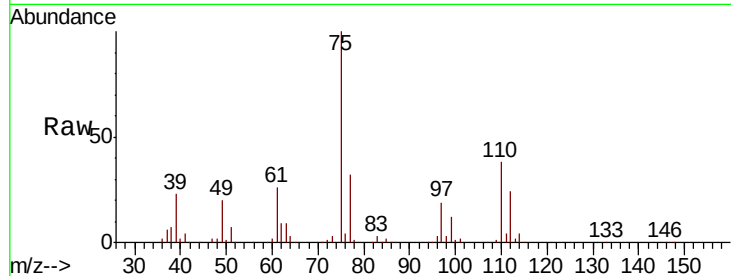




#59
 1,2,3-Trichloropropane
 Concen: 47.775 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU038728.D
 Acq: 09 Jun 2020 16:54

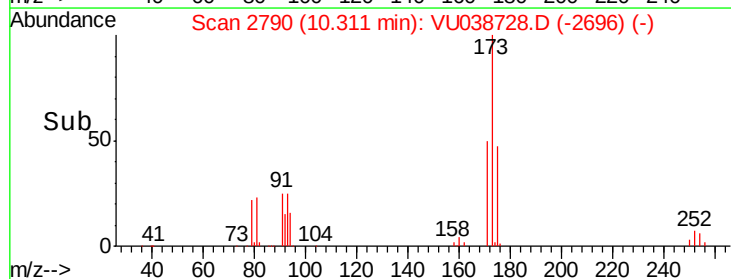
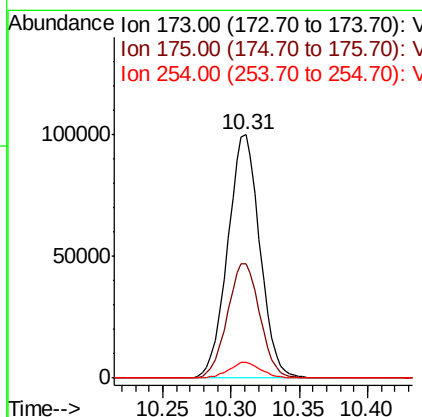
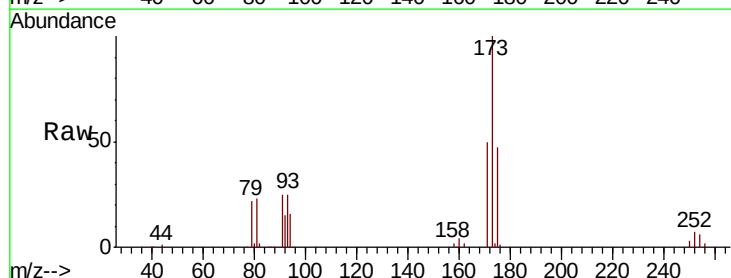
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

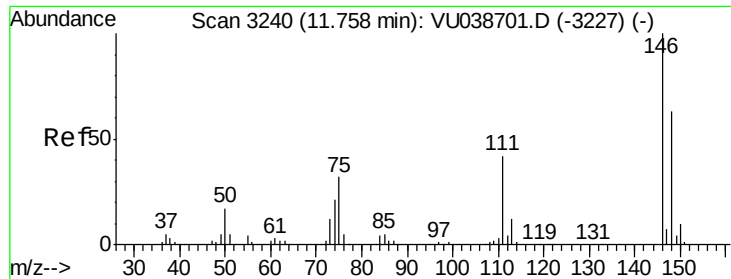
Tot Ion: 75 Resp: 312891
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.3 37.9



#61
 Bromoform
 Concen: 49.012 ug/L
 RT: 10.31 min Scan# 2790
 Delta R.T. 0.00 min
 Lab File: VU038728.D
 Acq: 09 Jun 2020 16:54

Tgt Ion: 173 Resp: 163442
 Ion Ratio Lower Upper
 173 100
 175 47.6 39.0 58.4
 254 6.4 5.8 8.8





#62

1,3-Dichlorobenzene

Concen: 50.145 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU038728.D

Acq: 09 Jun 2020 16:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

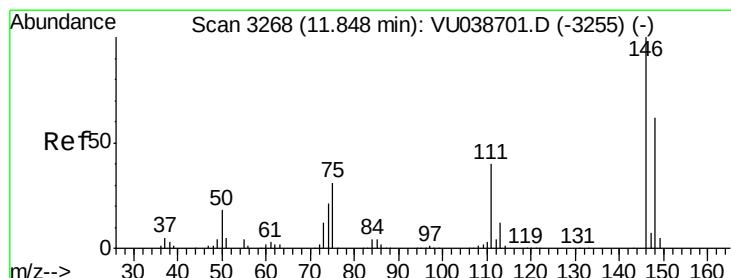
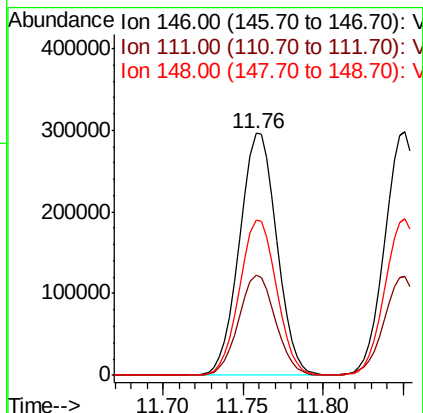
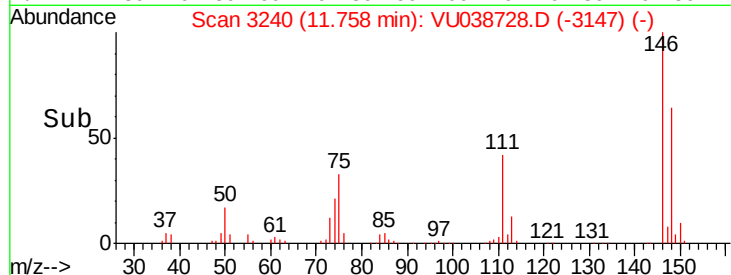
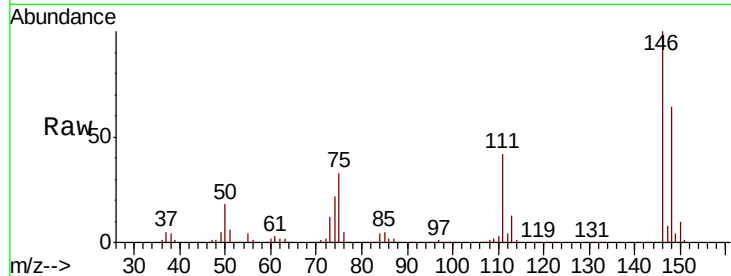
Tot Ion:146 Resp: 470555

Ion Ratio Lower Upper

146 100

111 41.5 29.2 54.2

148 64.4 45.2 84.0



#63

1,4-Dichlorobenzene

Concen: 49.811 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU038728.D

Acq: 09 Jun 2020 16:54

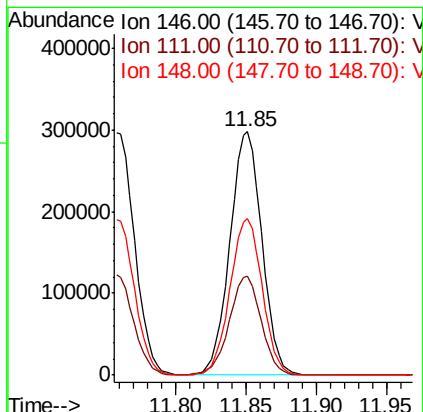
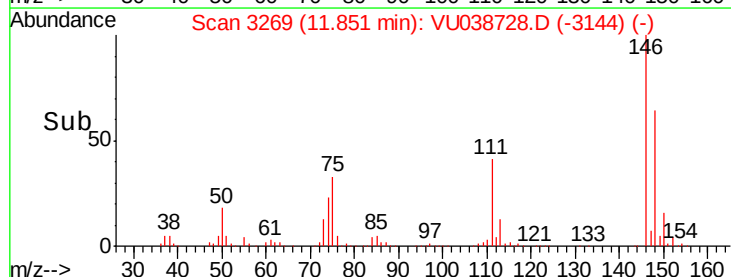
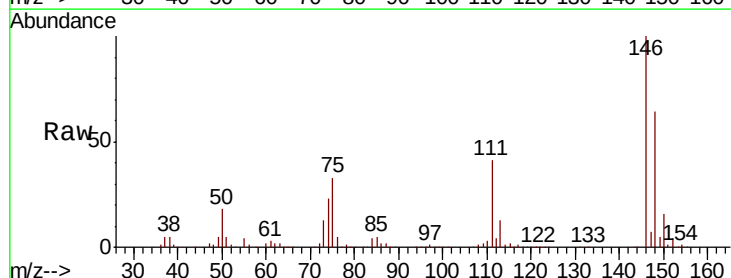
Tgt Ion:146 Resp: 473312

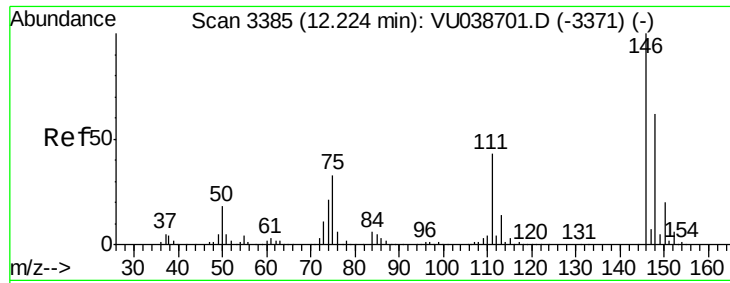
Ion Ratio Lower Upper

146 100

111 40.6 27.6 51.4

148 64.4 44.3 82.3





#65

1,2-Dichlorobenzene

Concen: 49.756 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038728.D

Acq: 09 Jun 2020 16:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

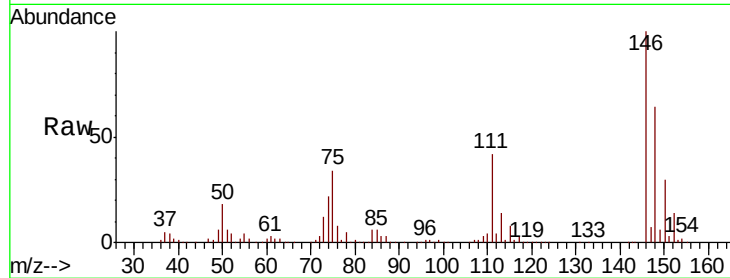
Tot Ion:146 Resp: 464701

Ion Ratio Lower Upper

146 100

111 42.4 34.8 52.2

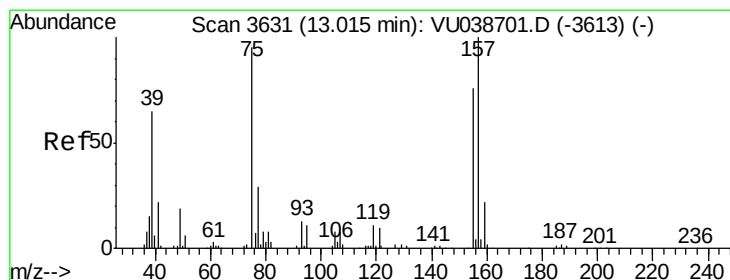
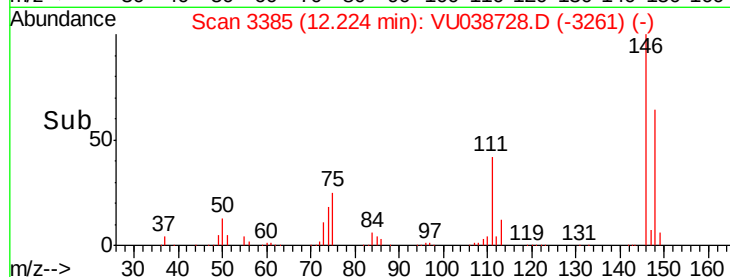
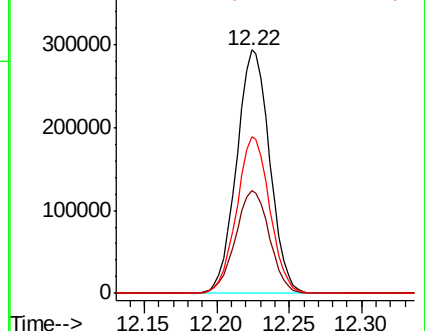
148 64.2 50.8 76.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 48.076 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU038728.D

Acq: 09 Jun 2020 16:54

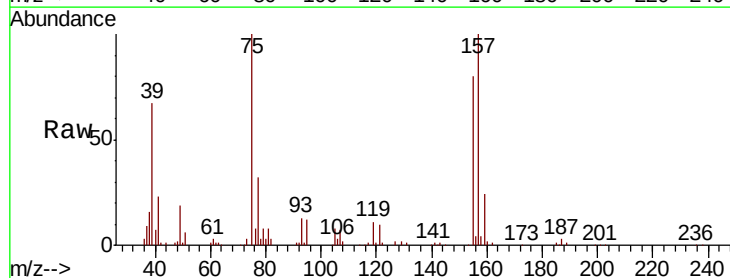
Tgt Ion: 75 Resp: 93050

Ion Ratio Lower Upper

75 100

155 80.3 63.8 95.6

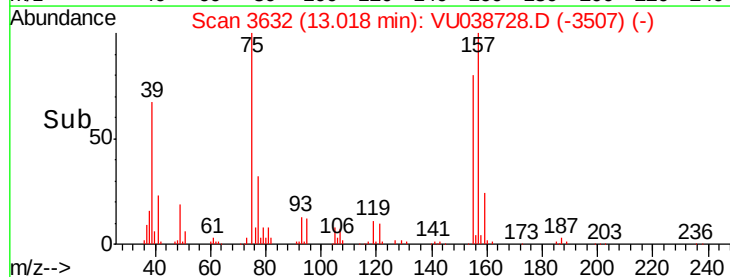
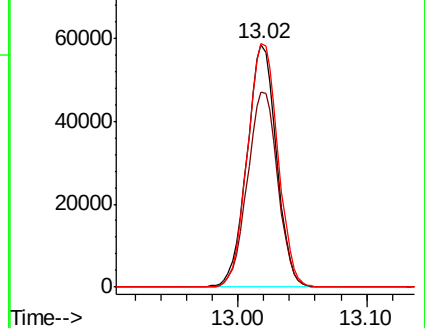
157 100.3 80.2 120.2

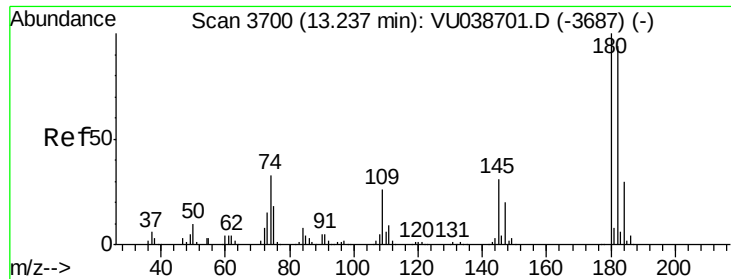


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

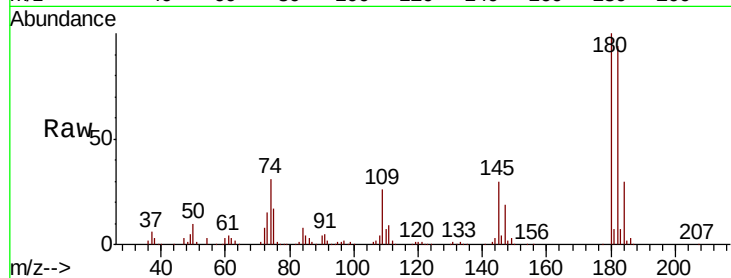




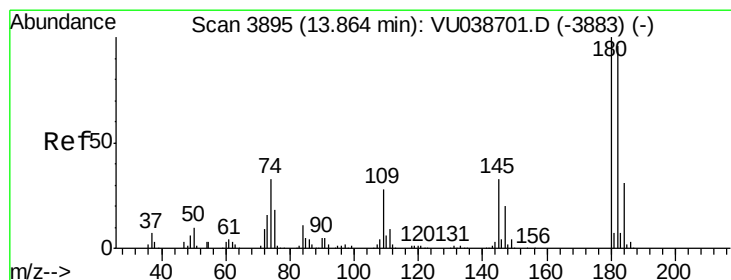
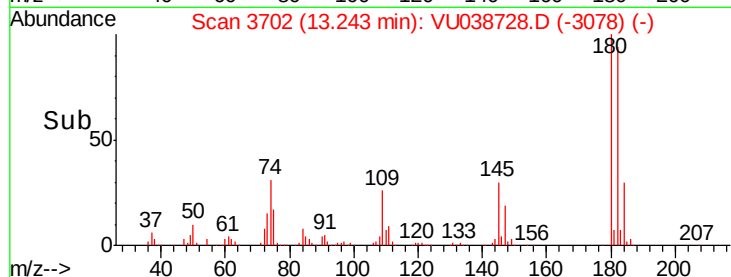
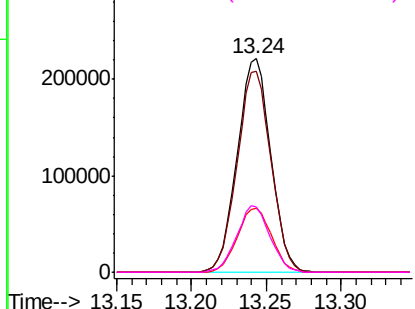
#67
 1,3,5-Trichlorobenzene
 Concen: 51.258 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.01 min
 Lab File: VU038728.D
 Acq: 09 Jun 2020 16:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Tot Ion:180 Resp: 345529
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.6 114.8
 184 30.5 24.7 37.1
 145 30.7 24.7 37.1

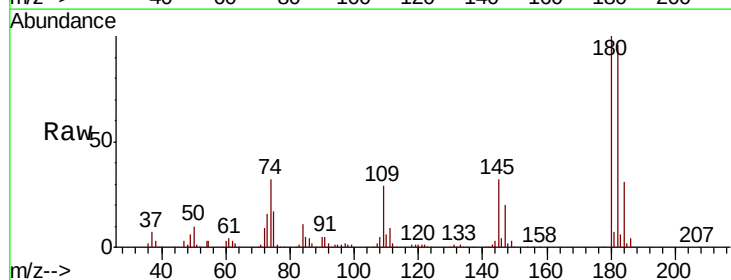


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

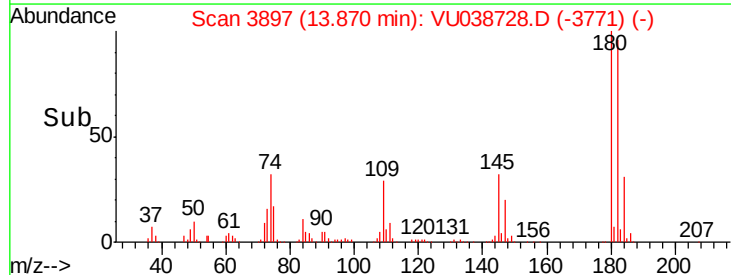
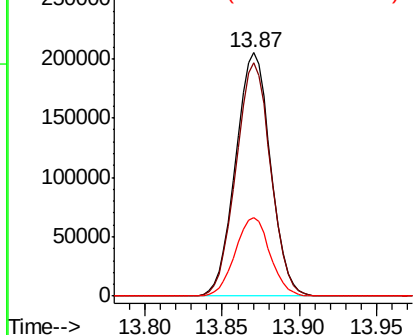


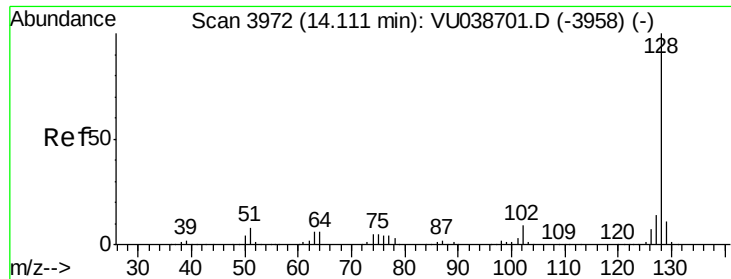
#68
 1,2,4-trichlorobenzene
 Concen: 50.550 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.01 min
 Lab File: VU038728.D
 Acq: 09 Jun 2020 16:54

Tgt Ion:180 Resp: 321241
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.8 115.2
 145 32.1 25.4 38.2



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: 52.668 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. 0.01 min

Lab File: VU038728.D

Acq: 09 Jun 2020 16:54

Instrument :

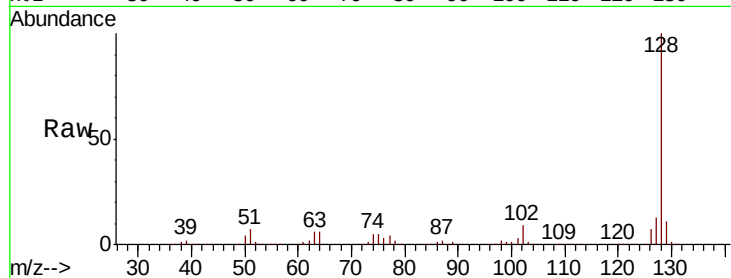
MSVOA_U

ClientSampleId :

VSTD05046

Tot Ion:128 Resp: 1183240

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	10.7	8.6	12.8

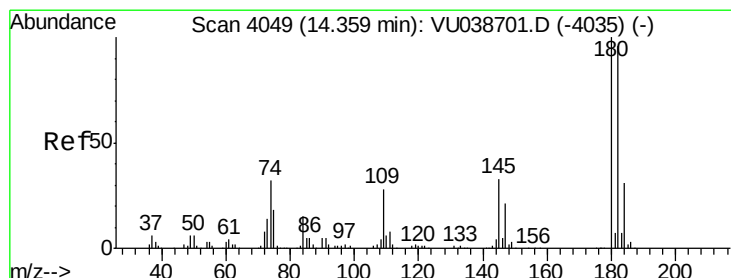
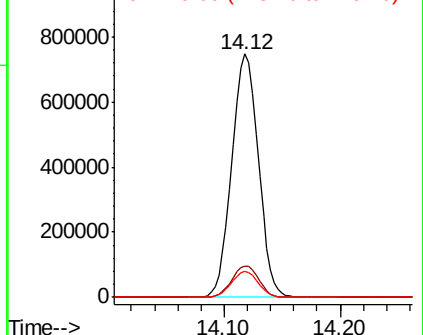
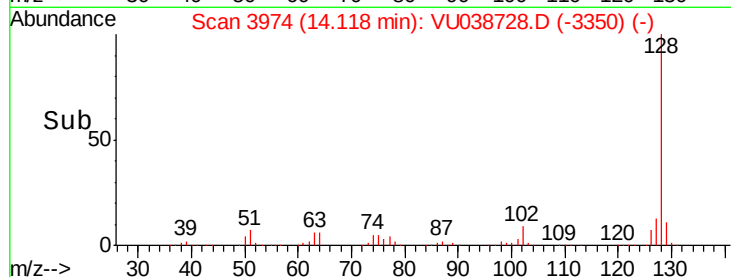


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 51.583 ug/L

RT: 14.37 min Scan# 4051

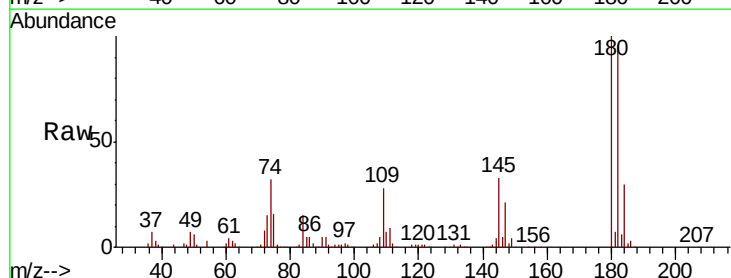
Delta R.T. 0.01 min

Lab File: VU038728.D

Acq: 09 Jun 2020 16:54

Tgt Ion:180 Resp: 328878

Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.9	113.9
145	33.3	26.4	39.6



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

