

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061520\
 Data File : VU038915.D
 Acq On : 16 Jun 2020 00:27
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Quant Time: Jun 16 02:03:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 16 01:57:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	265045	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	335057	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	131788	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	63287	4.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.00%
7) Chloroethane-d5	1.93	69	63507	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.59	63	155187	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.80%
20) 2-Butanone-d5	4.68	46	246762	51.63	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.26%
24) Chloroform-d	5.10	84	163821	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.74	65	93423	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.76	84	302255	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.00%
36) 1,2-Dichloropropane-d6	6.72	67	94195	4.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.00%
41) Toluene-d8	7.92	98	271824	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.60%
43) trans-1,3-Dichloropropene-	8.20	79	40436	3.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.60%
46) 2-Hexanone-d5	8.66	63	206521	40.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.54%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	94580	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	106941	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	112309	4.354	ug/L 98
3) Chloromethane	1.53	50	104585	4.860	ug/L 99
5) Vinyl chloride	1.62	62	112066	4.936	ug/L 100
6) Bromomethane	1.87	94	66693	4.783	ug/L 97
8) Chloroethane	1.95	64	84352	4.998	ug/L 100
9) Trichlorofluoromethane	2.16	101	183769	4.660	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	85546	4.374	ug/L 98
12) 1,1-Dichloroethene	2.60	96	90768	4.846	ug/L 95
13) Acetone	2.68	43	151869	38.827	ug/L 79
14) Carbon disulfide	2.82	76	289252	4.652	ug/L 99
15) Methyl Acetate	2.99	43	43714	4.581	ug/L 97
16) Methylene chloride	3.08	84	107852	5.008	ug/L 95
17) Methyl tert-butyl Ether	3.40	73	238824	4.997	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	96795	4.878	ug/L 99
19) 1,1-Dichloroethane	3.91	63	183992	5.058	ug/L 99
21) 2-Butanone	4.76	43	326242	51.308	ug/L 100
22) cis-1,2-Dichloroethene	4.71	96	103089	4.968	ug/L 96

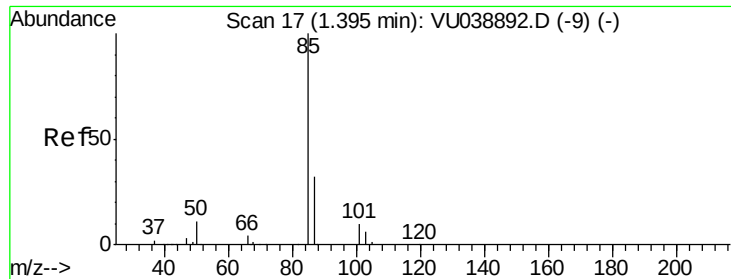
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061520\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	50540	5.144	ug/L	95
25) Chloroform	5.13	83	187927	4.957	ug/L	96
27) 1,2-Dichloroethane	5.83	62	136207	5.061	ug/L	96
29) 1,1,1-Trichloroethane	5.35	97	160530	3.868	ug/L	99
30) Cyclohexane	5.42	56	128062	3.425	ug/L	99
31) Carbon tetrachloride	5.56	117	132764	3.759	ug/L	98
33) Benzene	5.81	78	398369	4.003	ug/L	100
34) Trichloroethene	6.57	95	99271	3.820	ug/L	96
35) Methylcyclohexane	6.79	83	127691	3.298	ug/L	100
37) 1,2-Dichloropropane	6.82	63	103240	4.020	ug/L	100
38) Bromodichloromethane	7.13	83	134495	3.983	ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	141924	3.864	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	725888	41.440	ug/L	100
42) Toluene	7.99	91	409859	3.907	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	132824	3.954	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	81131	4.133	ug/L	98
47) Tetrachloroethene	8.57	164	72187	3.624	ug/L	97
48) 2-Hexanone	8.71	43	587266	42.291	ug/L	99
49) Dibromochloromethane	8.83	129	92629	4.067	ug/L	96
50) 1,2-Dibromoethane	8.94	107	80712	4.242	ug/L	99
51) Chlorobenzene	9.47	112	336372	4.928	ug/L	99
52) Ethylbenzene	9.59	91	555965	4.764	ug/L	98
53) m,p-Xylene	9.71	106	207726	4.737	ug/L	98
54) o-Xylene	10.12	106	201540	4.777	ug/L	99
55) Styrene	10.13	104	361960	4.939	ug/L	100
56) Isopropylbenzene	10.50	105	425083	3.879	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	108917	4.328	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	83154	4.202	ug/L	99
61) Bromoform	10.31	173	59536	5.927	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	202131	4.865	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	208744	4.960	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	201925	4.891	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	17271	4.724	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	145256	4.640	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	132579	5.056	ug/L	100
69) Naphthalene	14.11	128	249950	5.070	ug/L	98
70) 1,2,3-Trichlorobenzene	14.36	180	125532	5.116	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.354 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038915.D

Acq: 16 Jun 2020 00:27

Instrument :

MSVOA_U

ClientSampleId :

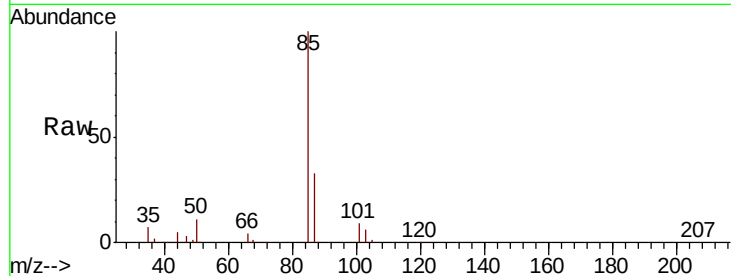
VSTD00525

Tot Ion: 85 Resp: 112309

Ion Ratio Lower Upper

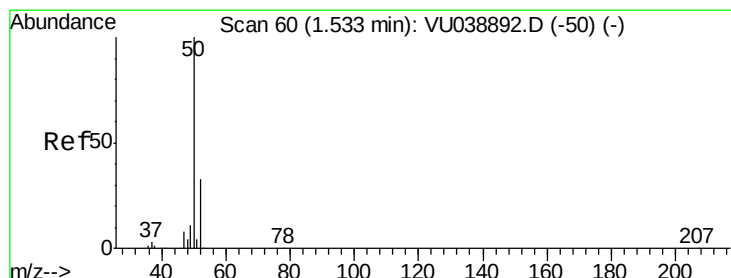
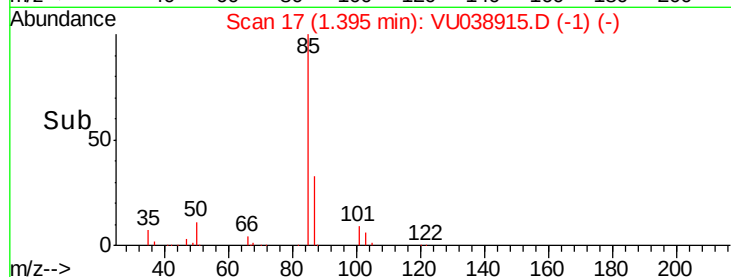
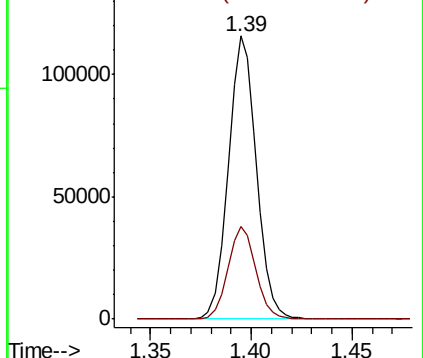
85 100

87 32.4 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VU038892.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038892.D (-9) (-)



#3

Chloromethane

Concen: 4.860 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038915.D

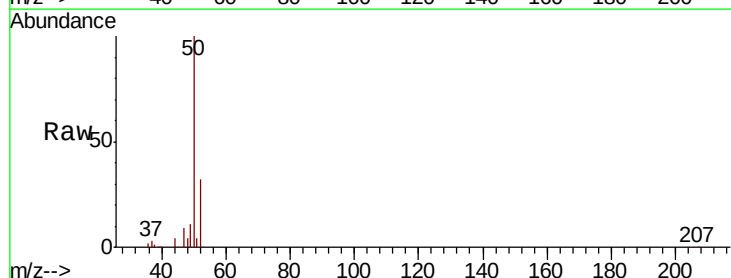
Acq: 16 Jun 2020 00:27

Tgt Ion: 50 Resp: 104585

Ion Ratio Lower Upper

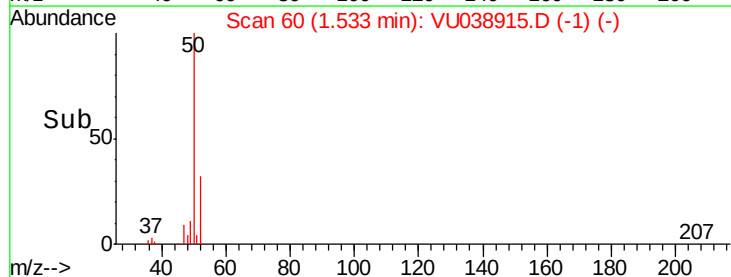
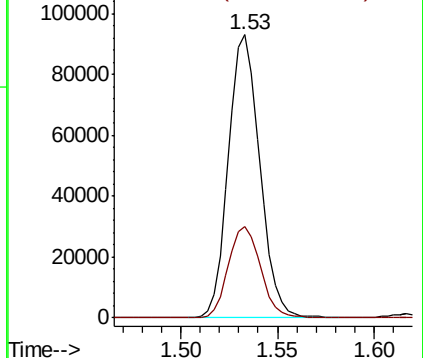
50 100

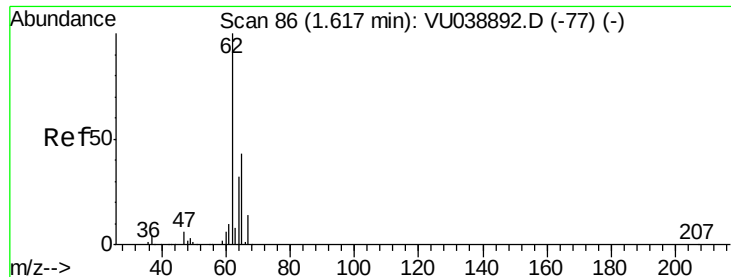
52 32.3 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU038892.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU038892.D (-50) (-)





#5

Vinyl chloride

Concen: 4.936 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038915.D

Acq: 16 Jun 2020 00:27

Instrument :

MSVOA_U

ClientSampleId :

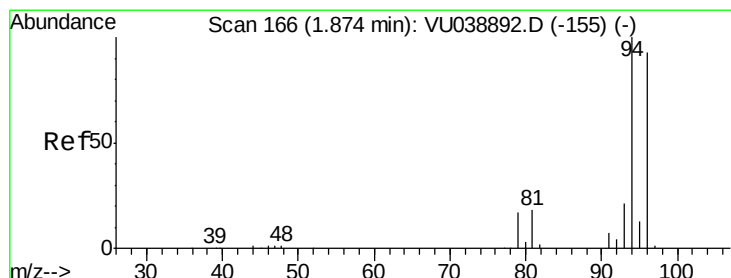
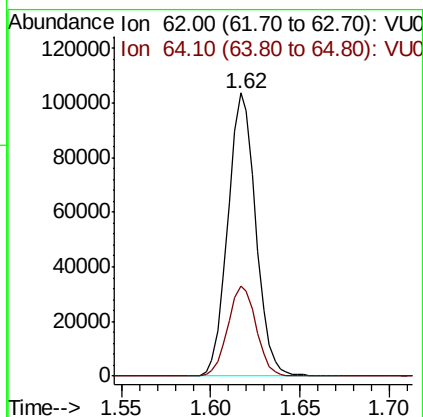
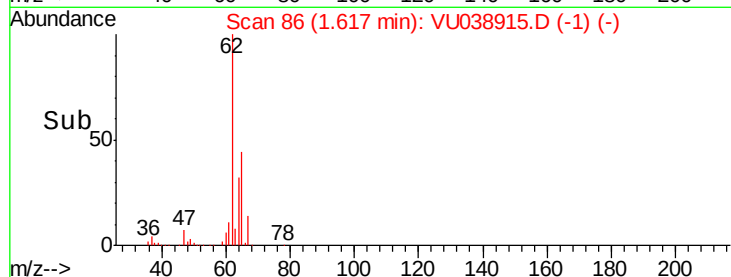
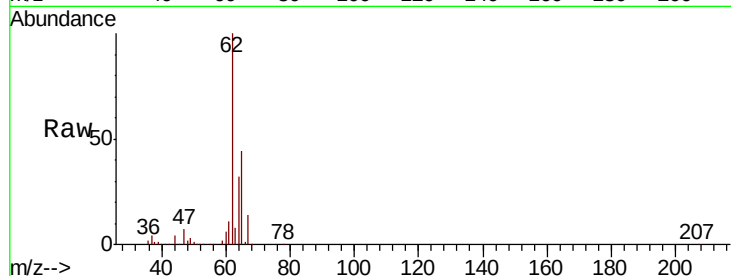
VSTD00525

Tot Ion: 62 Resp: 112066

Ion Ratio Lower Upper

62 100

64 31.8 22.2 41.2



#6

Bromomethane

Concen: 4.783 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU038915.D

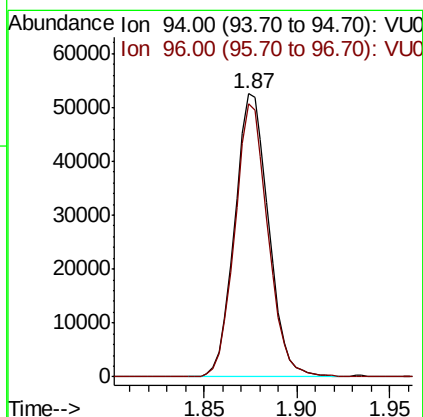
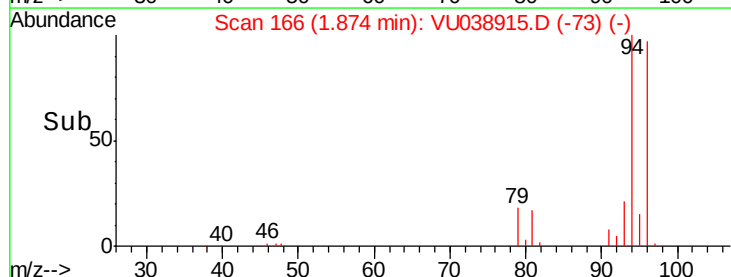
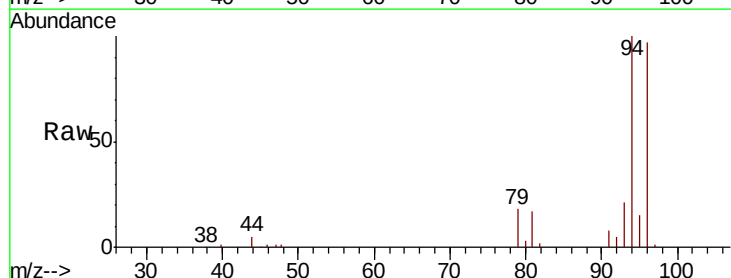
Acq: 16 Jun 2020 00:27

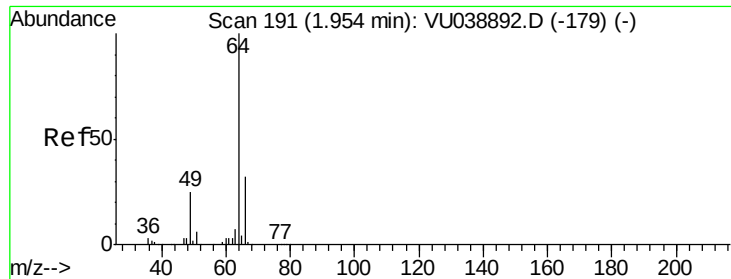
Tgt Ion: 94 Resp: 66693

Ion Ratio Lower Upper

94 100

96 96.6 65.5 121.7

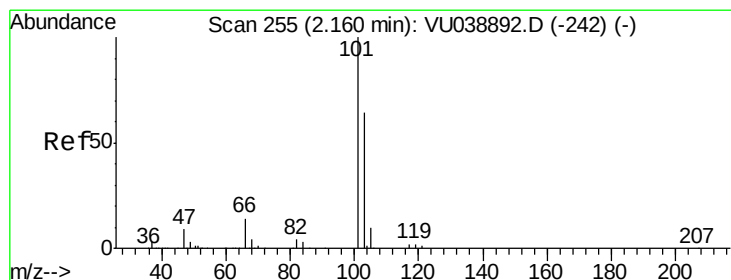
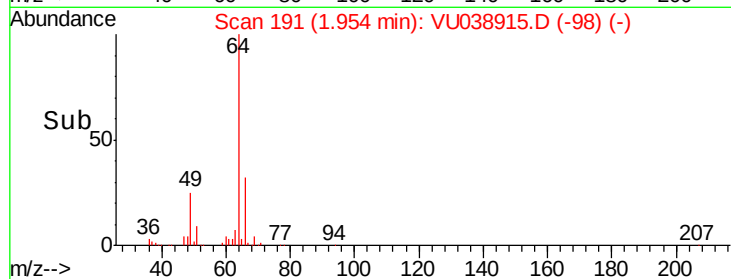
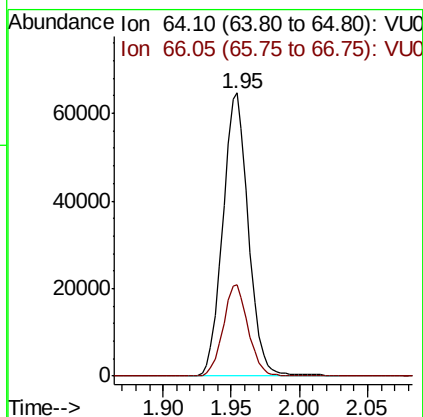
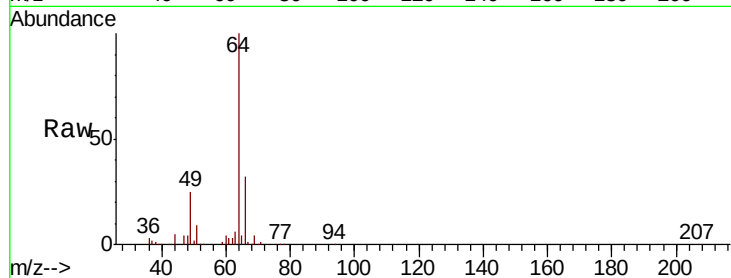




#8
Chloroethane
Concen: 4.998 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU038915.D
Acq: 16 Jun 2020 00:27

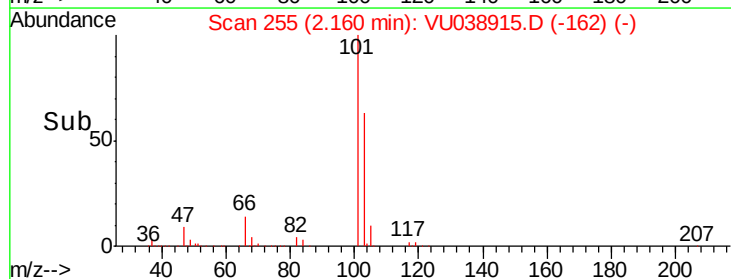
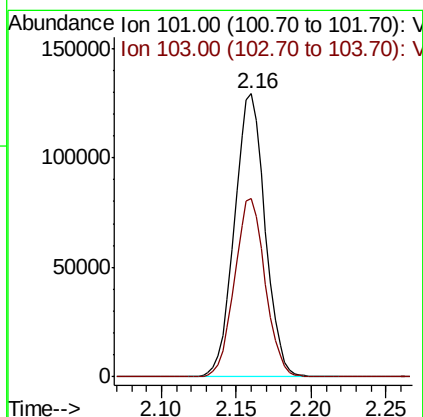
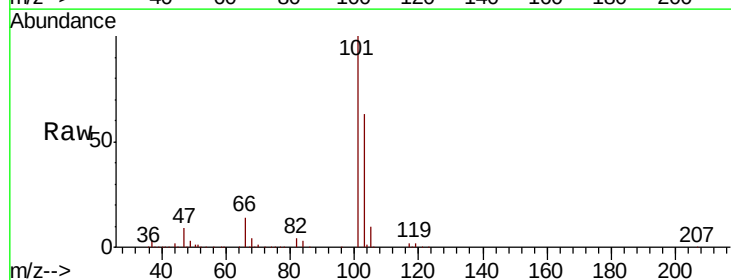
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

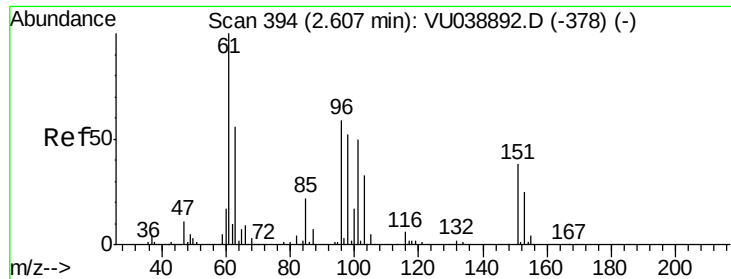
Tot Ion: 64 Resp: 84352
Ion Ratio Lower Upper
64 100
66 32.1 22.6 42.0



#9
Trichlorofluoromethane
Concen: 4.660 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU038915.D
Acq: 16 Jun 2020 00:27

Tgt Ion: 101 Resp: 183769
Ion Ratio Lower Upper
101 100
103 63.1 51.1 76.7





#10

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

Concen: 4.374 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038915.D

Acq: 16 Jun 2020 00:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

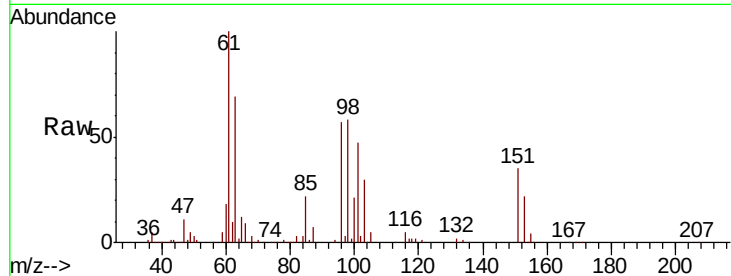
Tot Ion:101 Resp: 85546

Ion Ratio Lower Upper

101 100

85 44.3 35.3 52.9

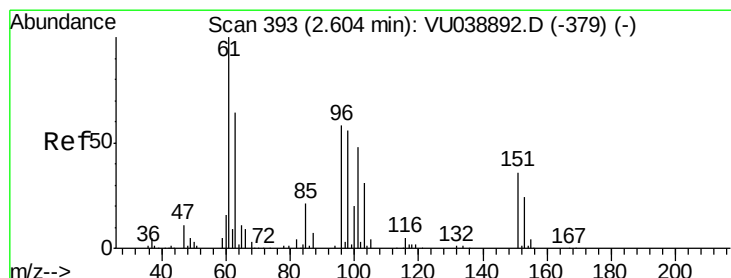
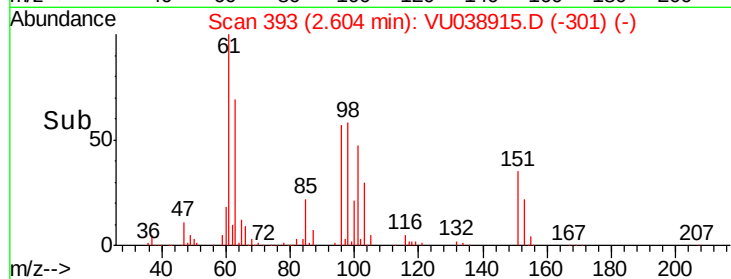
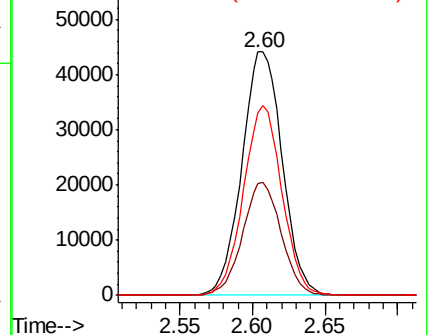
151 74.2 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.846 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038915.D

Acq: 16 Jun 2020 00:27

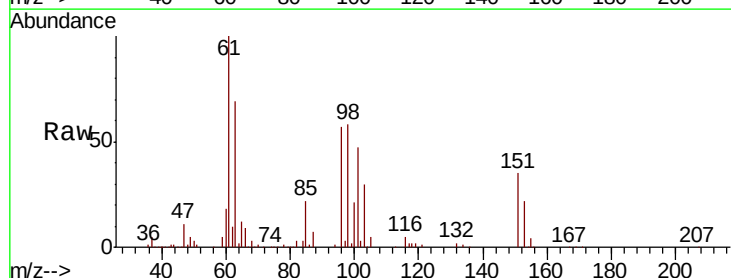
Tgt Ion: 96 Resp: 90768

Ion Ratio Lower Upper

96 100

61 174.2 124.9 232.1

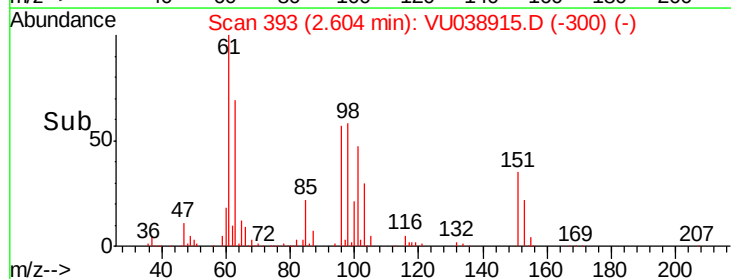
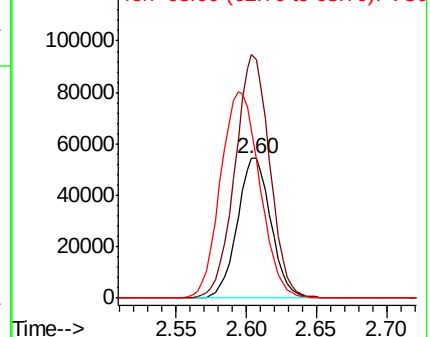
63 120.4 79.1 146.9

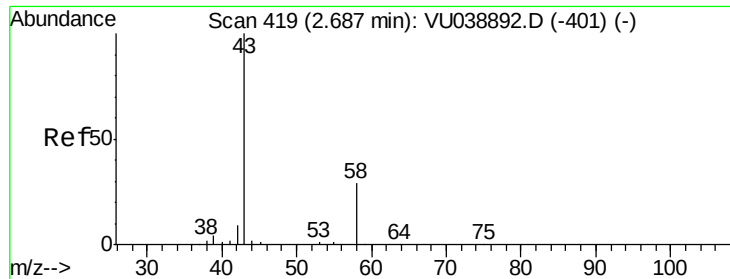


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 38.827 ug/L

RT: 2.68 min Scan# 418

Delta R.T. -0.00 min

Lab File: VU038915.D

Acq: 16 Jun 2020 00:27

Instrument :

MSVOA_U

ClientSampleId :

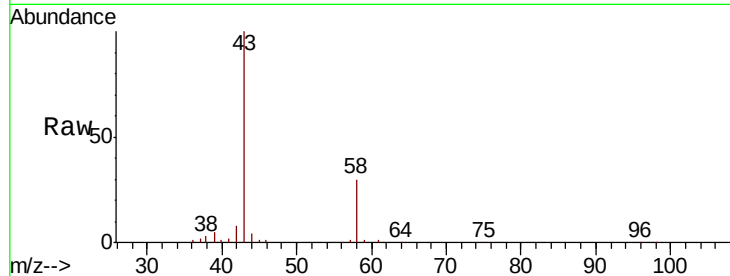
VSTD00525

Tot Ion: 43 Resp: 151869

Ion Ratio Lower Upper

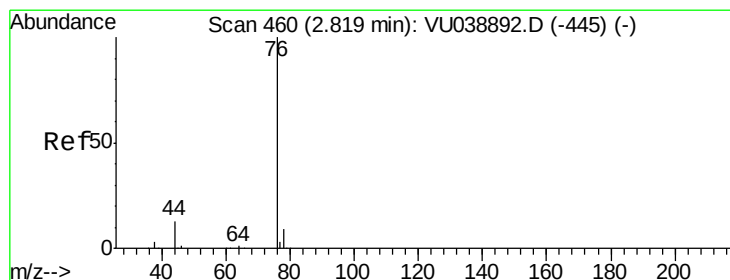
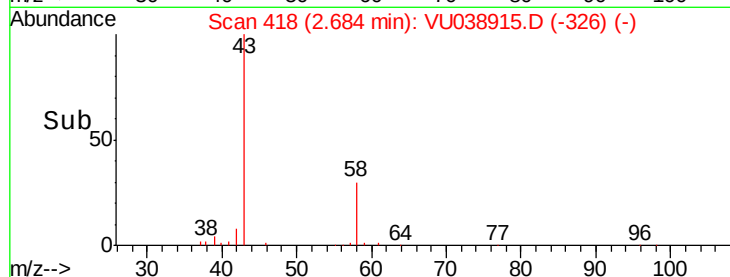
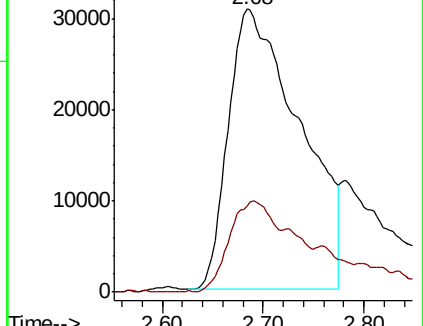
43 100

58 20.9 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038892.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU038892.D (-401) (-)



#14

Carbon disulfide

Concen: 4.652 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU038915.D

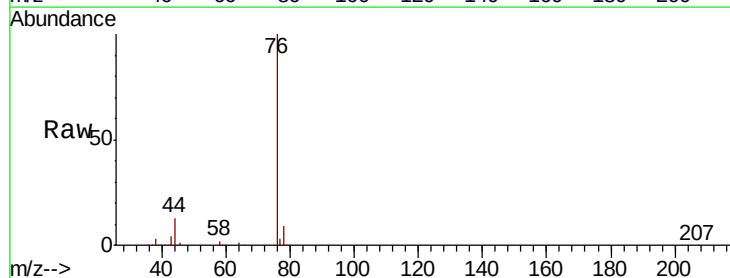
Acq: 16 Jun 2020 00:27

Tgt Ion: 76 Resp: 289252

Ion Ratio Lower Upper

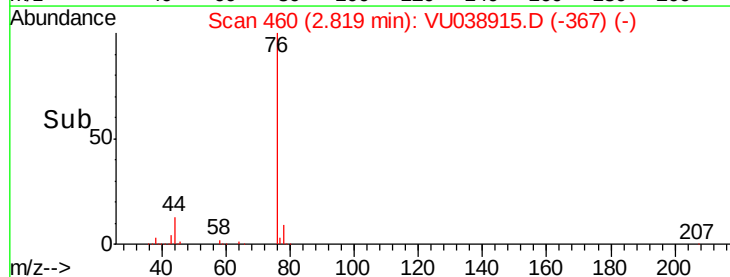
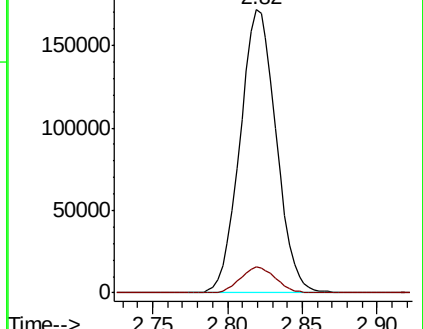
76 100

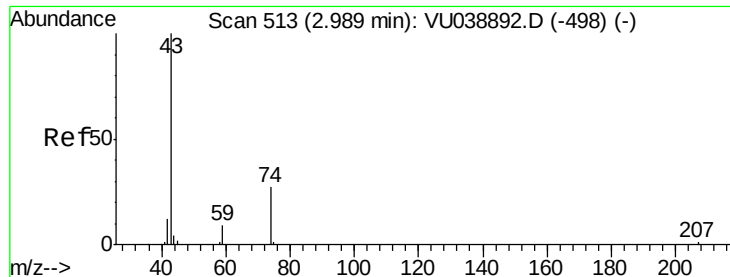
78 9.1 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU038892.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU038892.D (-445) (-)

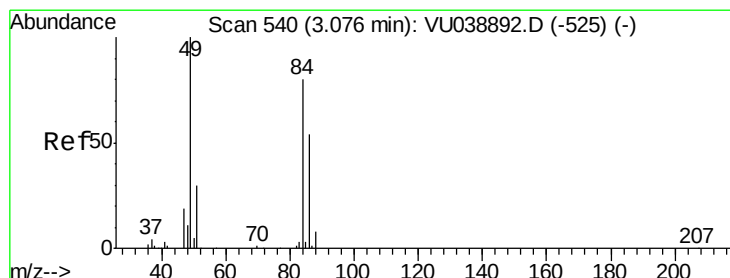
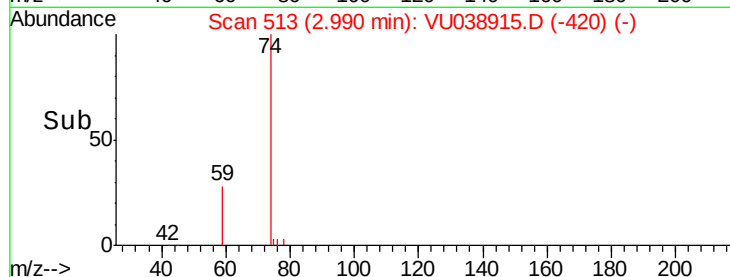
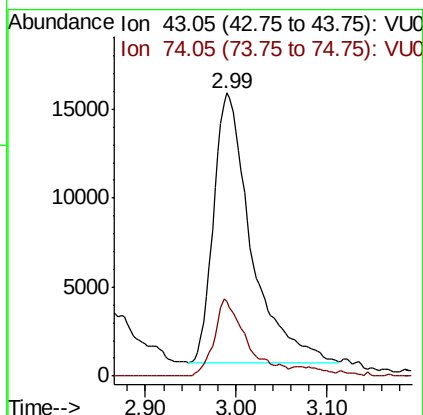
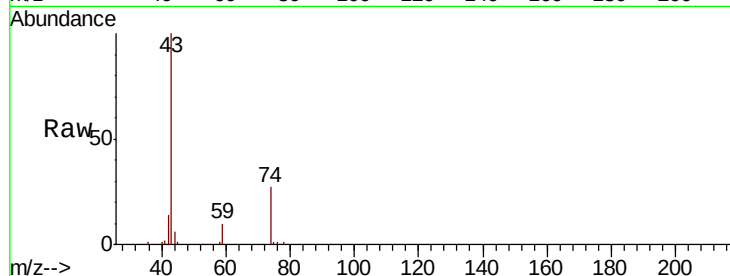




#15
Methyl Acetate
Concen: 4.581 ug/L
RT: 2.99 min Scan# 513
Delta R.T. 0.00 min
Lab File: VU038915.D
Acq: 16 Jun 2020 00:27

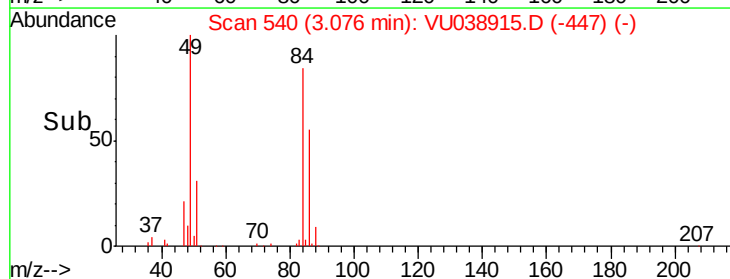
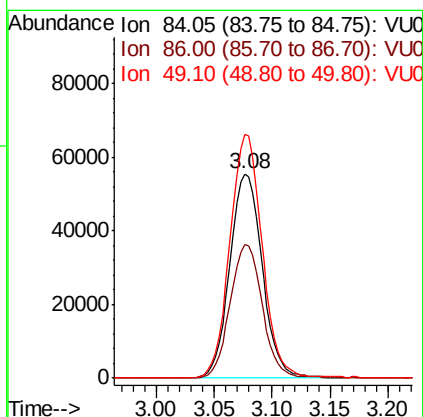
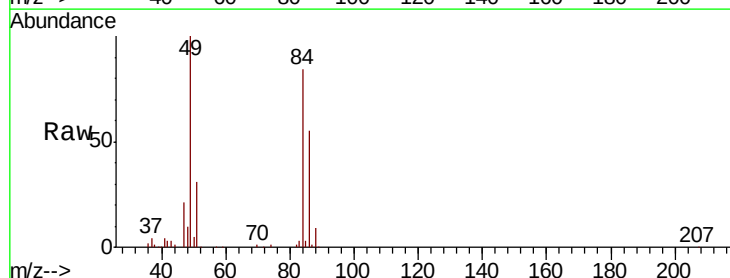
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

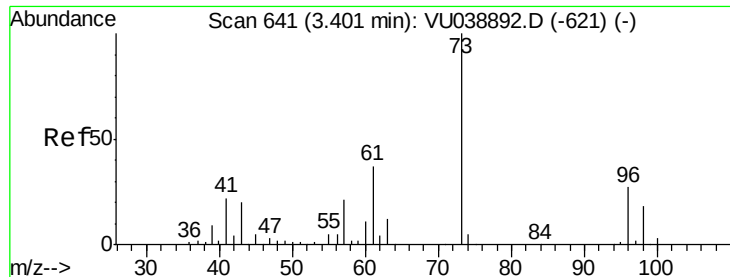
Tot Ion: 43 Resp: 43714
Ion Ratio Lower Upper
43 100
74 23.2 19.7 29.5



#16
Methylene chloride
Concen: 5.008 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038915.D
Acq: 16 Jun 2020 00:27

Tgt Ion: 84 Resp: 107852
Ion Ratio Lower Upper
84 100
86 65.2 47.9 89.1
49 119.2 88.4 164.2

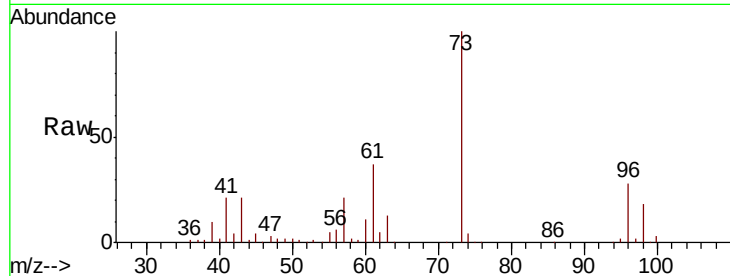




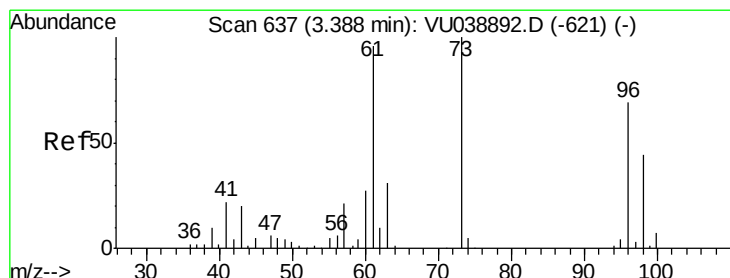
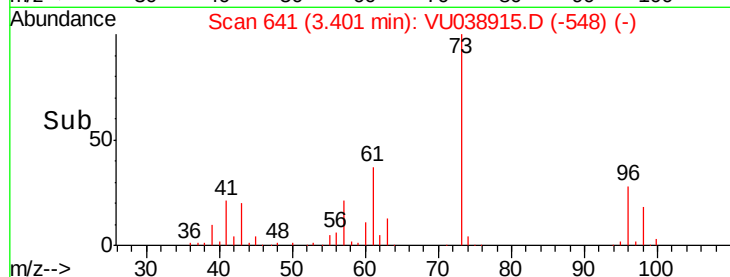
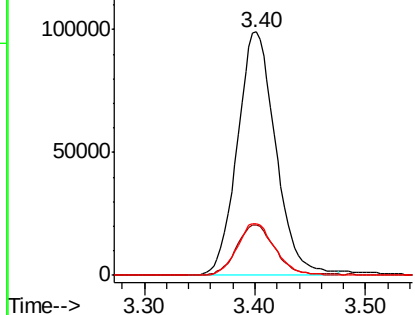
#17
Methvl tert-butvl Ether
Concen: 4.997 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038915.D
Acq: 16 Jun 2020 00:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Tot Ion: 73 Resp: 238824
Ion Ratio Lower Upper
73 100
43 20.7 16.6 24.8
57 21.1 17.5 26.3

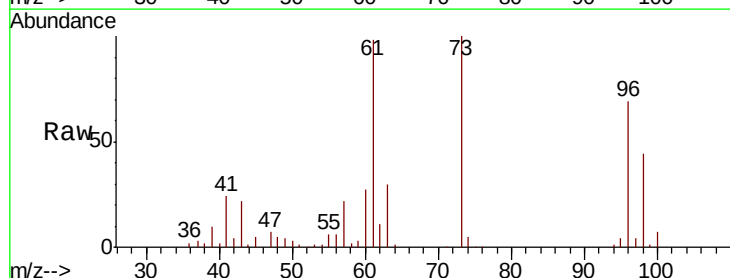


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

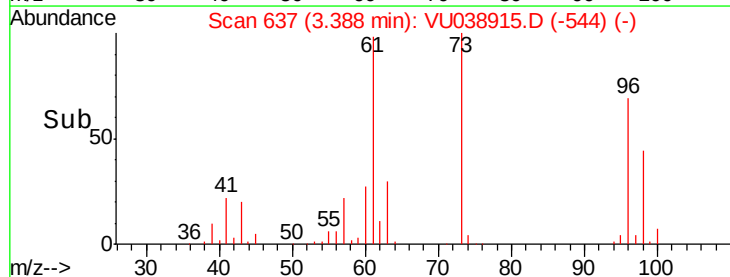
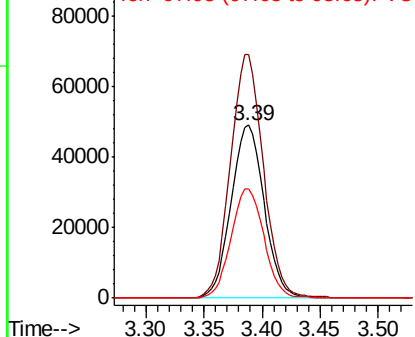


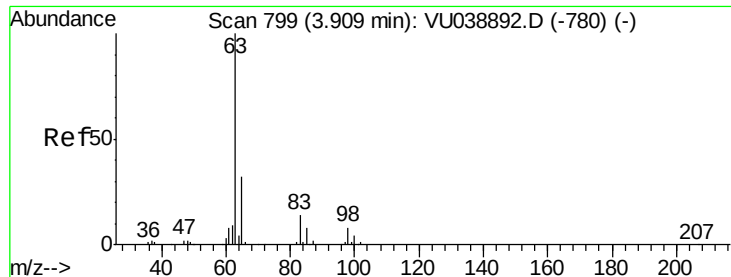
#18
trans-1,2-Dichloroethene
Concen: 4.878 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU038915.D
Acq: 16 Jun 2020 00:27

Tgt Ion: 96 Resp: 96795
Ion Ratio Lower Upper
96 100
61 140.9 97.6 181.4
98 63.5 44.5 82.7



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

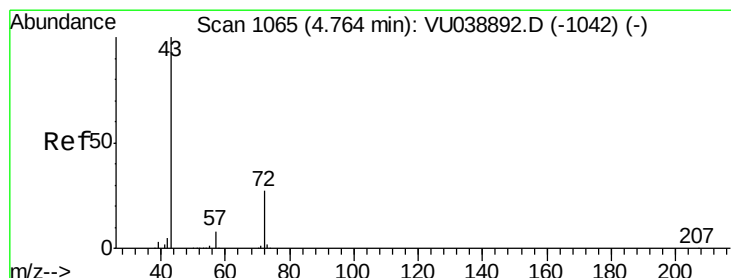
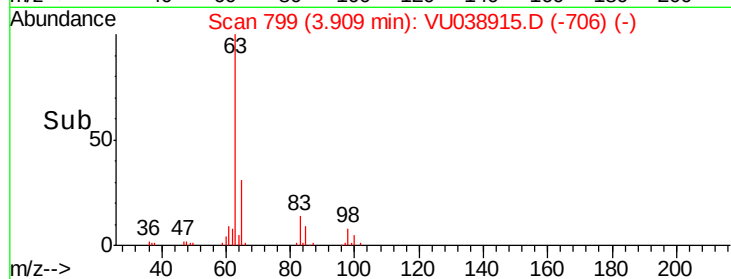
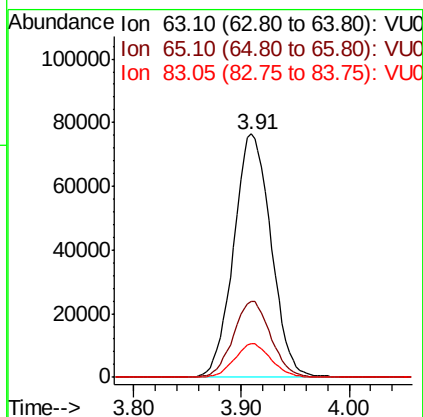
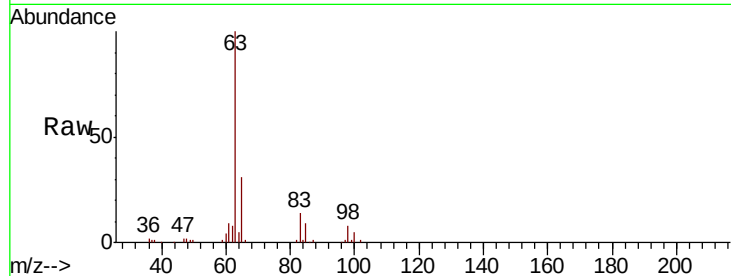




#19
 1,1-Dichloroethane
 Concen: 5.058 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU038915.D
 Acq: 16 Jun 2020 00:27

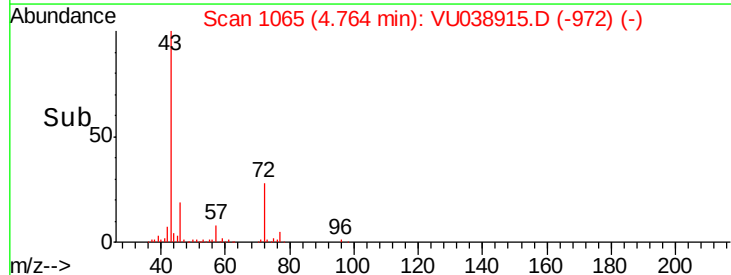
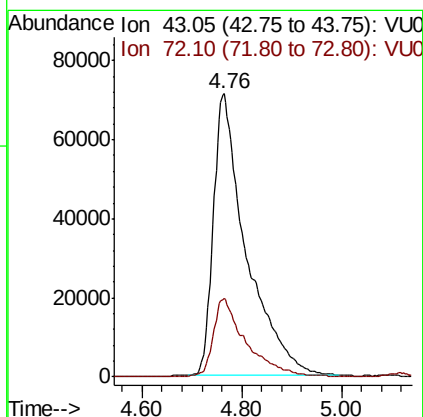
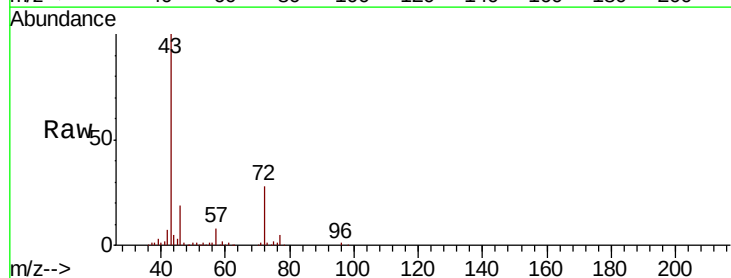
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

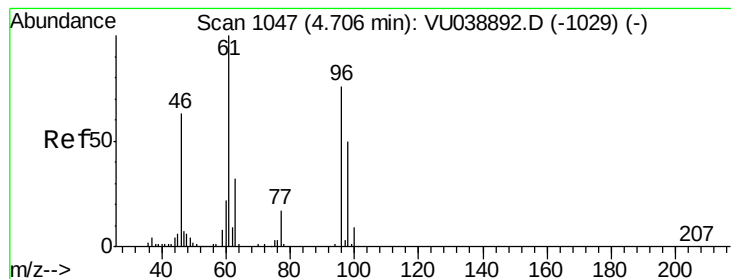
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	21.3	39.6
83	13.9	9.5	17.7



#21
 2-Butanone
 Concen: 51.308 ug/L
 RT: 4.76 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VU038915.D
 Acq: 16 Jun 2020 00:27

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.9	14.0	41.9





#22

cis-1,2-Dichloroethene

Concen: 4.968 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU038915.D

Acq: 16 Jun 2020 00:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

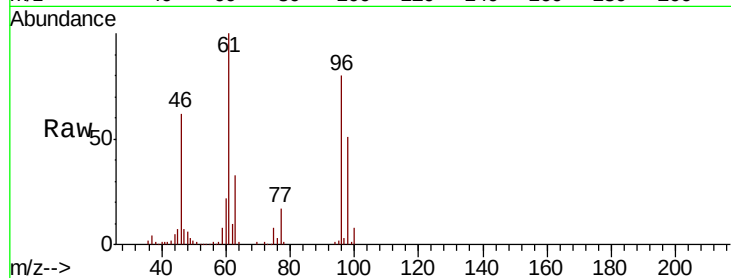
Tot Ion: 96 Resp: 103089

Ion Ratio Lower Upper

96 100

61 124.3 90.5 168.1

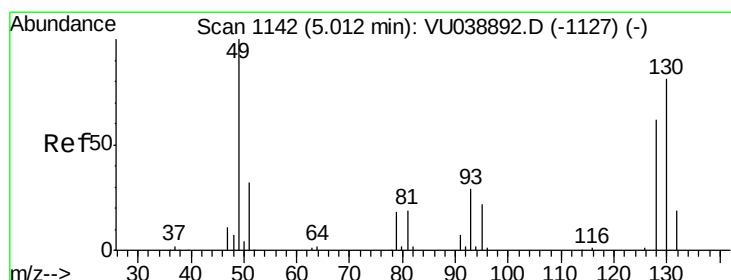
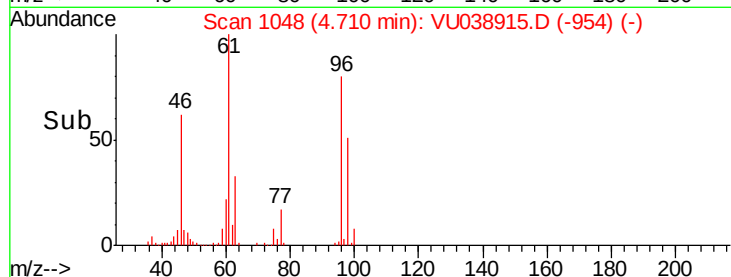
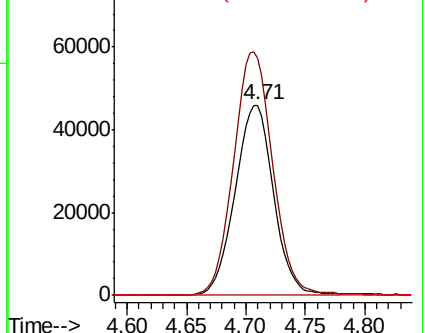
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038892.D (-1029) (-)

Ion 61.05 (60.75 to 61.75): VU038892.D (-1029) (-)

Ion 68.15 (67.85 to 68.85): VU038892.D (-1029) (-)



#23

Bromochloromethane

Concen: 5.144 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU038915.D

Acq: 16 Jun 2020 00:27

Tgt Ion: 128 Resp: 50540

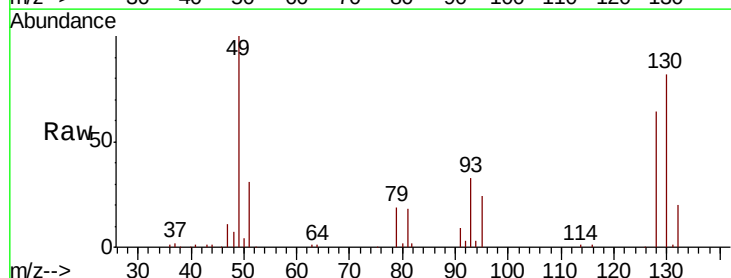
Ion Ratio Lower Upper

128 100

49 156.0 114.8 213.2

130 128.0 91.7 170.3

51 48.4 42.7 64.1

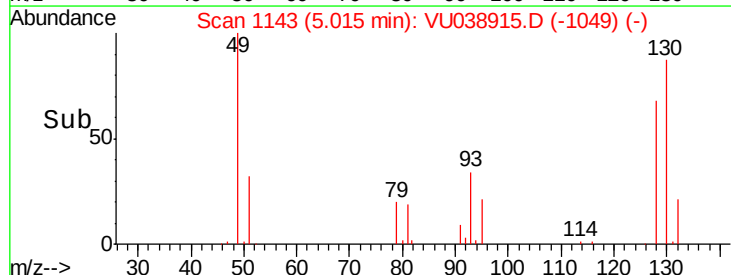
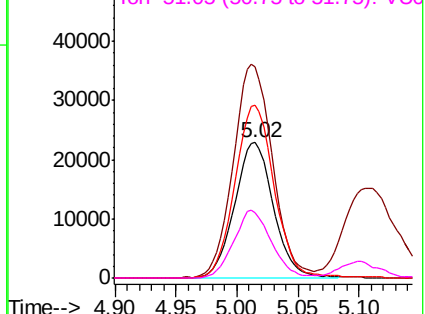


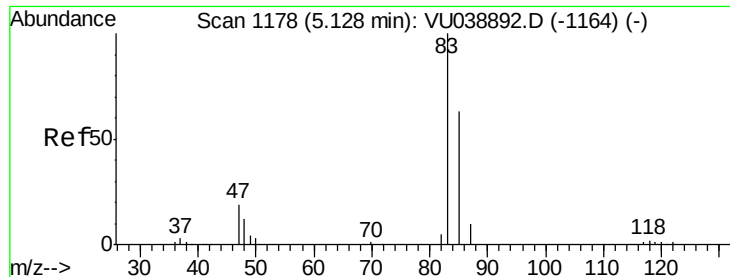
Abundance Ion 127.90 (127.60 to 128.60): VU038892.D (-1127) (-)

Ion 49.10 (48.80 to 49.80): VU038892.D (-1127) (-)

Ion 129.95 (129.65 to 130.65): VU038892.D (-1127) (-)

Ion 51.05 (50.75 to 51.75): VU038892.D (-1127) (-)

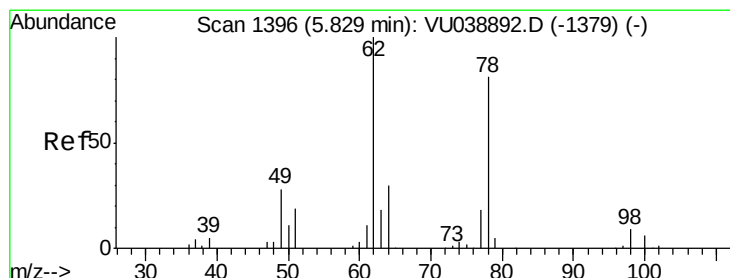
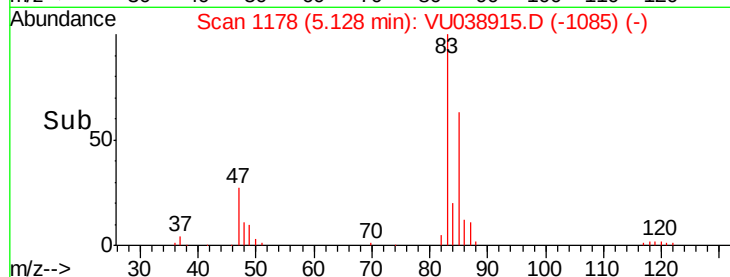
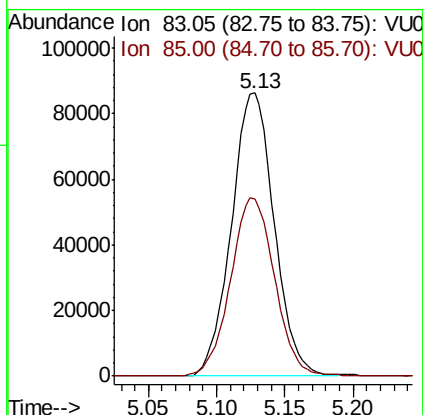
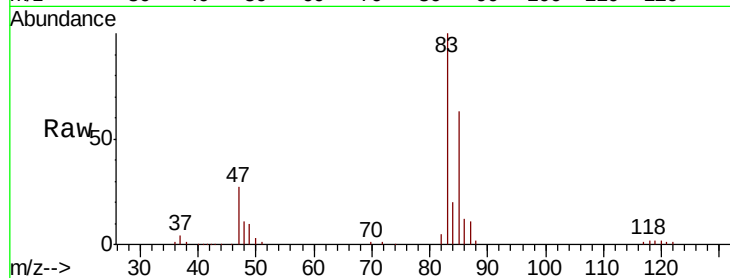




#25
Chloroform
Concen: 4.957 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038915.D
Acq: 16 Jun 2020 00:27

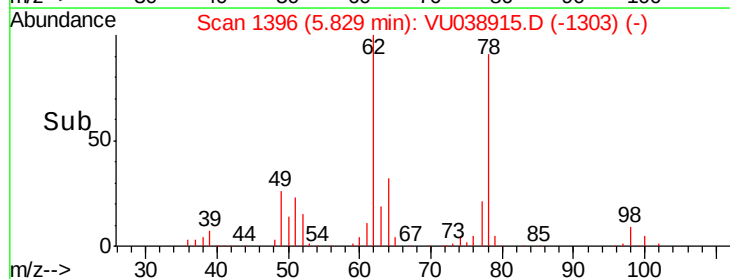
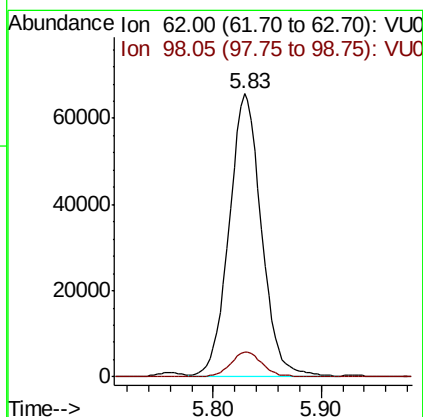
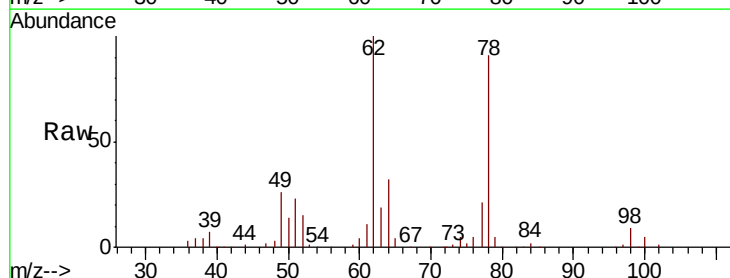
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

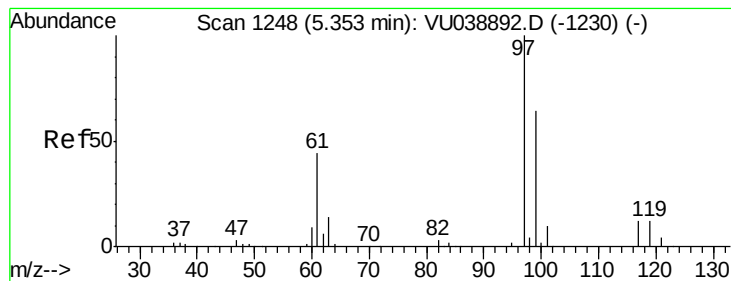
Tot Ion: 83 Resp: 187927
Ion Ratio Lower Upper
83 100
85 62.7 45.8 85.2



#27
1,2-Dichloroethane
Concen: 5.061 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038915.D
Acq: 16 Jun 2020 00:27

Tgt Ion: 62 Resp: 136207
Ion Ratio Lower Upper
62 100
98 8.7 8.2 12.4





#29

1,1,1-Trichloroethane

Concen: 3.868 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VU038915.D

Acq: 16 Jun 2020 00:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

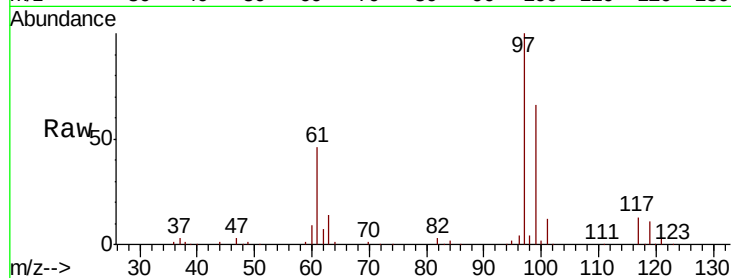
Tot Ion: 97 Resp: 160530

Ion Ratio Lower Upper

97 100

99 64.5 51.4 77.2

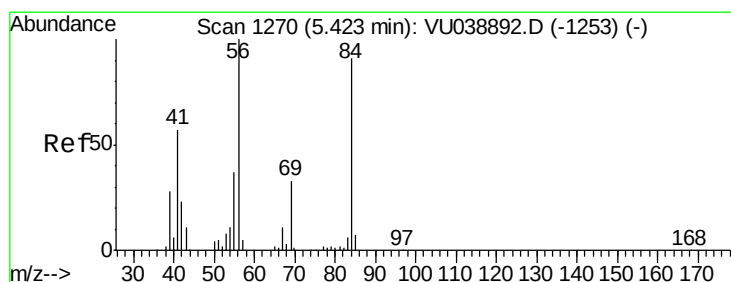
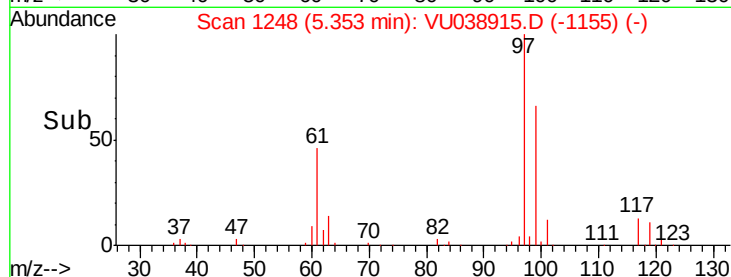
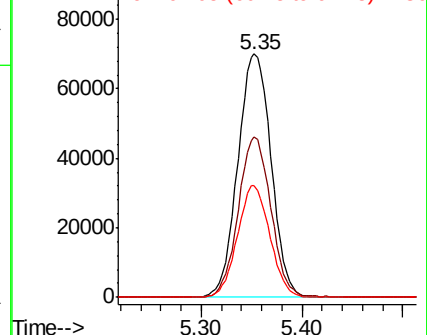
61 44.7 36.3 54.5



Abundance Ion 96.95 (96.65 to 97.65): VU038892.D (-1230) (-)

Ion 99.05 (98.75 to 99.75): VU038892.D (-1230) (-)

Ion 61.05 (60.75 to 61.75): VU038892.D (-1230) (-)



#30

Cyclohexane

Concen: 3.425 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VU038915.D

Acq: 16 Jun 2020 00:27

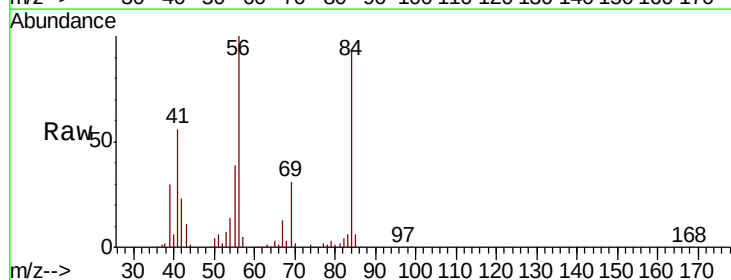
Tgt Ion: 56 Resp: 128062

Ion Ratio Lower Upper

56 100

69 31.9 25.4 38.2

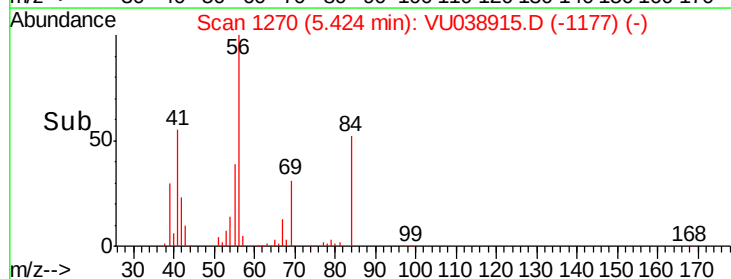
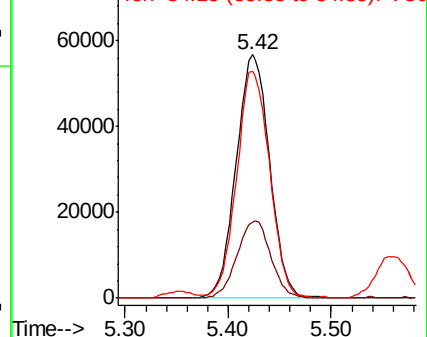
84 91.7 72.1 108.1

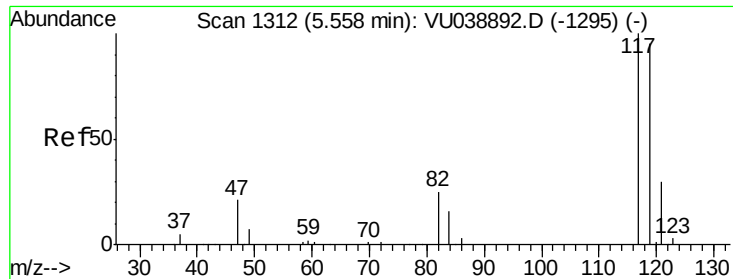


Abundance Ion 56.10 (55.80 to 56.80): VU038892.D (-1253) (-)

Ion 69.15 (68.85 to 69.85): VU038892.D (-1253) (-)

Ion 84.15 (83.85 to 84.85): VU038892.D (-1253) (-)





#31

Carbon tetrachloride

Concen: 3.759 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038915.D

Acq: 16 Jun 2020 00:27

Instrument :

MSVOA_U

ClientSampleId :

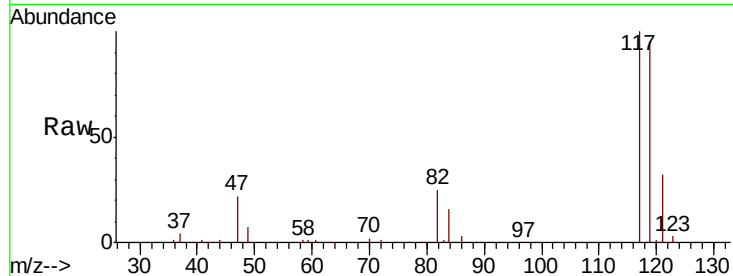
VSTD00525

Tot Ion:117 Resp: 132764

Ion Ratio Lower Upper

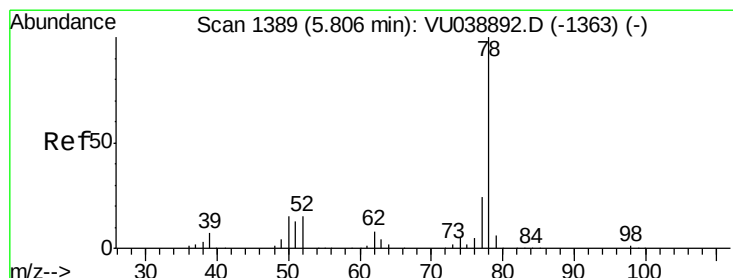
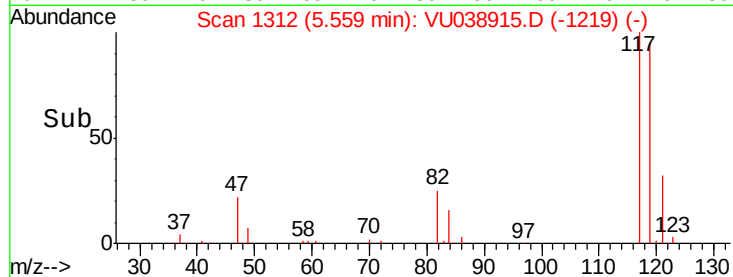
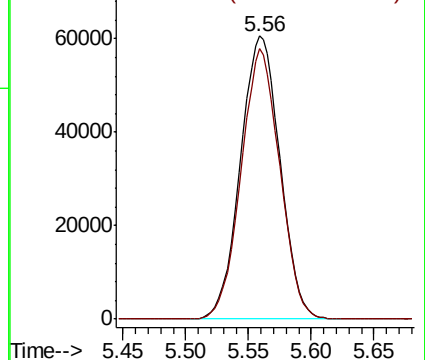
117 100

119 93.3 76.6 114.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.003 ug/L

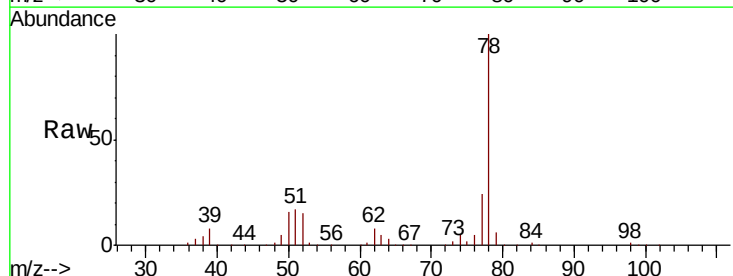
RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

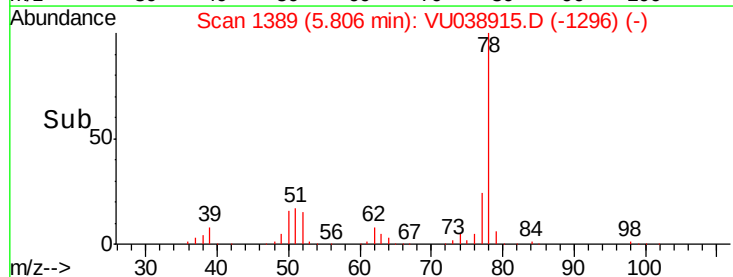
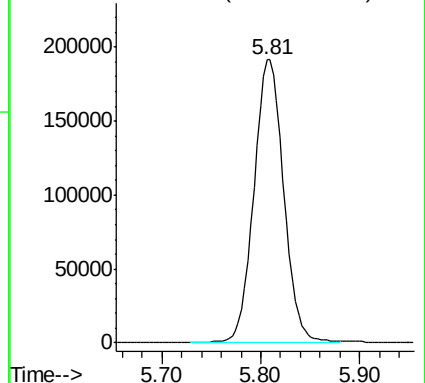
Lab File: VU038915.D

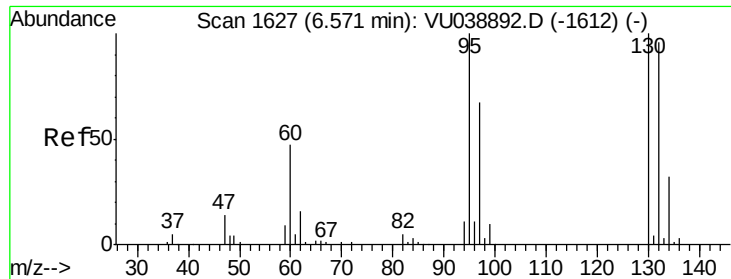
Acq: 16 Jun 2020 00:27

Tgt Ion: 78 Resp: 398369



Abundance Ion 78.10 (77.80 to 78.80): VU0

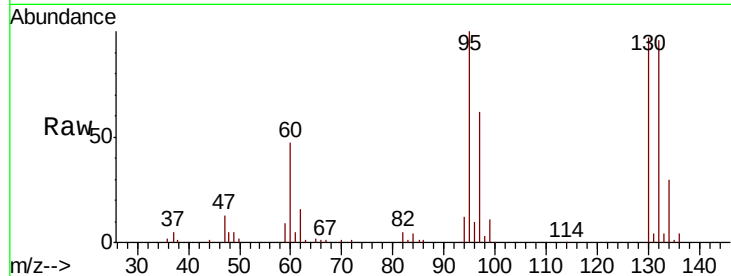




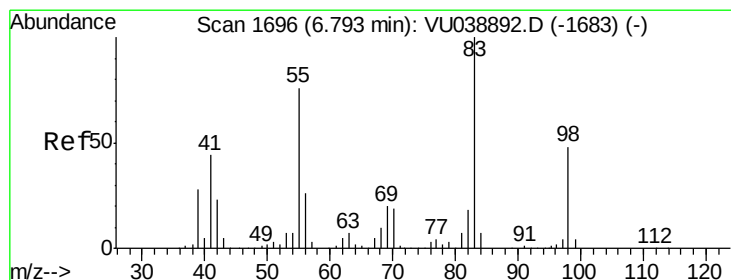
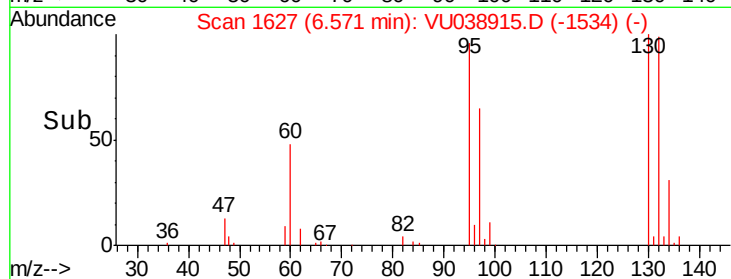
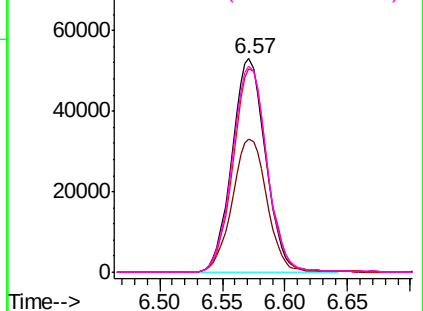
#34
 Trichloroethene
 Concen: 3.820 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038915.D
 Acq: 16 Jun 2020 00:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tot Ion: 95 Resp: 99271
 Ion Ratio Lower Upper
 95 100
 97 62.4 46.1 85.5
 132 95.5 68.2 126.6
 130 96.7 71.0 131.9

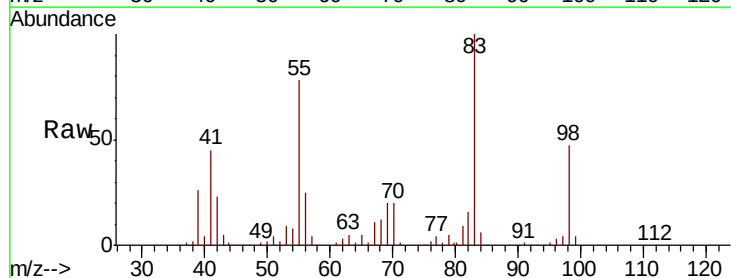


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

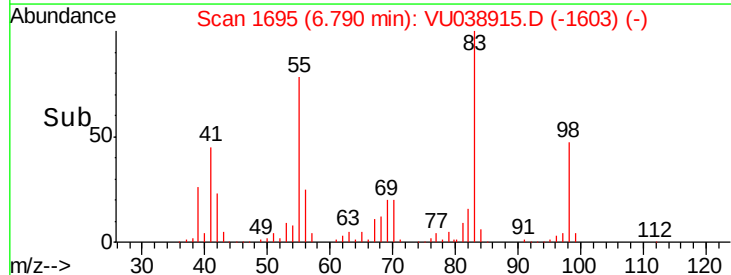
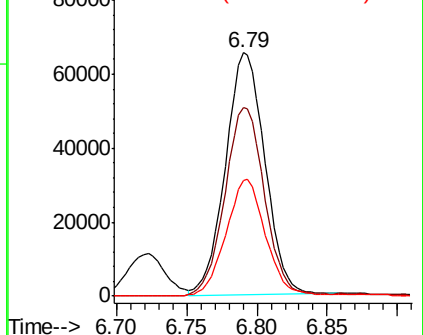


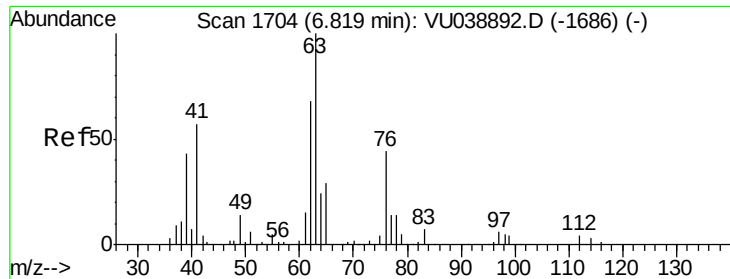
#35
 Methylcyclohexane
 Concen: 3.298 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU038915.D
 Acq: 16 Jun 2020 00:27

Tgt Ion: 83 Resp: 127691
 Ion Ratio Lower Upper
 83 100
 55 79.1 63.6 95.4
 98 48.5 38.9 58.3



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

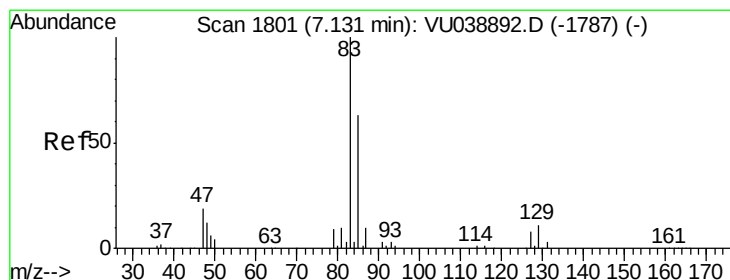
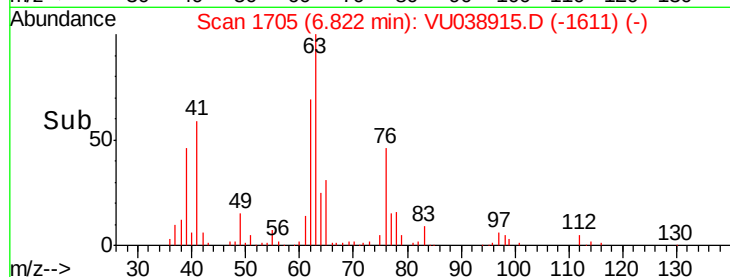
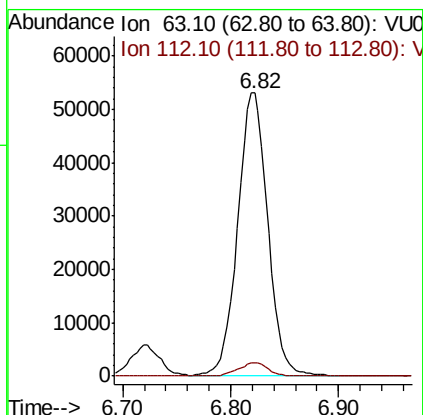
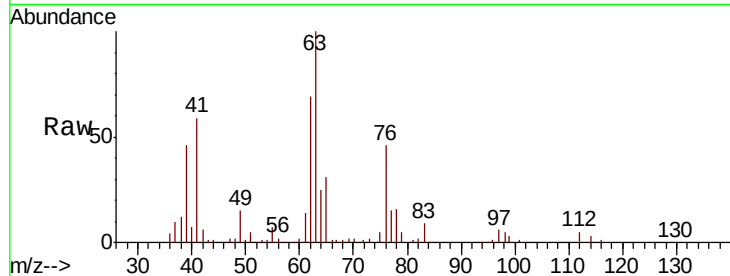




#37
 1,2-Dichloropropane
 Concen: 4.020 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038915.D
 Acq: 16 Jun 2020 00:27

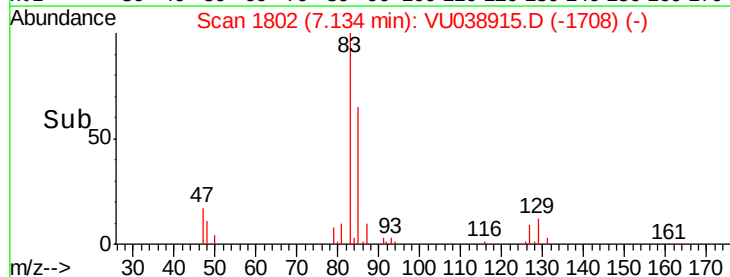
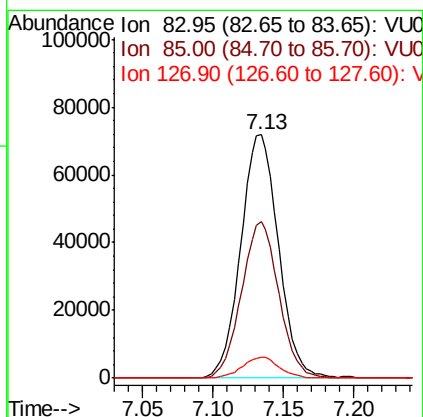
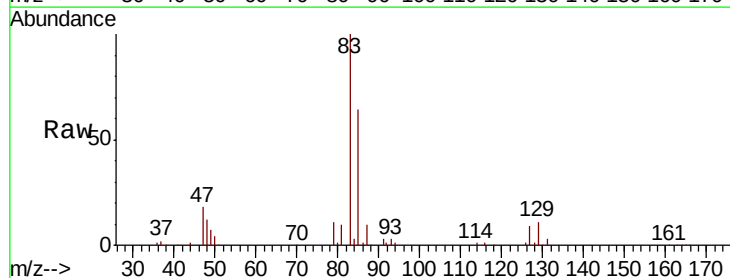
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

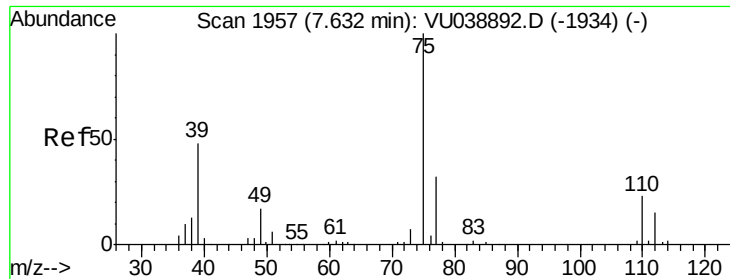
Tot Ion: 63 Resp: 103240
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.8



#38
 Bromodichloromethane
 Concen: 3.983 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU038915.D
 Acq: 16 Jun 2020 00:27

Tgt Ion: 83 Resp: 134495
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.8 83.2
 127 8.8 6.3 9.5

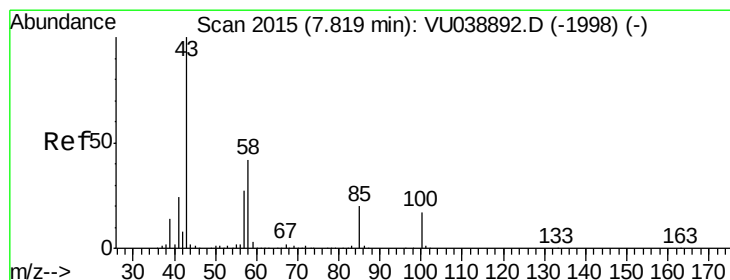
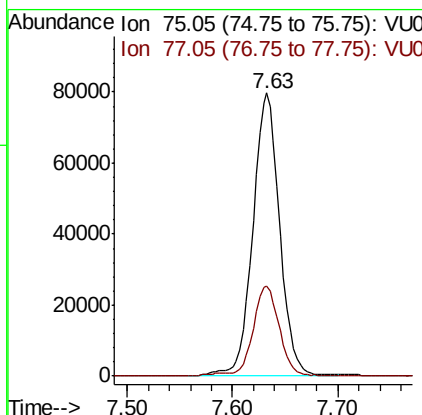
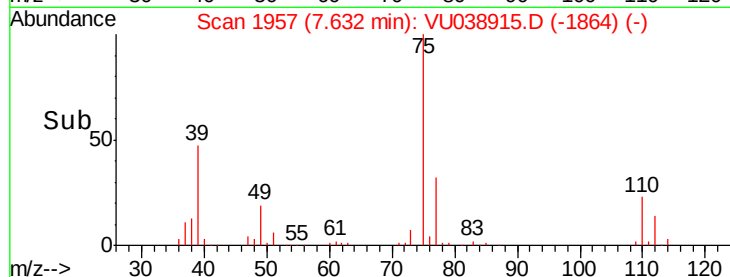
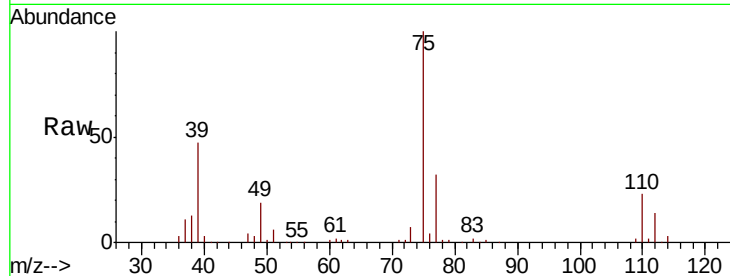




#39
 cis-1,3-Dichloropropene
 Concen: 3.864 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038915.D
 Acq: 16 Jun 2020 00:27

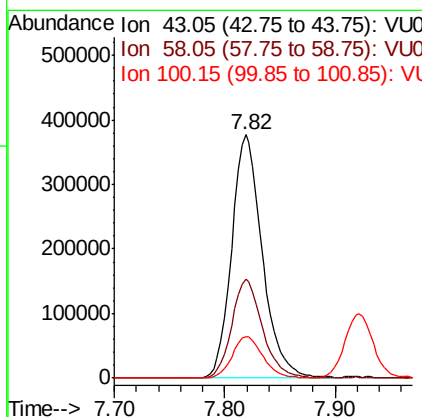
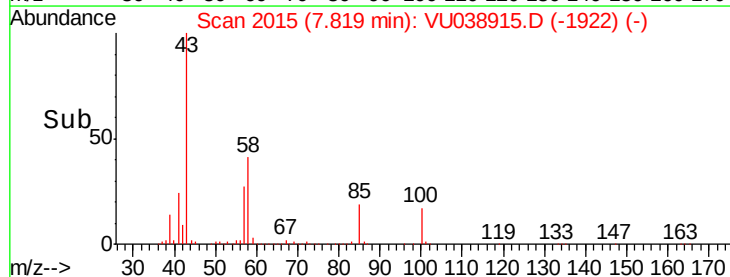
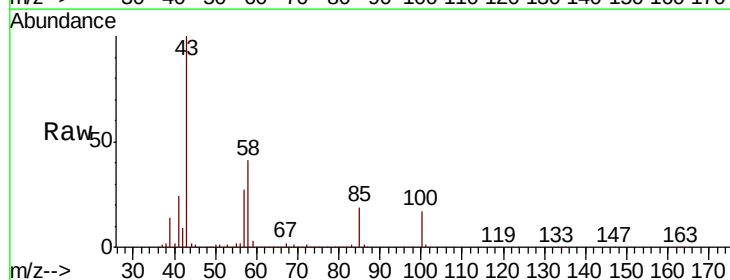
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

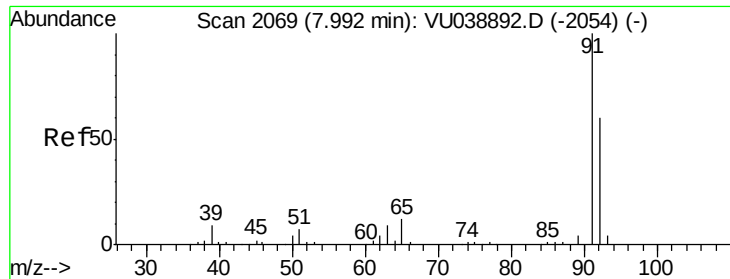
Tot Ion: 75 Resp: 141924
 Ion Ratio Lower Upper
 75 100
 77 32.1 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 41.440 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU038915.D
 Acq: 16 Jun 2020 00:27

Tgt Ion: 43 Resp: 725888
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.6 49.0
 100 17.1 13.8 20.6





#42

Toluene

Concen: 3.907 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038915.D

Acq: 16 Jun 2020 00:27

Instrument :

MSVOA_U

ClientSampleId :

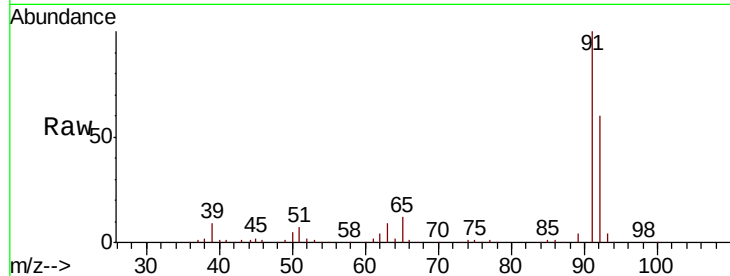
VSTD00525

Tot Ion: 91 Resp: 409859

Ion Ratio Lower Upper

91 100

92 60.3 41.5 77.1



Abundance Ion 91.15 (90.85 to 91.85): VU038892.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038892.D (-2054) (-)

7.99

250000

200000

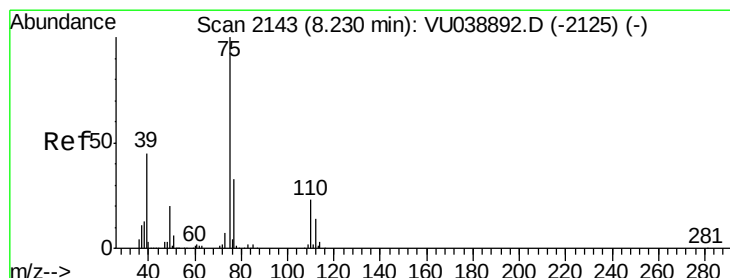
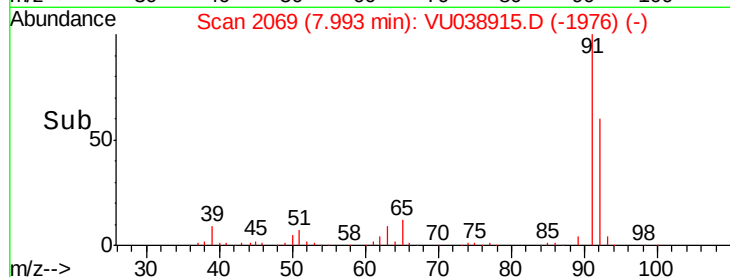
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#44

trans-1,3-Dichloropropene

Concen: 3.954 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU038915.D

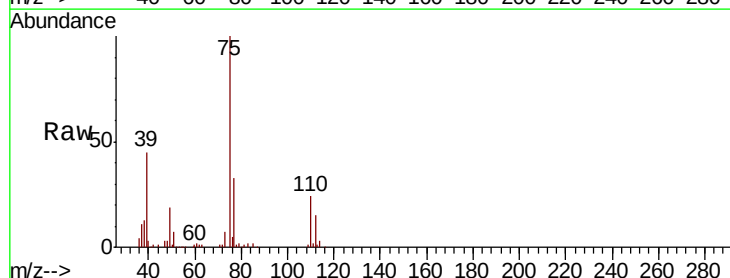
Acq: 16 Jun 2020 00:27

Tgt Ion: 75 Resp: 132824

Ion Ratio Lower Upper

75 100

77 32.9 21.9 40.7



Abundance Ion 75.05 (74.75 to 75.75): VU038892.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU038892.D (-2125) (-)

8.23

80000

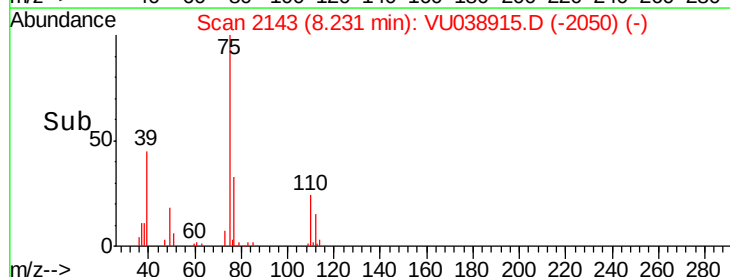
60000

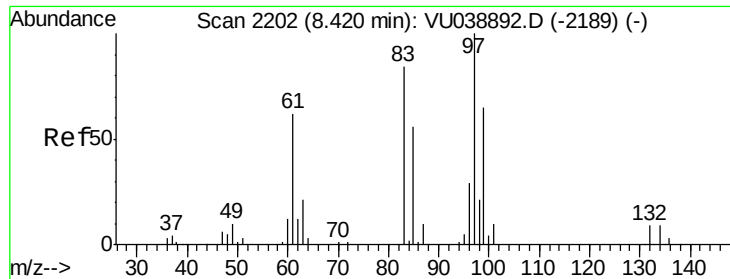
40000

20000

0

Time--> 8.10 8.20 8.30

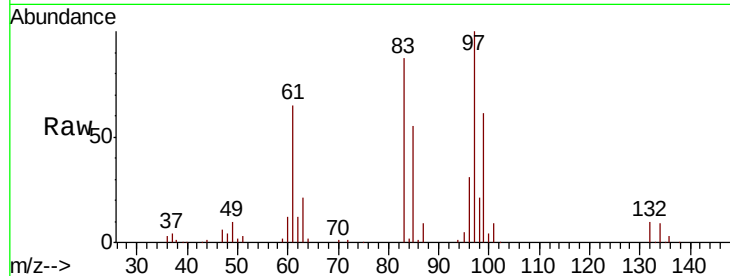




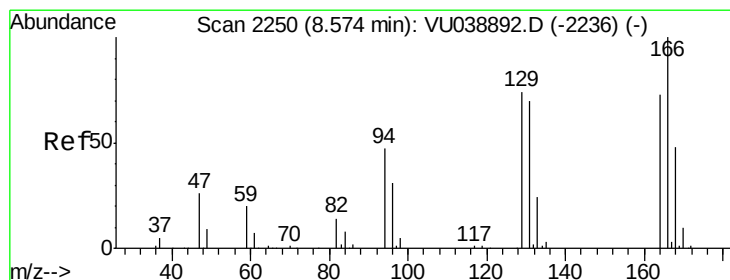
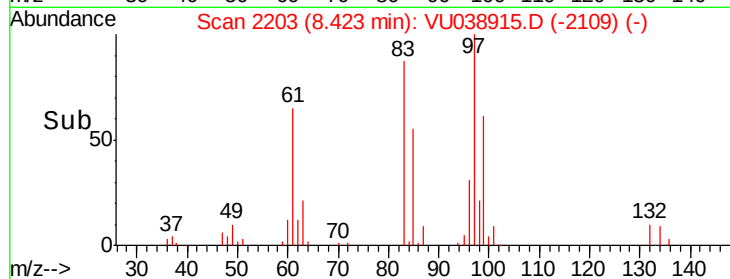
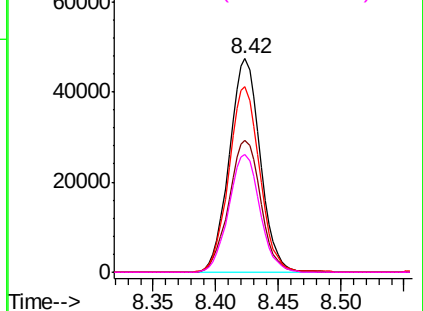
#45
 1,1,2-Trichloroethane
 Concen: 4.133 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU038915.D
 Acq: 16 Jun 2020 00:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tot Ion:	97	Resp:	81131
Ion	Ratio	Lower	Upper
97	100		
99	61.5	45.4	84.2
83	86.7	60.6	112.6
85	54.9	39.0	72.4

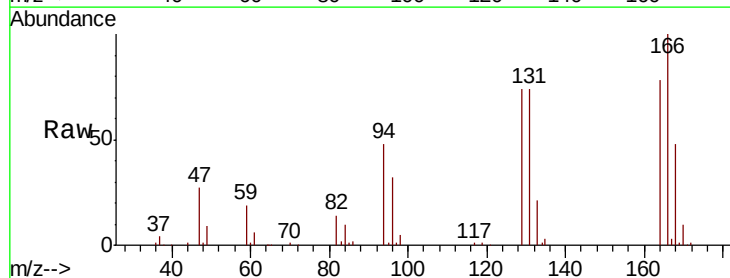


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

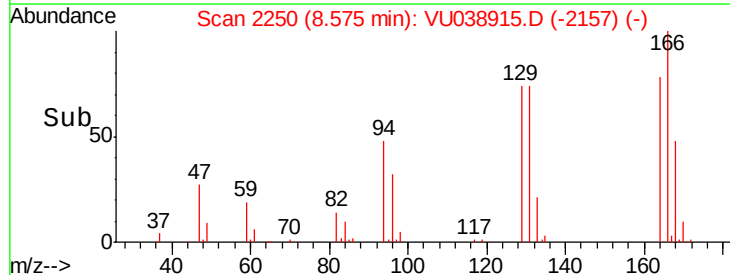
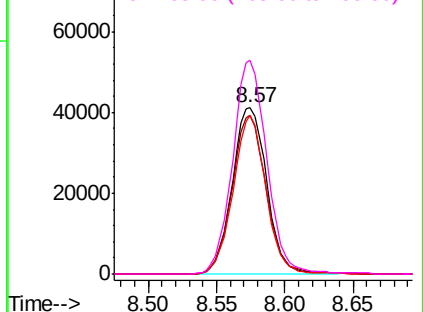


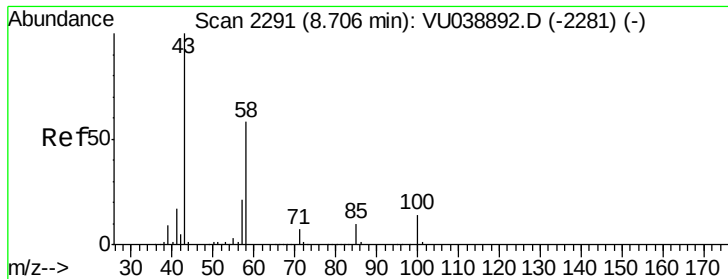
#47
 Tetrachloroethene
 Concen: 3.624 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU038915.D
 Acq: 16 Jun 2020 00:27

Tgt Ion:	164	Resp:	72187
Ion	Ratio	Lower	Upper
164	100		
129	95.2	65.5	121.7
131	95.2	63.9	118.7
166	128.5	87.9	163.3



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

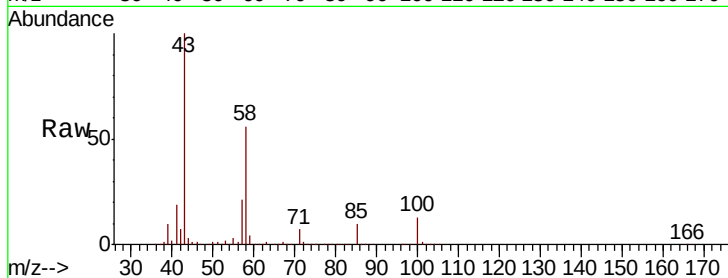




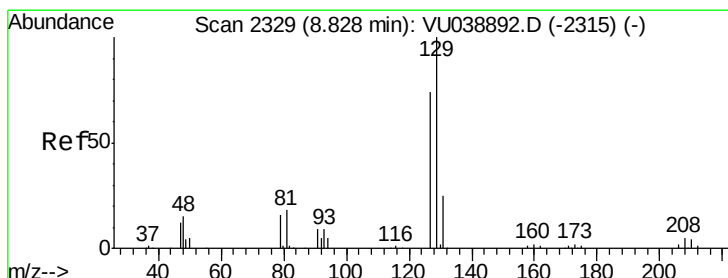
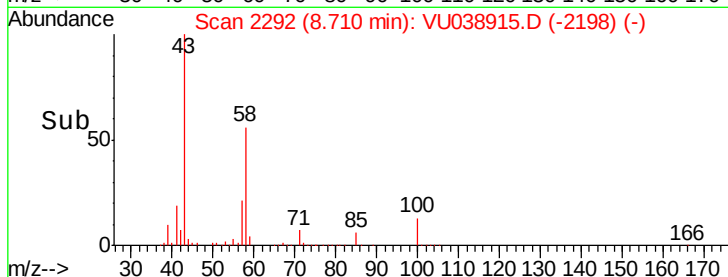
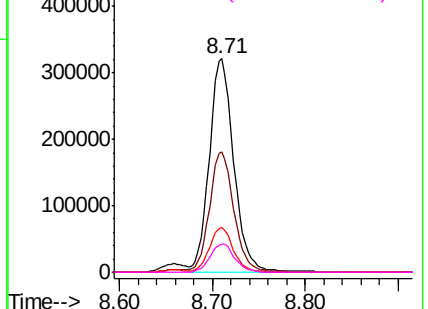
#48
2-Hexanone
Concen: 42.291 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038915.D
Acq: 16 Jun 2020 00:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Tot Ion: 43 Resp: 587266
Ion Ratio Lower Upper
43 100
58 55.7 45.4 68.2
57 20.5 16.4 24.6
100 13.4 10.6 15.8

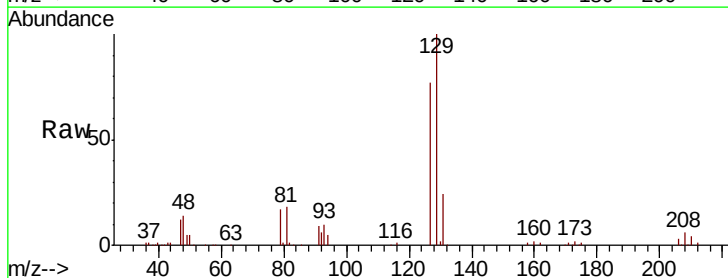


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

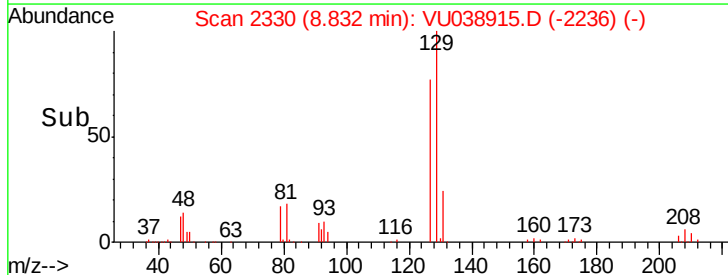
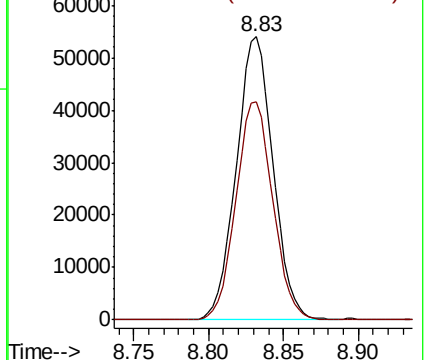


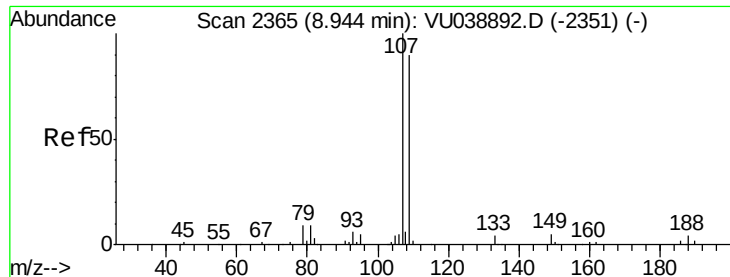
#49
Dibromochloromethane
Concen: 4.067 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038915.D
Acq: 16 Jun 2020 00:27

Tgt Ion: 129 Resp: 92629
Ion Ratio Lower Upper
129 100
127 77.0 56.7 105.3



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

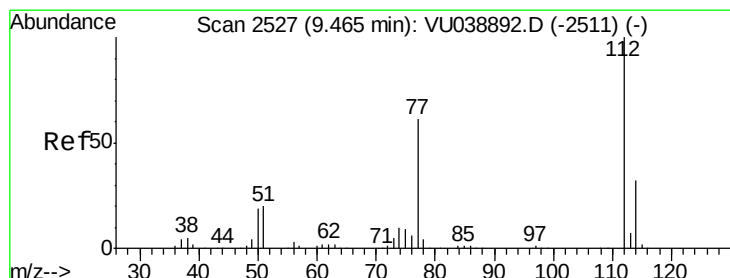
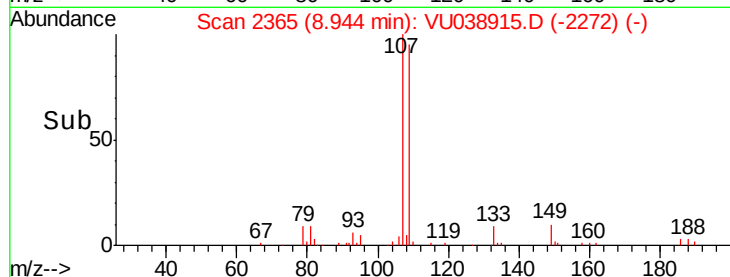
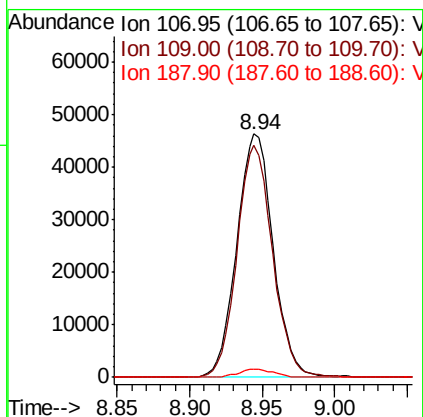
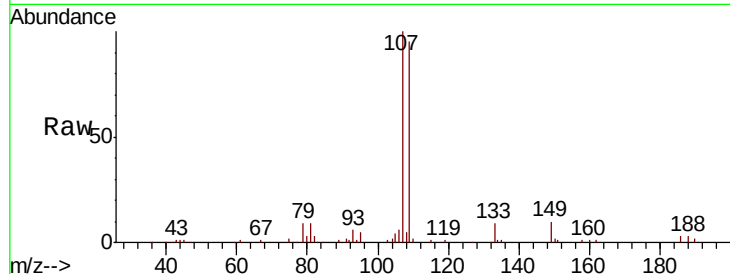




#50
 1,2-Dibromoethane
 Concen: 4.242 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. 0.00 min
 Lab File: VU038915.D
 Acq: 16 Jun 2020 00:27

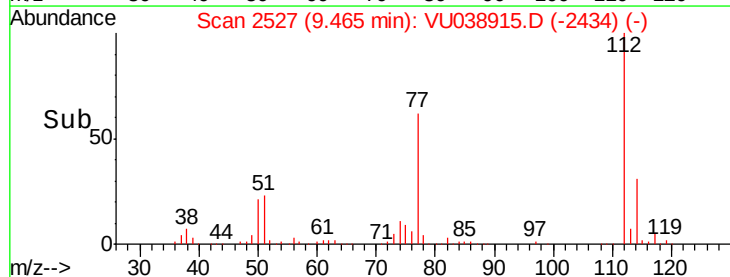
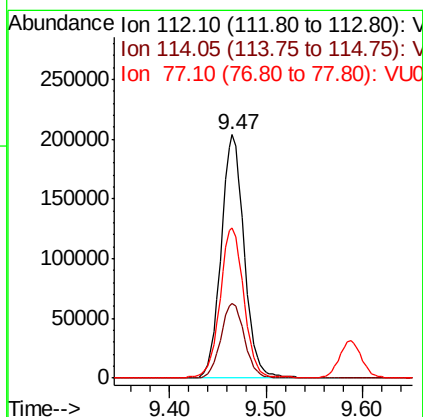
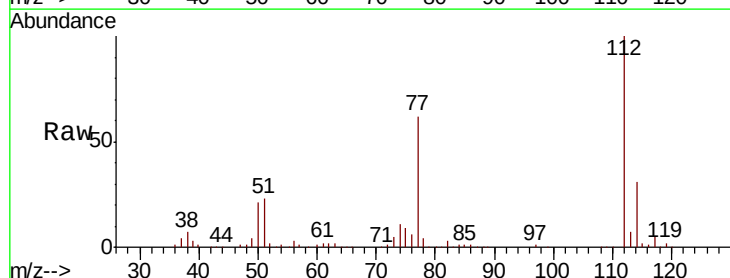
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

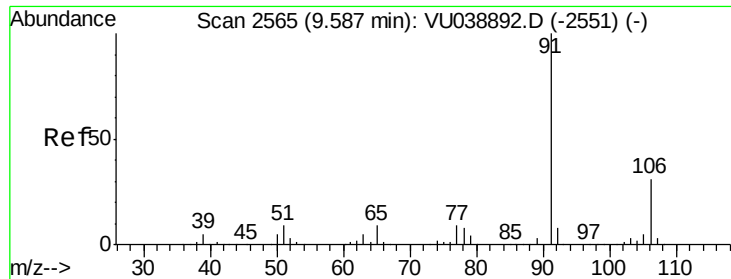
Tot Ion:107 Resp: 80712
 Ion Ratio Lower Upper
 107 100
 109 95.5 67.5 125.4
 188 3.4 2.9 4.3



#51
 Chlorobenzene
 Concen: 4.928 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: VU038915.D
 Acq: 16 Jun 2020 00:27

Tgt Ion:112 Resp: 336372
 Ion Ratio Lower Upper
 112 100
 114 30.7 21.8 40.4
 77 61.8 48.3 72.5





#52

Ethylbenzene

Concen: 4.764 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU038915.D

Acq: 16 Jun 2020 00:27

Instrument :

MSVOA_U

ClientSampleId :

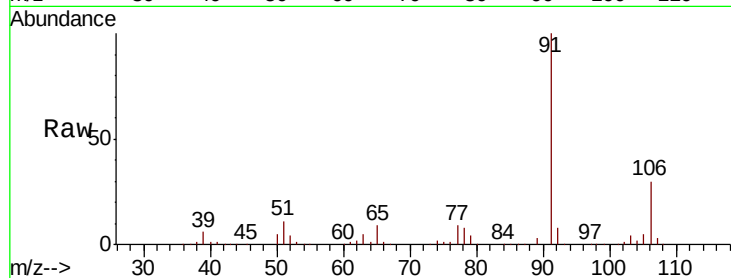
VSTD00525

Tot Ion: 91 Resp: 555965

Ion Ratio Lower Upper

91 100

106 30.4 22.0 40.8



Abundance Ion 91.15 (90.85 to 91.85): VU038915.D (-2551) (-)

Ion 106.15 (105.85 to 106.85): VU038915.D (-2472) (-)

9.59

400000

300000

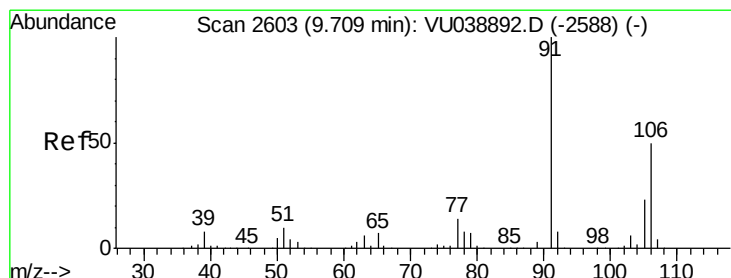
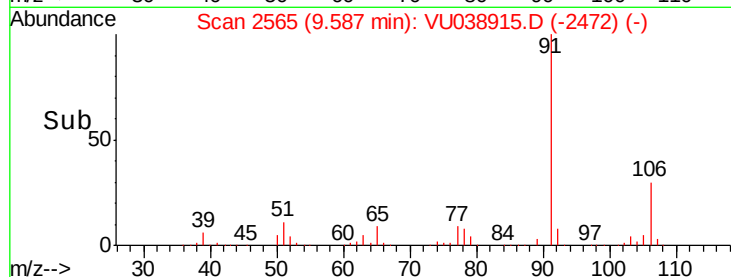
200000

100000

0

9.50 9.55 9.60 9.65 9.70

Time-->



#53

m,p-Xylene

Concen: 4.737 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU038915.D

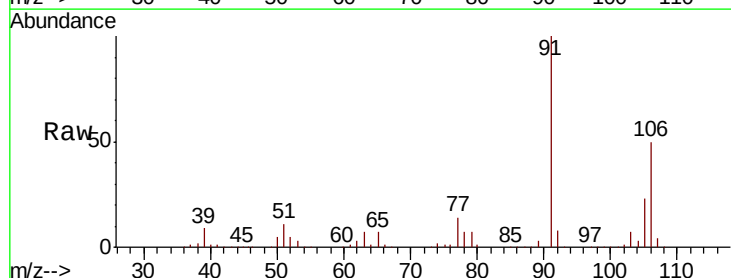
Acq: 16 Jun 2020 00:27

Tgt Ion: 106 Resp: 207726

Ion Ratio Lower Upper

106 100

91 201.5 143.1 265.7



Abundance Ion 106.15 (105.85 to 106.85): VU038915.D (-2510) (-)

Ion 91.15 (90.85 to 91.85): VU038915.D (-2588) (-)

9.71

300000

250000

200000

150000

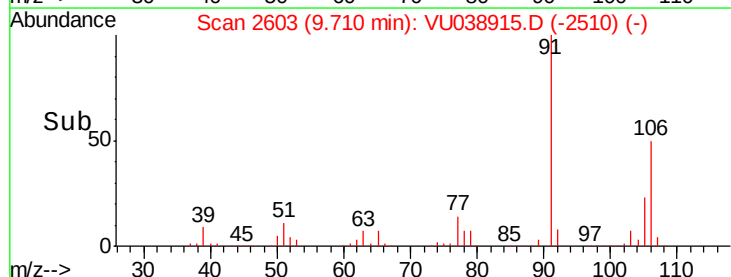
100000

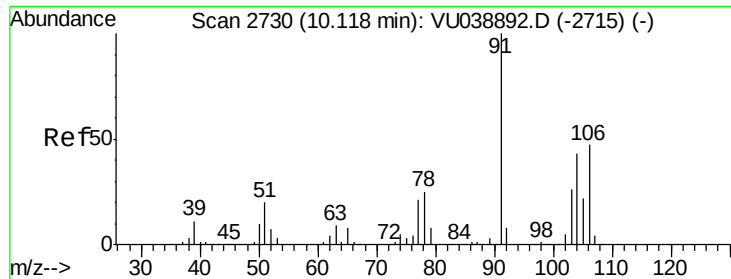
50000

0

9.65 9.70 9.75

Time-->





#54

o-Xylene

Concen: 4.777 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU038915.D

Acq: 16 Jun 2020 00:27

Instrument :

MSVOA_U

ClientSampleId :

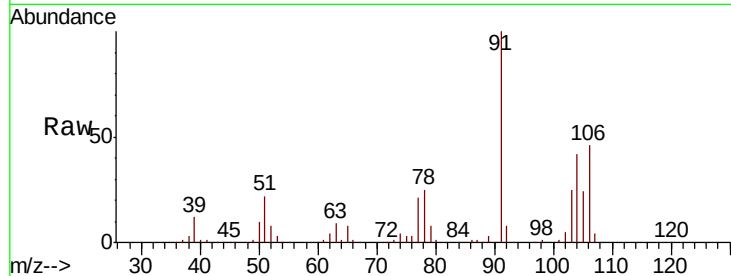
VSTD00525

Tot Ion:106 Resp: 201540

Ion Ratio Lower Upper

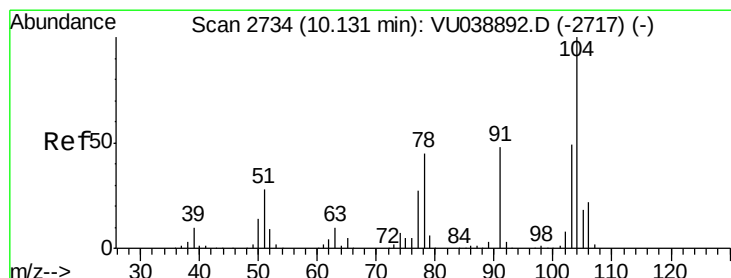
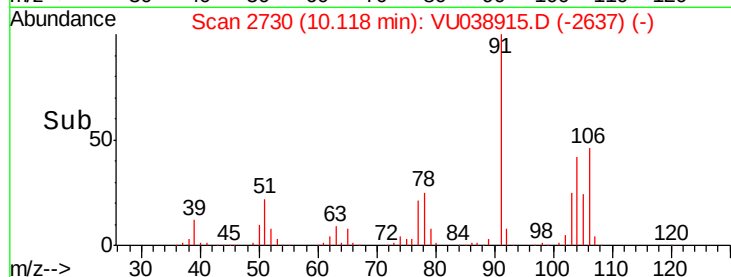
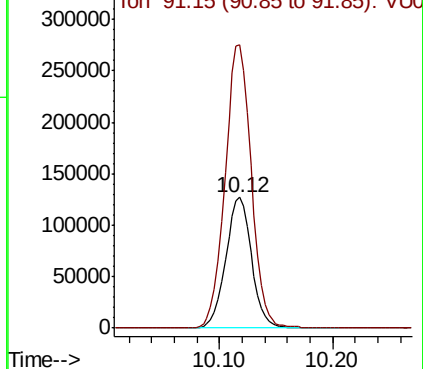
106 100

91 216.2 152.0 282.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 4.939 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU038915.D

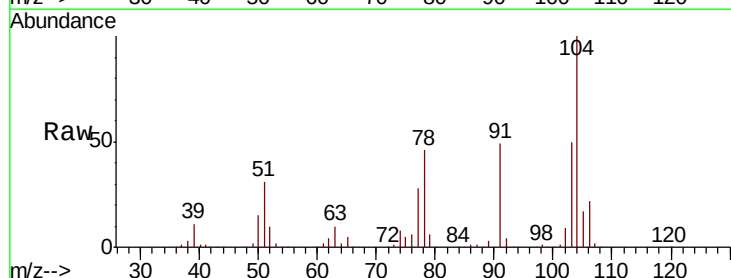
Acq: 16 Jun 2020 00:27

Tgt Ion:104 Resp: 361960

Ion Ratio Lower Upper

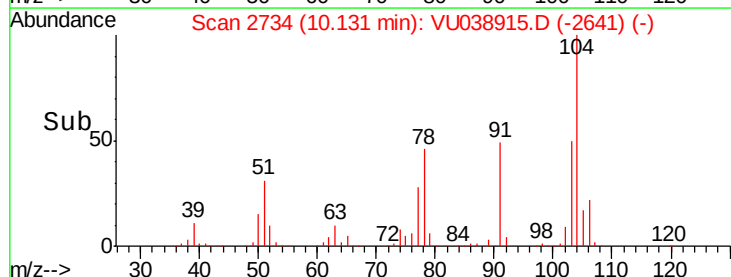
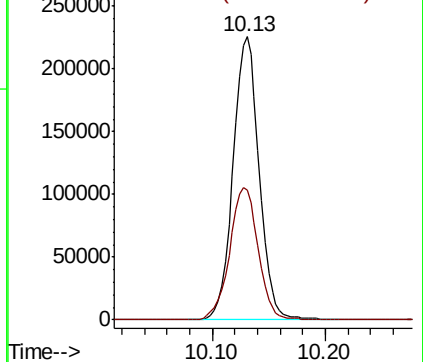
104 100

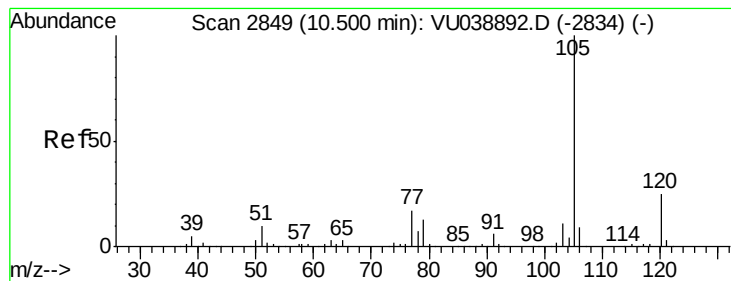
78 45.7 31.8 59.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 3.879 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038915.D

Acq: 16 Jun 2020 00:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

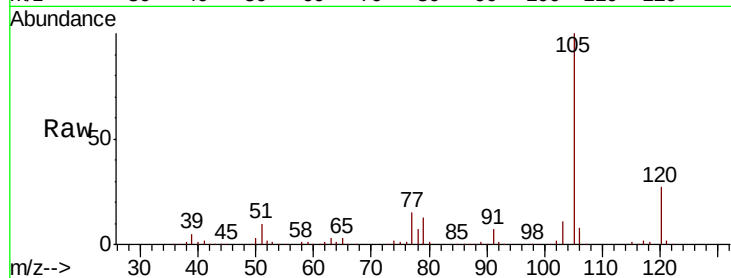
Tot Ion:105 Resp: 425083

Ion Ratio Lower Upper

105 100

120 26.2 20.6 30.8

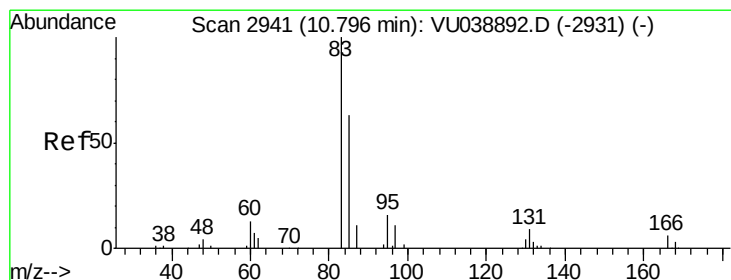
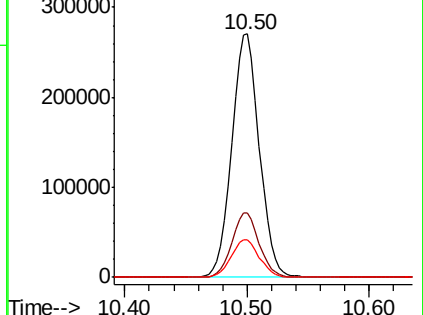
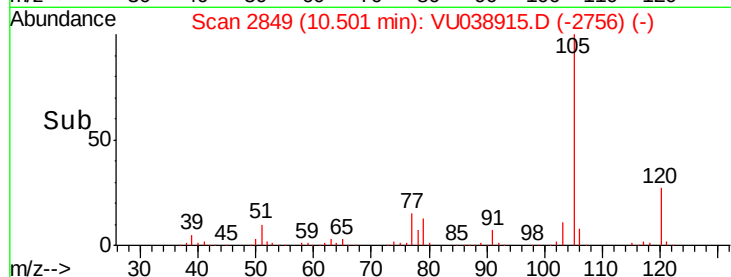
77 15.9 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.328 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU038915.D

Acq: 16 Jun 2020 00:27

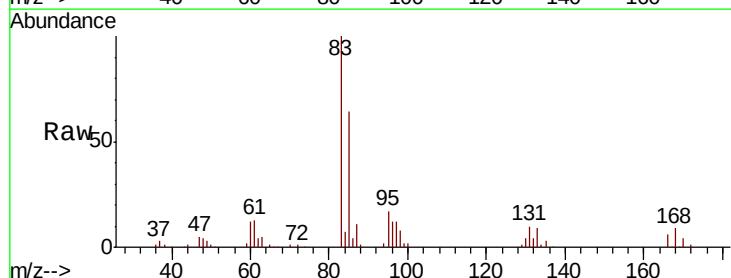
Tgt Ion: 83 Resp: 108917

Ion Ratio Lower Upper

83 100

85 63.8 46.3 85.9

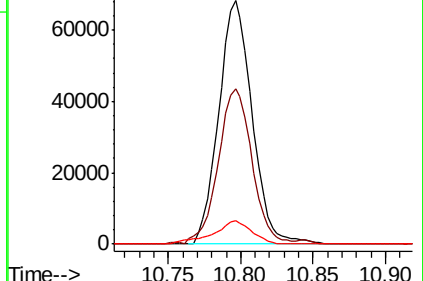
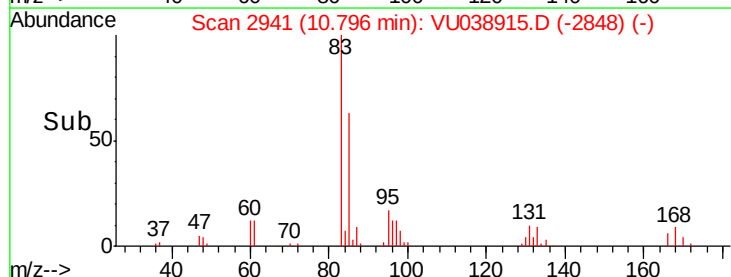
131 9.6 8.3 12.5

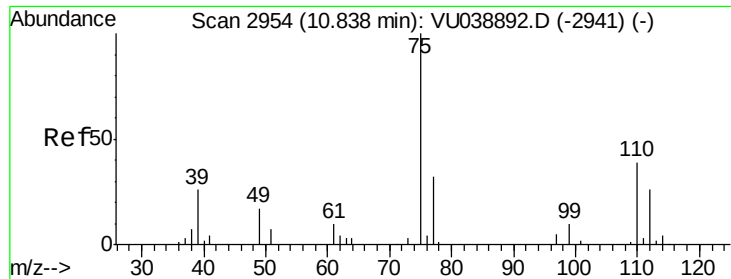


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.202 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU038915.D

Acq: 16 Jun 2020 00:27

Instrument :

MSVOA_U

ClientSampleId :

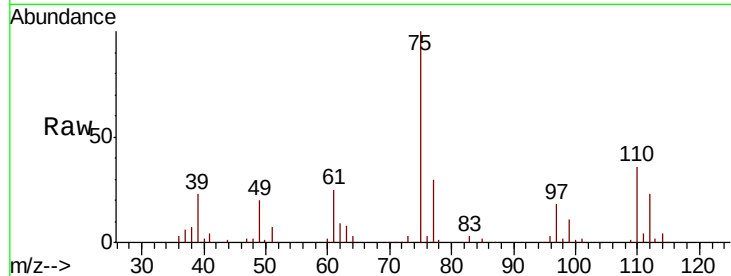
VSTD00525

Tot Ion: 75 Resp: 83154

Ion Ratio Lower Upper

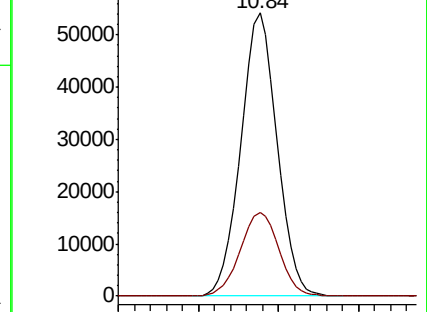
75 100

77 31.7 25.9 38.9

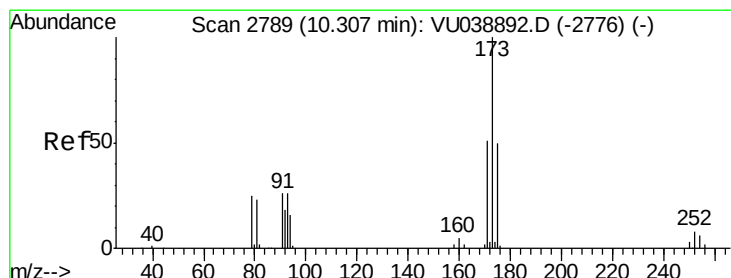
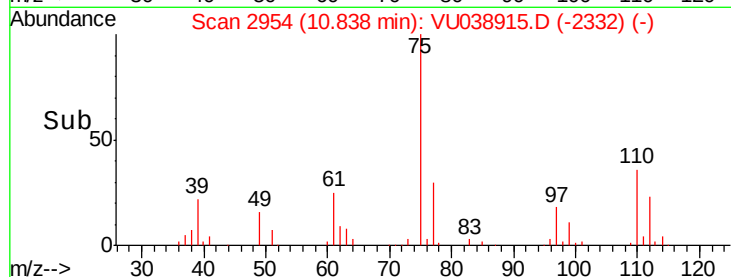


Abundance Ion 75.00 (74.70 to 75.70): VU038892.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU038892.D (-2941) (-)



Time--> 10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 5.927 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VU038915.D

Acq: 16 Jun 2020 00:27

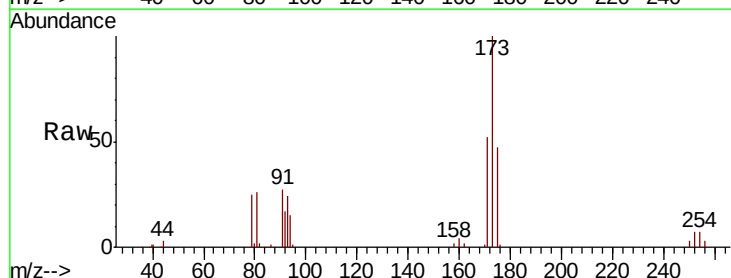
Tgt Ion: 173 Resp: 59536

Ion Ratio Lower Upper

173 100

175 47.4 39.0 58.4

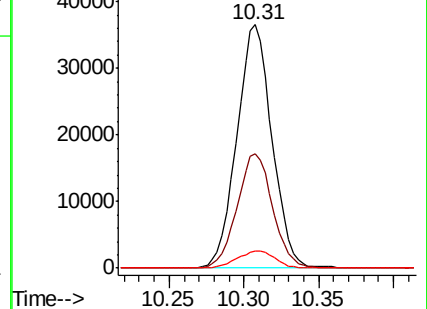
254 7.4 6.0 9.0



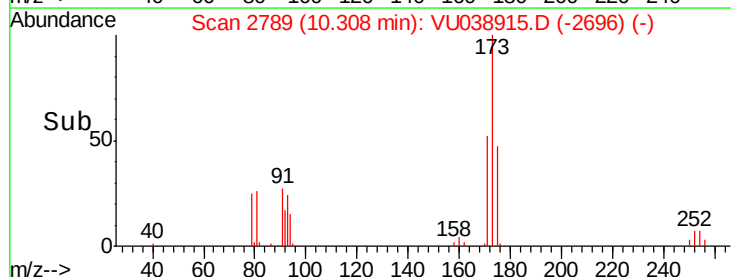
Abundance Ion 172.90 (172.60 to 173.60): VU038892.D (-2776) (-)

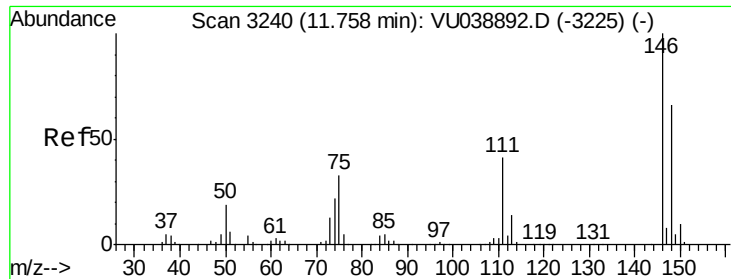
Ion 174.90 (174.60 to 175.60): VU038892.D (-2776) (-)

Ion 253.75 (253.45 to 254.45): VU038892.D (-2776) (-)



Time--> 10.25 10.30 10.35

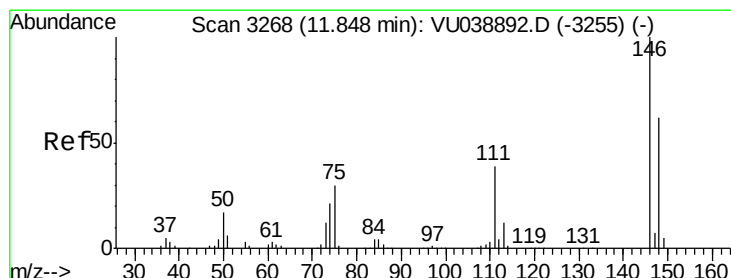
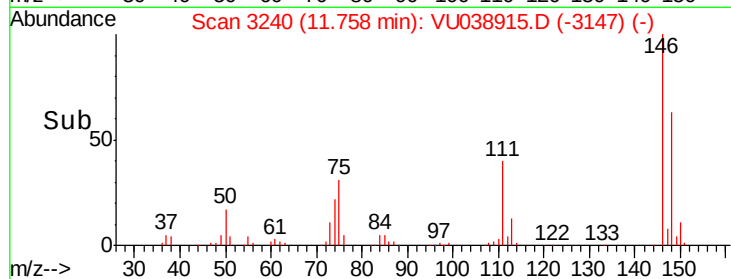
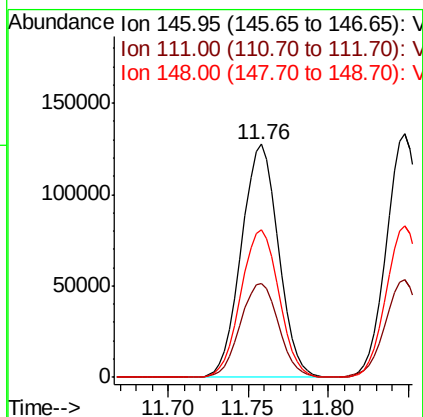
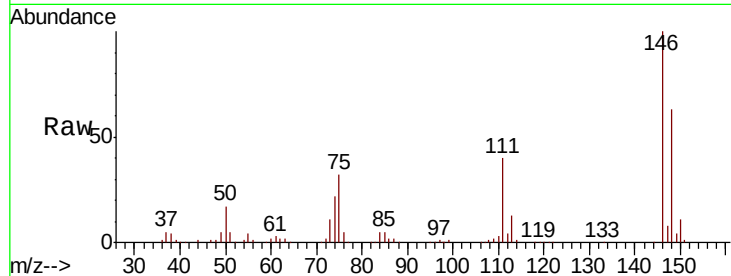




#62
 1,3-Dichlorobenzene
 Concen: 4.865 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU038915.D
 Acq: 16 Jun 2020 00:27

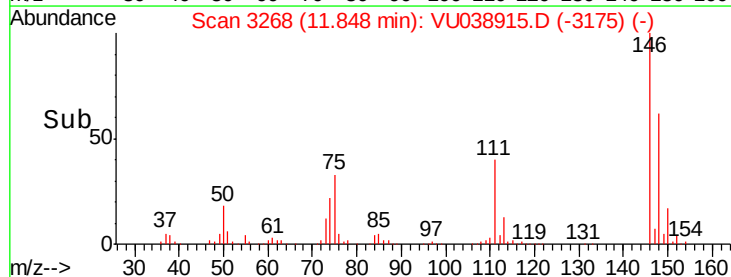
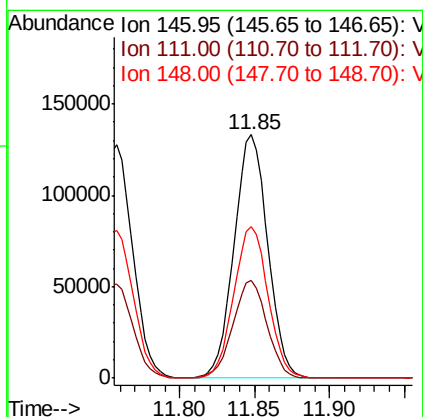
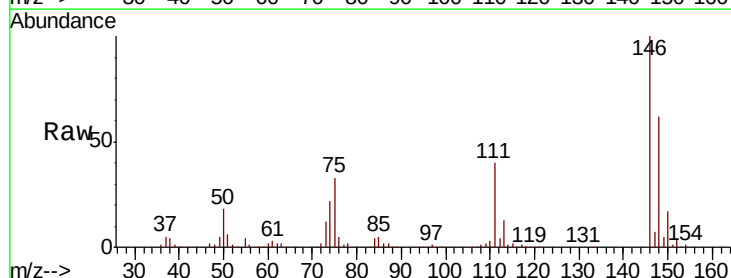
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

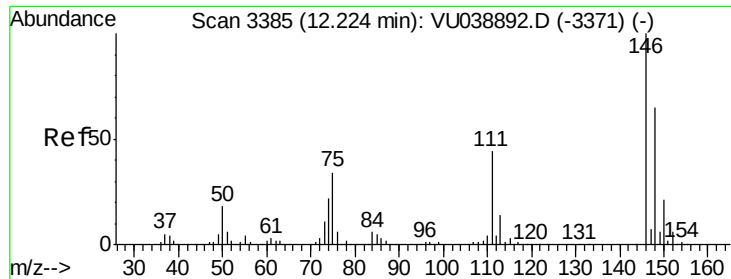
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	29.0	53.8
148	63.4	43.7	81.1



#63
 1,4-Dichlorobenzene
 Concen: 4.960 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU038915.D
 Acq: 16 Jun 2020 00:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	27.7	51.5
148	62.0	44.1	81.9

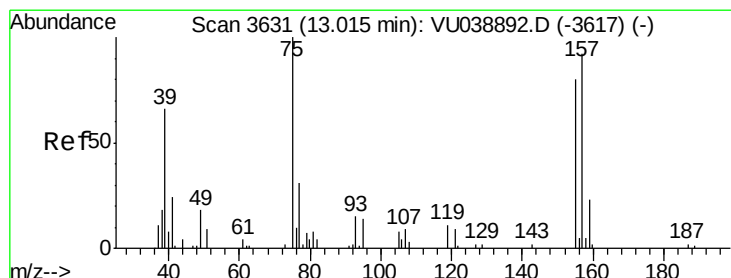
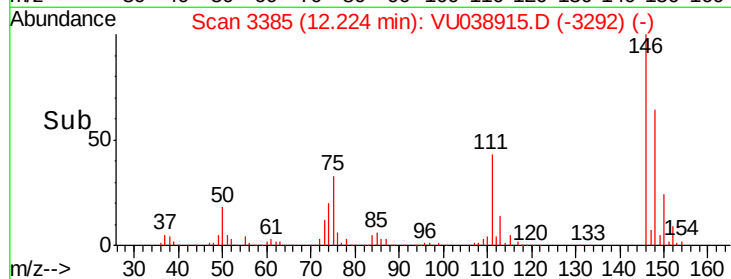
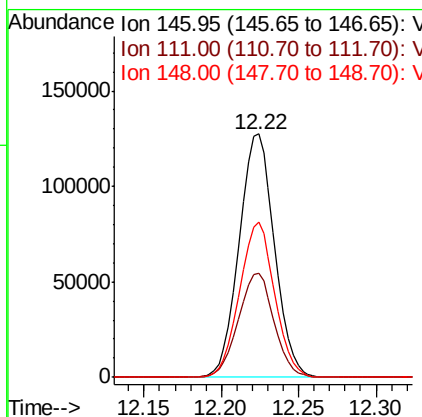
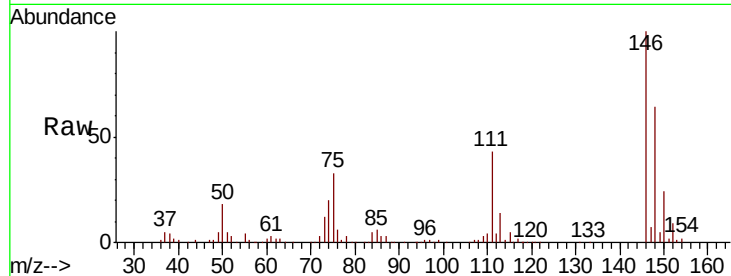




#65
 1,2-Dichlorobenzene
 Concen: 4.891 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. 0.00 min
 Lab File: VU038915.D
 Acq: 16 Jun 2020 00:27

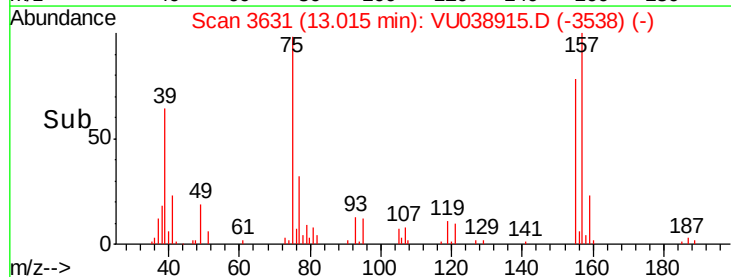
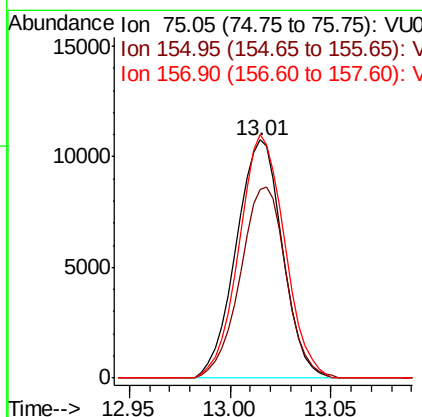
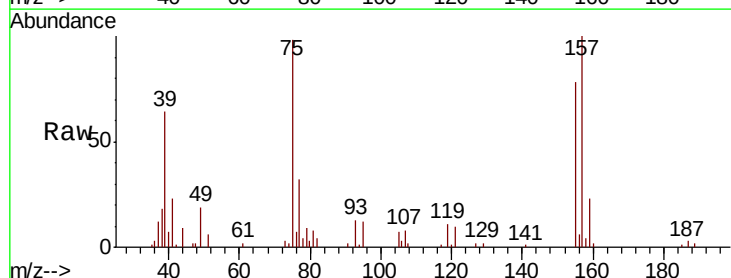
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

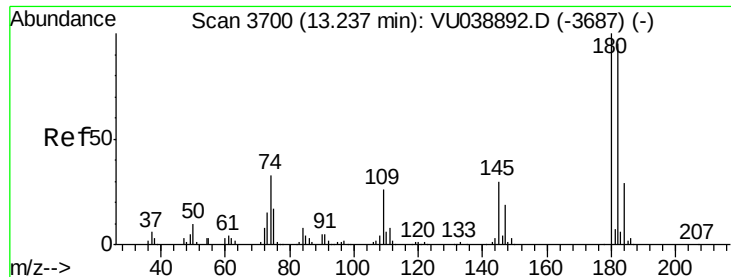
Tot Ion:146 Resp: 201925
 Ion Ratio Lower Upper
 146 100
 111 42.8 35.1 52.7
 148 63.6 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.724 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VU038915.D
 Acq: 16 Jun 2020 00:27

Tgt Ion: 75 Resp: 17271
 Ion Ratio Lower Upper
 75 100
 155 79.3 64.0 96.0
 157 102.1 75.4 113.2

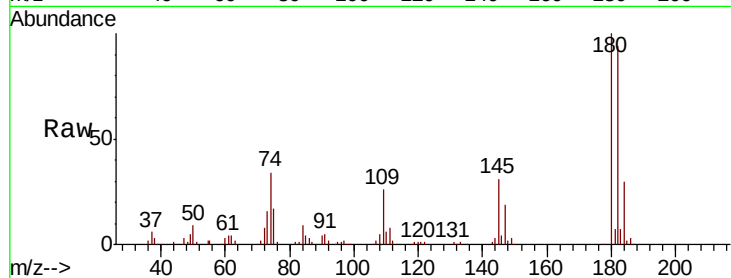




#67
 1,3,5-Trichlorobenzene
 Concen: 4.640 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU038915.D
 Acq: 16 Jun 2020 00:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.8	113.6
184	30.2	24.6	36.8
145	30.2	25.0	37.6



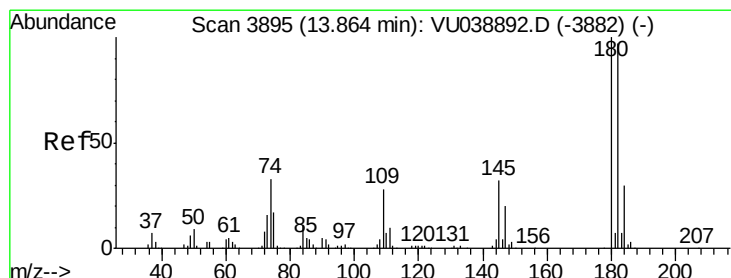
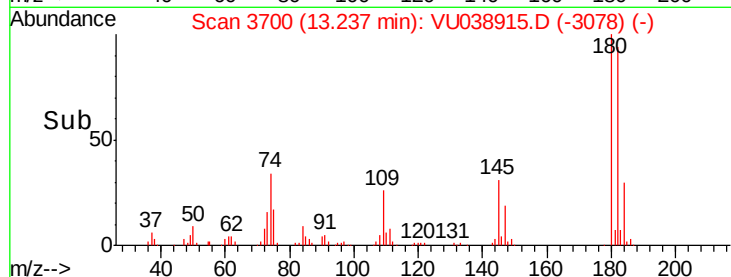
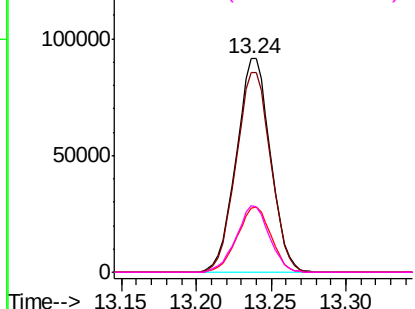
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

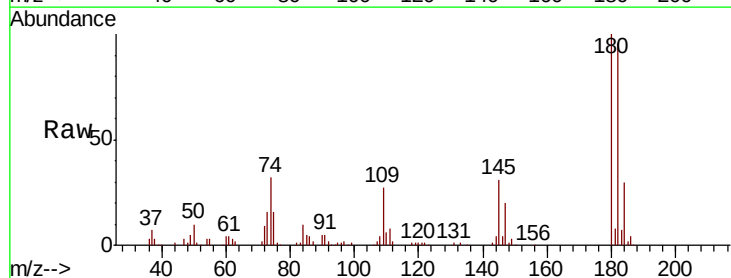
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.056 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU038915.D
 Acq: 16 Jun 2020 00:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.9	113.9
145	31.4	24.7	37.1

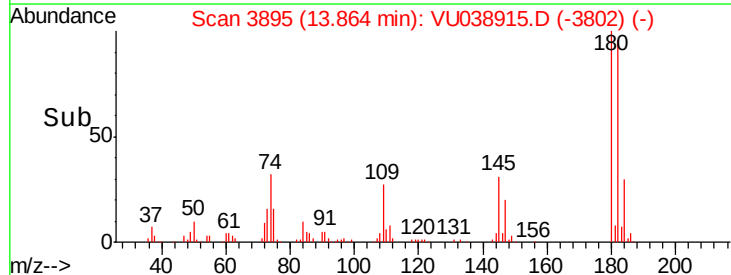
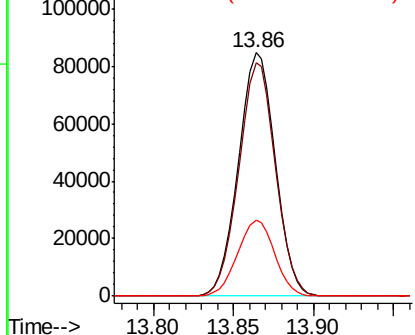


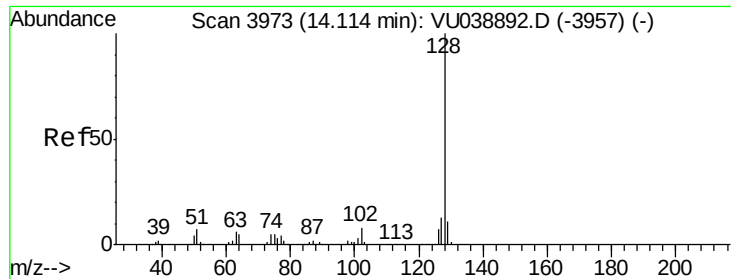
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.070 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU038915.D

Acq: 16 Jun 2020 00:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

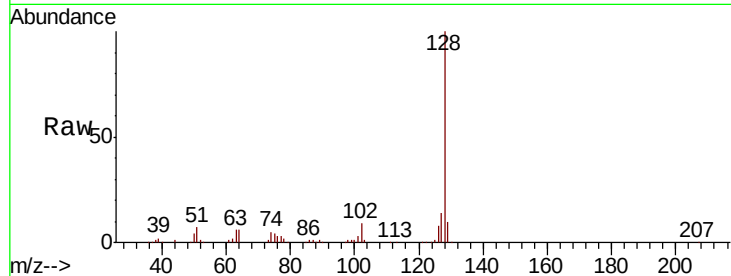
Tot Ion:128 Resp: 249950

Ion Ratio Lower Upper

128 100

129 10.7 8.2 12.4

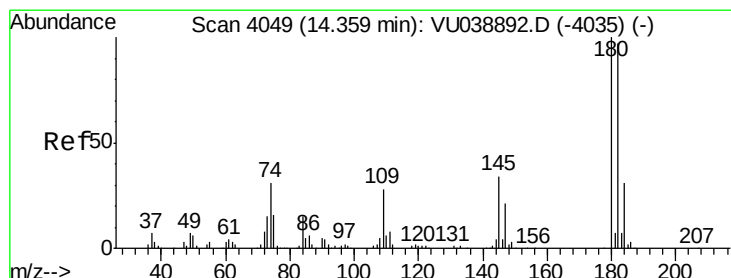
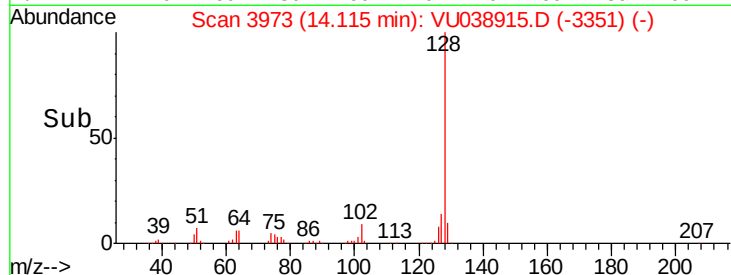
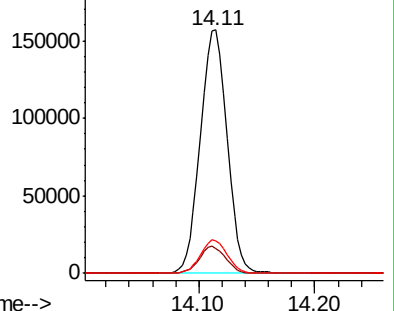
127 13.8 10.1 15.1



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: 5.116 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU038915.D

Acq: 16 Jun 2020 00:27

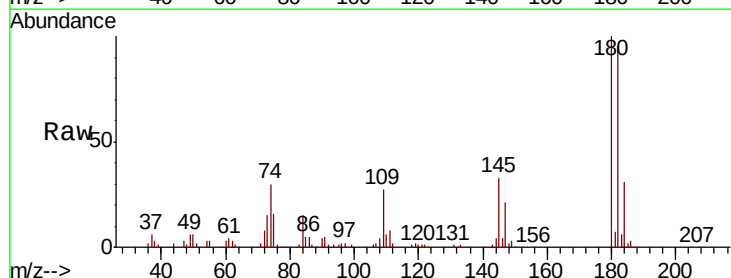
Tgt Ion:180 Resp: 125532

Ion Ratio Lower Upper

180 100

182 95.3 75.1 112.7

145 32.7 26.8 40.2



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

