

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
 Data File : VU038609.D
 Acq On : 06 Jun 2020 11:21
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Quant Time: Jun 07 03:59:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sun Jun 07 02:13:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	338051	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	329503	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	174940	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	92956	4.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.00%
7) Chloroethane-d5	1.93	69	79006	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	2.59	63	203410	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.40%
20) 2-Butanone-d5	4.68	46	340915	51.29	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.58%
24) Chloroform-d	5.10	84	201685	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.74	65	111059	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.76	84	390937	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.72	67	119552	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	7.92	98	347964	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
43) trans-1,3-Dichloropropene-	8.20	79	50763	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
46) 2-Hexanone-d5	8.66	63	292019	54.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.72%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	106649	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	138285	4.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	133643	5.016	ug/L 99
3) Chloromethane	1.53	50	115078	4.703	ug/L 99
5) Vinyl chloride	1.62	62	128056	4.885	ug/L 99
6) Bromomethane	1.88	94	72361	5.685	ug/L 100
8) Chloroethane	1.95	64	77155	4.912	ug/L 98
9) Trichlorofluoromethane	2.16	101	189436	5.447	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	119373	5.828	ug/L 98
12) 1,1-Dichloroethene	2.61	96	107755	5.176	ug/L 89
13) Acetone	2.68	43	251503	57.821	ug/L 100
14) Carbon disulfide	2.82	76	305134	4.319	ug/L 100
15) Methyl Acetate	2.99	43	60741	5.700	ug/L 99
16) Methylene chloride	3.08	84	122301	5.191	ug/L 98
17) Methyl tert-butyl Ether	3.40	73	310232	5.683	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	114475	5.102	ug/L 97
19) 1,1-Dichloroethane	3.91	63	220636	5.495	ug/L 98
21) 2-Butanone	4.76	43	415024	56.728	ug/L 94
22) cis-1,2-Dichloroethene	4.71	96	129565	5.363	ug/L 97

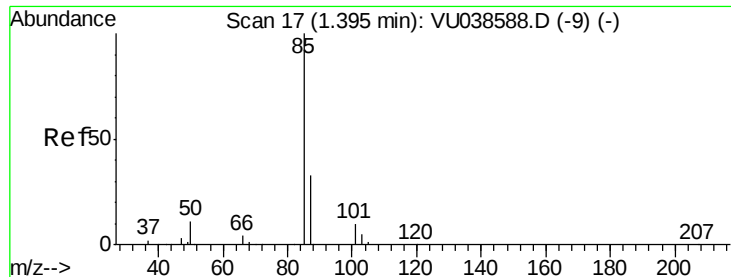
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
 Data File : VU038609.D
 Acq On : 06 Jun 2020 11:21
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Quant Time: Jun 07 03:59:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sun Jun 07 02:13:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	57020	5.244	ug/L	96
25) Chloroform	5.13	83	226612	5.556	ug/L	100
27) 1,2-Dichloroethane	5.83	62	152449	5.309	ug/L	100
29) 1,1,1-Trichloroethane	5.35	97	194984	5.592	ug/L	99
30) Cyclohexane	5.42	56	188830	5.165	ug/L	99
31) Carbon tetrachloride	5.56	117	159989	5.512	ug/L	99
33) Benzene	5.81	78	488413	5.316	ug/L	100
34) Trichloroethene	6.57	95	126472	5.303	ug/L	98
35) Methylcyclohexane	6.79	83	189294	5.127	ug/L	100
37) 1,2-Dichloropropane	6.82	63	125896	5.445	ug/L	100
38) Bromodichloromethane	7.13	83	163498	5.694	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	188716	5.523	ug/L	97
40) 4-Methyl-2-pentanone	7.82	43	920438	55.665	ug/L	99
42) Toluene	8.00	91	522272	5.419	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	165215	5.474	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	98798	5.664	ug/L	95
47) Tetrachloroethene	8.58	164	94119	5.432	ug/L	98
48) 2-Hexanone	8.71	43	700774	55.961	ug/L	99
49) Dibromochloromethane	8.83	129	109046	5.792	ug/L	97
50) 1,2-Dibromoethane	8.95	107	91218	5.461	ug/L	95
51) Chlorobenzene	9.47	112	337032	5.423	ug/L	98
52) Ethylbenzene	9.59	91	586561	5.470	ug/L	99
53) m,p-Xylene	9.71	106	229542	5.566	ug/L	97
54) o-Xylene	10.12	106	221317	5.591	ug/L	99
55) Styrene	10.13	104	384552	5.723	ug/L	99
56) Isopropylbenzene	10.50	105	593084	5.692	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	124231	5.604	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	95514	5.535	ug/L	99
61) Bromoform	10.31	173	59594	5.468	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	280502	5.457	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	281901	5.408	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	266748	5.465	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	21484	5.437	ug/L	91
67) 1,3,5-Trichlorobenzene	13.24	180	208855	5.446	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	193211	5.443	ug/L	99
69) Naphthalene	14.12	128	381458	5.400	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	178362	5.523	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 5.016 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038609.D

Acq: 06 Jun 2020 11:21

Instrument :

MSVOA_U

ClientSampleId :

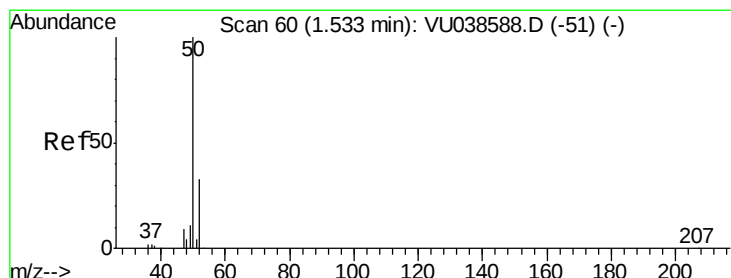
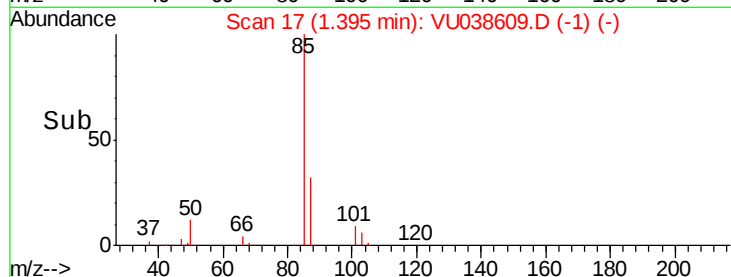
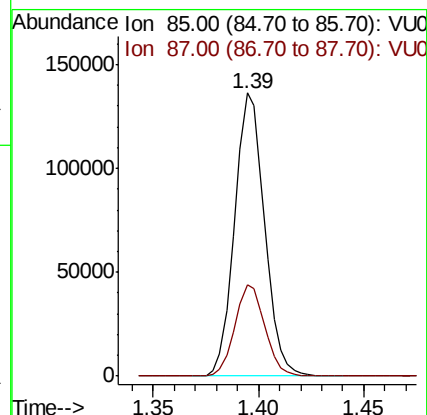
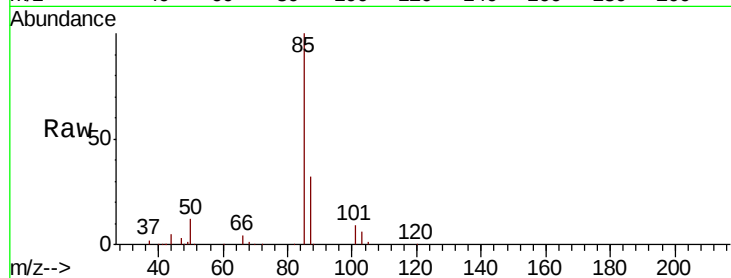
VSTD00514

Tot Ion: 85 Resp: 133643

Ion Ratio Lower Upper

85 100

87 32.3 25.2 37.8



#3

Chloromethane

Concen: 4.703 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038609.D

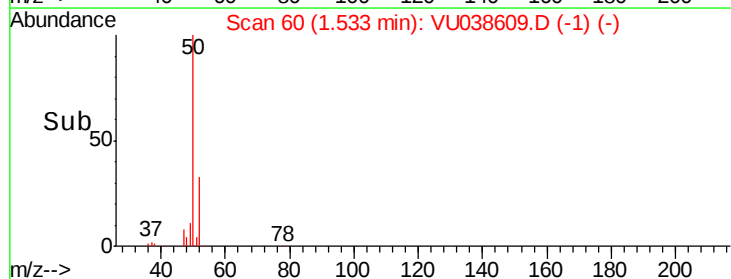
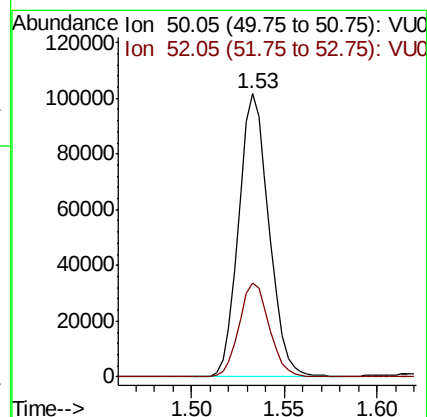
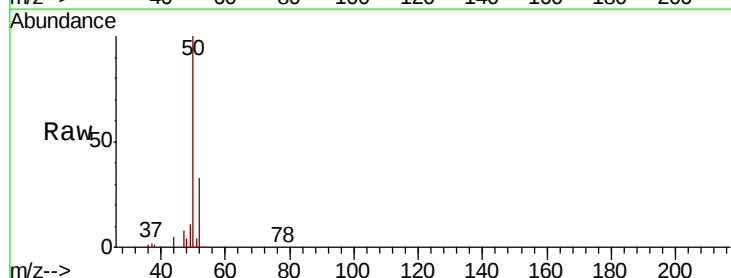
Acq: 06 Jun 2020 11:21

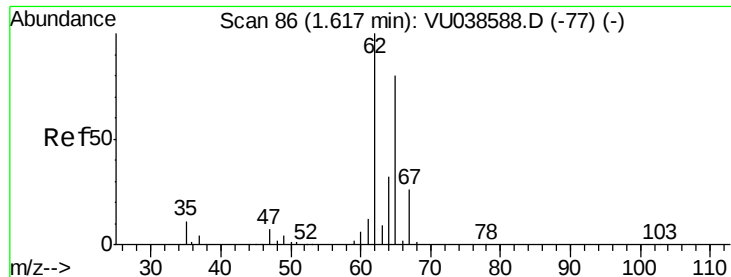
Tgt Ion: 50 Resp: 115078

Ion Ratio Lower Upper

50 100

52 33.4 22.9 42.5





#5

Vinyl chloride

Concen: 4.885 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038609.D

Acq: 06 Jun 2020 11:21

Instrument :

MSVOA_U

ClientSampleId :

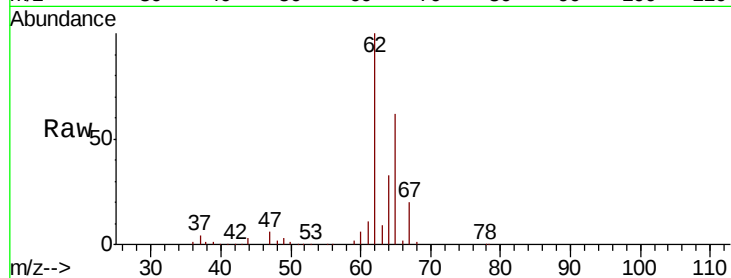
VSTD00514

Tot Ion: 62 Resp: 128056

Ion Ratio Lower Upper

62 100

64 33.4 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU038588.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU038588.D (-77) (-)

1.62

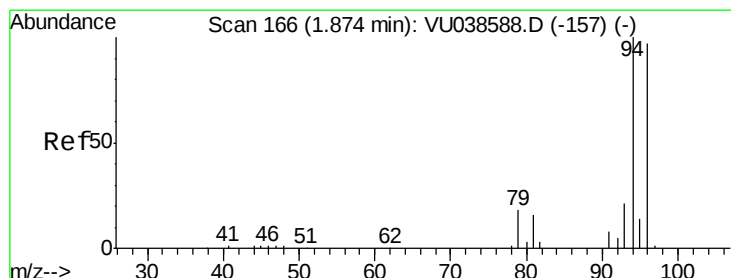
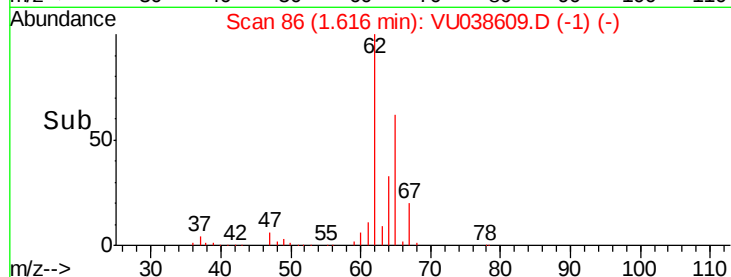
100000

50000

0

1.60 1.65

Time-->



#6

Bromomethane

Concen: 5.685 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU038609.D

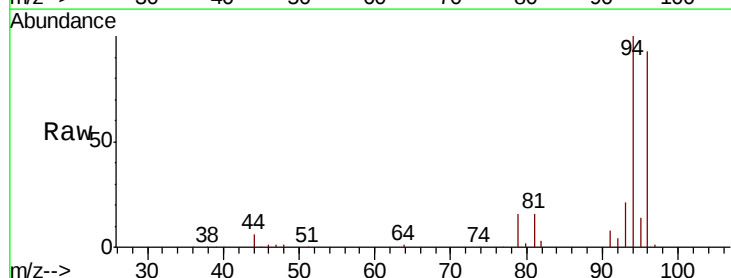
Acq: 06 Jun 2020 11:21

Tgt Ion: 94 Resp: 72361

Ion Ratio Lower Upper

94 100

96 93.3 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VU038588.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU038588.D (-157) (-)

1.88

60000

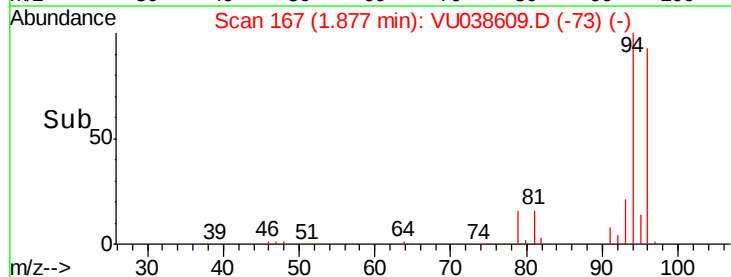
40000

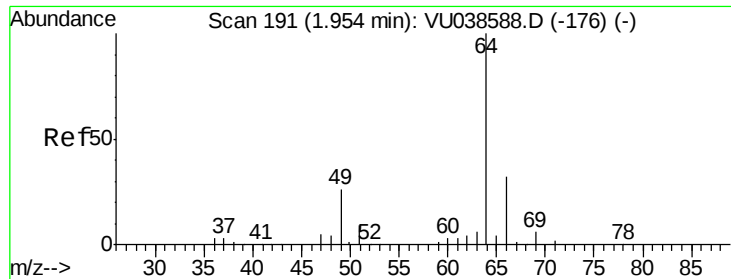
20000

0

1.85 1.90

Time-->





#8

Chloroethane

Concen: 4.912 ug/L

RT: 1.95 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU038609.D

Acq: 06 Jun 2020 11:21

Instrument :

MSVOA_U

ClientSampleId :

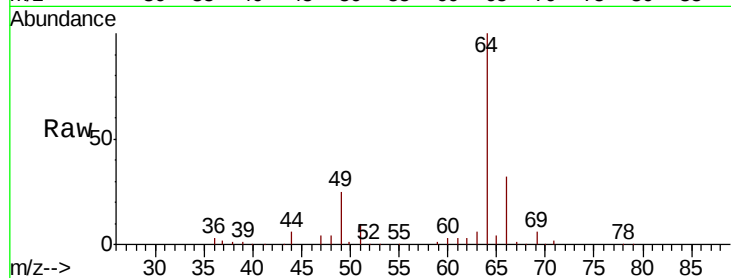
VSTD00514

Tot Ion: 64 Resp: 77155

Ion Ratio Lower Upper

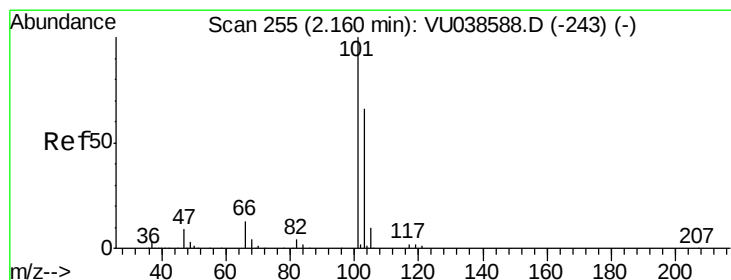
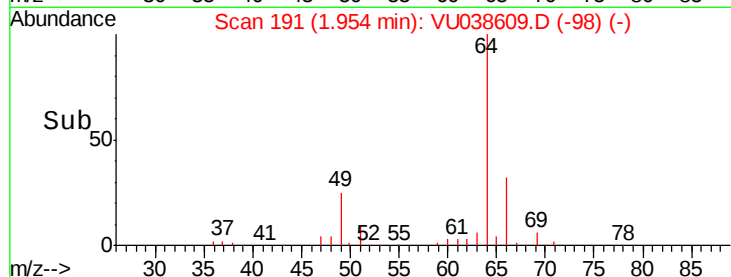
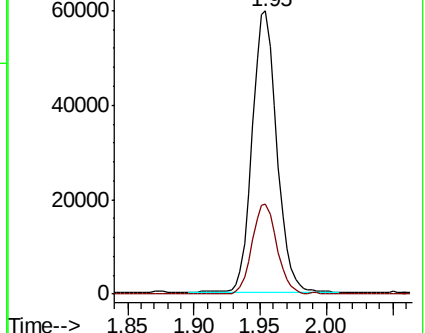
64 100

66 31.9 21.5 39.9



Abundance Ion 64.10 (63.80 to 64.80): VU038588.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU038609.D (-98) (-)



#9

Trichlorofluoromethane

Concen: 5.447 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU038609.D

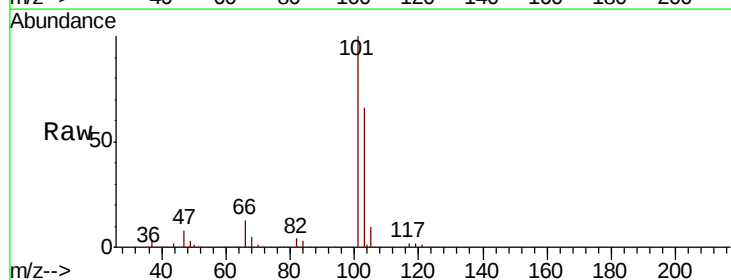
Acq: 06 Jun 2020 11:21

Tgt Ion: 101 Resp: 189436

Ion Ratio Lower Upper

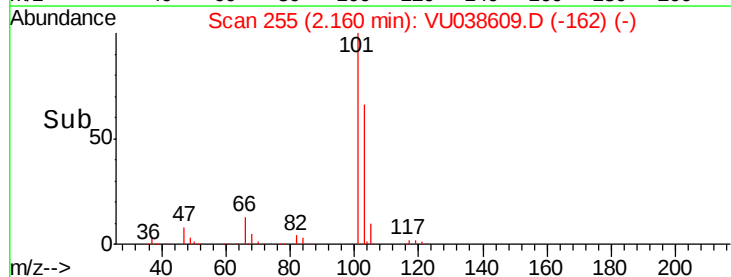
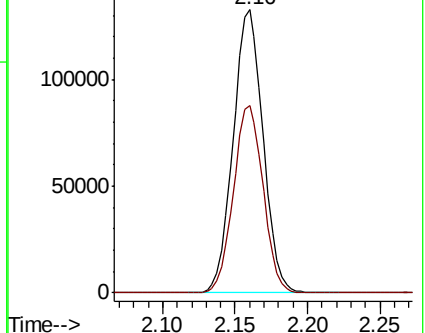
101 100

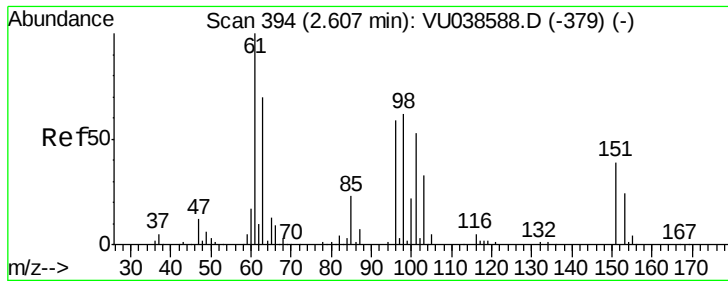
103 65.6 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU038588.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU038609.D (-162) (-)





#10

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

Concen: 5.828 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038609.D

Acq: 06 Jun 2020 11:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

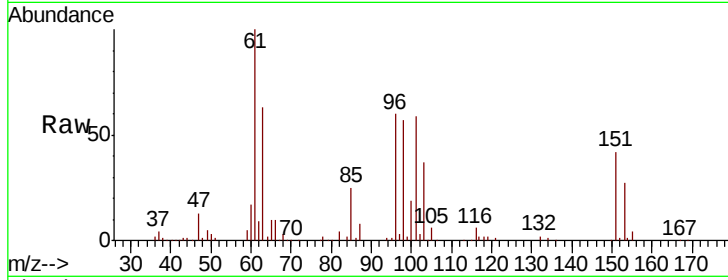
Tot Ion:101 Resp: 119373

Ion Ratio Lower Upper

101 100

85 43.6 34.0 51.0

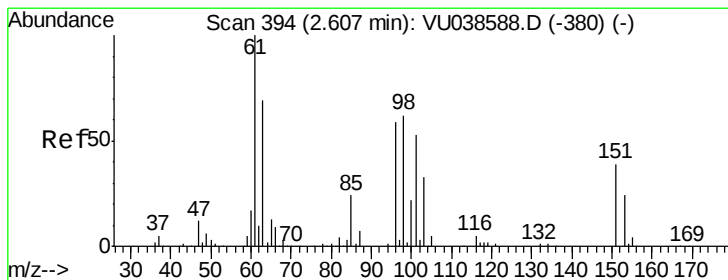
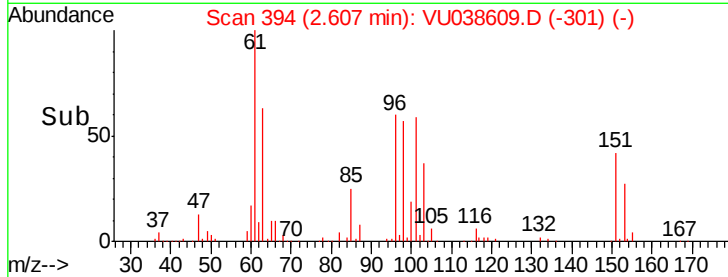
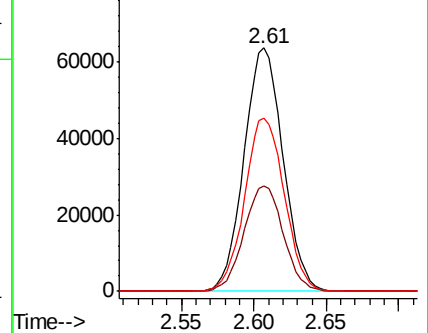
151 72.4 56.9 85.3



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: 5.176 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038609.D

Acq: 06 Jun 2020 11:21

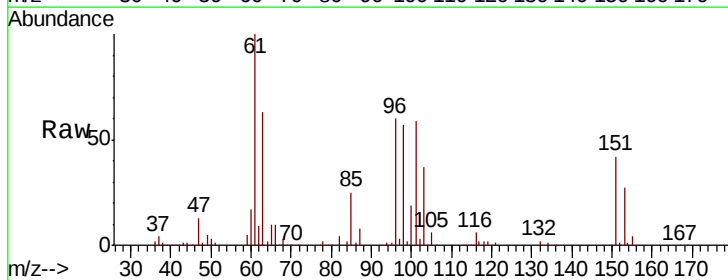
Tgt Ion: 96 Resp: 107755

Ion Ratio Lower Upper

96 100

61 165.4 119.9 222.7

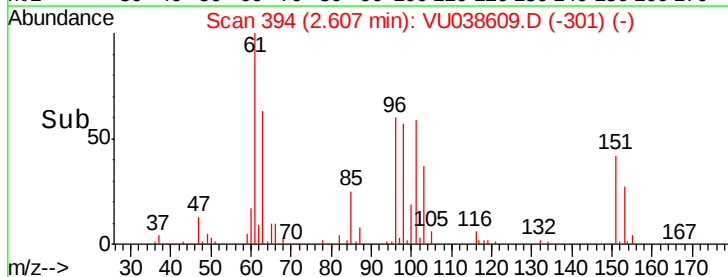
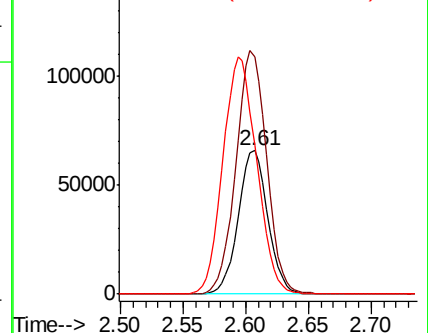
63 104.3 89.9 167.0

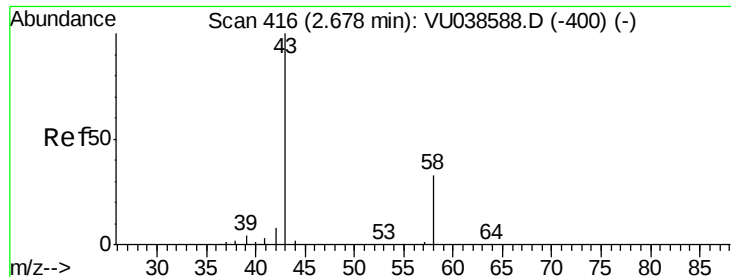


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 57.821 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.00 min

Lab File: VU038609.D

Acq: 06 Jun 2020 11:21

Instrument :

MSVOA_U

ClientSampleId :

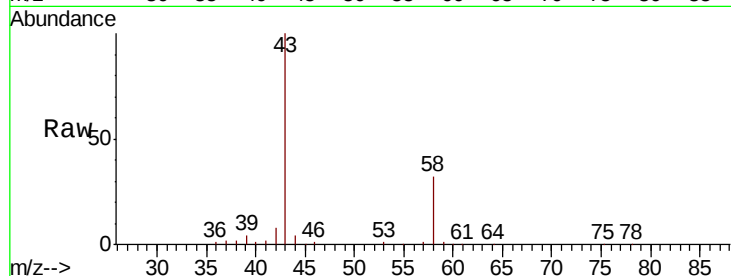
VSTD00514

Tot Ion: 43 Resp: 251503

Ion Ratio Lower Upper

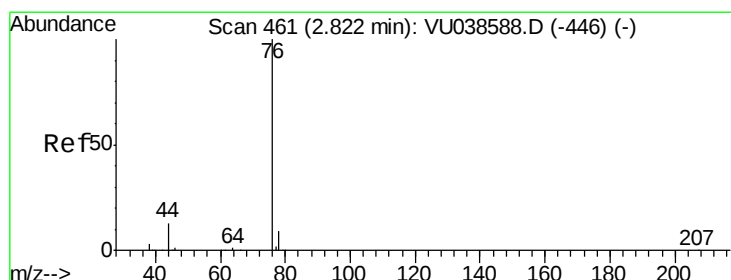
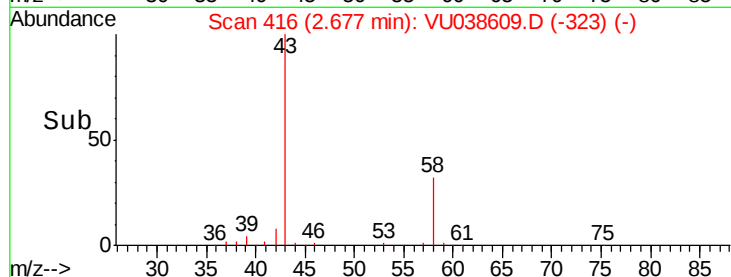
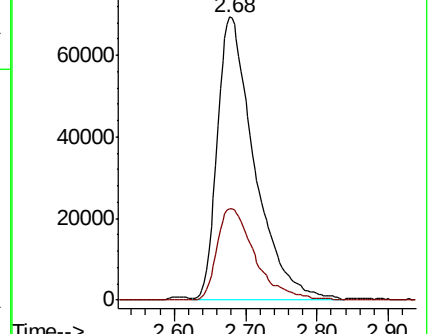
43 100

58 32.8 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038588.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU038588.D (-400) (-)



#14

Carbon disulfide

Concen: 4.319 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU038609.D

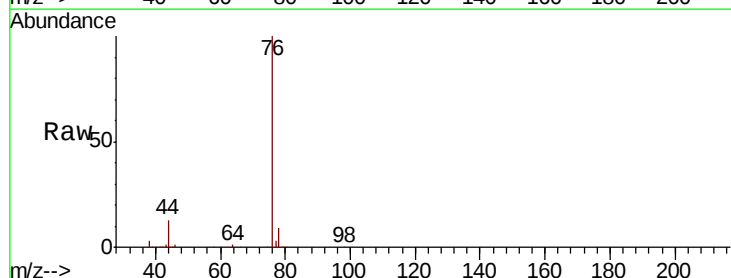
Acq: 06 Jun 2020 11:21

Tgt Ion: 76 Resp: 305134

Ion Ratio Lower Upper

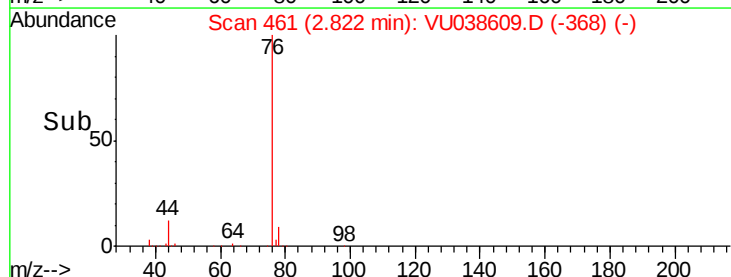
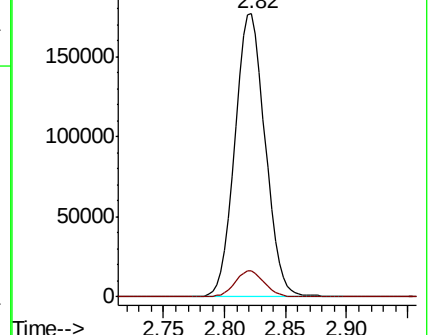
76 100

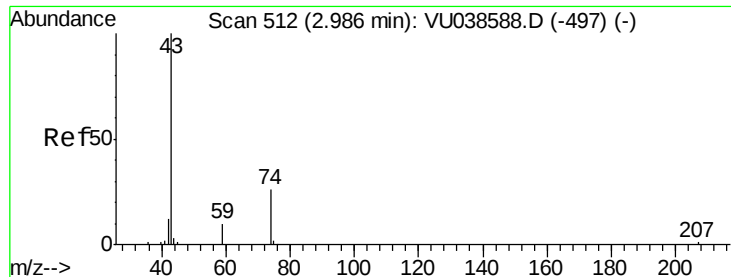
78 9.2 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU038588.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU038588.D (-446) (-)

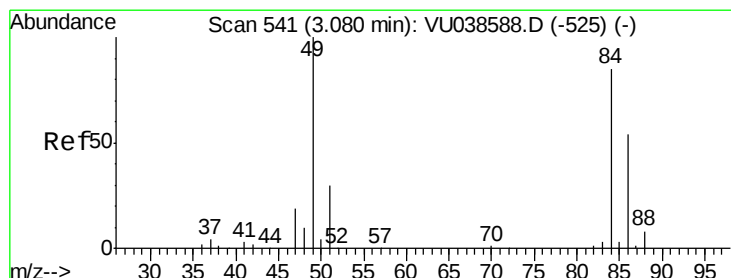
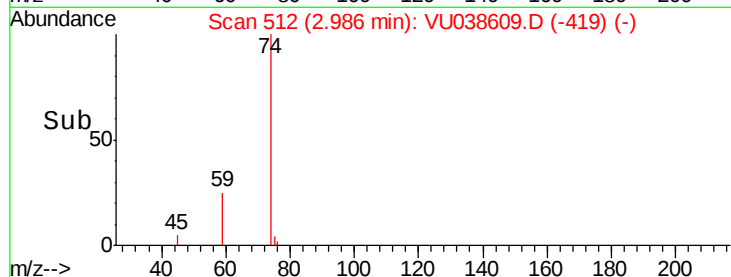
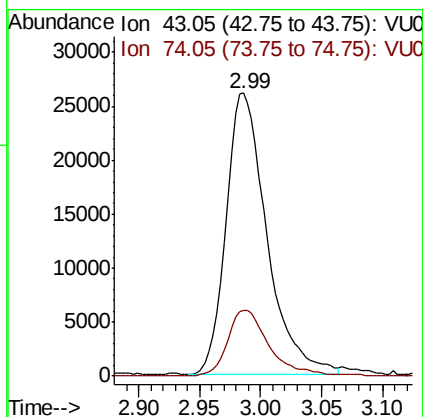
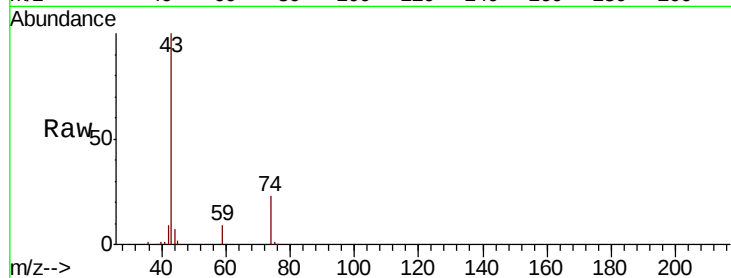




#15
Methvl Acetate
Concen: 5.700 ug/L
RT: 2.99 min Scan# 512
Delta R.T. -0.00 min
Lab File: VU038609.D
Acq: 06 Jun 2020 11:21

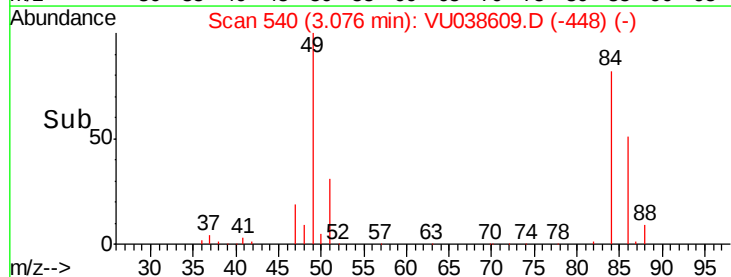
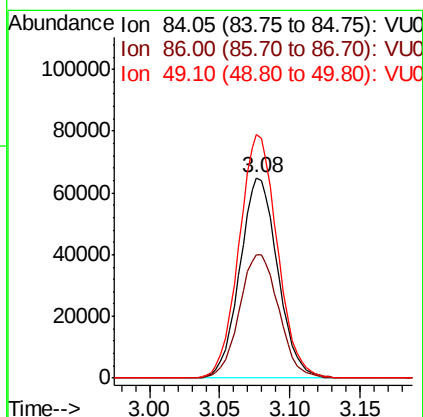
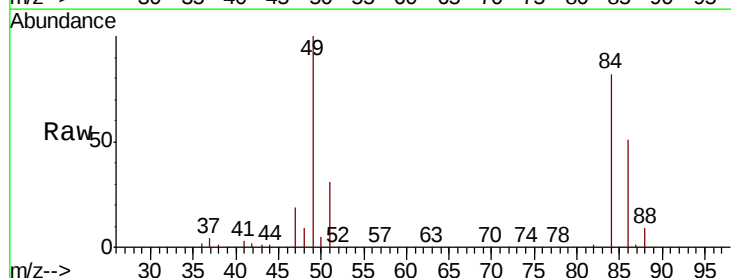
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

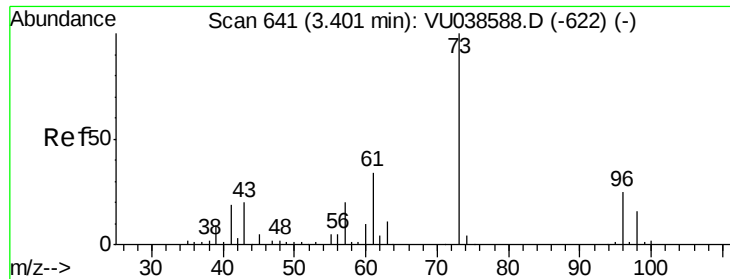
Tot Ion: 43 Resp: 60741
Ion Ratio Lower Upper
43 100
74 23.7 19.2 28.8



#16
Methylene chloride
Concen: 5.191 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU038609.D
Acq: 06 Jun 2020 11:21

Tgt Ion: 84 Resp: 122301
Ion Ratio Lower Upper
84 100
86 61.5 45.0 83.6
49 121.5 85.5 158.9

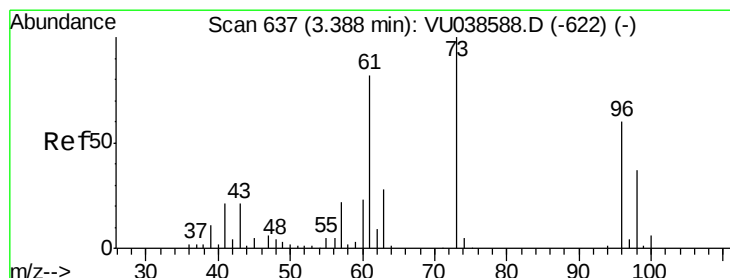
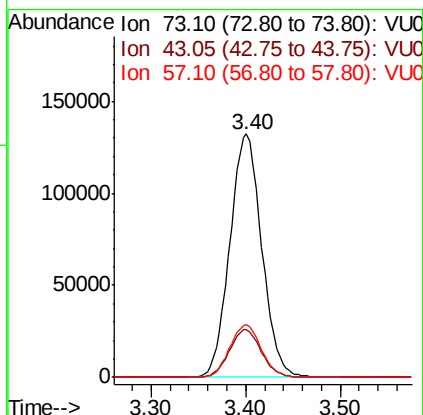
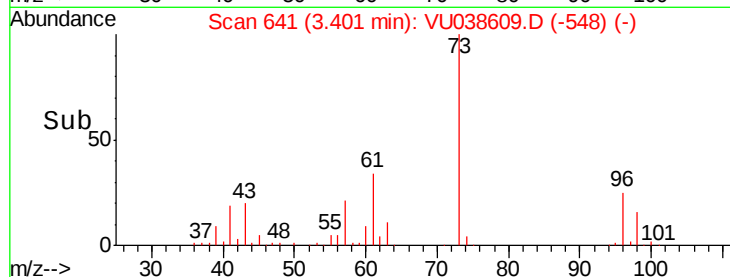
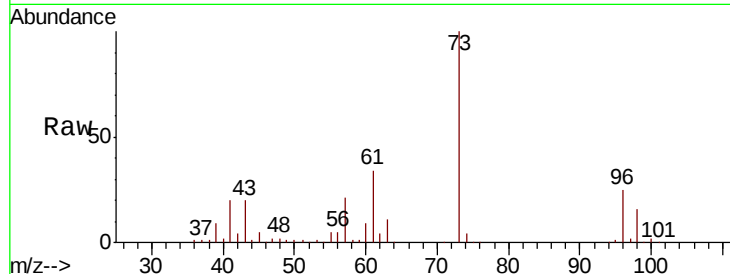




#17
Methvl tert-butvl Ether
Concen: 5.683 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU038609.D
Acq: 06 Jun 2020 11:21

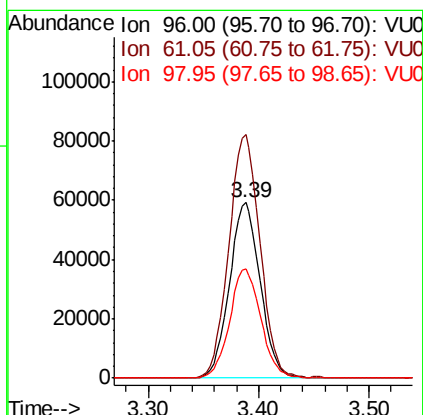
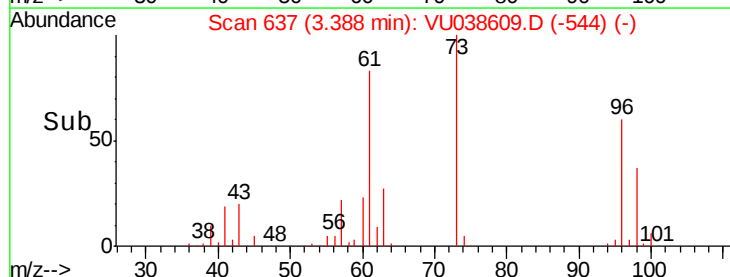
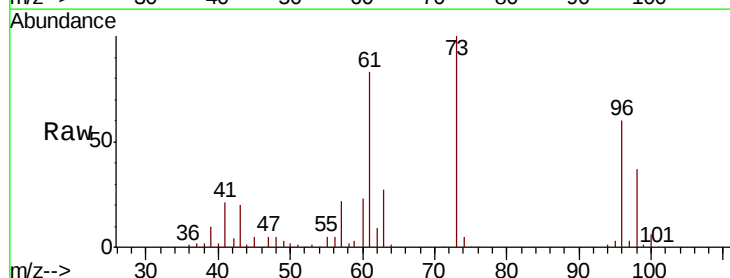
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

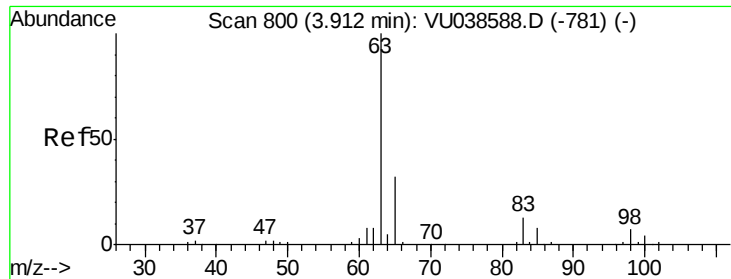
Tot Ion: 73 Resp: 310232
Ion Ratio Lower Upper
73 100
43 19.8 15.5 23.3
57 21.5 17.8 26.6



#18
trans-1,2-Dichloroethene
Concen: 5.102 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU038609.D
Acq: 06 Jun 2020 11:21

Tgt Ion: 96 Resp: 114475
Ion Ratio Lower Upper
96 100
61 138.8 100.2 186.0
98 62.1 42.8 79.4

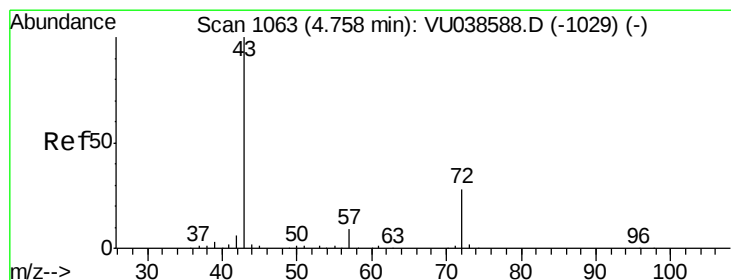
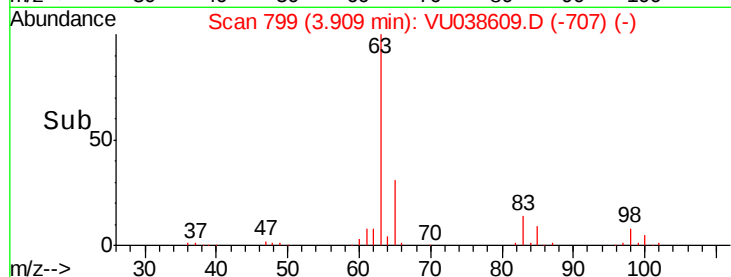
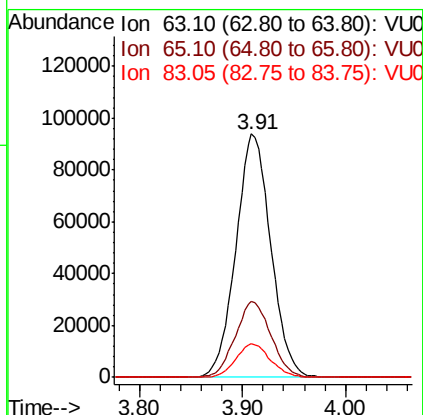
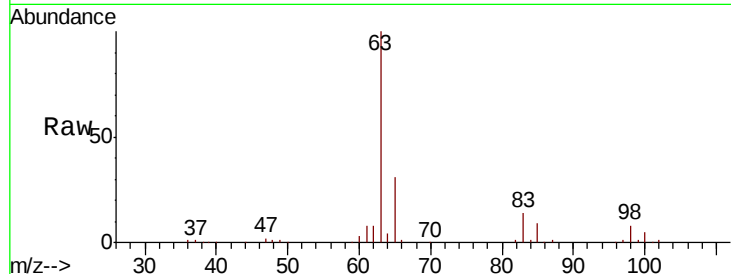




#19
 1,1-Dichloroethane
 Concen: 5.495 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038609.D
 Acq: 06 Jun 2020 11:21

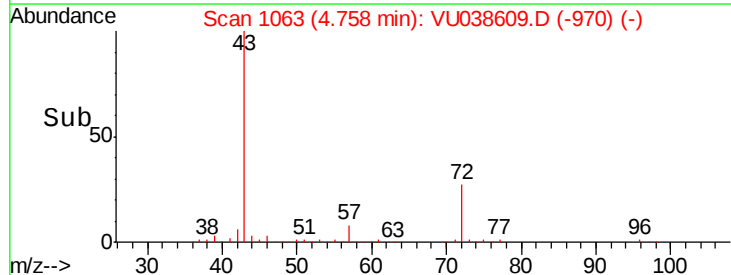
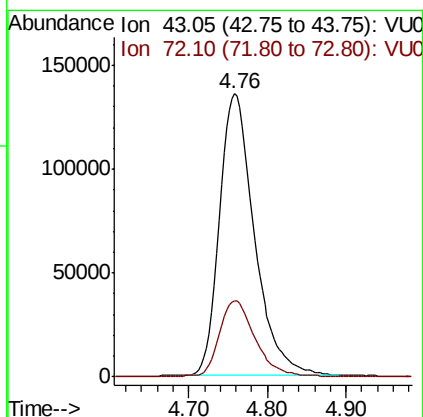
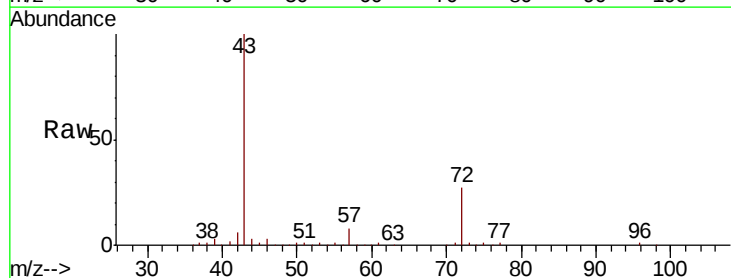
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

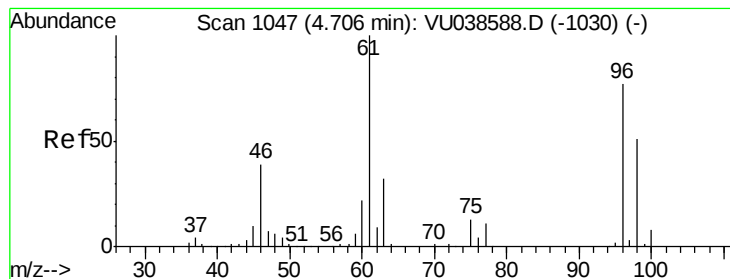
Tot Ion: 63 Resp: 220636
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.3 41.5
 83 13.6 10.4 19.4



#21
 2-Butanone
 Concen: 56.728 ug/L
 RT: 4.76 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: VU038609.D
 Acq: 06 Jun 2020 11:21

Tgt Ion: 43 Resp: 415024
 Ion Ratio Lower Upper
 43 100
 72 28.2 12.6 37.8





#22

cis-1,2-Dichloroethene

Concen: 5.363 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038609.D

Acq: 06 Jun 2020 11:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

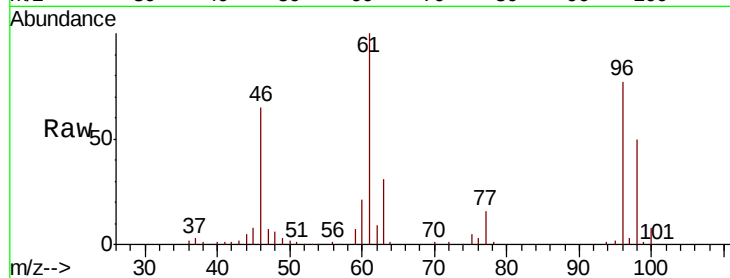
Tot Ion: 96 Resp: 129565

Ion Ratio Lower Upper

96 100

61 130.7 94.0 174.6

68 0.0 0.0 0.0

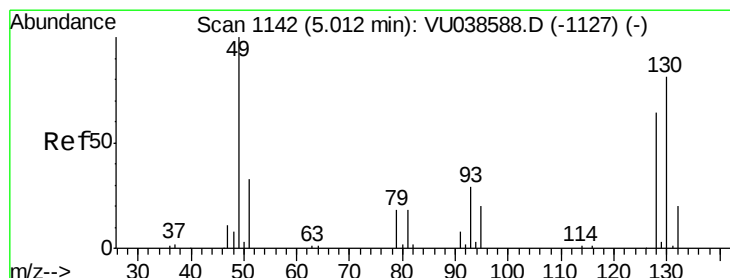
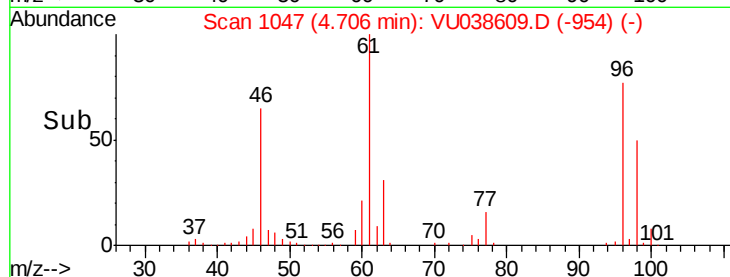
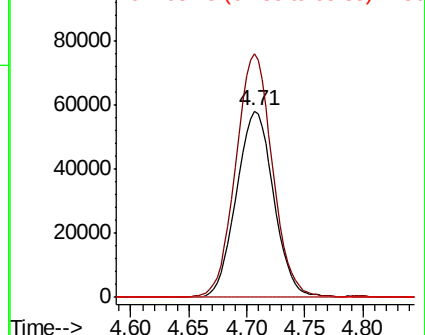


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.244 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU038609.D

Acq: 06 Jun 2020 11:21

Tgt Ion: 128 Resp: 57020

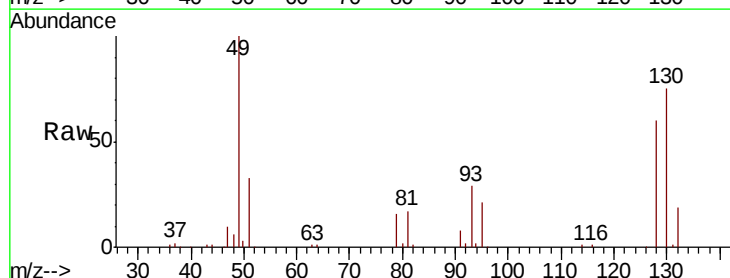
Ion Ratio Lower Upper

128 100

49 167.5 111.9 207.7

130 126.1 86.5 160.7

51 55.2 41.7 62.5



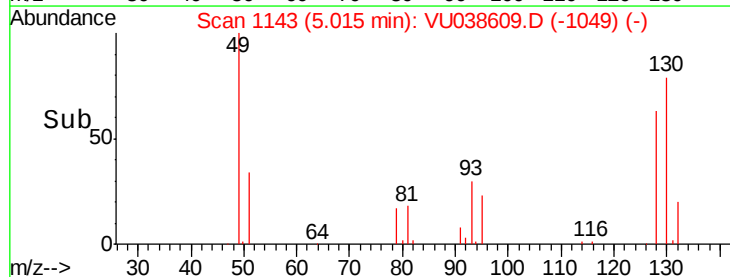
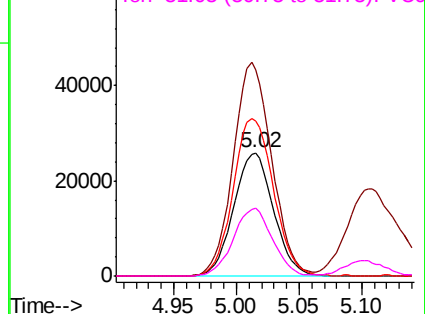
Abundance

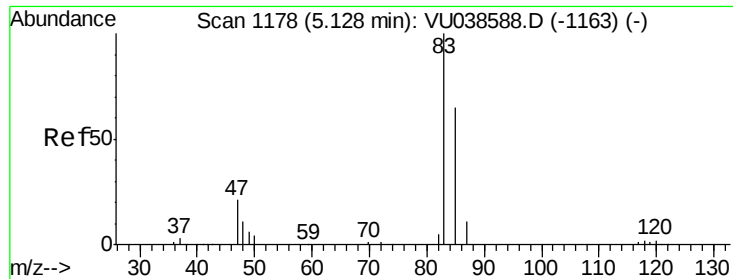
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

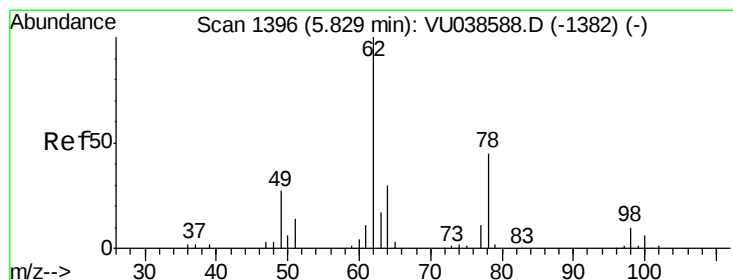
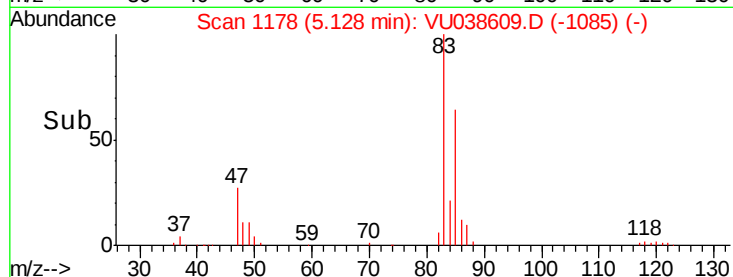
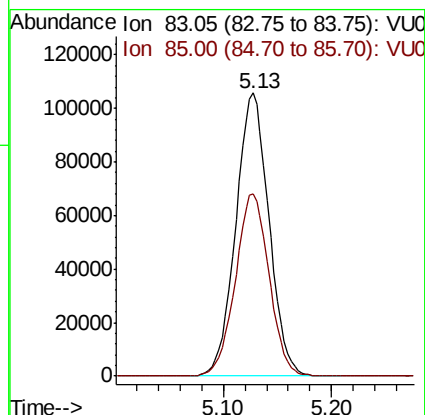
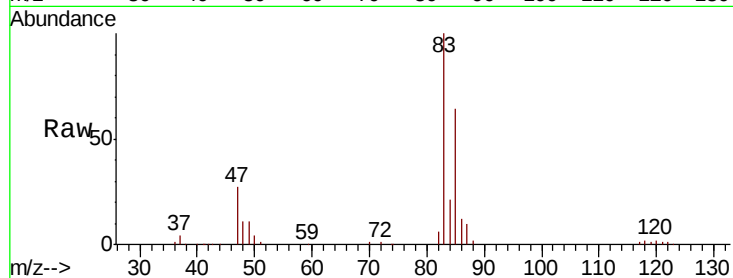




#25
Chloroform
Concen: 5.556 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU038609.D
Acq: 06 Jun 2020 11:21

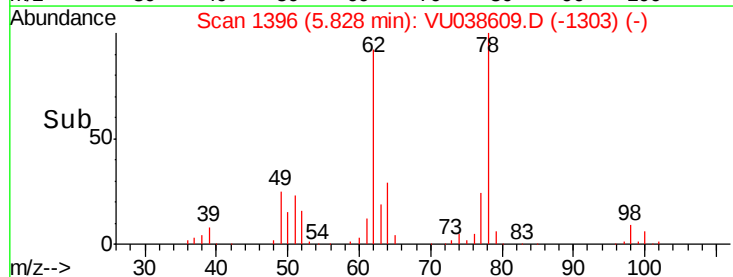
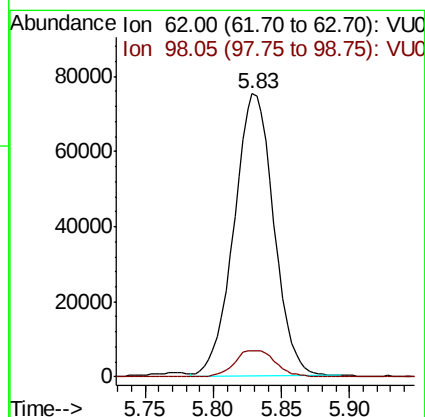
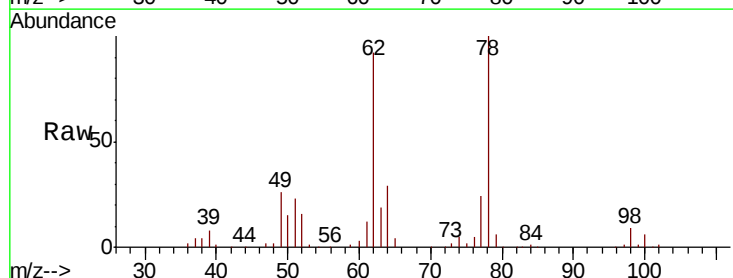
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

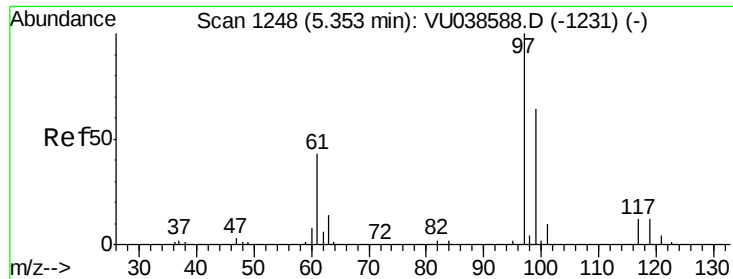
Tot Ion: 83 Resp: 226612
Ion Ratio Lower Upper
83 100
85 64.2 44.9 83.5



#27
1,2-Dichloroethane
Concen: 5.309 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038609.D
Acq: 06 Jun 2020 11:21

Tgt Ion: 62 Resp: 152449
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.2

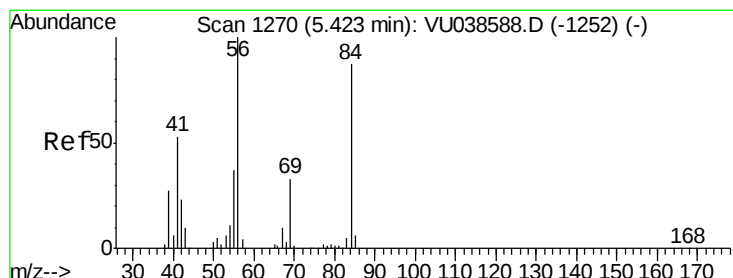
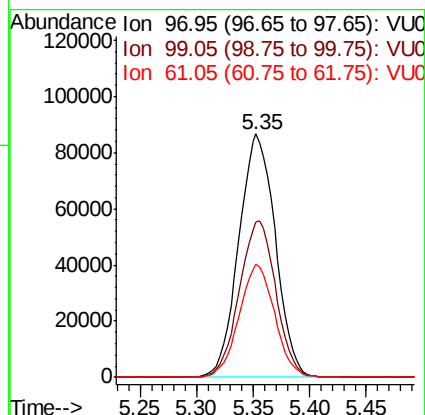
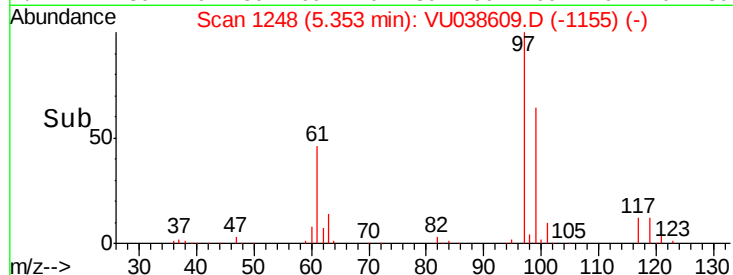
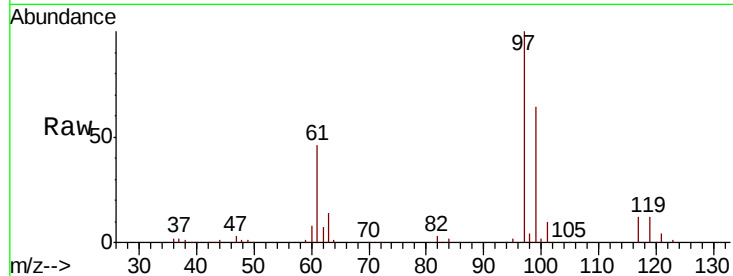




#29
 1,1,1-Trichloroethane
 Concen: 5.592 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU038609.D
 Acq: 06 Jun 2020 11:21

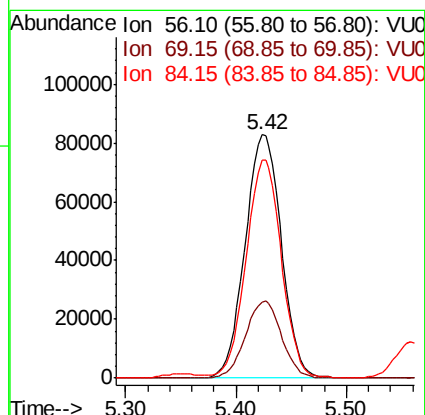
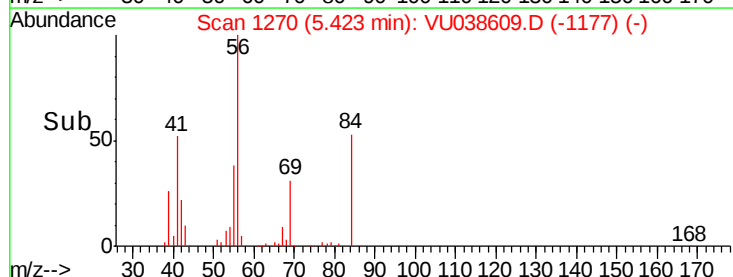
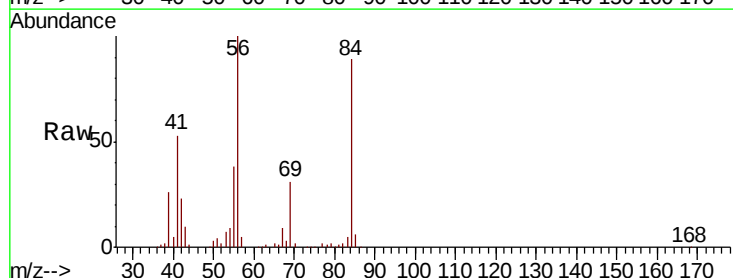
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

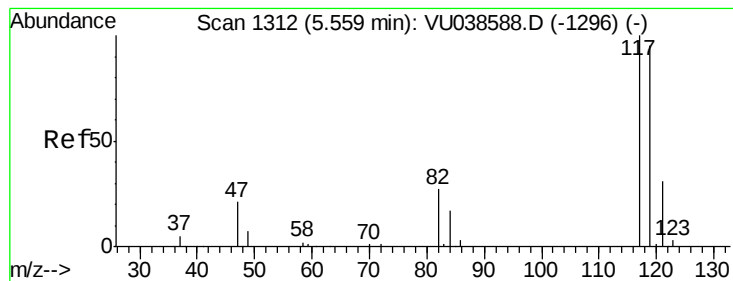
Tot Ion: 97 Resp: 194984
 Ion Ratio Lower Upper
 97 100
 99 64.1 52.2 78.2
 61 45.2 35.4 53.2



#30
 Cyclohexane
 Concen: 5.165 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU038609.D
 Acq: 06 Jun 2020 11:21

Tgt Ion: 56 Resp: 188830
 Ion Ratio Lower Upper
 56 100
 69 31.4 24.2 36.4
 84 87.6 70.8 106.2





#31

Carbon tetrachloride

Concen: 5.512 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038609.D

Acq: 06 Jun 2020 11:21

Instrument :

MSVOA_U

ClientSampleId :

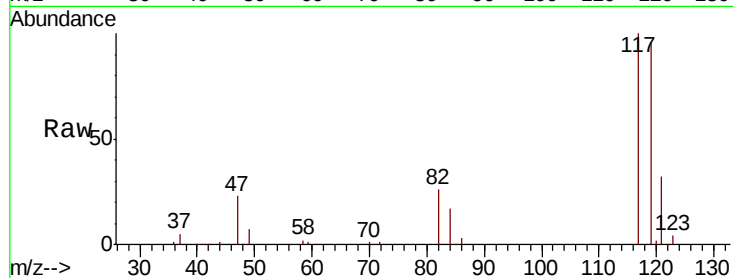
VSTD00514

Tot Ion:117 Resp: 159989

Ion Ratio Lower Upper

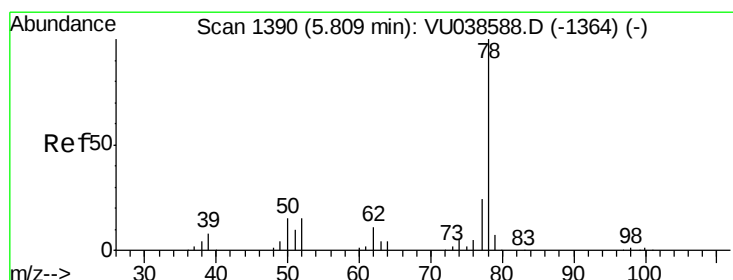
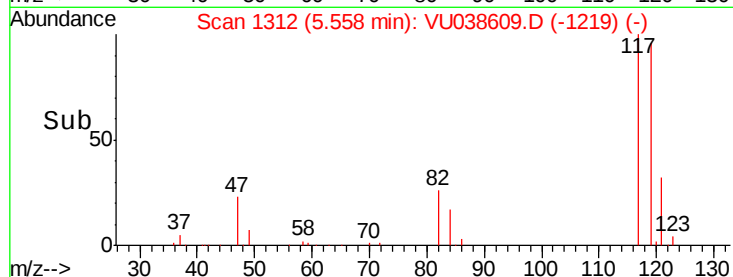
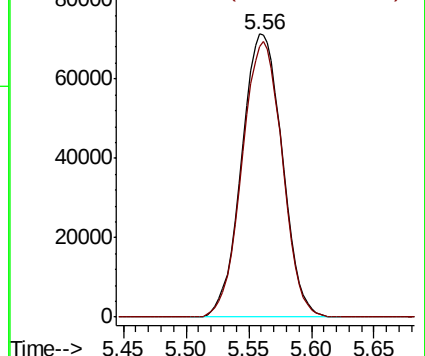
117 100

119 96.4 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.316 ug/L

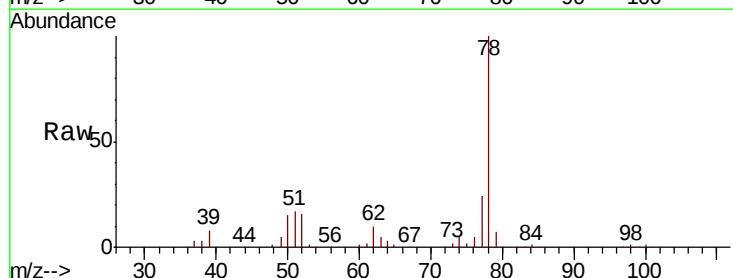
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

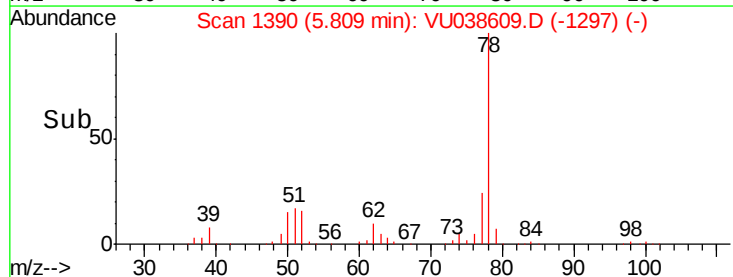
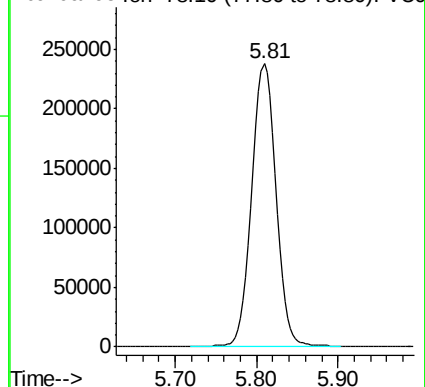
Lab File: VU038609.D

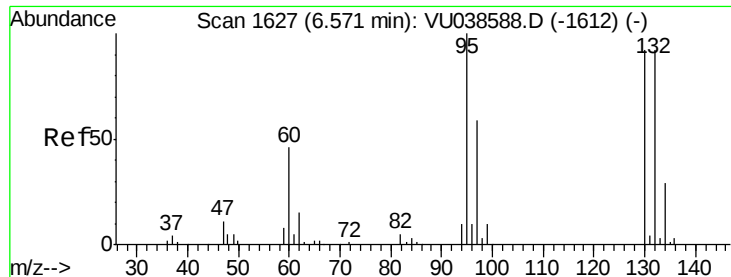
Acq: 06 Jun 2020 11:21

Tgt Ion: 78 Resp: 488413



Abundance Ion 78.10 (77.80 to 78.80): VU0

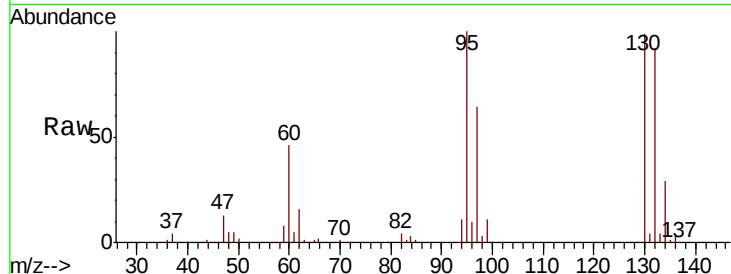




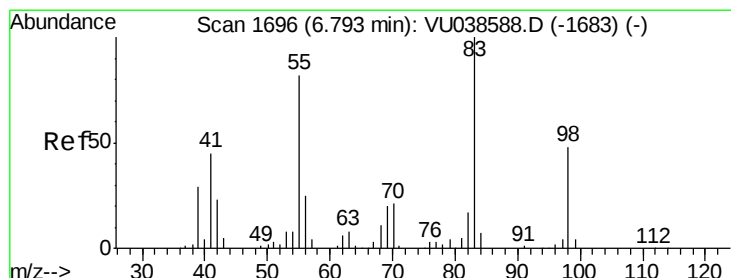
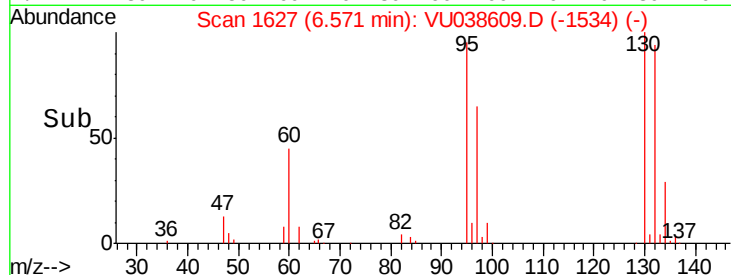
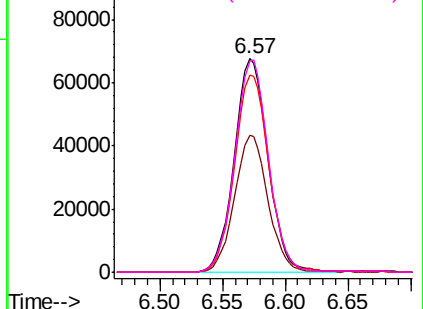
#34
 Trichloroethene
 Concen: 5.303 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038609.D
 Acq: 06 Jun 2020 11:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tot Ion: 95 Resp: 126472
 Ion Ratio Lower Upper
 95 100
 97 63.9 46.8 87.0
 132 92.3 66.1 122.7
 130 98.7 70.0 130.0

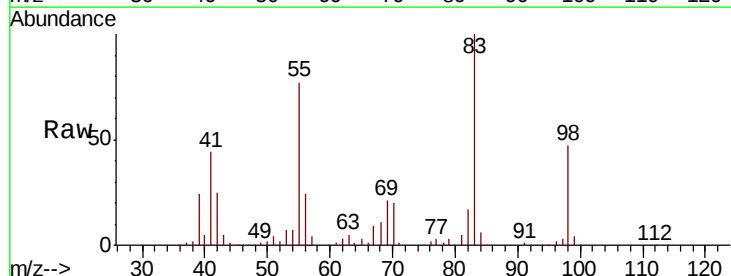


Abundance Ion 95.00 (94.70 to 95.70): VU038588.D (-1612) (-)
 Ion 96.95 (96.65 to 97.65): VU038588.D (-1612) (-)
 Ion 131.95 (131.65 to 132.65): VU038588.D (-1612) (-)
 Ion 129.95 (129.65 to 130.65): VU038588.D (-1612) (-)

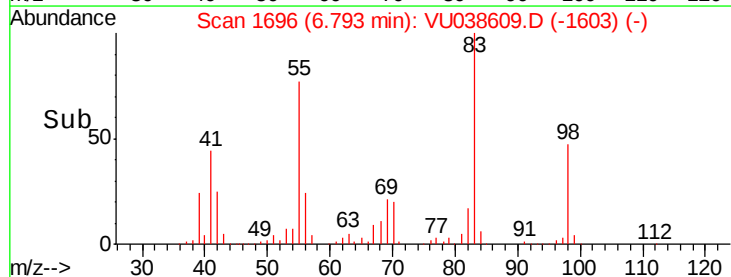
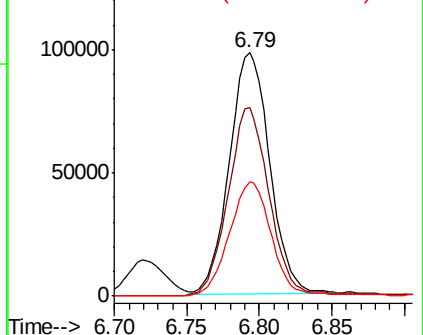


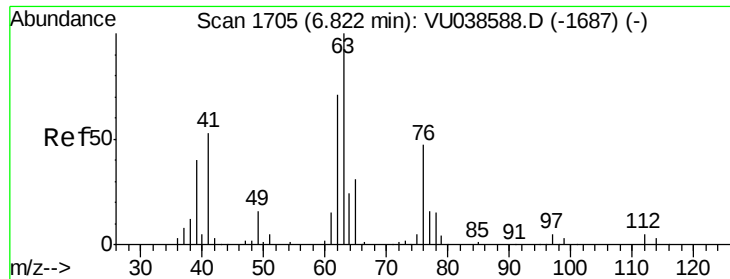
#35
 Methylcyclohexane
 Concen: 5.127 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. -0.00 min
 Lab File: VU038609.D
 Acq: 06 Jun 2020 11:21

Tgt Ion: 83 Resp: 189294
 Ion Ratio Lower Upper
 83 100
 55 79.4 63.4 95.2
 98 49.1 39.0 58.4



Abundance Ion 83.15 (82.85 to 83.85): VU038588.D (-1683) (-)
 Ion 55.10 (54.80 to 55.80): VU038588.D (-1683) (-)
 Ion 98.15 (97.85 to 98.85): VU038588.D (-1683) (-)

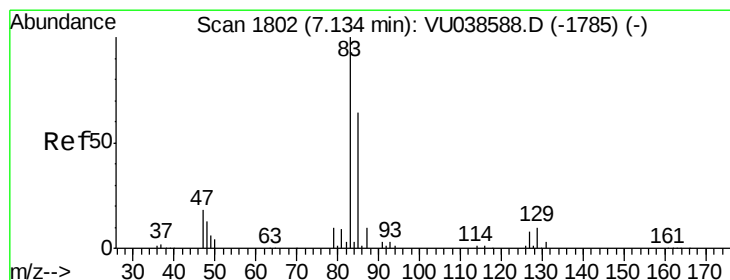
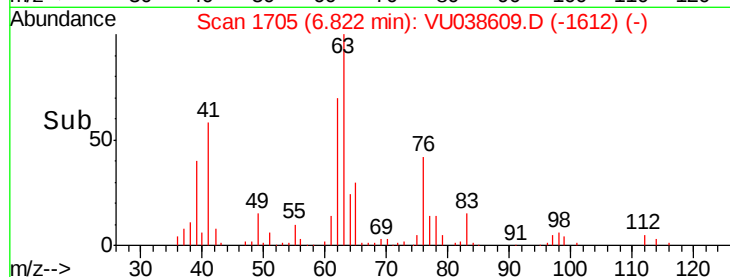
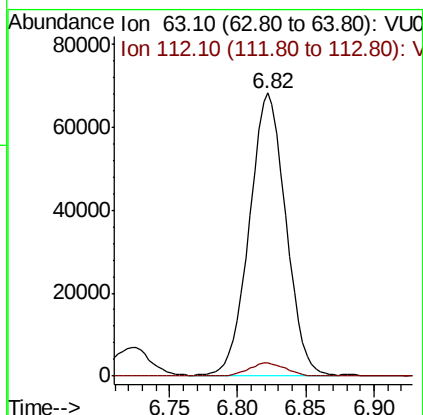
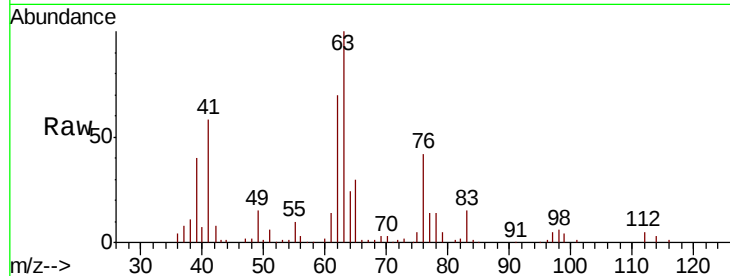




#37
 1,2-Dichloropropane
 Concen: 5.445 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU038609.D
 Acq: 06 Jun 2020 11:21

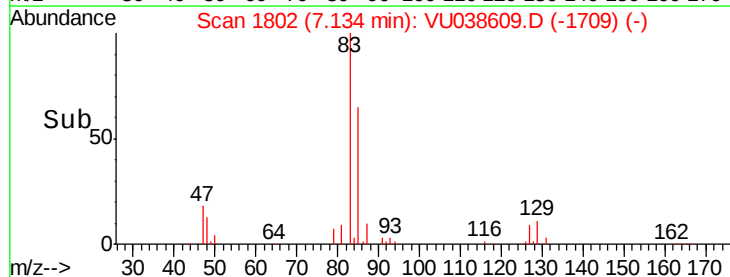
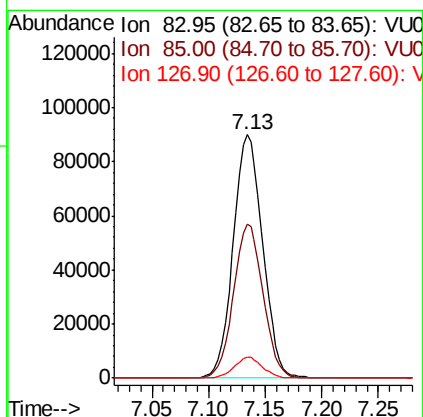
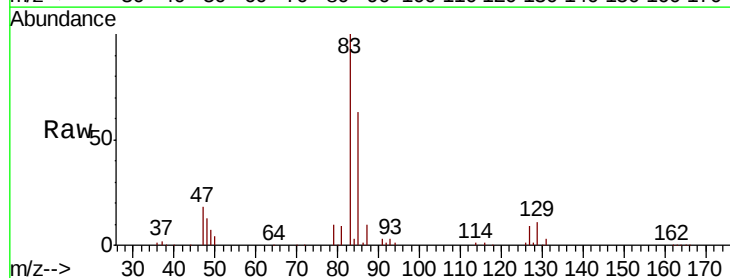
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

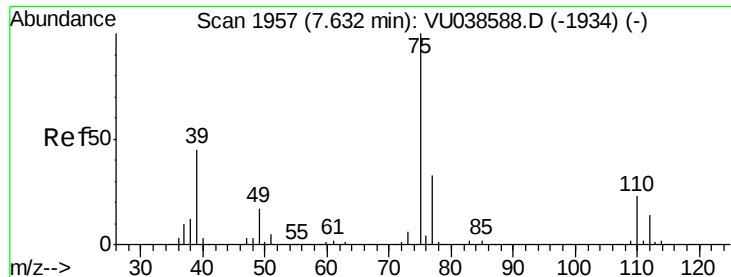
Tot Ion: 63 Resp: 125896
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.7 5.5



#38
 Bromodichloromethane
 Concen: 5.694 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU038609.D
 Acq: 06 Jun 2020 11:21

Tgt Ion: 83 Resp: 163498
 Ion Ratio Lower Upper
 83 100
 85 63.1 44.7 83.1
 127 8.6 6.8 10.2

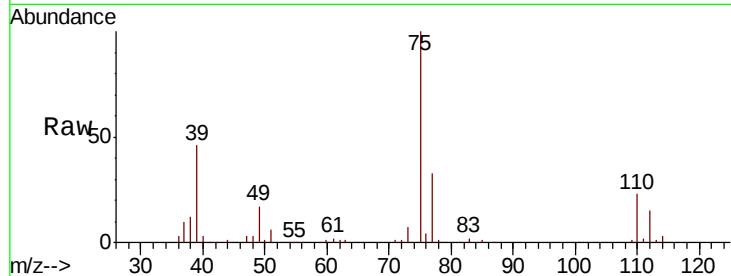




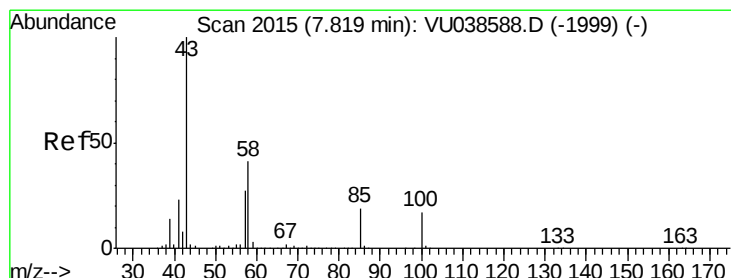
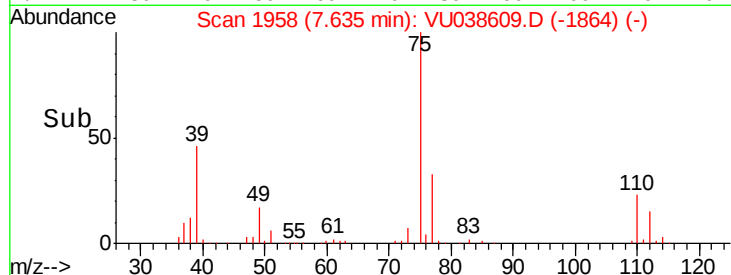
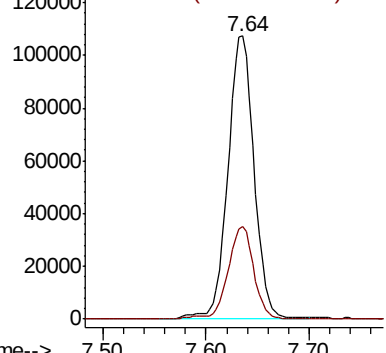
#39
 cis-1,3-Dichloropropene
 Concen: 5.523 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU038609.D
 Acq: 06 Jun 2020 11:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tot Ion: 75 Resp: 188716
 Ion Ratio Lower Upper
 75 100
 77 32.7 21.9 40.7

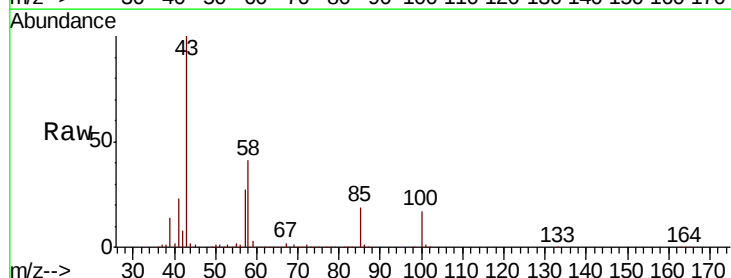


Abundance Ion 75.05 (74.75 to 75.75): VU038588.D (-1934) (-)
 Ion 77.05 (76.75 to 77.75): VU038588.D (-1934) (-)

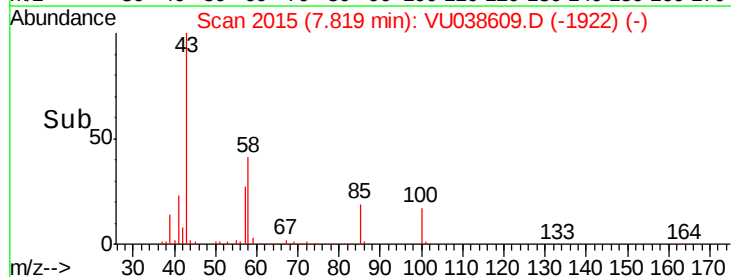
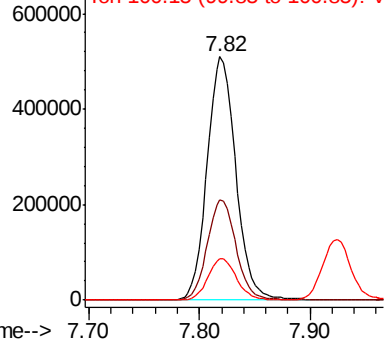


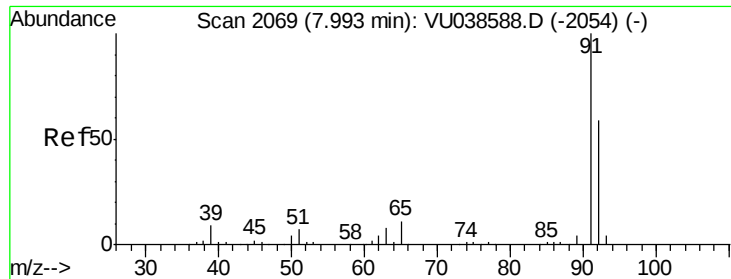
#40
 4-Methyl-2-pentanone
 Concen: 55.665 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU038609.D
 Acq: 06 Jun 2020 11:21

Tgt Ion: 43 Resp: 920438
 Ion Ratio Lower Upper
 43 100
 58 41.2 32.4 48.6
 100 17.0 13.3 19.9



Abundance Ion 43.05 (42.75 to 43.75): VU038588.D (-1999) (-)
 Ion 58.05 (57.75 to 58.75): VU038588.D (-1999) (-)
 Ion 100.15 (99.85 to 100.85): VU038588.D (-1999) (-)





#42

Toluene

Concen: 5.419 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU038609.D

Acq: 06 Jun 2020 11:21

Instrument :

MSVOA_U

ClientSampleId :

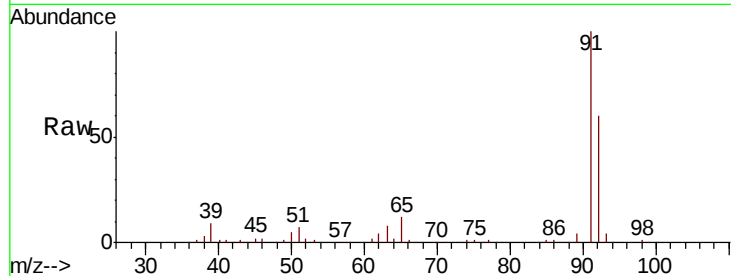
VSTD00514

Tot Ion: 91 Resp: 522272

Ion Ratio Lower Upper

91 100

92 60.1 43.0 79.8



Abundance Ion 91.15 (90.85 to 91.85): VU038588.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038588.D (-2054) (-)

8.00

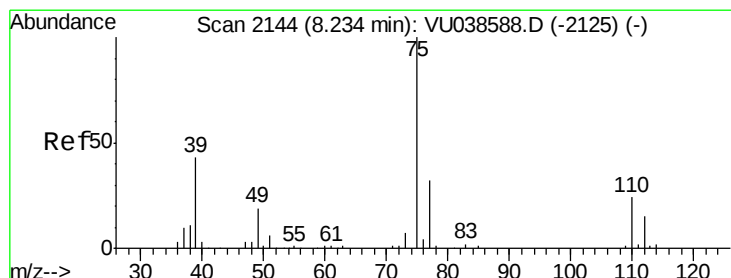
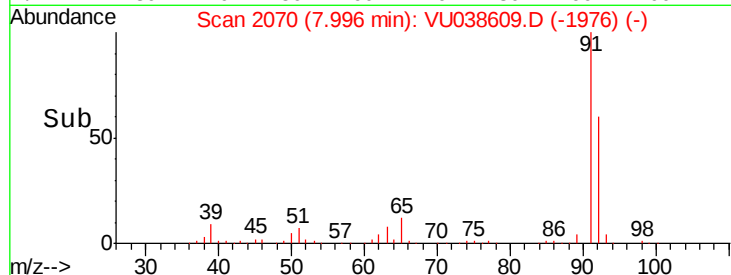
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.474 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU038609.D

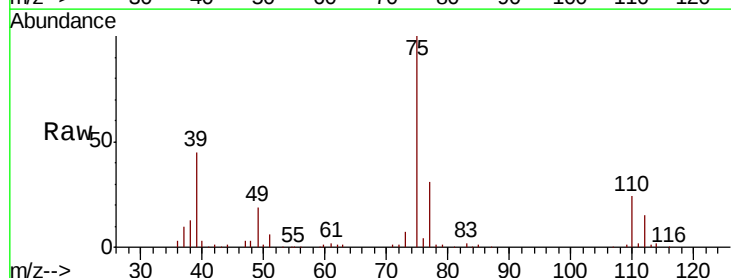
Acq: 06 Jun 2020 11:21

Tgt Ion: 75 Resp: 165215

Ion Ratio Lower Upper

75 100

77 31.2 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU038588.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU038588.D (-2125) (-)

8.23

100000

80000

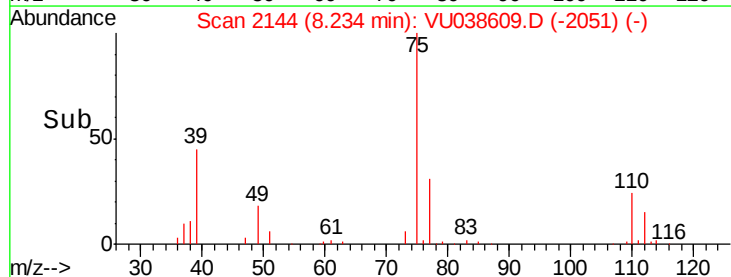
60000

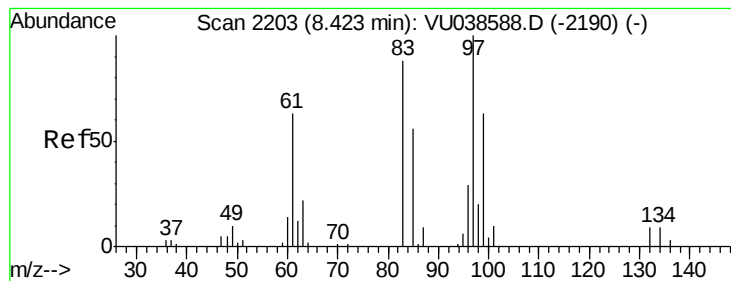
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.664 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. -0.00 min

Lab File: VU038609.D

Acq: 06 Jun 2020 11:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

Tot Ion: 97 Resp: 98798

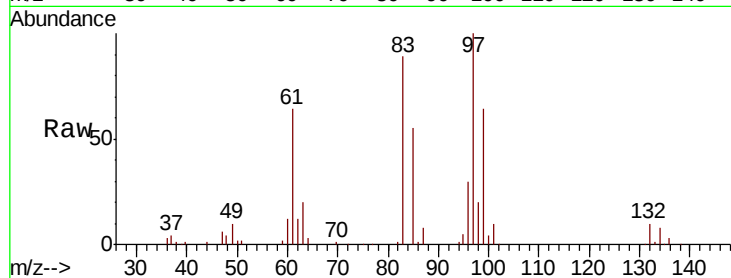
Ion Ratio Lower Upper

97 100

99 64.0 42.1 78.1

83 88.7 58.8 109.2

85 55.3 37.4 69.4

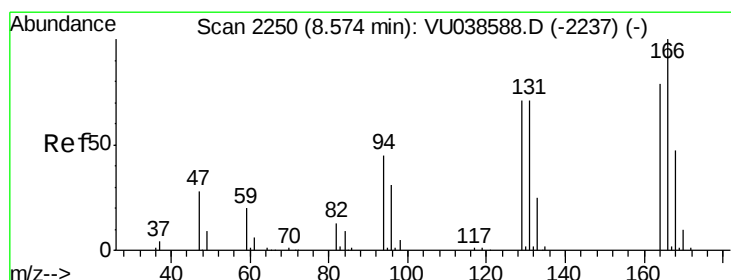
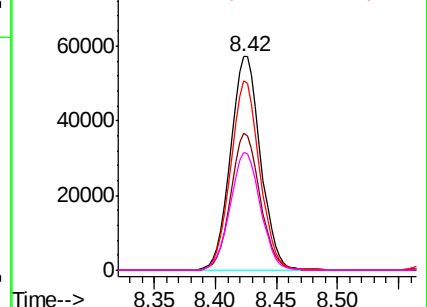
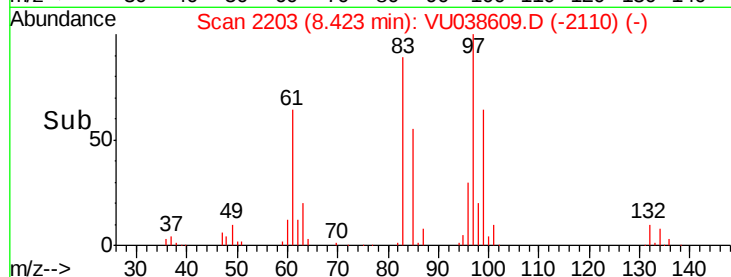


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 5.432 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. 0.00 min

Lab File: VU038609.D

Acq: 06 Jun 2020 11:21

Tgt Ion: 164 Resp: 94119

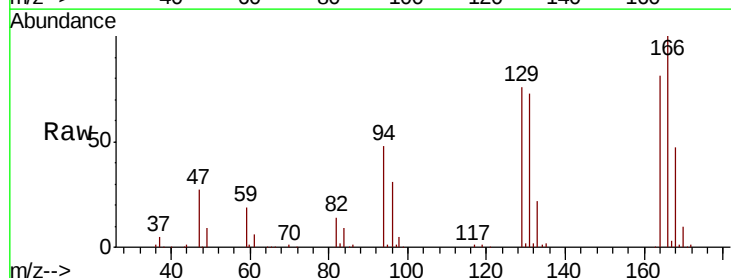
Ion Ratio Lower Upper

164 100

129 93.3 67.4 125.2

131 90.7 64.1 119.1

166 123.5 85.7 159.1

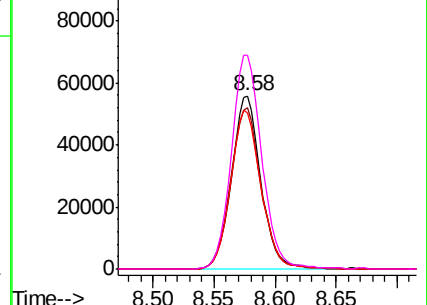
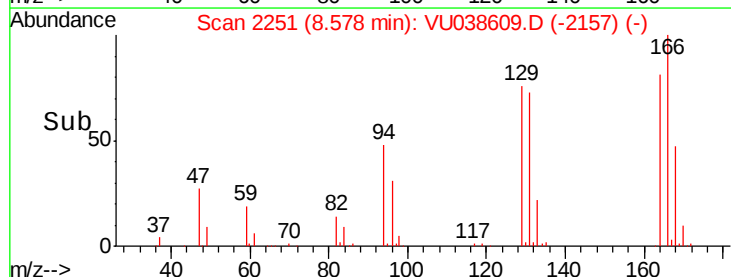


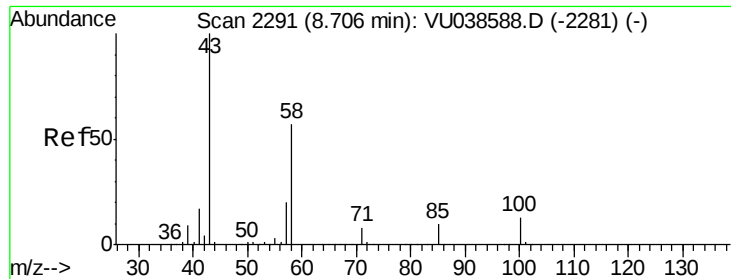
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

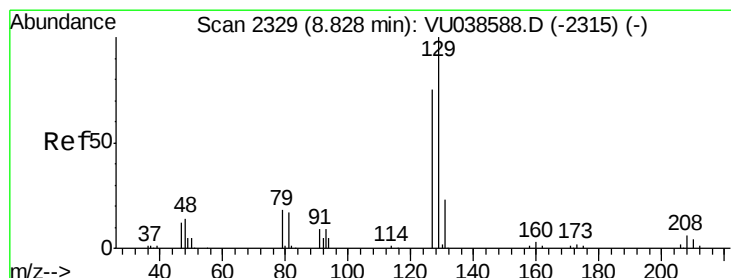
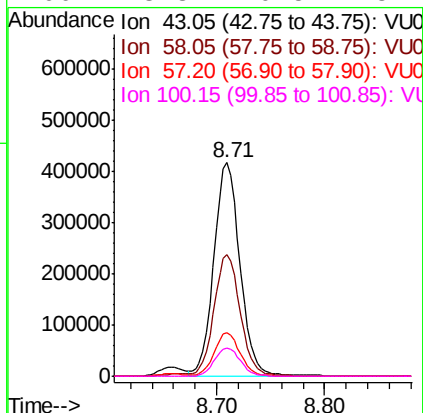
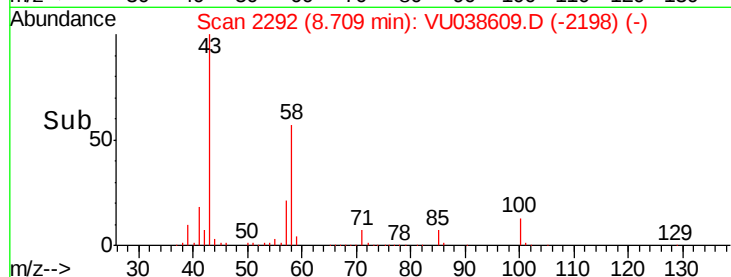
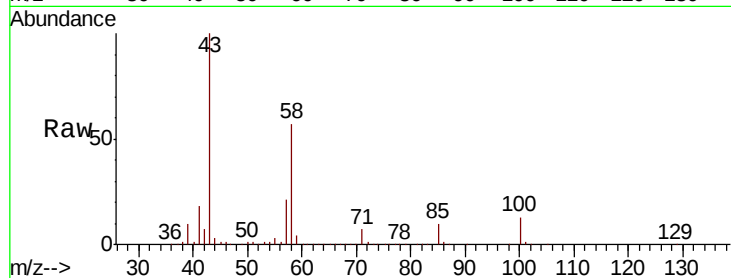




#48
2-Hexanone
Concen: 55.961 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038609.D
Acq: 06 Jun 2020 11:21

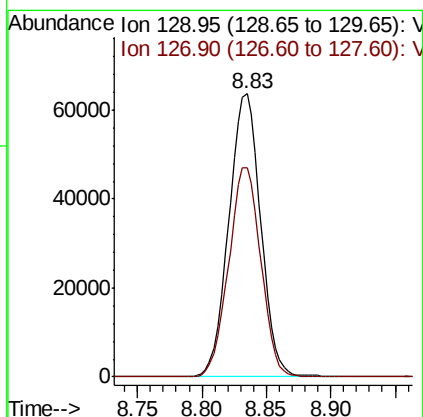
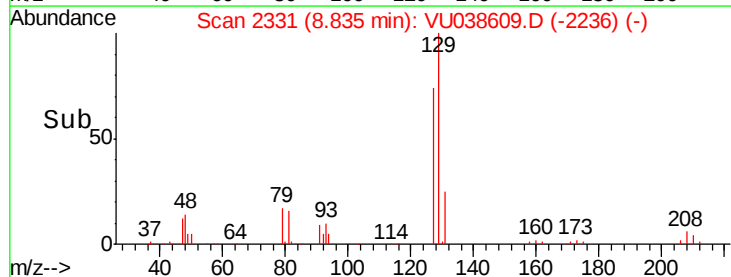
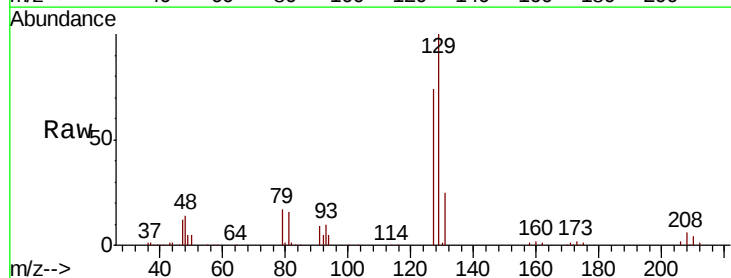
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

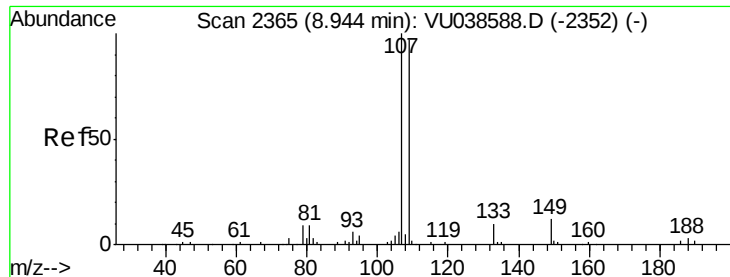
Tot Ion: 43 Resp: 700774
Ion Ratio Lower Upper
43 100
58 57.4 45.4 68.0
57 20.2 15.9 23.9
100 13.3 10.5 15.7



#49
Dibromochloromethane
Concen: 5.792 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. 0.01 min
Lab File: VU038609.D
Acq: 06 Jun 2020 11:21

Tgt Ion: 129 Resp: 109046
Ion Ratio Lower Upper
129 100
127 73.8 53.3 99.1

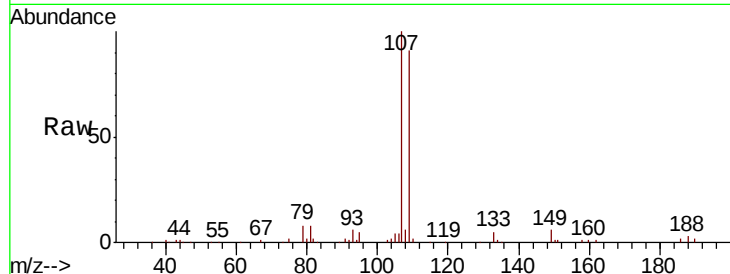




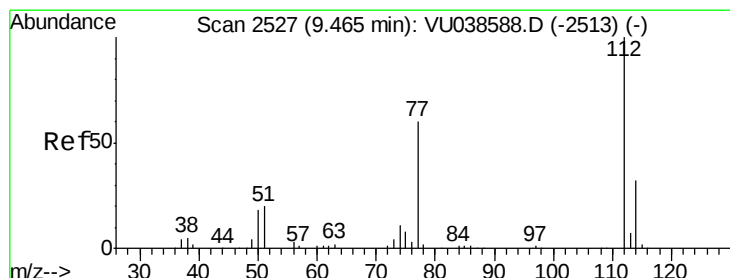
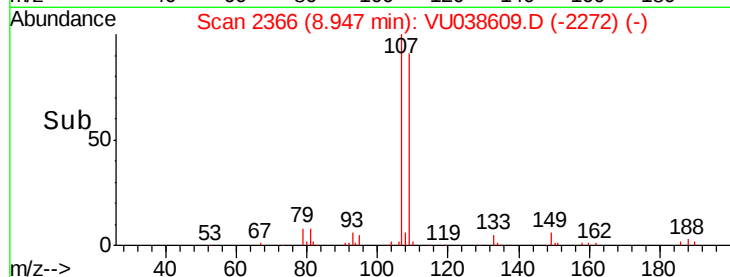
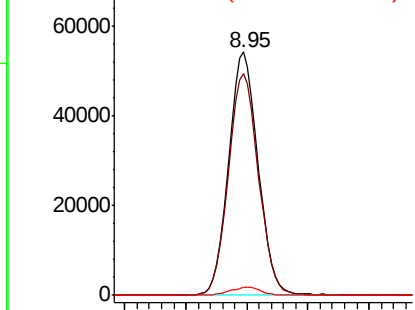
#50
 1,2-Dibromoethane
 Concen: 5.461 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU038609.D
 Acq: 06 Jun 2020 11:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.9	67.0	124.4
188	3.3	3.0	4.4

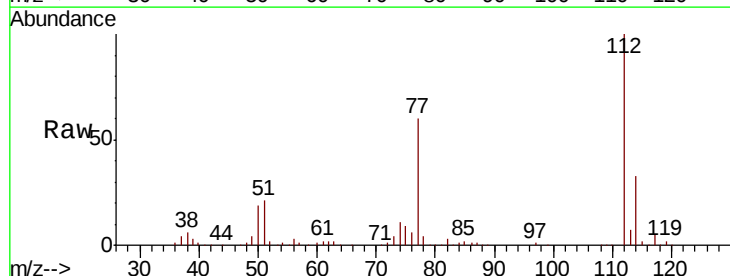


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

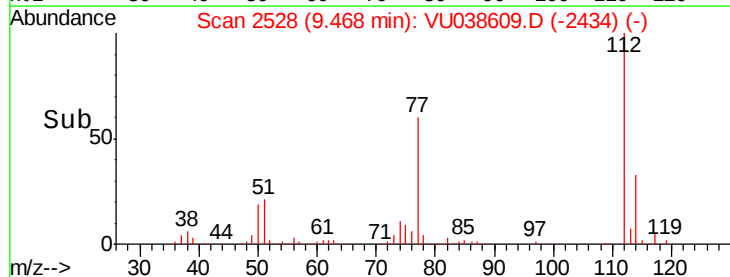
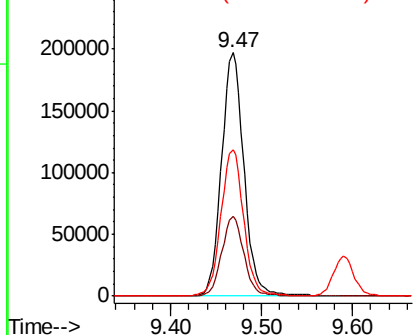


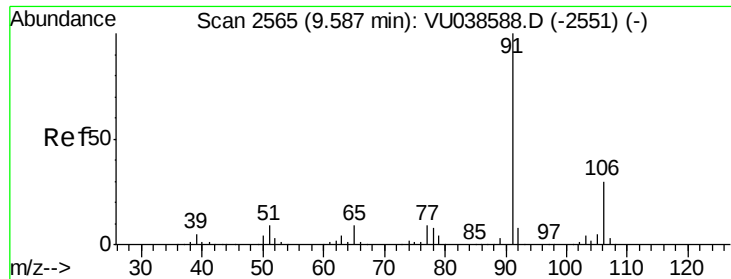
#51
 Chlorobenzene
 Concen: 5.423 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU038609.D
 Acq: 06 Jun 2020 11:21

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.4	41.6
77	60.3	47.1	70.7



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

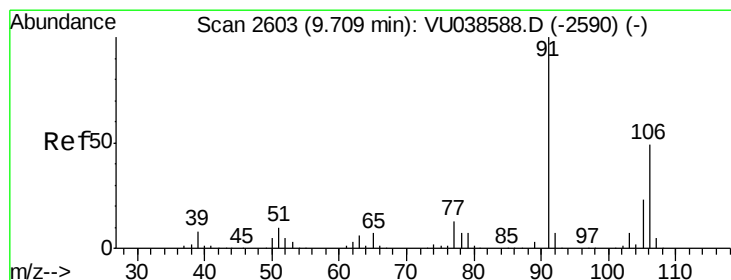
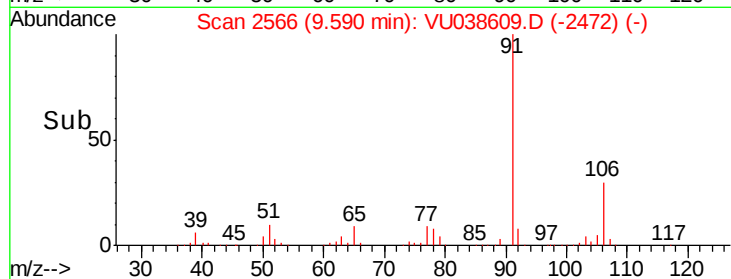
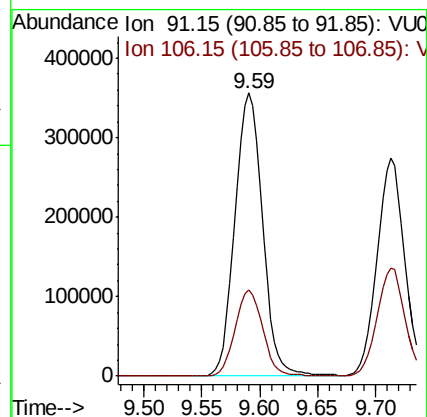
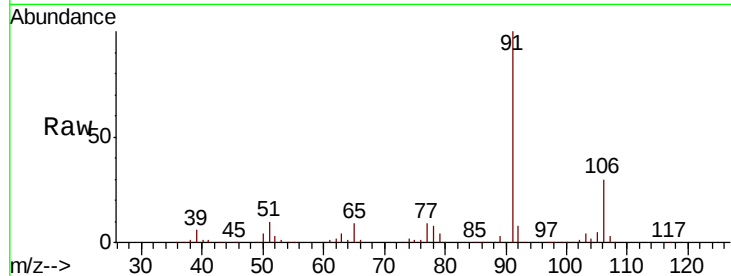




#52
Ethylbenzene
Concen: 5.470 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU038609.D
Acq: 06 Jun 2020 11:21

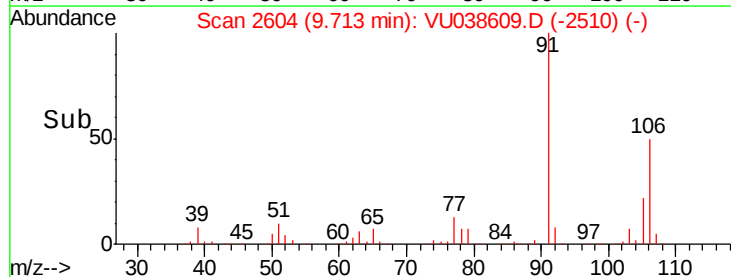
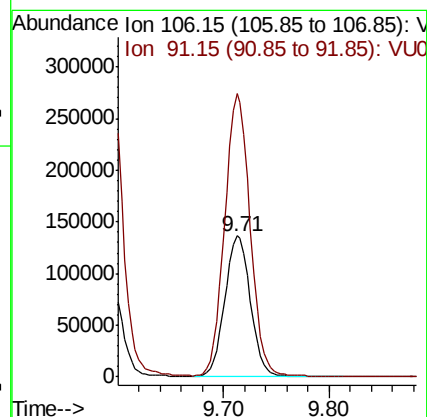
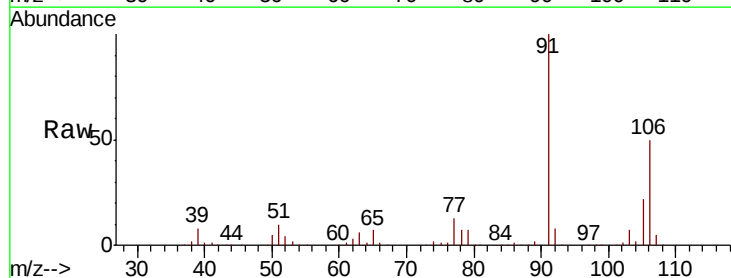
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

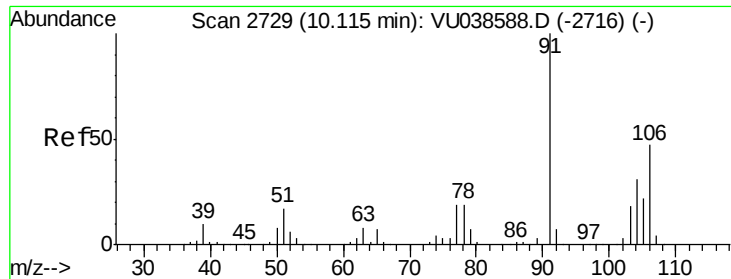
Tot Ion: 91 Resp: 586561
Ion Ratio Lower Upper
91 100
106 30.3 21.7 40.3



#53
m,p-Xylene
Concen: 5.566 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU038609.D
Acq: 06 Jun 2020 11:21

Tgt Ion: 106 Resp: 229542
Ion Ratio Lower Upper
106 100
91 201.2 138.1 256.5





#54

o-Xylene

Concen: 5.591 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU038609.D

Acq: 06 Jun 2020 11:21

Instrument :

MSVOA_U

ClientSampleId :

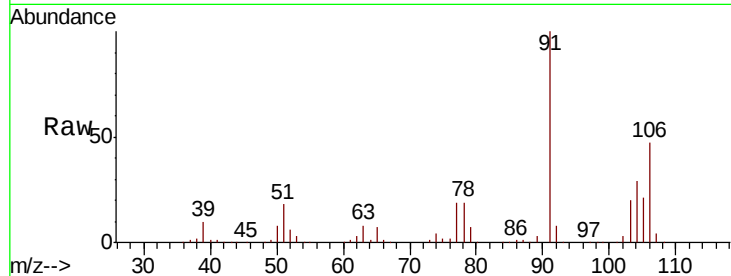
VSTD00514

Tot Ion:106 Resp: 221317

Ion Ratio Lower Upper

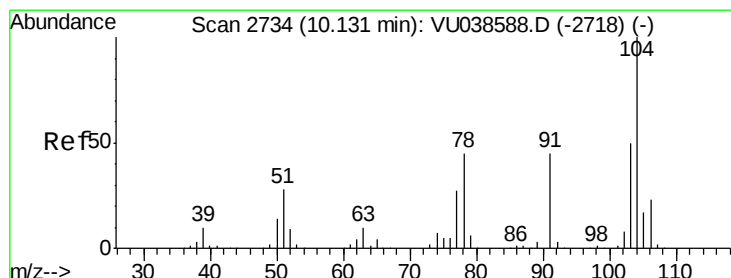
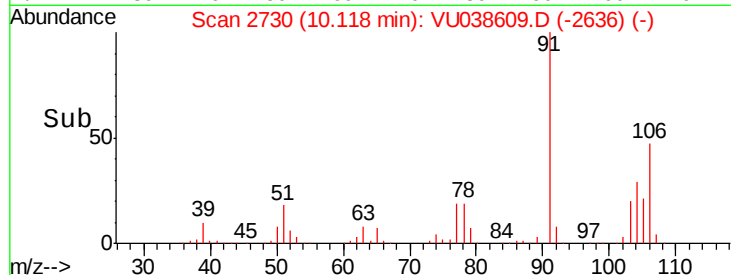
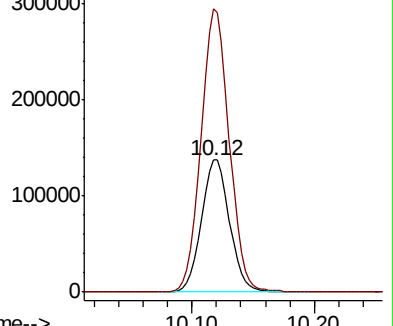
106 100

91 213.9 150.6 279.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.723 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VU038609.D

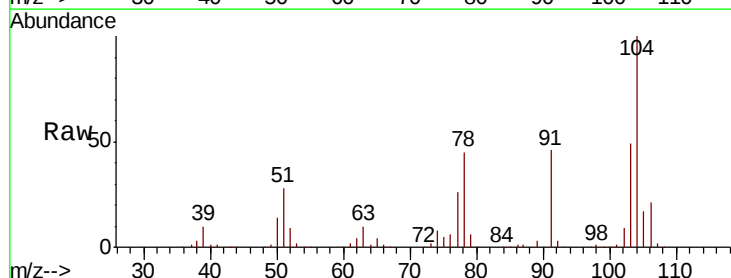
Acq: 06 Jun 2020 11:21

Tgt Ion:104 Resp: 384552

Ion Ratio Lower Upper

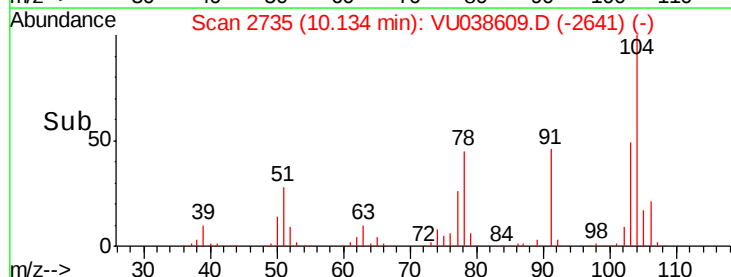
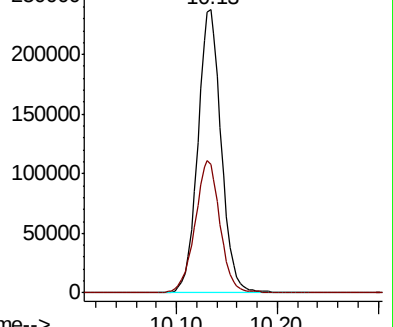
104 100

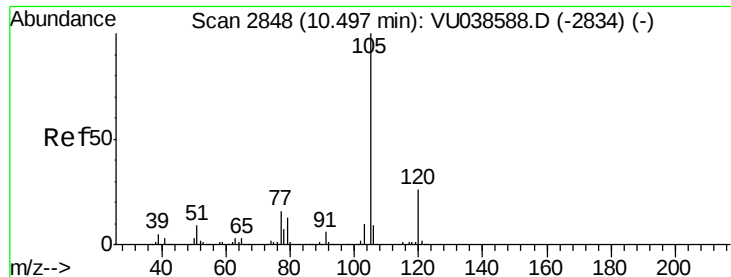
78 45.3 31.9 59.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.692 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038609.D

Acq: 06 Jun 2020 11:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

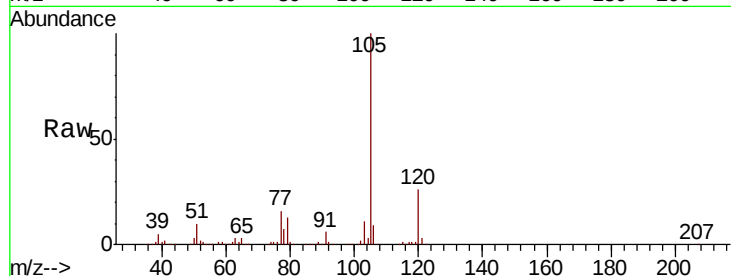
Tot Ion:105 Resp: 593084

Ion Ratio Lower Upper

105 100

120 25.8 20.7 31.1

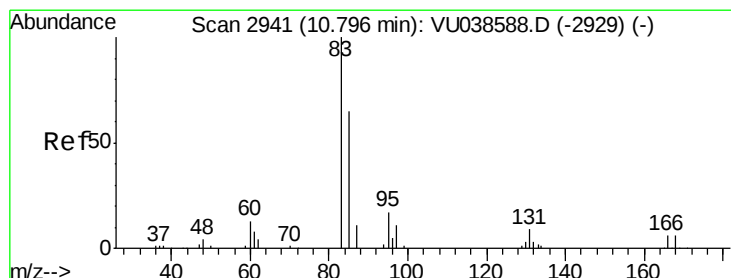
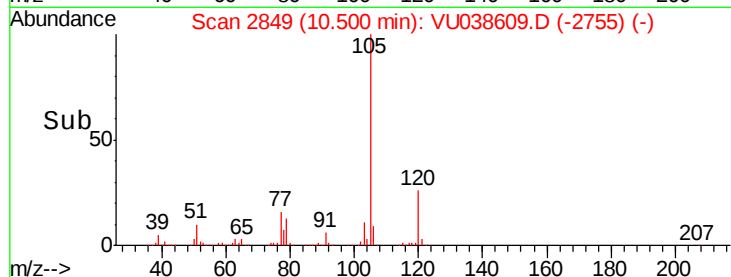
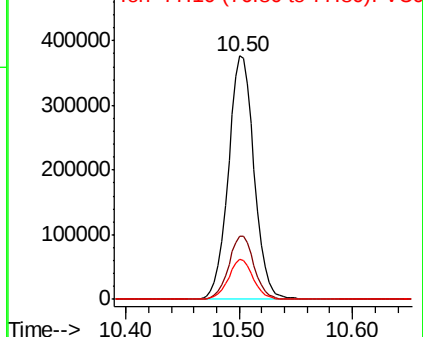
77 15.9 12.5 18.7



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: 5.604 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038609.D

Acq: 06 Jun 2020 11:21

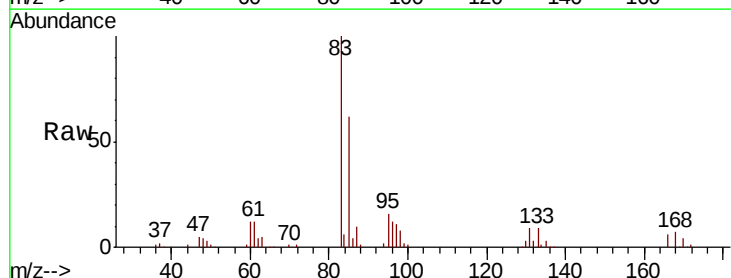
Tgt Ion: 83 Resp: 124231

Ion Ratio Lower Upper

83 100

85 61.9 44.2 82.0

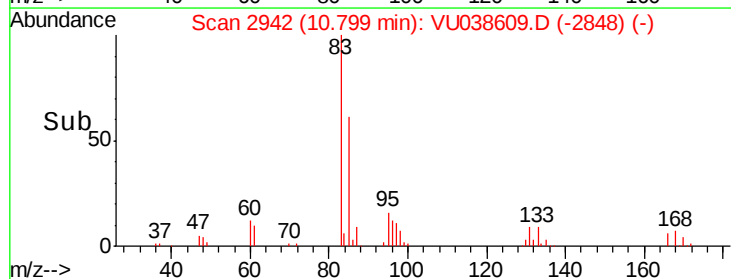
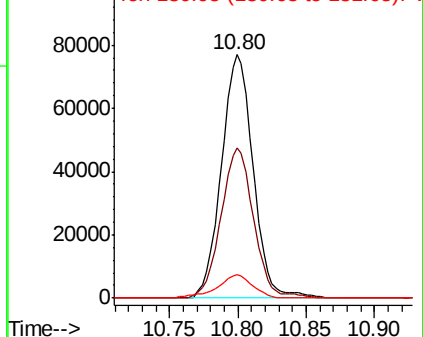
131 9.5 8.1 12.1

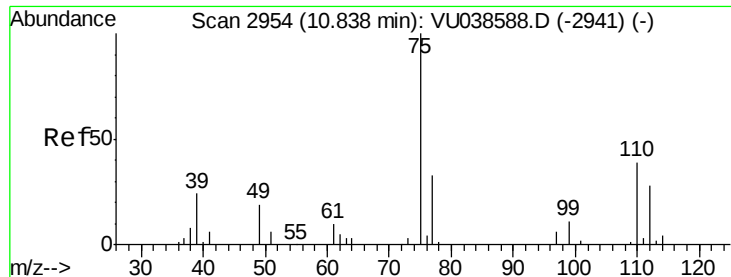


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

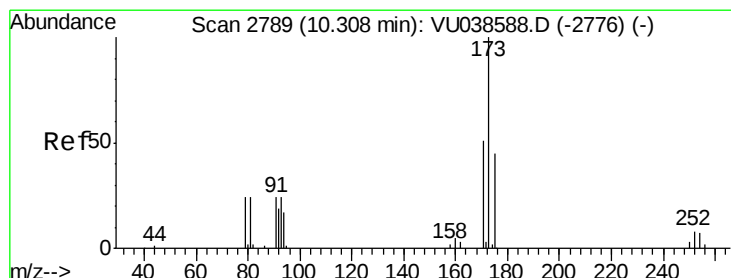
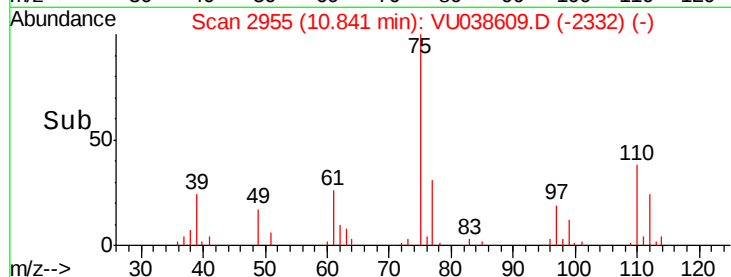
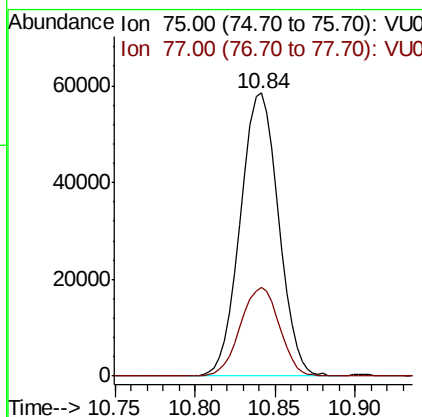
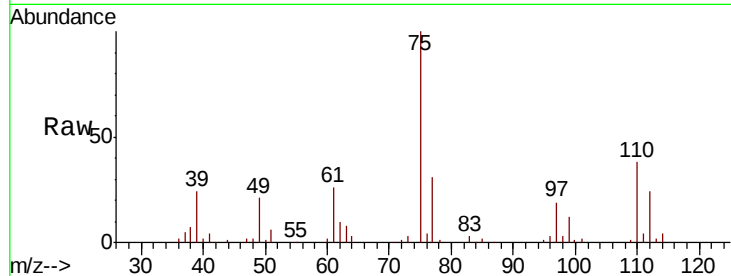




#59
 1,2,3-Trichloropropane
 Concen: 5.535 ug/L
 RT: 10.84 min Scan# 2955
 Delta R.T. 0.00 min
 Lab File: VU038609.D
 Acq: 06 Jun 2020 11:21

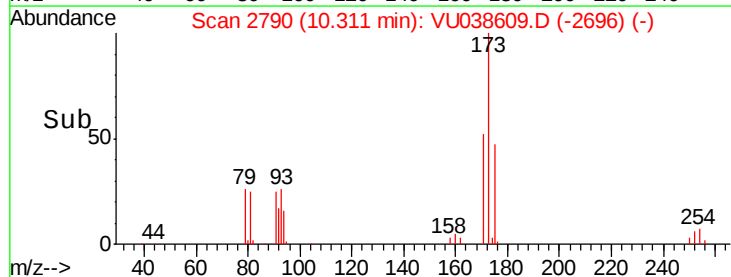
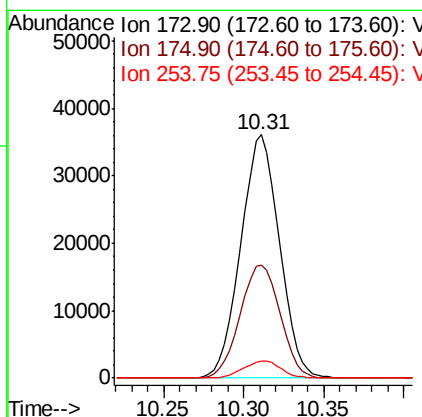
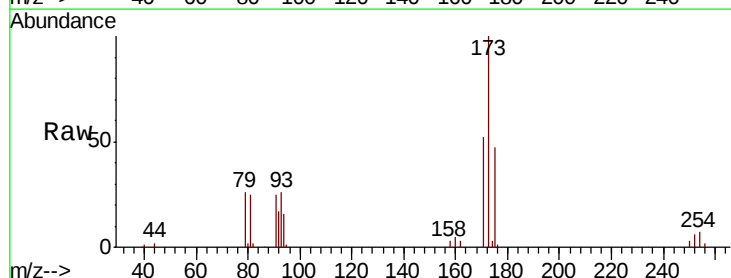
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

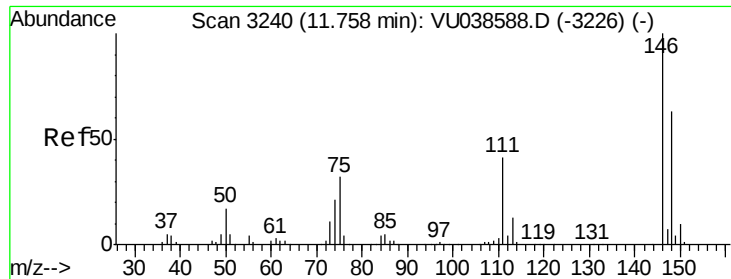
Tot Ion: 75 Resp: 95514
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.4 38.2



#61
 Bromoform
 Concen: 5.468 ug/L
 RT: 10.31 min Scan# 2790
 Delta R.T. 0.00 min
 Lab File: VU038609.D
 Acq: 06 Jun 2020 11:21

Tgt Ion: 173 Resp: 59594
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.7 58.1
 254 6.8 5.4 8.2

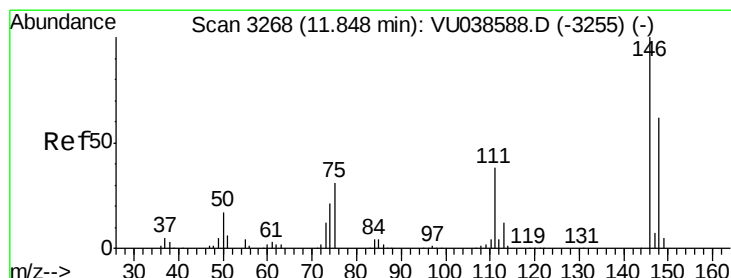
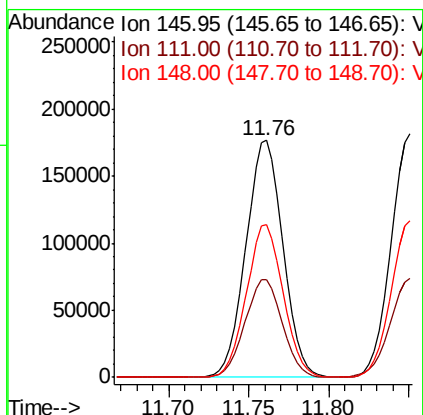
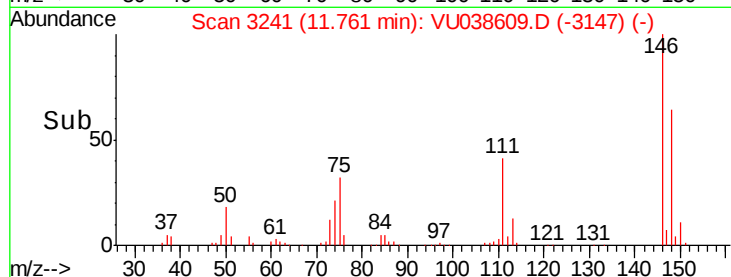
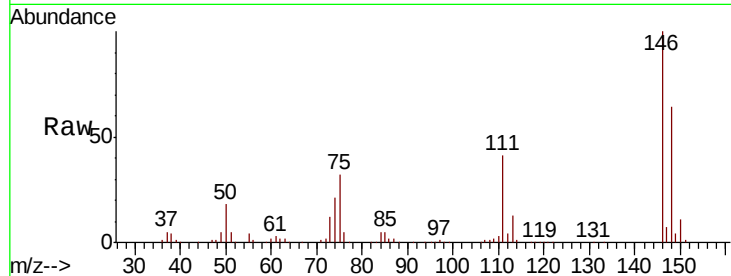




#62
 1,3-Dichlorobenzene
 Concen: 5.457 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU038609.D
 Acq: 06 Jun 2020 11:21

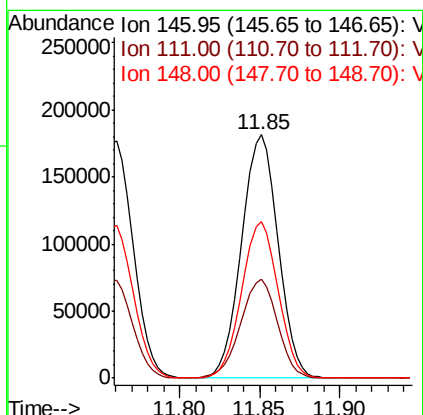
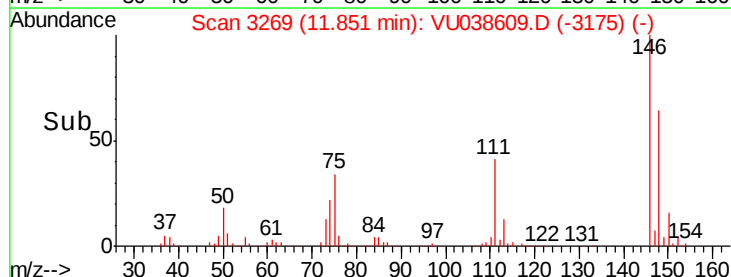
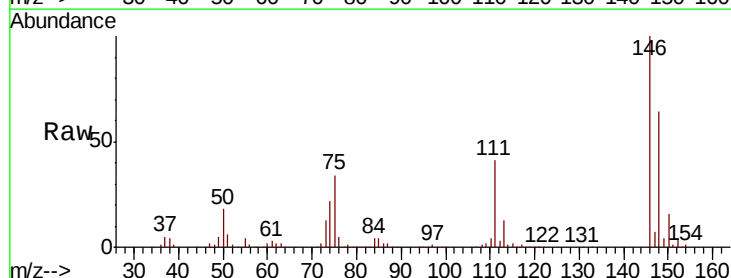
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

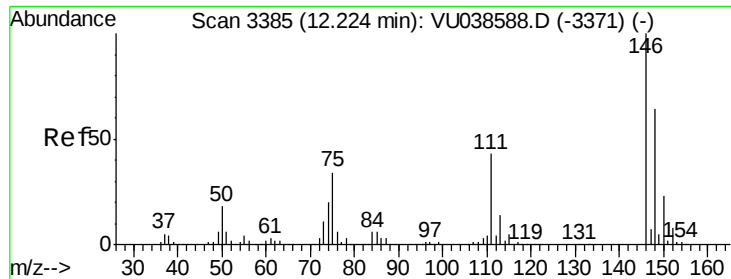
Tot Ion:146 Resp: 280502
 Ion Ratio Lower Upper
 146 100
 111 41.1 29.5 54.9
 148 64.3 45.6 84.6



#63
 1,4-Dichlorobenzene
 Concen: 5.408 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU038609.D
 Acq: 06 Jun 2020 11:21

Tgt Ion:146 Resp: 281901
 Ion Ratio Lower Upper
 146 100
 111 40.6 27.6 51.2
 148 64.4 44.8 83.2





#65

1,2-Dichlorobenzene

Concen: 5.465 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU038609.D

Acq: 06 Jun 2020 11:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

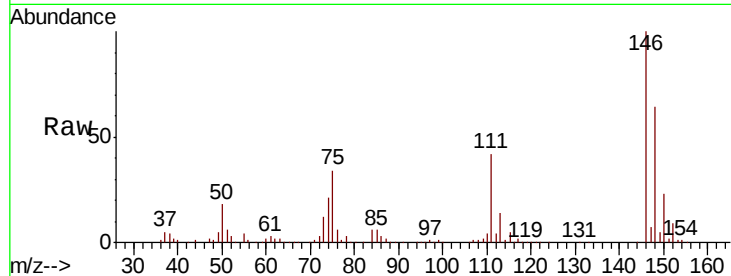
Tot Ion:146 Resp: 266748

Ion Ratio Lower Upper

146 100

111 42.5 35.1 52.7

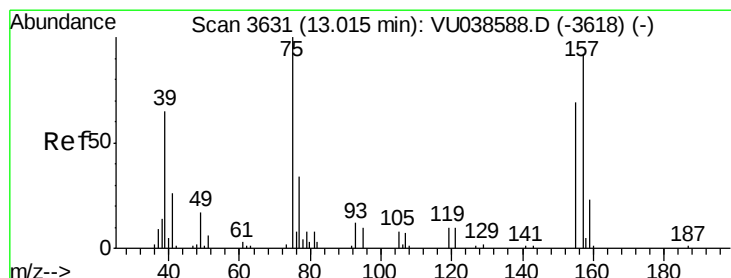
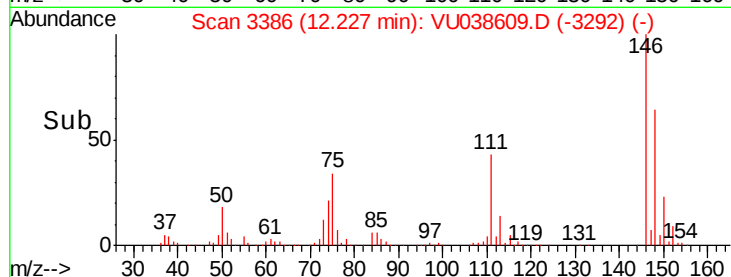
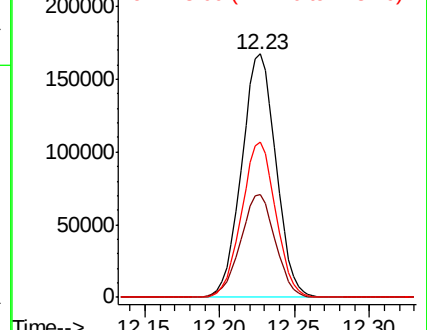
148 63.6 50.9 76.3



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: 5.437 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. 0.01 min

Lab File: VU038609.D

Acq: 06 Jun 2020 11:21

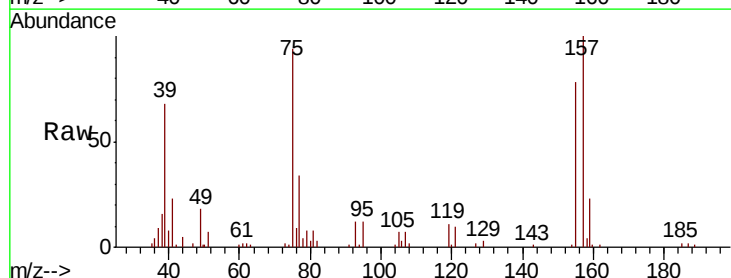
Tgt Ion: 75 Resp: 21484

Ion Ratio Lower Upper

75 100

155 83.2 59.6 89.4

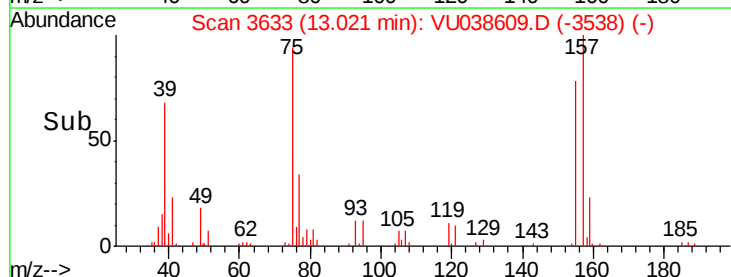
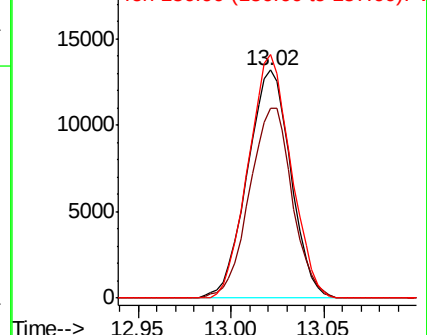
157 106.9 79.8 119.6

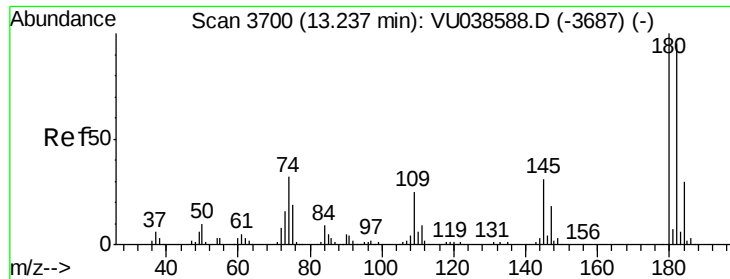


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

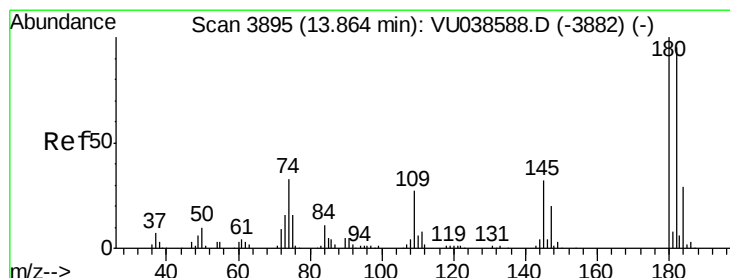
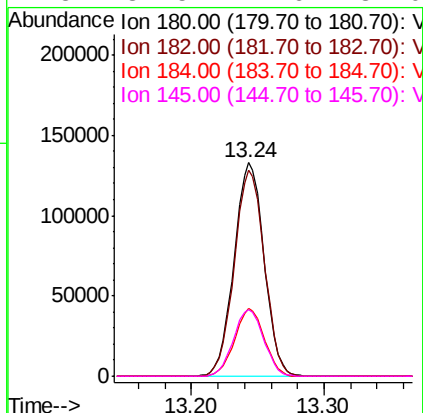
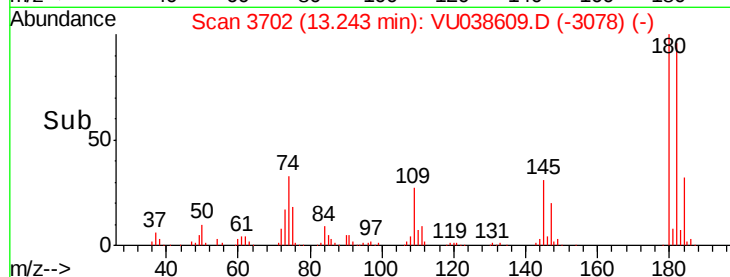
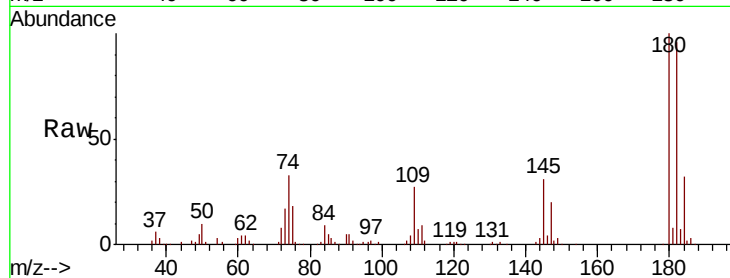




#67
 1,3,5-Trichlorobenzene
 Concen: 5.446 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.01 min
 Lab File: VU038609.D
 Acq: 06 Jun 2020 11:21

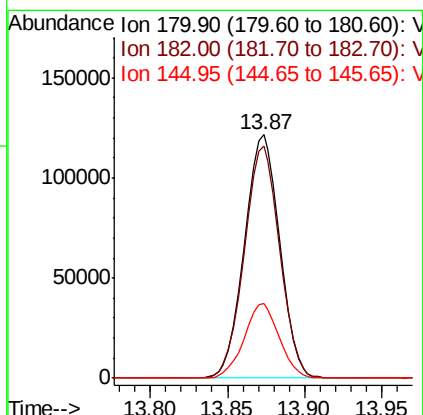
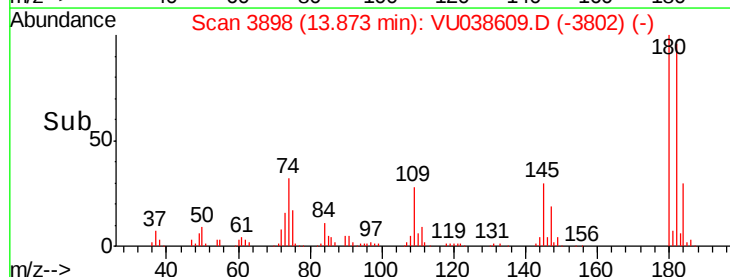
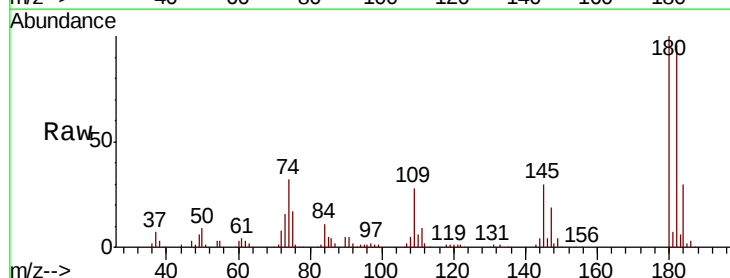
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

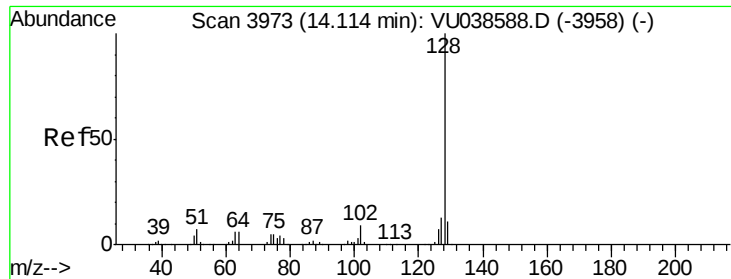
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.8	115.2
184	31.4	25.1	37.7
145	31.5	24.6	37.0



#68
 1,2,4-trichlorobenzene
 Concen: 5.443 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.01 min
 Lab File: VU038609.D
 Acq: 06 Jun 2020 11:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.8	113.8
145	30.3	25.3	37.9





#69

Naphthalene

Concen: 5.400 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. 0.01 min

Lab File: VU038609.D

Acq: 06 Jun 2020 11:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

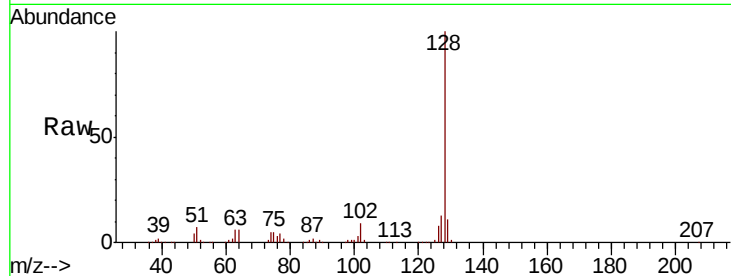
Tot Ion:128 Resp: 381458

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

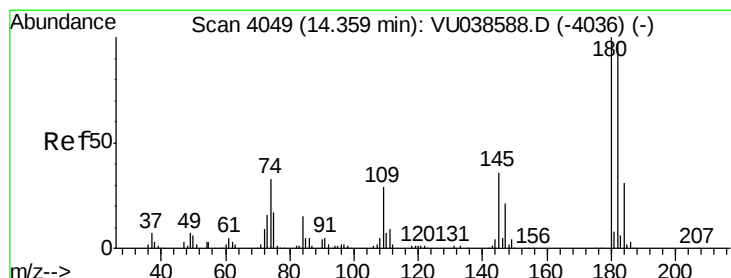
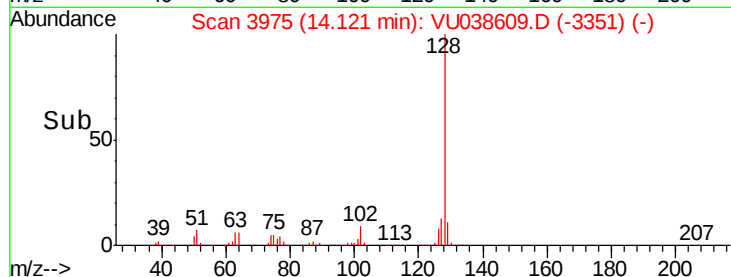
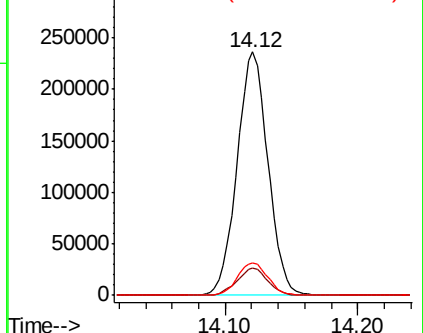
127 13.3 10.2 15.4



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: 5.523 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. 0.01 min

Lab File: VU038609.D

Acq: 06 Jun 2020 11:21

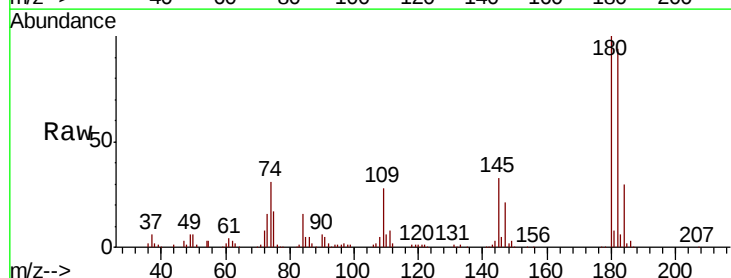
Tgt Ion:180 Resp: 178362

Ion Ratio Lower Upper

180 100

182 94.5 78.7 118.1

145 33.5 27.5 41.3



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

