

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071720\
 Data File : VU039538.D
 Acq On : 17 Jul 2020 09:14
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Quant Time: Jul 17 23:32:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 17 13:59:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	101171	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	97929	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	48051	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	23395	3.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.80%
7) Chloroethane-d5	1.92	69	26916	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.58	63	52796	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.60%
20) 2-Butanone-d5	4.65	46	125362	46.73	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.46%
24) Chloroform-d	5.08	84	63379	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
26) 1,2-Dichloroethane-d4	5.72	65	41968	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
32) Benzene-d6	5.74	84	119244	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.70	67	41289	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.91	98	108769	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
43) trans-1,3-Dichloropropene-	8.19	79	18356	5.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.40%
46) 2-Hexanone-d5	8.64	63	97793	45.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.14%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	39185	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	43757	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	30323	4.945	ug/L 100
3) Chloromethane	1.53	50	31261	4.208	ug/L 99
5) Vinyl chloride	1.61	62	32000	3.879	ug/L 97
6) Bromomethane	1.87	94	20524	5.777	ug/L 96
8) Chloroethane	1.94	64	28460	4.775	ug/L 97
9) Trichlorofluoromethane	2.15	101	69696	4.866	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	28891	4.915	ug/L 98
12) 1,1-Dichloroethene	2.59	96	27394	4.553	ug/L 91
13) Acetone	2.66	43	63580	43.903	ug/L 98
14) Carbon disulfide	2.81	76	84863	4.004	ug/L 97
15) Methyl Acetate	2.97	43	17200	4.496	ug/L 94
16) Methylene chloride	3.06	84	35938	4.748	ug/L 99
17) Methyl tert-butyl Ether	3.38	73	86283	4.551	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	31058	4.663	ug/L 97
19) 1,1-Dichloroethane	3.89	63	61229	4.698	ug/L 98
21) 2-Butanone	4.74	43	116136	44.930	ug/L 99
22) cis-1,2-Dichloroethene	4.68	96	35601	4.766	ug/L 100

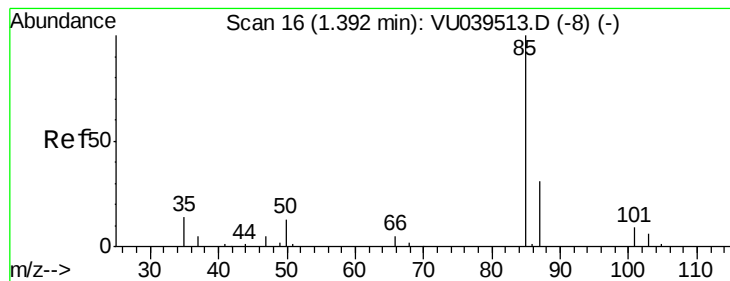
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071720\
 Data File : VU039538.D
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	16553	4.878	uq/L	96
25) Chloroform	5.11	83	71582	5.439	uq/L	95
27) 1,2-Dichloroethane	5.81	62	48451	5.089	uq/L	99
29) 1,1,1-Trichloroethane	5.33	97	59272	5.139	uq/L	98
30) Cyclohexane	5.40	56	56628	4.663	uq/L	99
31) Carbon tetrachloride	5.54	117	50469	5.129	uq/L	99
33) Benzene	5.79	78	138110	4.717	uq/L	100
34) Trichloroethene	6.56	95	37365	4.936	uq/L	97
35) Methylcyclohexane	6.77	83	58211	4.800	uq/L	99
37) 1,2-Dichloropropane	6.80	63	37778	4.733	uq/L	98
38) Bromodichloromethane	7.11	83	49656	4.872	uq/L	99
39) cis-1,3-Dichloropropene	7.62	75	55873	4.631	uq/L	100
40) 4-Methyl-2-pentanone	7.80	43	291527	43.785	uq/L	99
42) Toluene	7.98	91	150998	4.816	uq/L	100
44) trans-1,3-Dichloropropene	8.22	75	49927	4.664	uq/L	99
45) 1,1,2-Trichloroethane	8.41	97	28046	4.892	uq/L	95
47) Tetrachloroethene	8.56	164	27286	5.182	uq/L	98
48) 2-Hexanone	8.69	43	211875	43.158	uq/L	99
49) Dibromochloromethane	8.82	129	33725	4.857	uq/L	98
50) 1,2-Dibromoethane	8.93	107	27627	4.743	uq/L	99
51) Chlorobenzene	9.45	112	94868	4.952	uq/L	97
52) Ethylbenzene	9.57	91	168071	4.851	uq/L	100
53) m,p-Xylene	9.70	106	62277	4.770	uq/L	97
54) o-Xylene	10.10	106	61316	4.824	uq/L	97
55) Styrene	10.12	104	104651	4.732	uq/L	99
56) Isopropylbenzene	10.48	105	167690	4.879	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	35319	4.426	uq/L	98
59) 1,2,3-Trichloropropane	10.82	75	27115	4.610	uq/L	96
61) Bromoform	10.29	173	20112	4.966	uq/L	98
62) 1,3-Dichlorobenzene	11.74	146	74399	4.941	uq/L	98
63) 1,4-Dichlorobenzene	11.83	146	73265	4.850	uq/L	99
65) 1,2-Dichlorobenzene	12.21	146	72246	4.786	uq/L	100
66) 1,2-Dibromo-3-chloropropan	12.99	75	6194	4.645	uq/L	96
67) 1,3,5-Trichlorobenzene	13.21	180	55244	4.903	uq/L	98
68) 1,2,4-trichlorobenzene	13.83	180	45107	4.678	uq/L	95
69) Naphthalene	14.08	128	70468	3.632	uq/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	40141	4.493	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.945 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU039538.D

Acq: 17 Jul 2020 09:14

Instrument :

MSVOA_U

ClientSampleId :

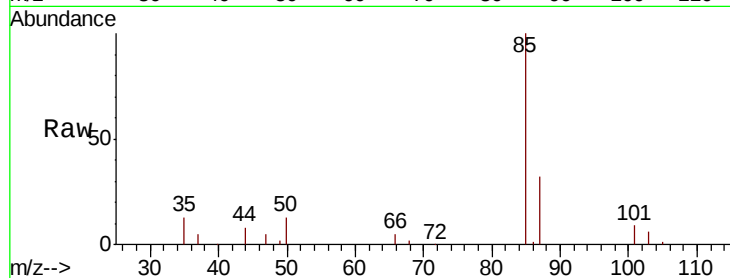
VSTD00525

Tot Ion: 85 Resp: 30323

Ion Ratio Lower Upper

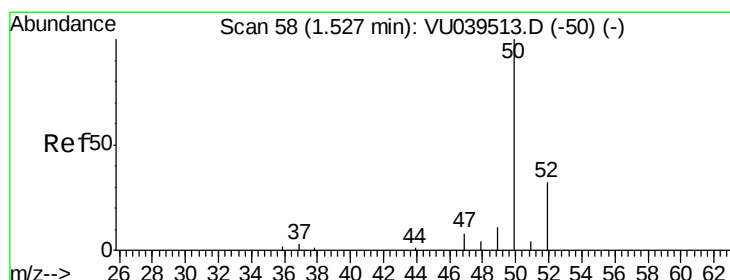
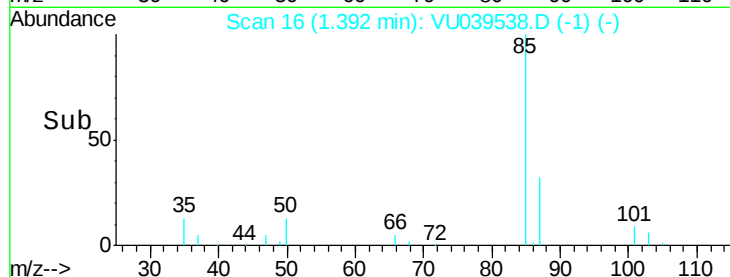
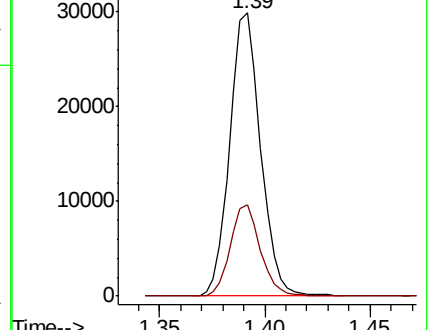
85 100

87 31.3 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU039513.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039513.D (-8) (-)



#3

Chloromethane

Concen: 4.208 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039538.D

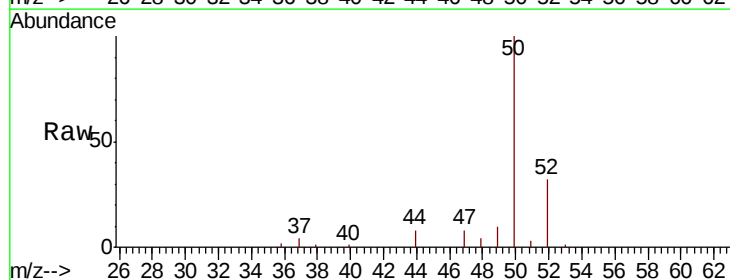
Acq: 17 Jul 2020 09:14

Tgt Ion: 50 Resp: 31261

Ion Ratio Lower Upper

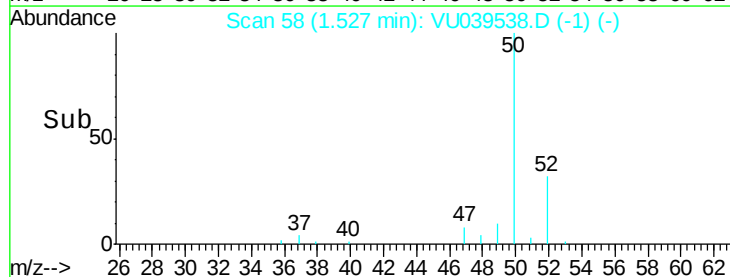
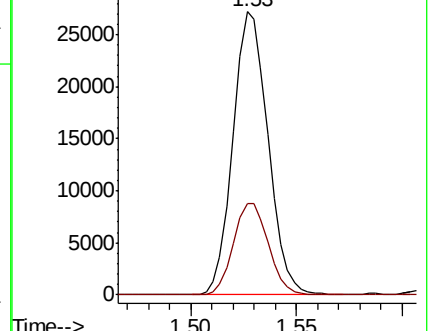
50 100

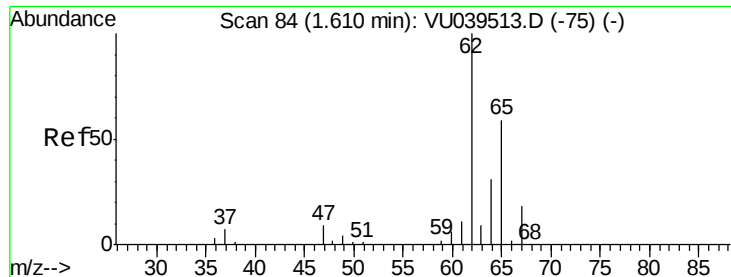
52 32.4 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU039513.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU039513.D (-50) (-)





#5

Vinyl chloride

Concen: 3.879 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039538.D

Acq: 17 Jul 2020 09:14

Instrument :

MSVOA_U

ClientSampleId :

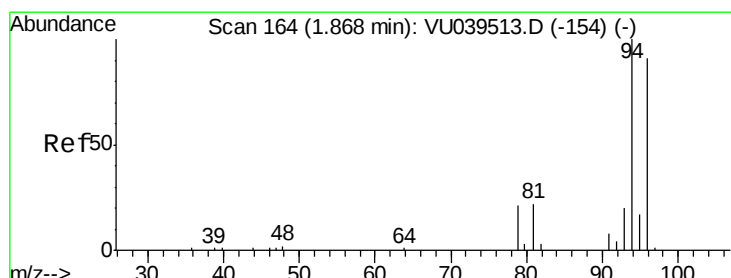
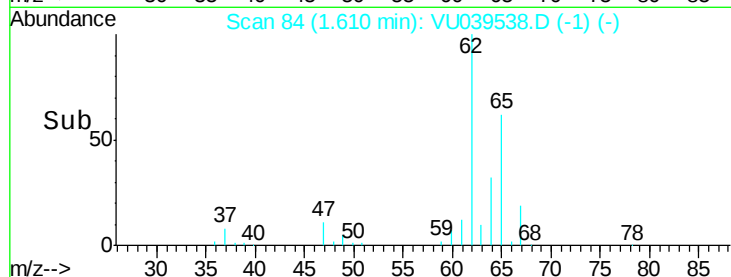
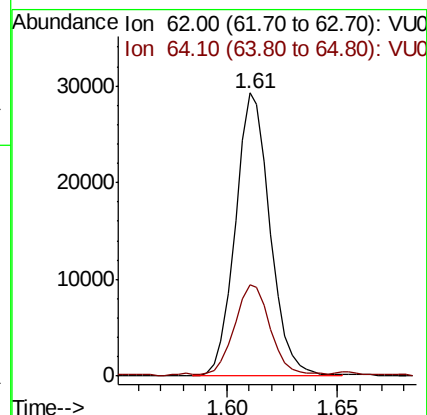
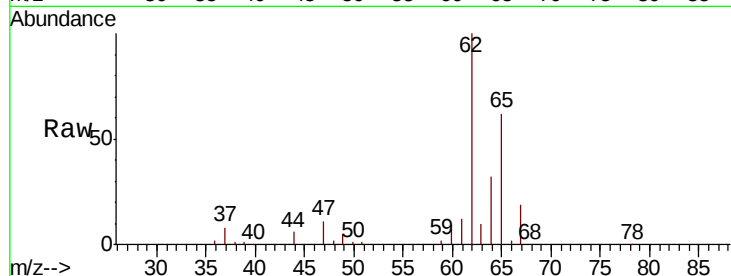
VSTD00525

Tot Ion: 62 Resp: 32000

Ion Ratio Lower Upper

62 100

64 32.3 23.7 44.1



#6

Bromomethane

Concen: 5.777 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU039538.D

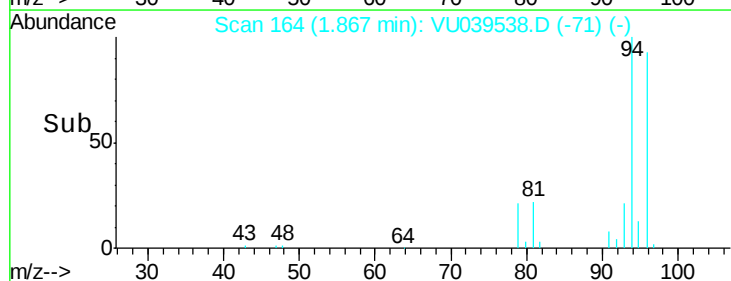
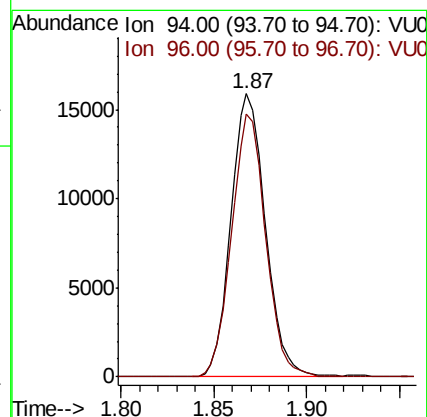
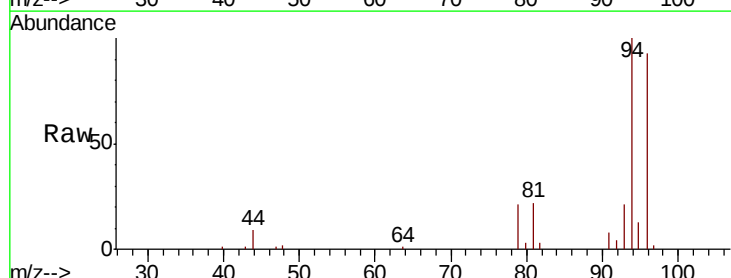
Acq: 17 Jul 2020 09:14

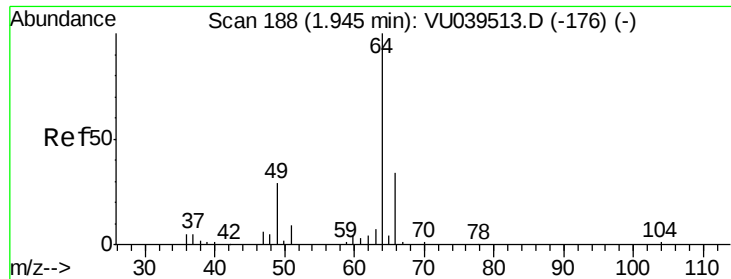
Tgt Ion: 94 Resp: 20524

Ion Ratio Lower Upper

94 100

96 92.9 62.7 116.5





#8

Chloroethane

Concen: 4.775 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU039538.D

Acq: 17 Jul 2020 09:14

Instrument :

MSVOA_U

ClientSampleId :

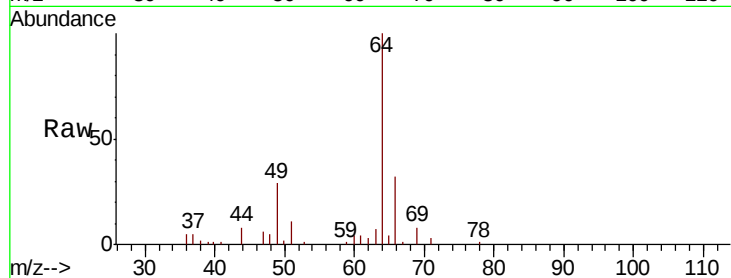
VSTD00525

Tot Ion: 64 Resp: 28460

Ion Ratio Lower Upper

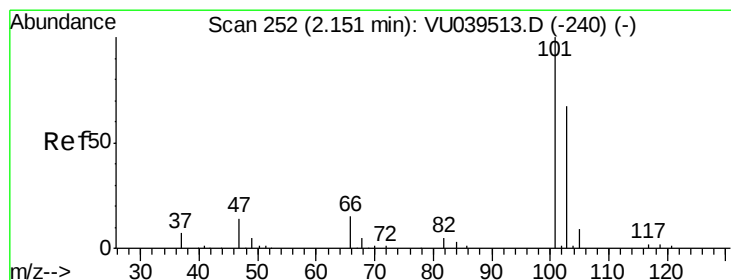
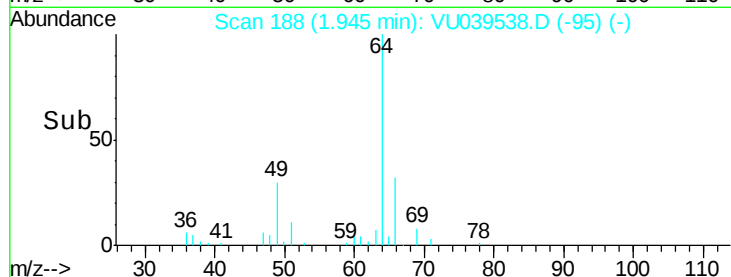
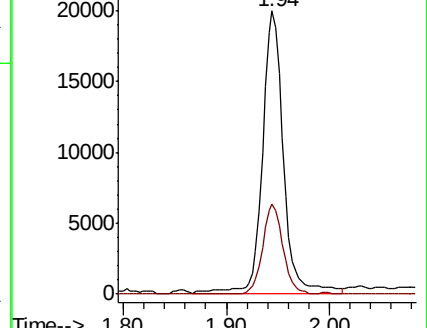
64 100

66 31.9 23.5 43.7



Abundance Ion 64.10 (63.80 to 64.80): VU039538.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU039538.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 4.866 ug/L

RT: 2.15 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU039538.D

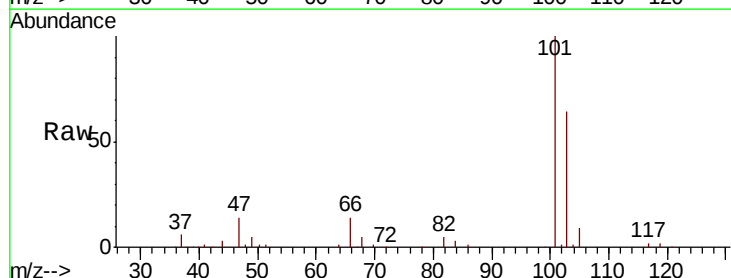
Acq: 17 Jul 2020 09:14

Tgt Ion:101 Resp: 69696

Ion Ratio Lower Upper

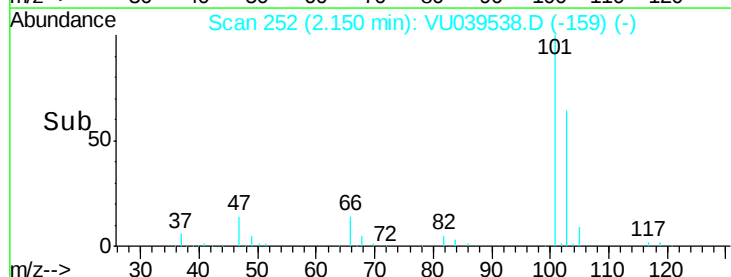
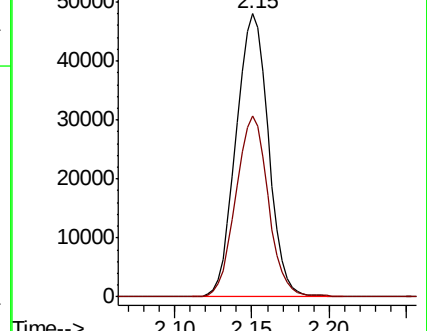
101 100

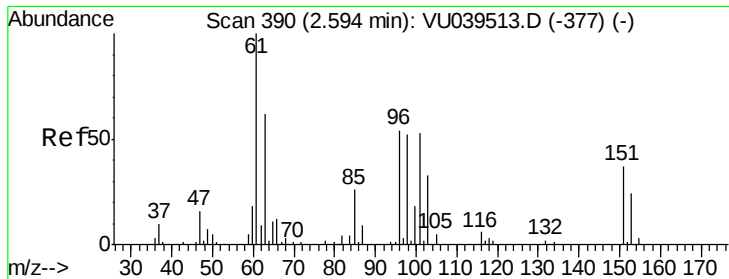
103 63.8 50.6 76.0



Abundance Ion 101.00 (100.70 to 101.70): VU039538.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU039538.D (-240) (-)





#10

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

Concen: 4.915 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039538.D

Acq: 17 Jul 2020 09:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

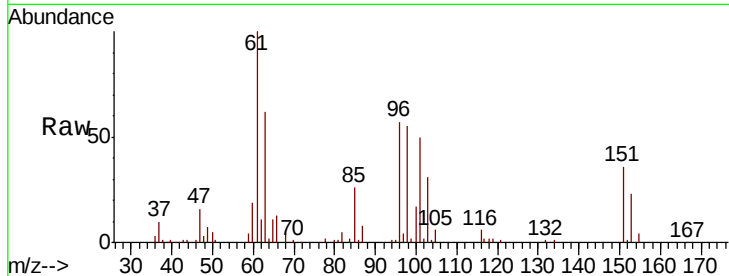
Tot Ion:101 Resp: 28891

Ion Ratio Lower Upper

101 100

85 49.9 38.9 58.3

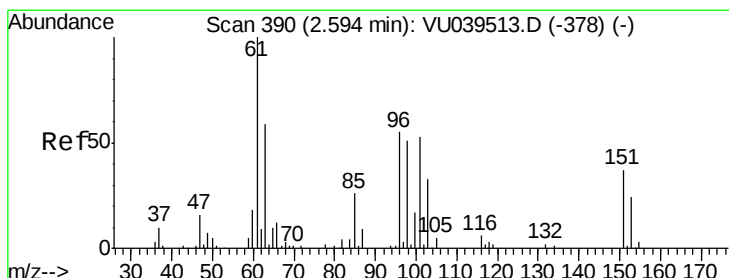
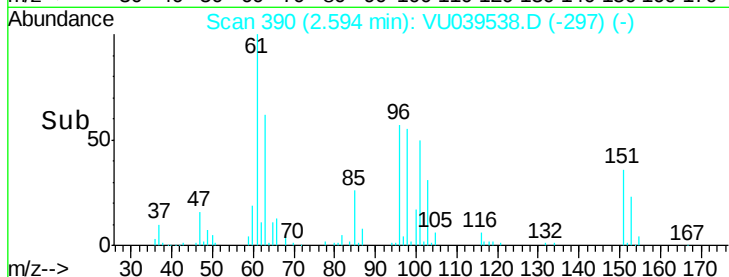
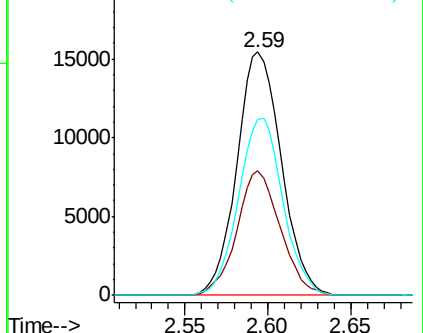
151 72.3 57.0 85.4



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: 4.553 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039538.D

Acq: 17 Jul 2020 09:14

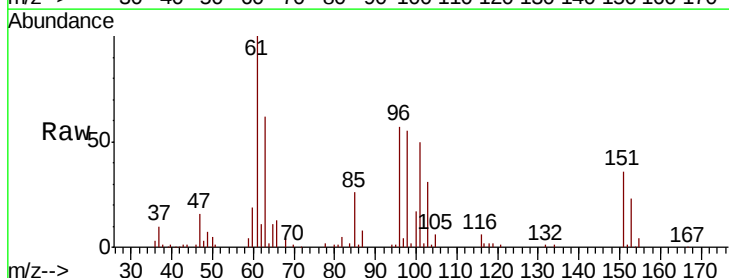
Tgt Ion: 96 Resp: 27394

Ion Ratio Lower Upper

96 100

61 176.6 125.4 232.8

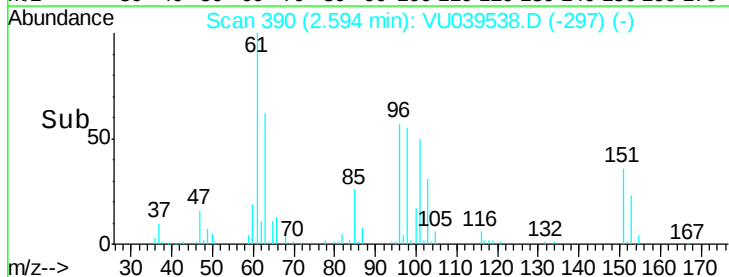
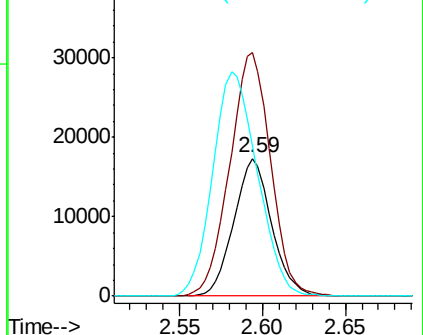
63 109.4 92.7 172.3

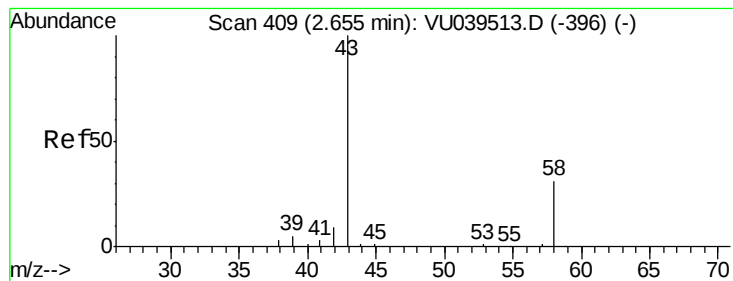


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 43.903 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU039538.D

Acq: 17 Jul 2020 09:14

Instrument :

MSVOA_U

ClientSampleId :

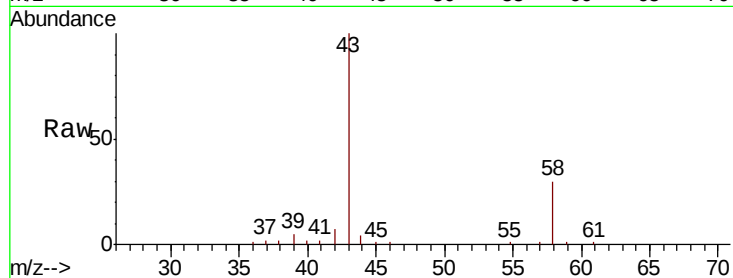
VSTD00525

Tot Ion: 43 Resp: 63580

Ion Ratio Lower Upper

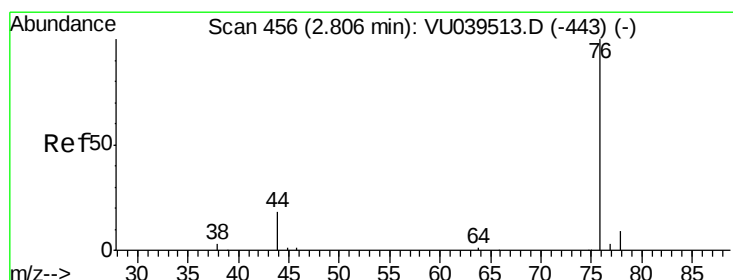
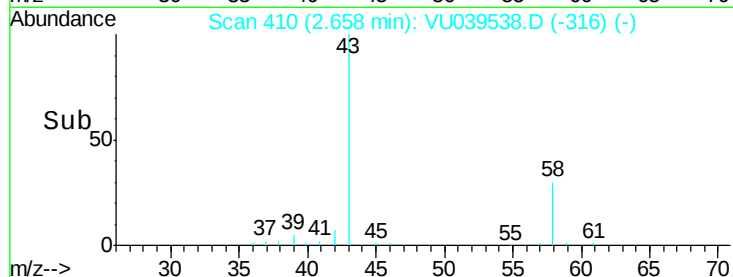
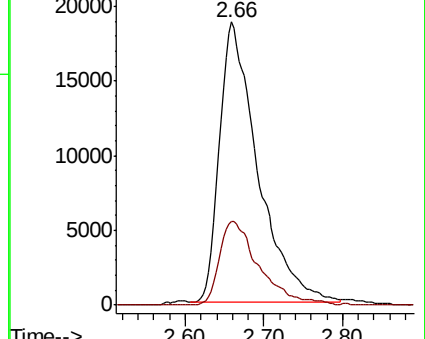
43 100

58 30.0 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.004 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU039538.D

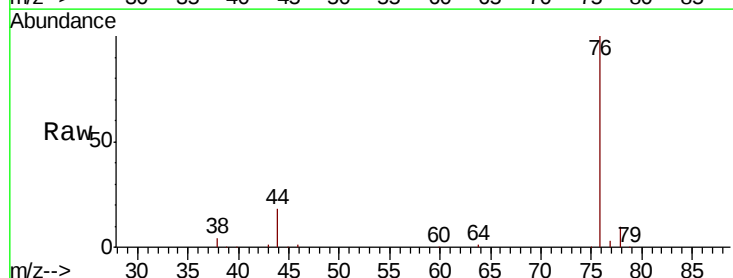
Acq: 17 Jul 2020 09:14

Tgt Ion: 76 Resp: 84863

Ion Ratio Lower Upper

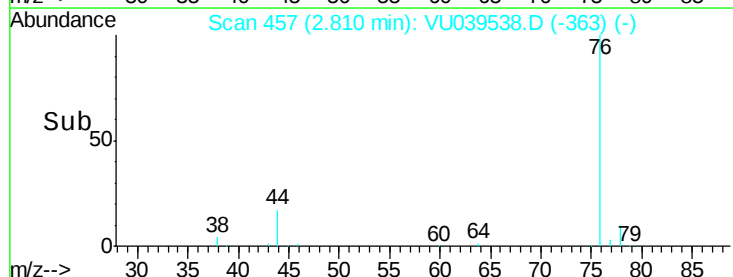
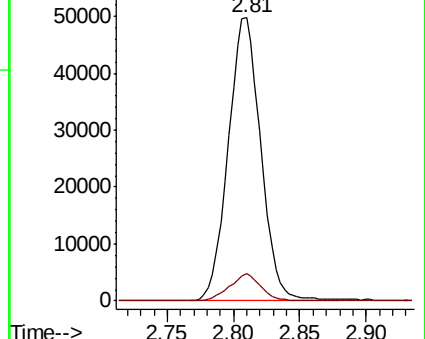
76 100

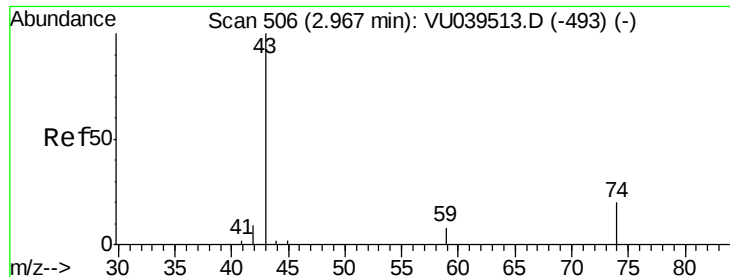
78 9.6 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methvl Acetate

Concen: 4.496 ug/L

RT: 2.97 min Scan# 506

Delta R.T. -0.00 min

Lab File: VU039538.D

Acq: 17 Jul 2020 09:14

Instrument :

MSVOA_U

ClientSampleId :

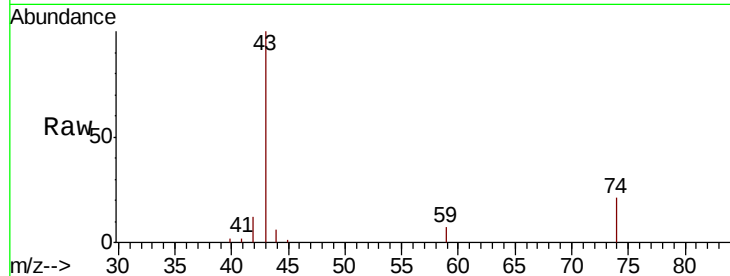
VSTD00525

Tot Ion: 43 Resp: 17200

Ion Ratio Lower Upper

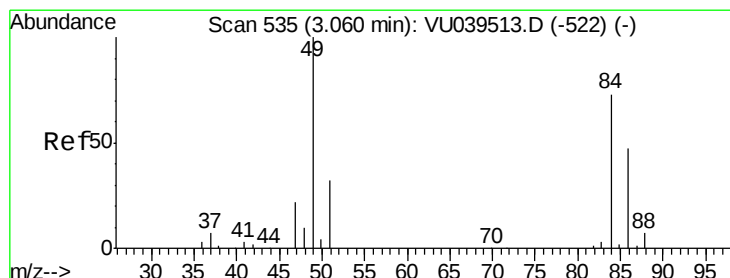
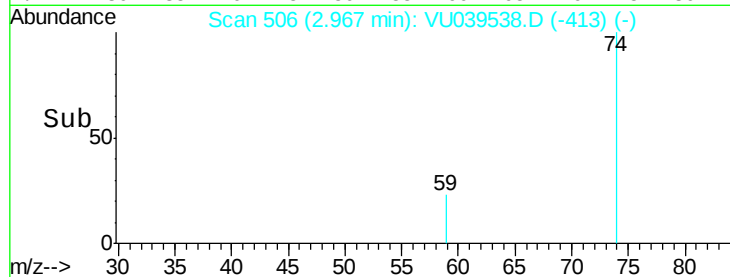
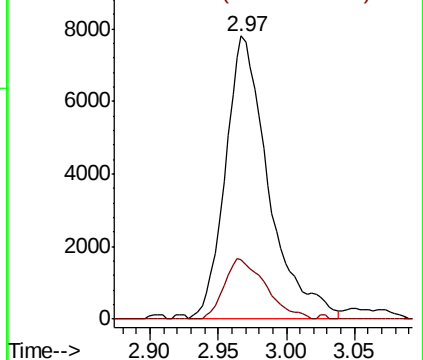
43 100

74 20.5 18.7 28.1



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.748 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU039538.D

Acq: 17 Jul 2020 09:14

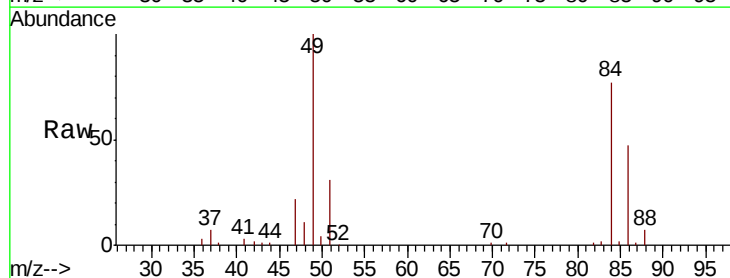
Tgt Ion: 84 Resp: 35938

Ion Ratio Lower Upper

84 100

86 60.7 43.5 80.9

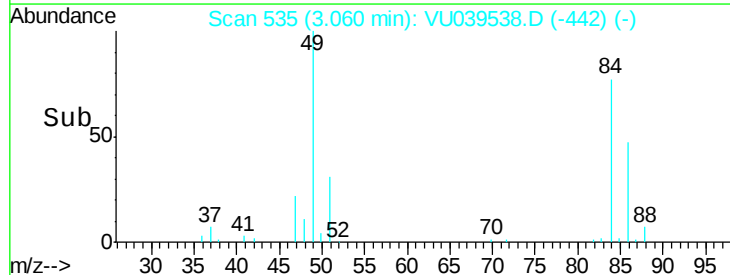
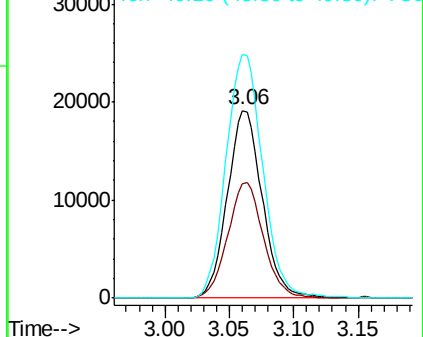
49 129.7 91.1 169.1

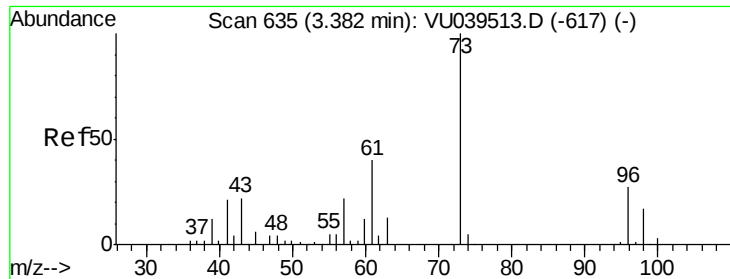


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

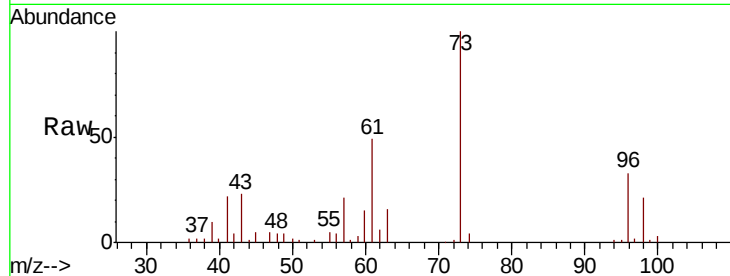




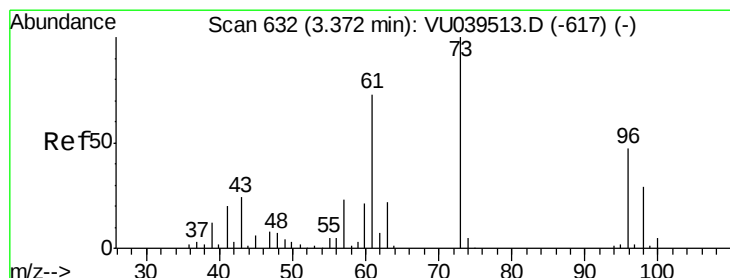
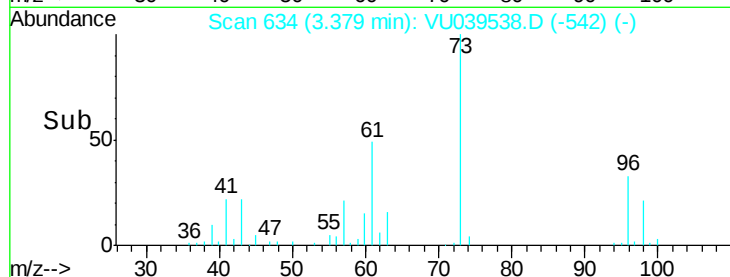
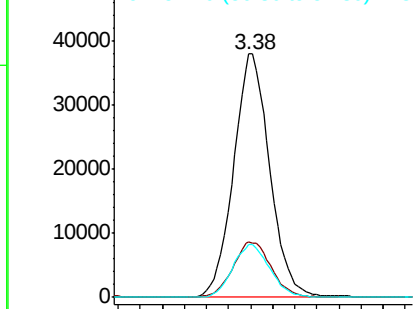
#17
Methvl tert-butvl Ether
Concen: 4.551 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU039538.D
Acq: 17 Jul 2020 09:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Tot Ion: 73 Resp: 86283
Ion Ratio Lower Upper
73 100
43 24.1 18.6 28.0
57 22.3 17.9 26.9

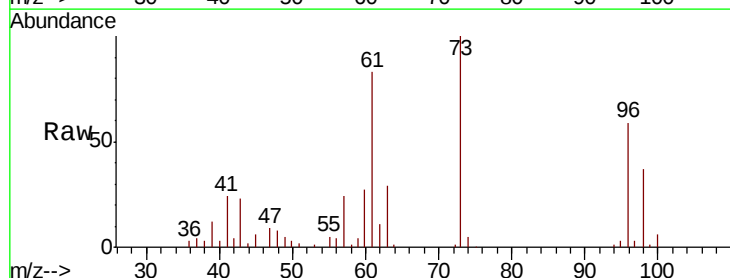


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

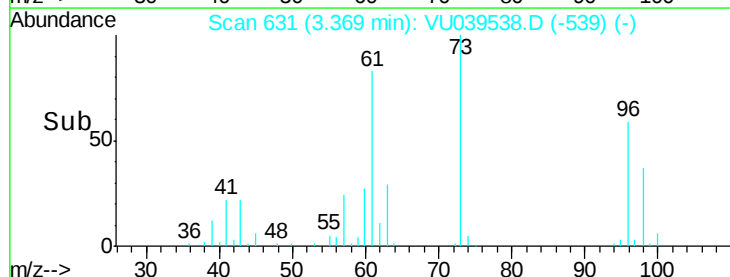
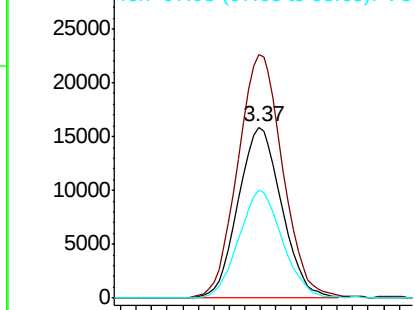


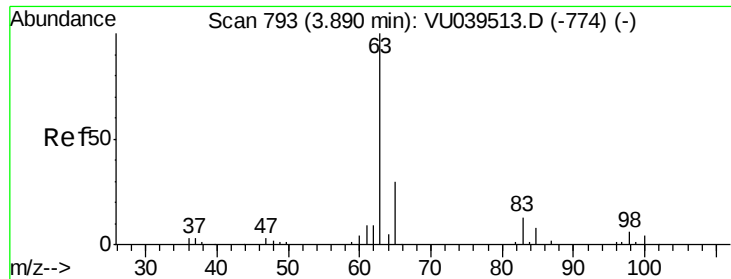
#18
trans-1,2-Dichloroethene
Concen: 4.663 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU039538.D
Acq: 17 Jul 2020 09:14

Tgt Ion: 96 Resp: 31058
Ion Ratio Lower Upper
96 100
61 142.4 102.1 189.5
98 63.1 42.5 78.9



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

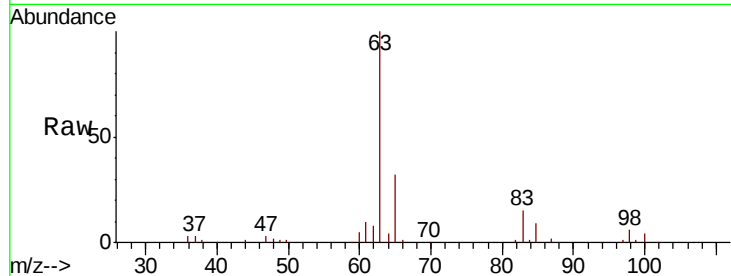




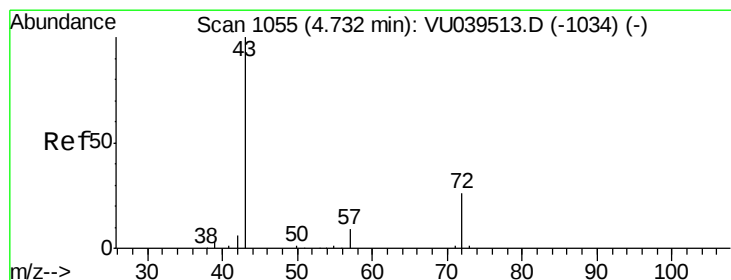
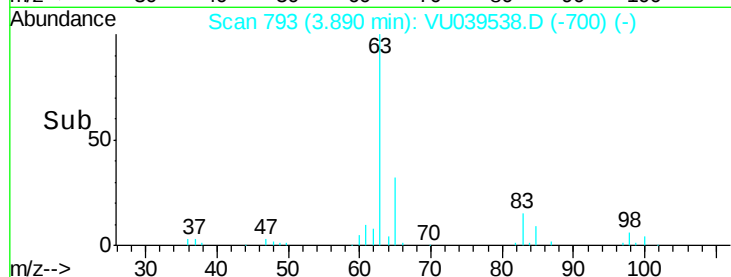
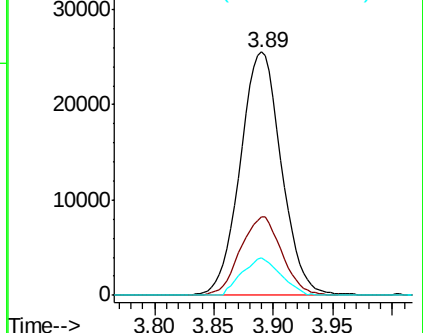
#19
 1,1-Dichloroethane
 Concen: 4.698 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU039538.D
 Acq: 17 Jul 2020 09:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tot Ion: 63 Resp: 61229
 Ion Ratio Lower Upper
 63 100
 65 32.3 23.0 42.6
 83 15.4 9.6 17.8

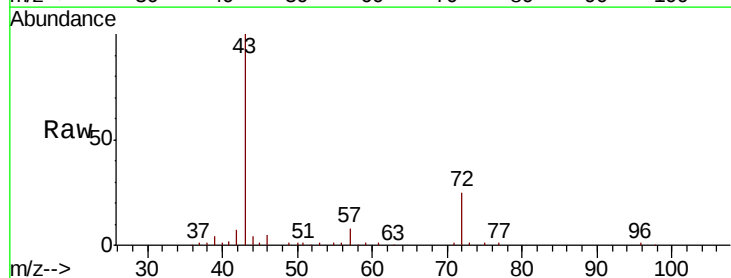


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

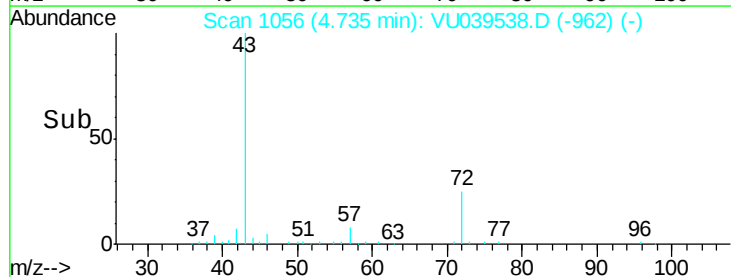
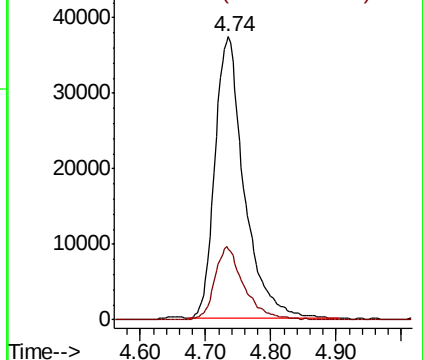


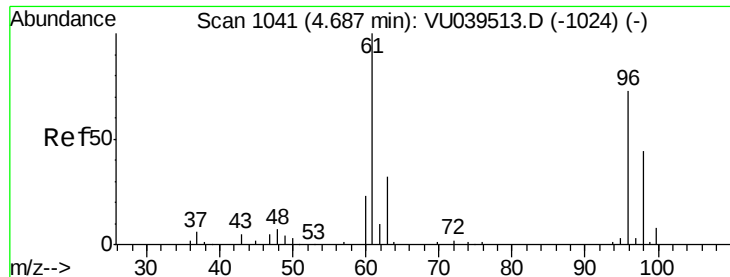
#21
 2-Butanone
 Concen: 44.930 ug/L
 RT: 4.74 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VU039538.D
 Acq: 17 Jul 2020 09:14

Tgt Ion: 43 Resp: 116136
 Ion Ratio Lower Upper
 43 100
 72 26.0 13.2 39.5



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





#22

cis-1,2-Dichloroethene

Concen: 4.766 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU039538.D

Acq: 17 Jul 2020 09:14

Instrument :

MSVOA_U

ClientSampled :

VSTD00525

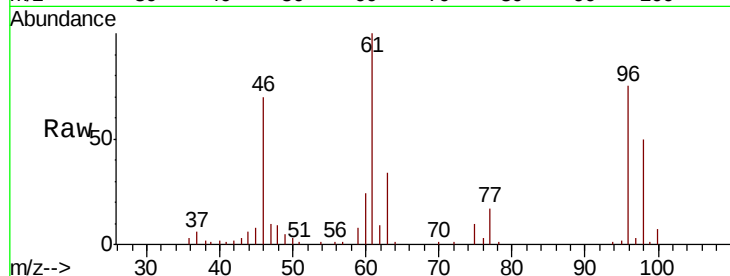
Tot Ion: 96 Resp: 35601

Ion Ratio Lower Upper

96 100

61 132.9 92.8 172.4

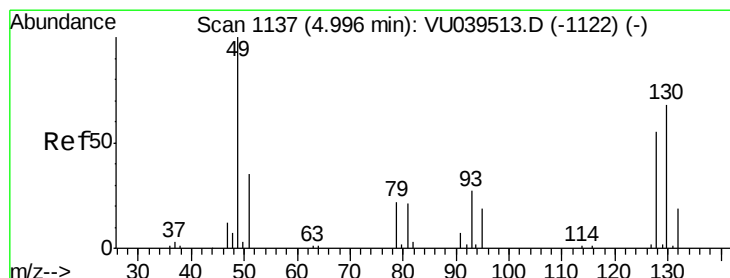
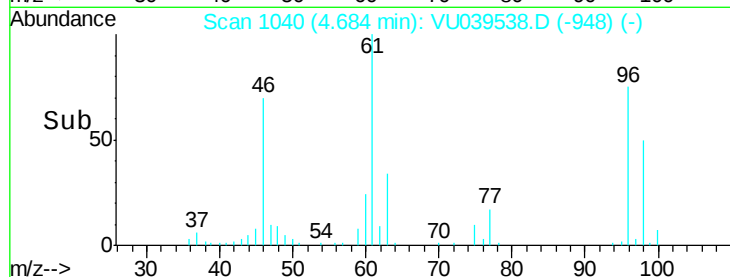
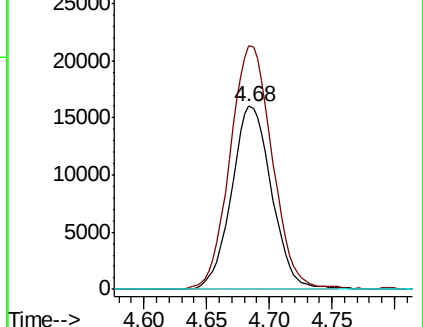
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039538.D (-1040) (-)

Ion 61.05 (60.75 to 61.75): VU039538.D (-1040) (-)

Ion 68.15 (67.85 to 68.85): VU039538.D (-1040) (-)



#23

Bromochloromethane

Concen: 4.878 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU039538.D

Acq: 17 Jul 2020 09:14

Tgt Ion: 128 Resp: 16553

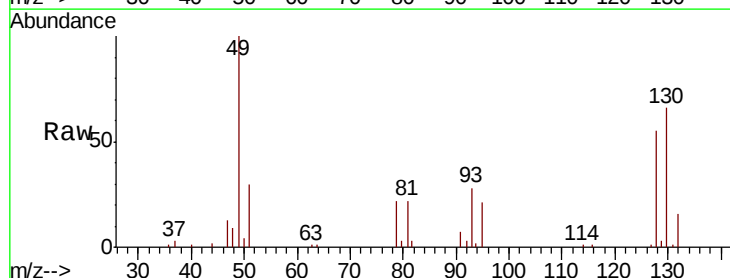
Ion Ratio Lower Upper

128 100

49 181.8 128.5 238.7

130 120.7 91.5 169.9

51 54.7 47.0 70.6

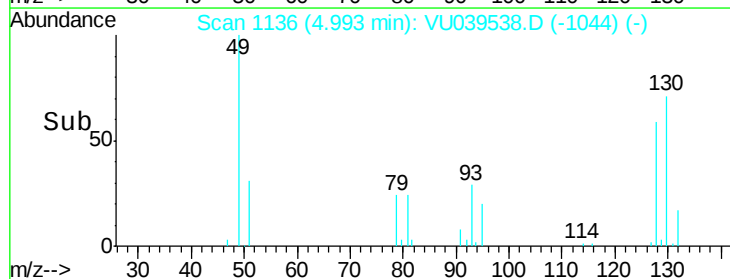
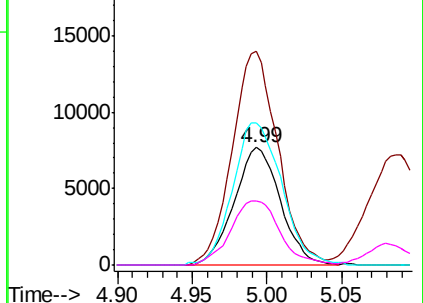


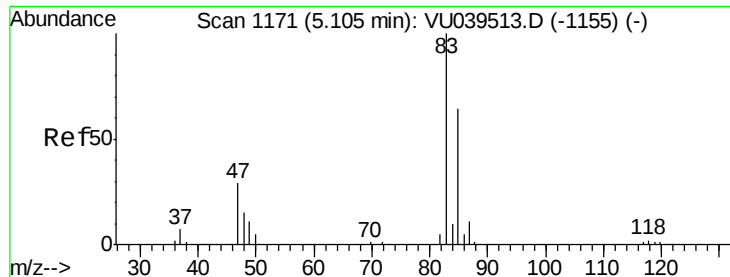
Abundance Ion 127.90 (127.60 to 128.60): VU039538.D (-1136) (-)

Ion 49.10 (48.80 to 49.80): VU039538.D (-1136) (-)

Ion 129.95 (129.65 to 130.65): VU039538.D (-1136) (-)

Ion 51.05 (50.75 to 51.75): VU039538.D (-1136) (-)

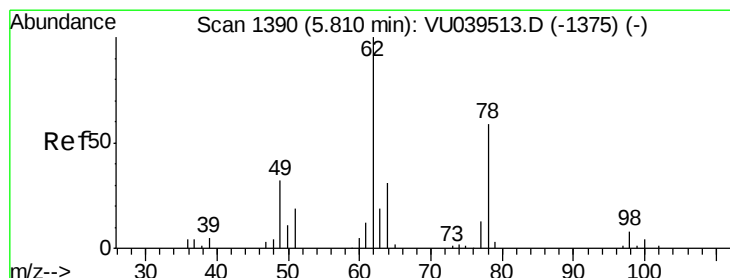
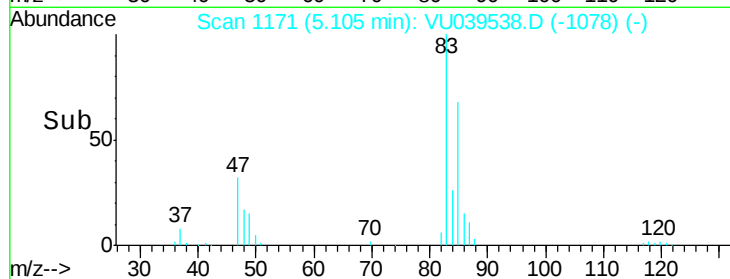
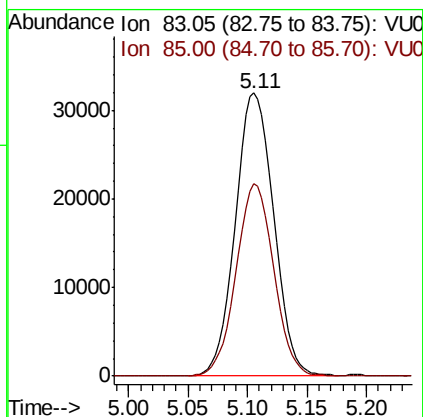
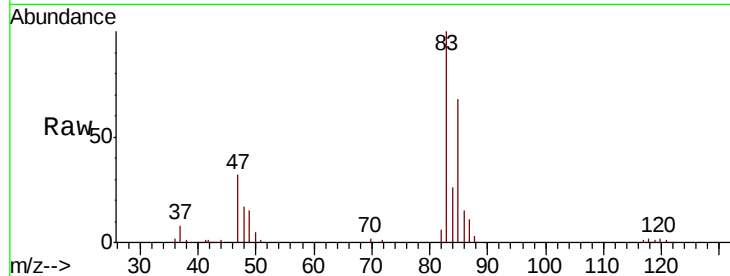




#25
Chloroform
Concen: 5.439 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU039538.D
Acq: 17 Jul 2020 09:14

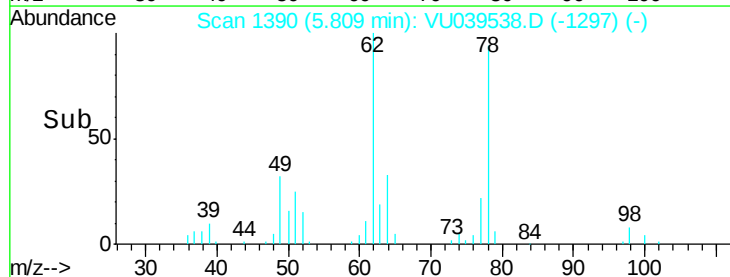
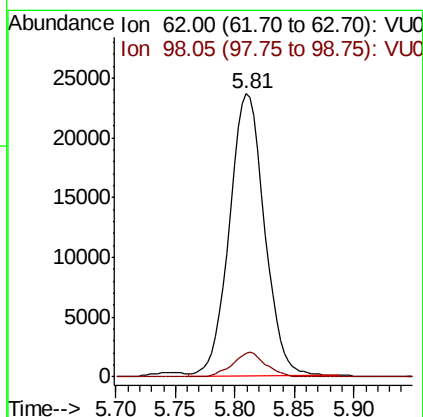
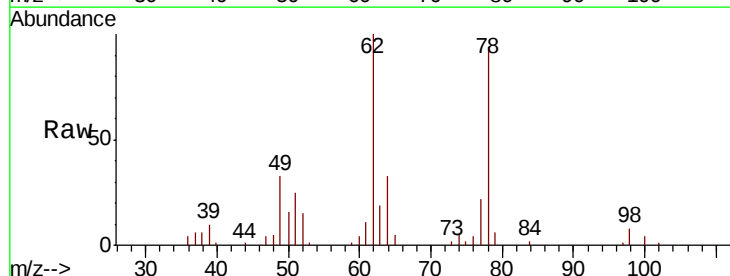
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

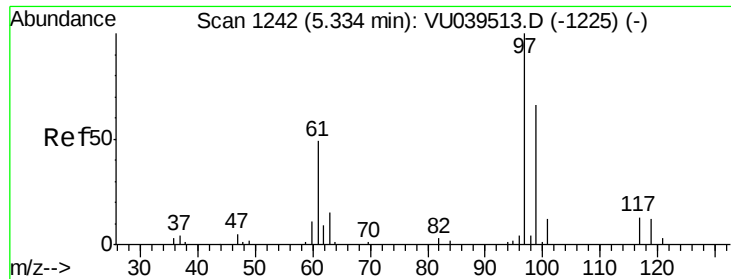
Tot Ion: 83 Resp: 71582
Ion Ratio Lower Upper
83 100
85 68.2 44.9 83.5



#27
1,2-Dichloroethane
Concen: 5.089 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU039538.D
Acq: 17 Jul 2020 09:14

Tgt Ion: 62 Resp: 48451
Ion Ratio Lower Upper
62 100
98 8.2 6.3 9.5

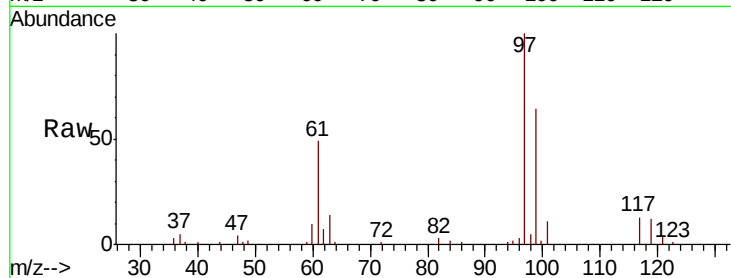




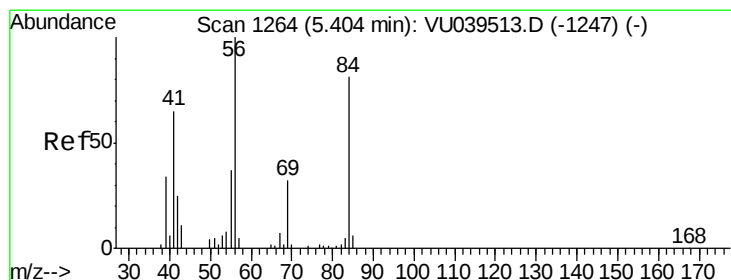
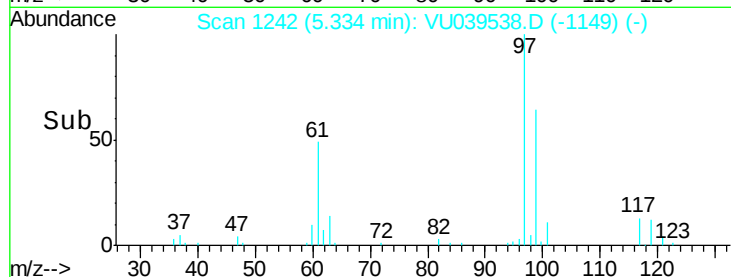
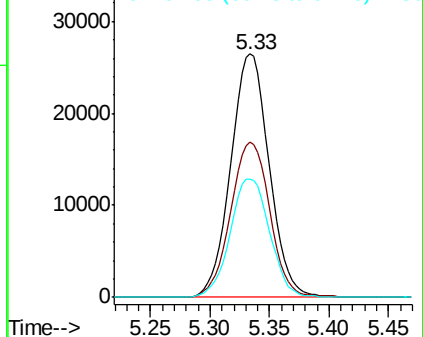
#29
 1,1,1-Trichloroethane
 Concen: 5.139 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU039538.D
 Acq: 17 Jul 2020 09:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tot Ion: 97 Resp: 59272
 Ion Ratio Lower Upper
 97 100
 99 65.1 52.6 79.0
 61 50.0 37.9 56.9

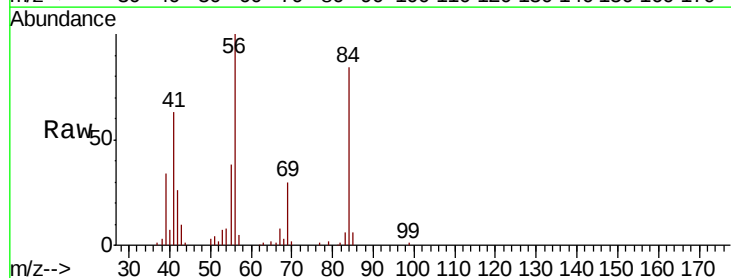


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

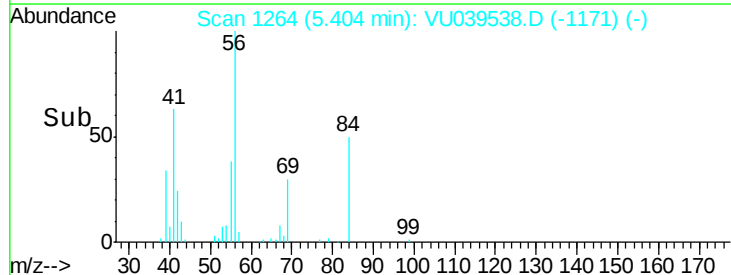
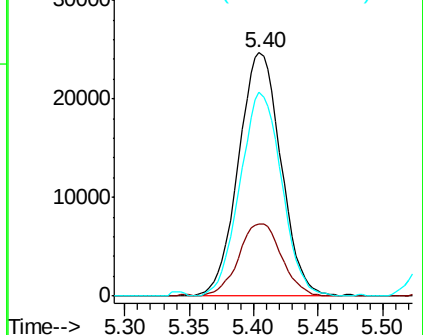


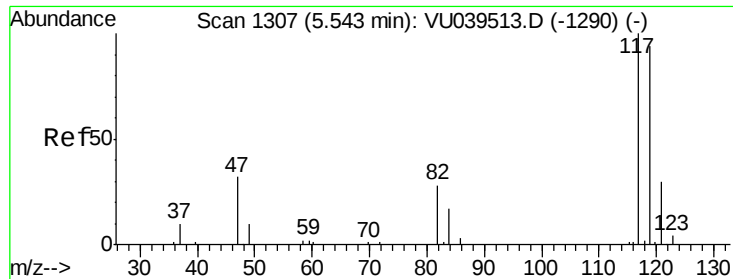
#30
 Cyclohexane
 Concen: 4.663 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU039538.D
 Acq: 17 Jul 2020 09:14

Tgt Ion: 56 Resp: 56628
 Ion Ratio Lower Upper
 56 100
 69 30.2 24.1 36.1
 84 82.2 67.0 100.6



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.129 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU039538.D

Acq: 17 Jul 2020 09:14

Instrument :

MSVOA_U

ClientSampleId :

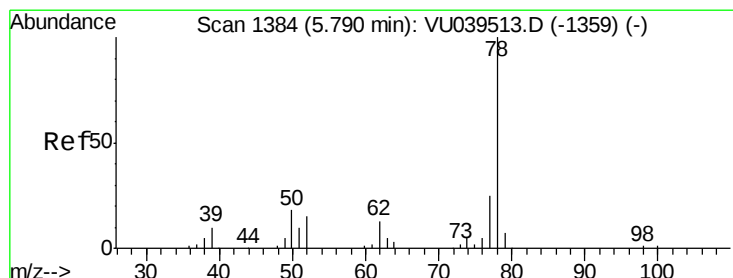
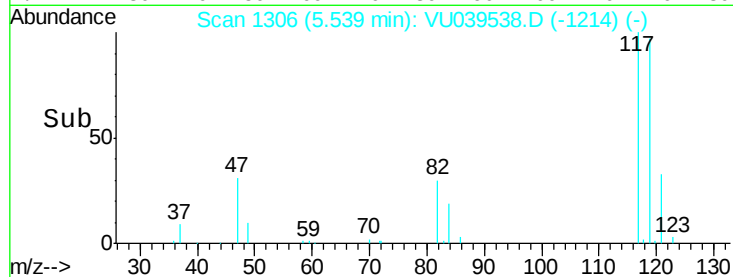
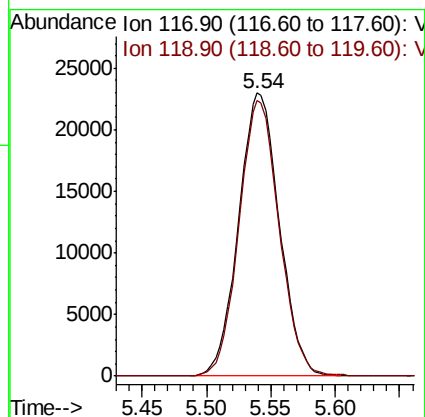
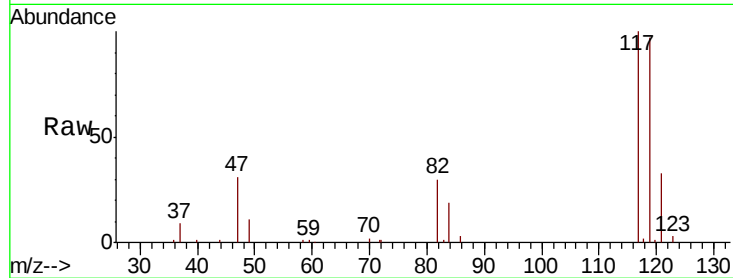
VSTD00525

Tot Ion:117 Resp: 50469

Ion Ratio Lower Upper

117 100

119 96.0 77.4 116.0



#33

Benzene

Concen: 4.717 ug/L

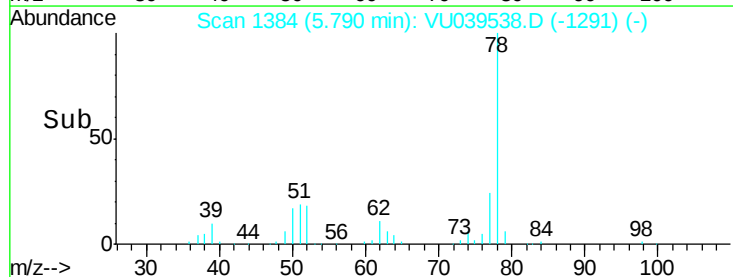
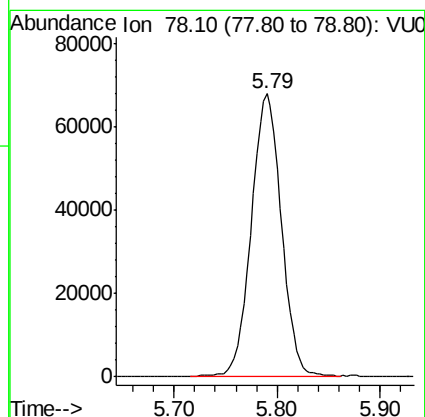
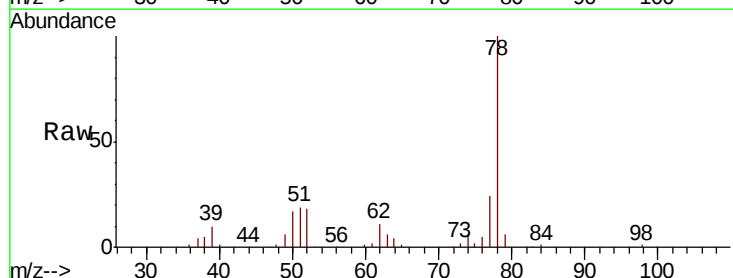
RT: 5.79 min Scan# 1384

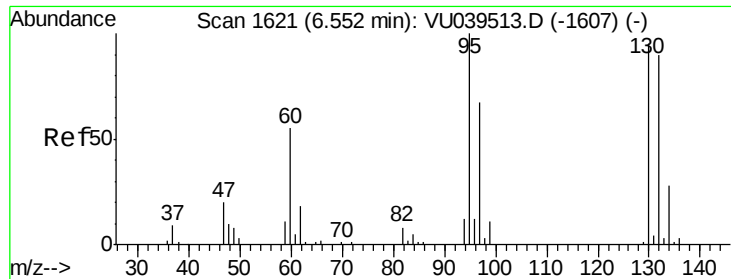
Delta R.T. -0.00 min

Lab File: VU039538.D

Acq: 17 Jul 2020 09:14

Tgt Ion: 78 Resp: 138110

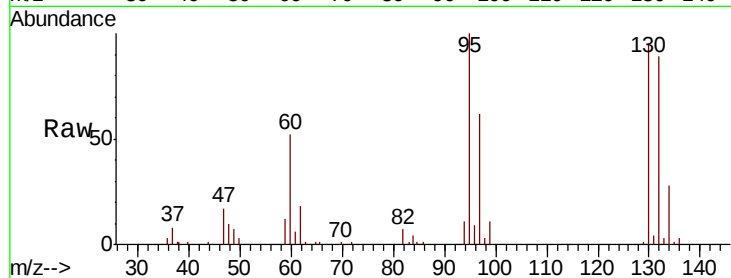




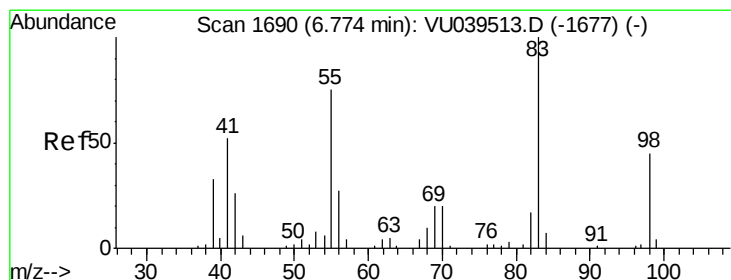
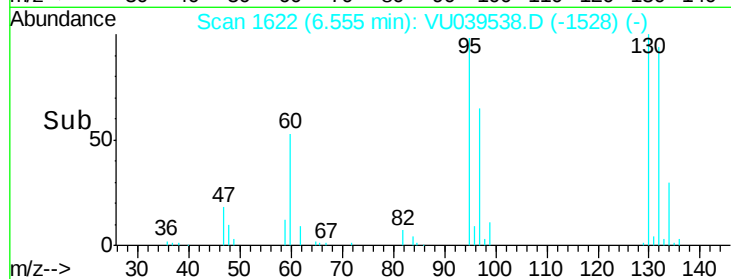
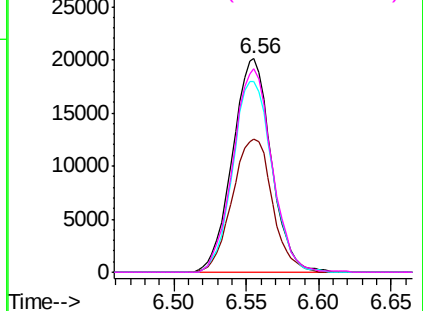
#34
 Trichloroethene
 Concen: 4.936 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU039538.D
 Acq: 17 Jul 2020 09:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tot Ion: 95 Resp: 37365
 Ion Ratio Lower Upper
 95 100
 97 62.2 46.3 85.9
 132 89.2 64.0 118.8
 130 95.3 64.3 119.5

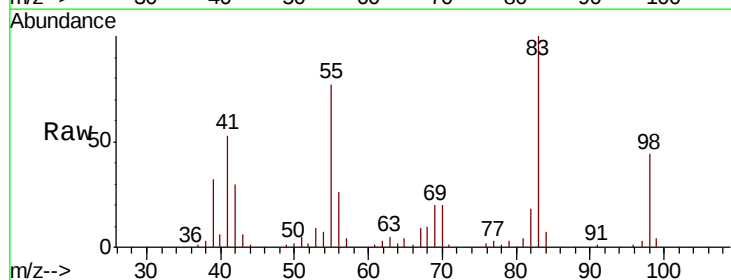


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

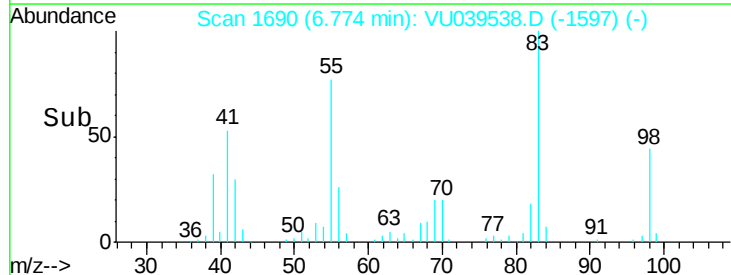
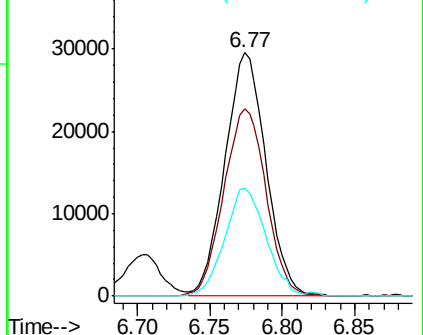


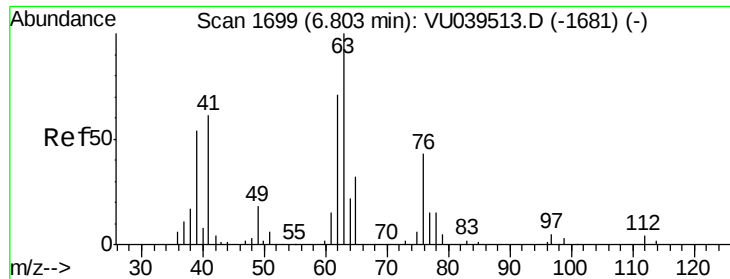
#35
 Methylcyclohexane
 Concen: 4.800 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU039538.D
 Acq: 17 Jul 2020 09:14

Tgt Ion: 83 Resp: 58211
 Ion Ratio Lower Upper
 83 100
 55 78.8 62.1 93.1
 98 44.4 35.9 53.9



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

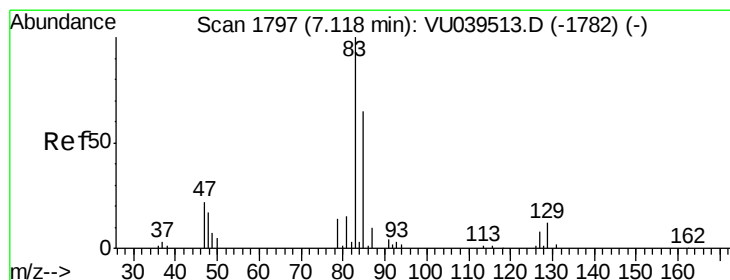
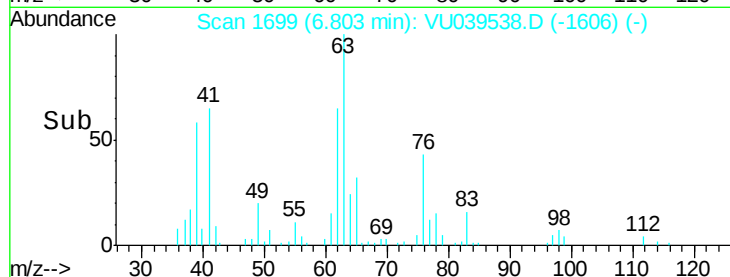
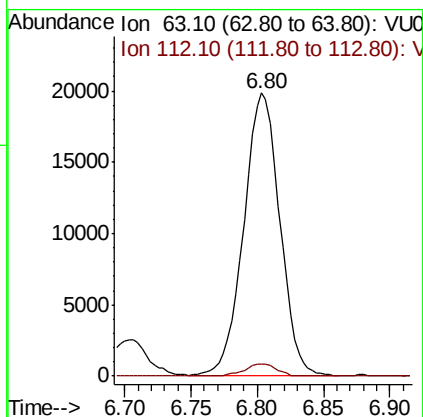
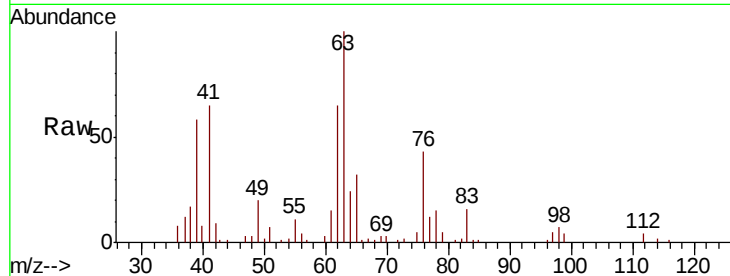




#37
 1,2-Dichloropropane
 Concen: 4.733 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU039538.D
 Acq: 17 Jul 2020 09:14

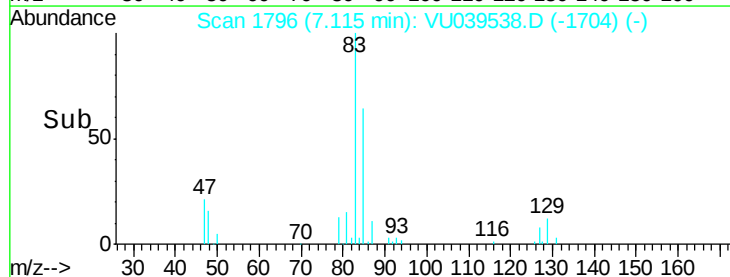
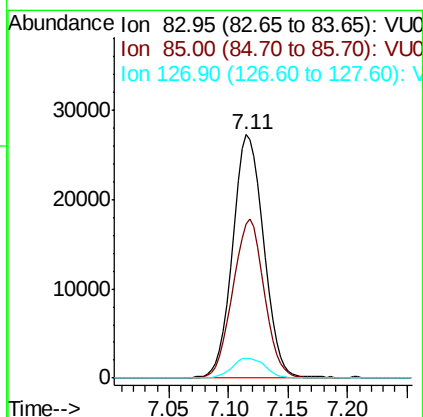
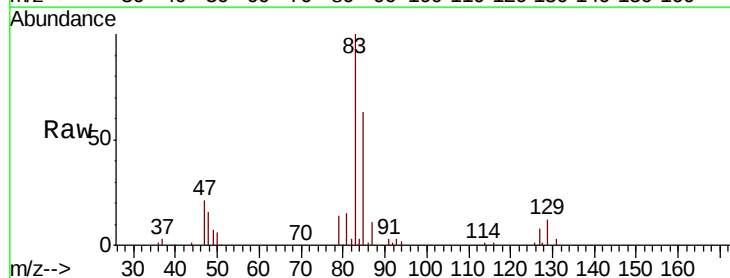
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

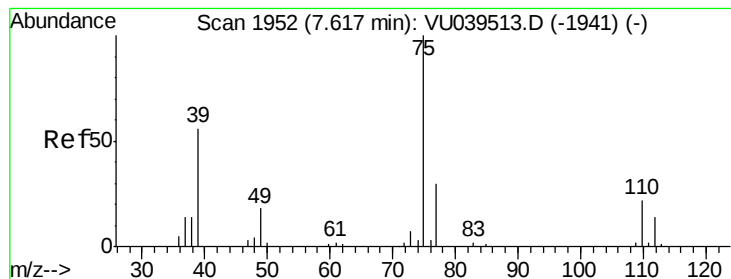
Tot Ion: 63 Resp: 37778
 Ion Ratio Lower Upper
 63 100
 112 3.7 2.5 3.7



#38
 Bromodichloromethane
 Concen: 4.872 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU039538.D
 Acq: 17 Jul 2020 09:14

Tgt Ion: 83 Resp: 49656
 Ion Ratio Lower Upper
 83 100
 85 63.2 44.0 81.6
 127 8.7 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 4.631 ug/L

RT: 7.62 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VU039538.D

Acq: 17 Jul 2020 09:14

Instrument :

MSVOA_U

ClientSampleId :

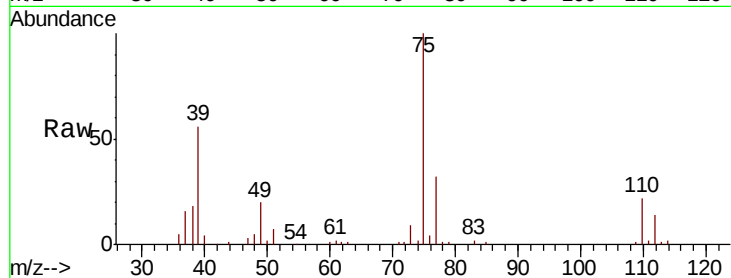
VSTD00525

Tot Ion: 75 Resp: 55873

Ion Ratio Lower Upper

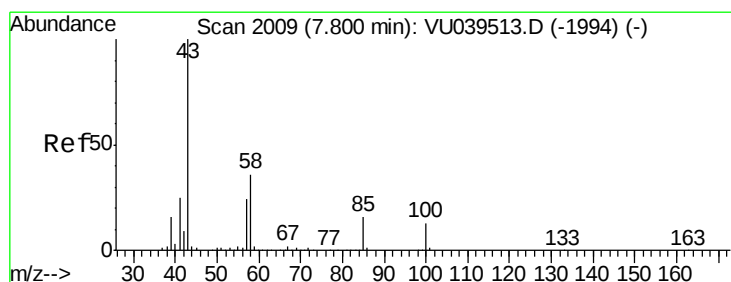
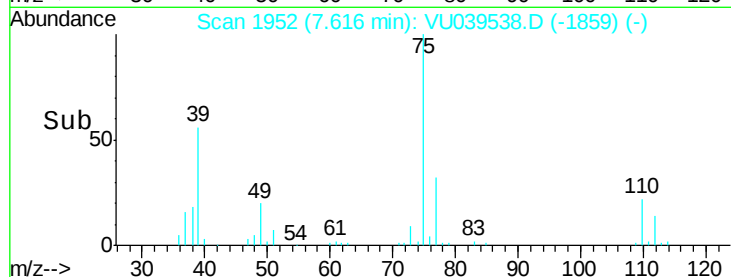
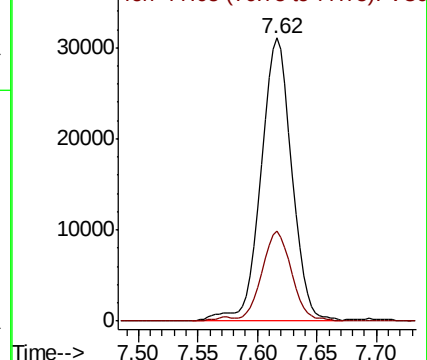
75 100

77 31.7 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#40

4-Methyl-2-pentanone

Concen: 43.785 ug/L

RT: 7.80 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU039538.D

Acq: 17 Jul 2020 09:14

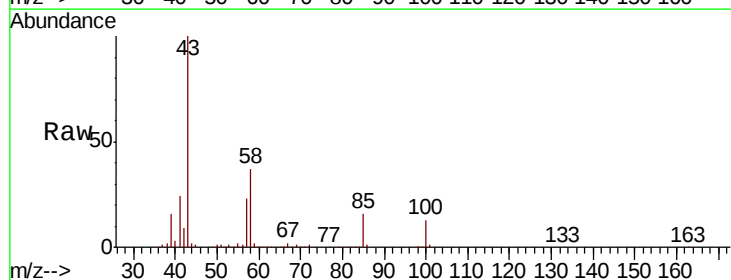
Tgt Ion: 43 Resp: 291527

Ion Ratio Lower Upper

43 100

58 37.2 30.5 45.7

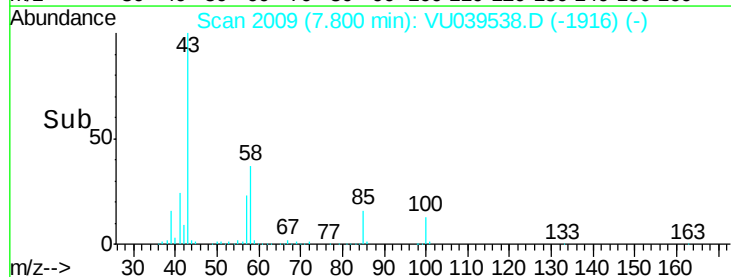
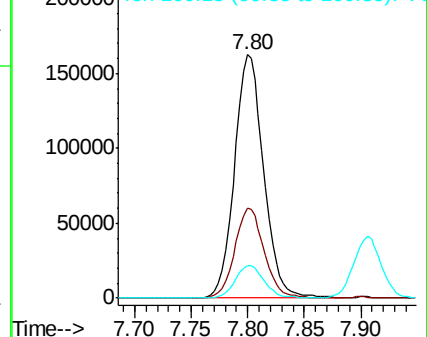
100 13.5 10.3 15.5

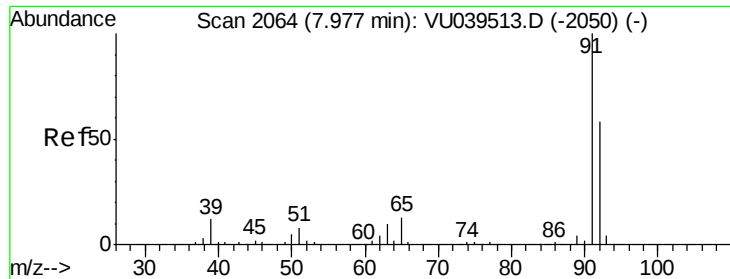


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 100.15 (99.85 to 100.85): VU0





#42

Toluene

Concen: 4.816 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039538.D

Acq: 17 Jul 2020 09:14

Instrument :

MSVOA_U

ClientSampleId :

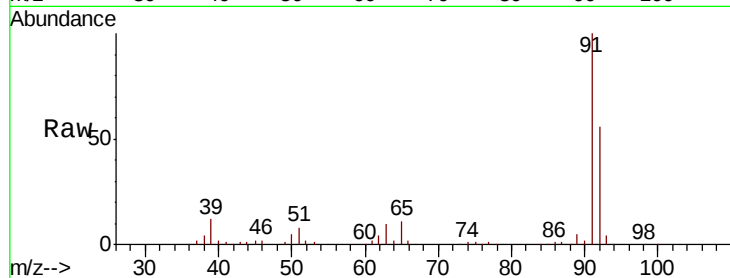
VSTD00525

Tot Ion: 91 Resp: 150998

Ion Ratio Lower Upper

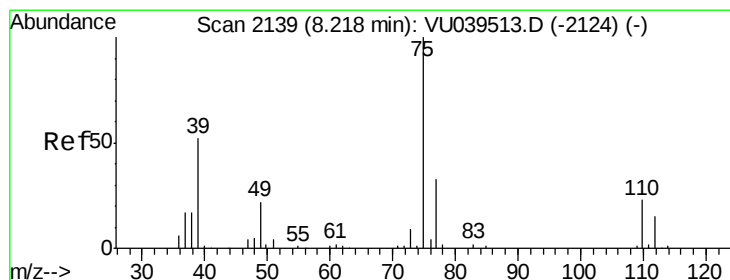
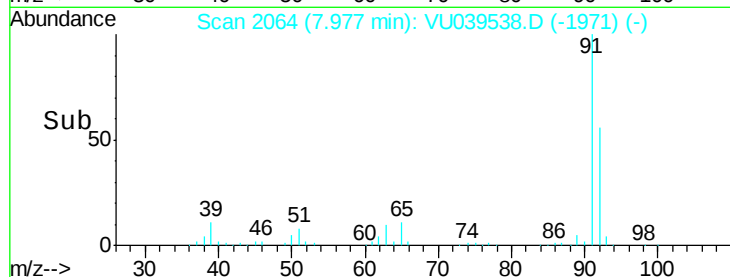
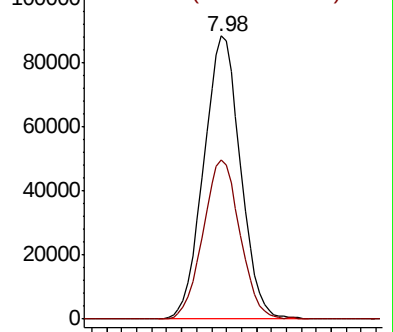
91 100

92 56.4 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 4.664 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039538.D

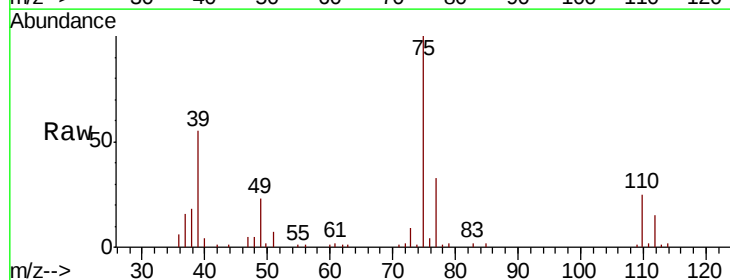
Acq: 17 Jul 2020 09:14

Tgt Ion: 75 Resp: 49927

Ion Ratio Lower Upper

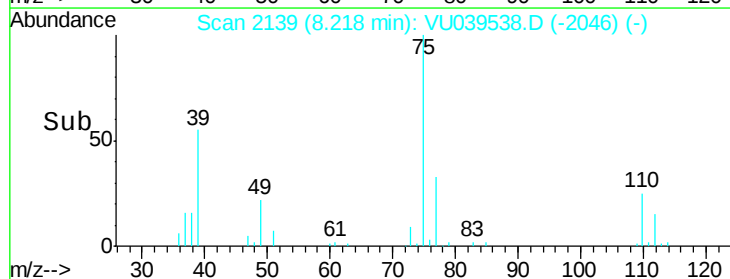
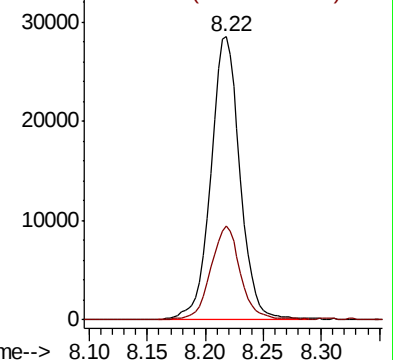
75 100

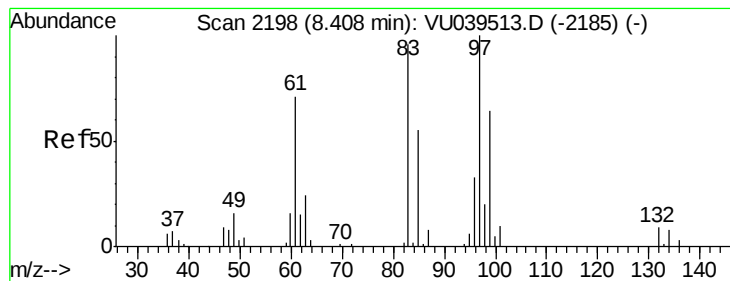
77 33.1 23.7 43.9



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#45

1,1,2-Trichloroethane

Concen: 4.892 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU039538.D

Acq: 17 Jul 2020 09:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

Tot Ion: 97 Resp: 28046

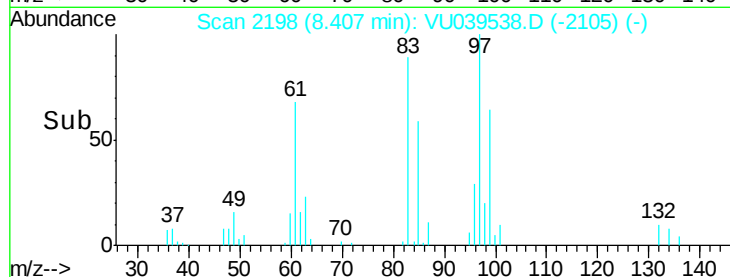
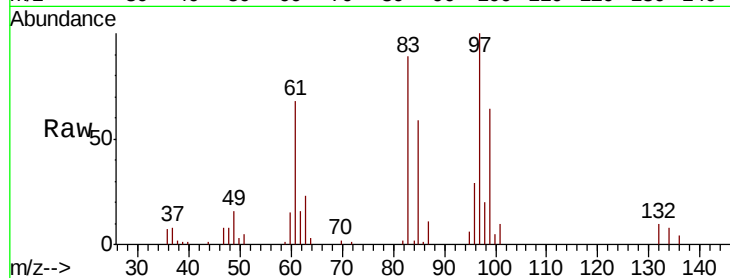
Ion Ratio Lower Upper

97 100

99 63.6 40.7 75.7

83 88.7 60.6 112.6

85 58.9 38.3 71.1



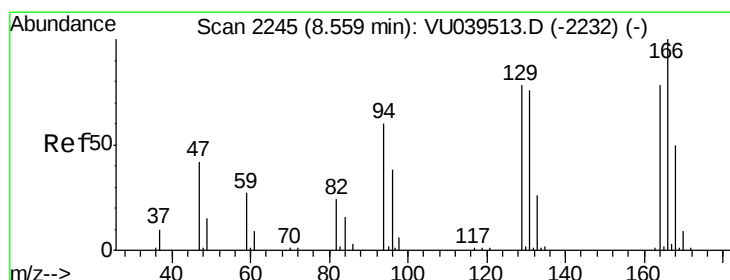
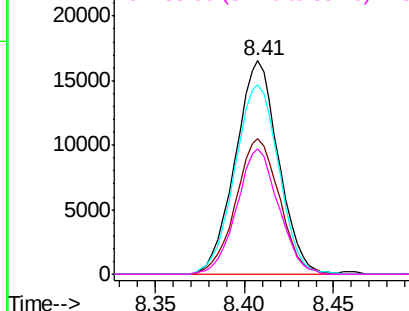
Abundance

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: 5.182 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU039538.D

Acq: 17 Jul 2020 09:14

Tgt Ion: 164 Resp: 27286

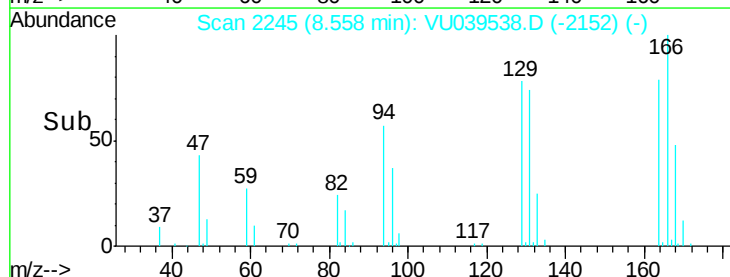
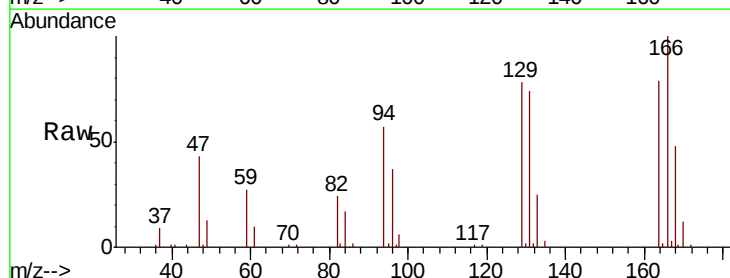
Ion Ratio Lower Upper

164 100

129 98.7 68.6 127.4

131 94.7 66.4 123.4

166 127.3 85.9 159.5



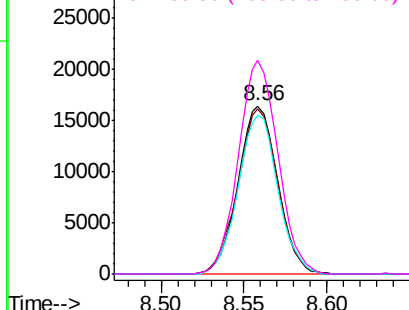
Abundance

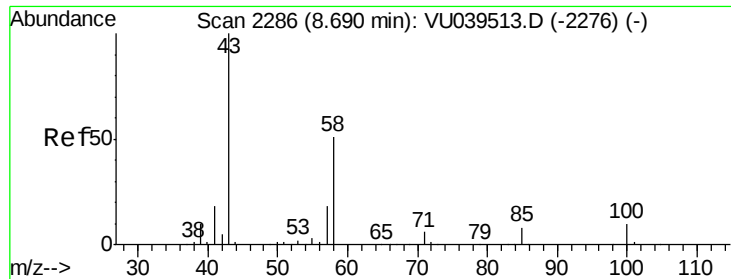
Ion 163.90 (163.60 to 164.60): V

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

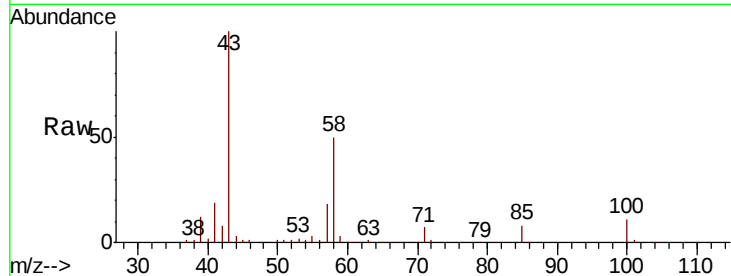




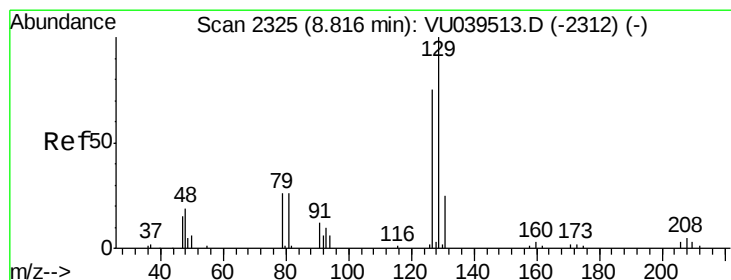
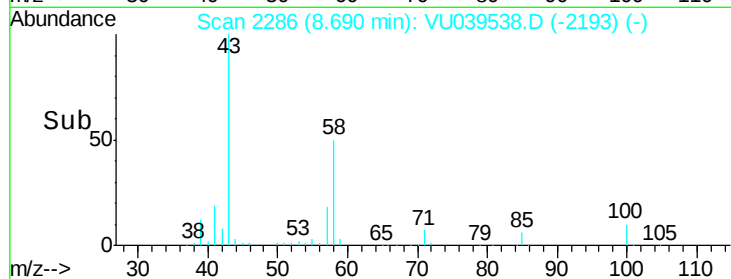
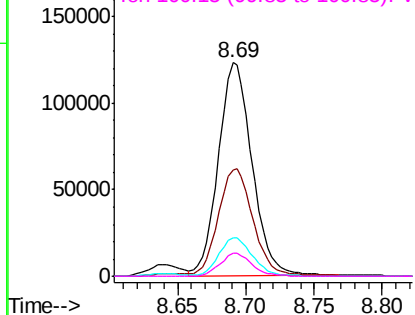
#48
2-Hexanone
Concen: 43.158 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039538.D
Acq: 17 Jul 2020 09:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Tot Ion: 43 Resp: 211875
Ion Ratio Lower Upper
43 100
58 51.8 42.0 63.0
57 18.1 14.0 21.0
100 10.2 8.2 12.2

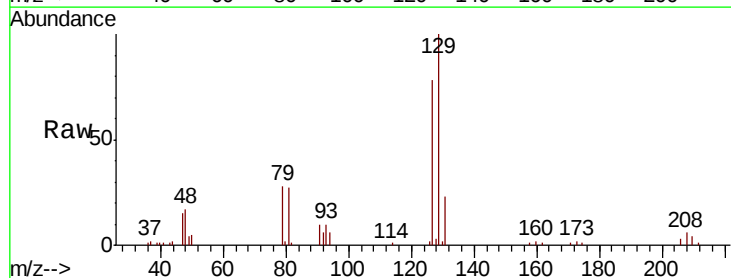


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

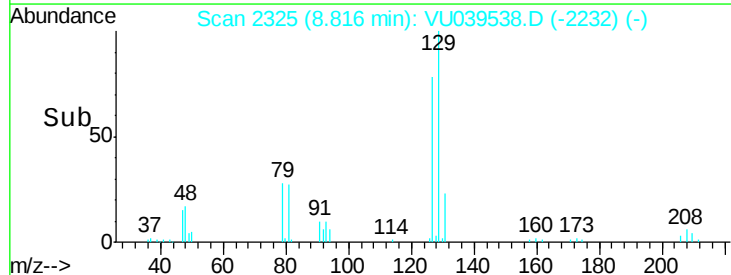
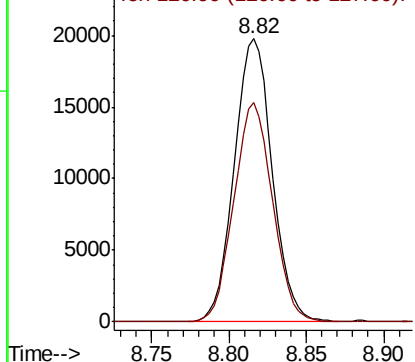


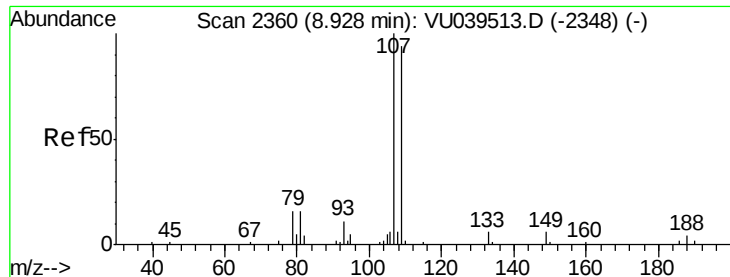
#49
Dibromochloromethane
Concen: 4.857 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039538.D
Acq: 17 Jul 2020 09:14

Tgt Ion: 129 Resp: 33725
Ion Ratio Lower Upper
129 100
127 77.5 55.4 102.8



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

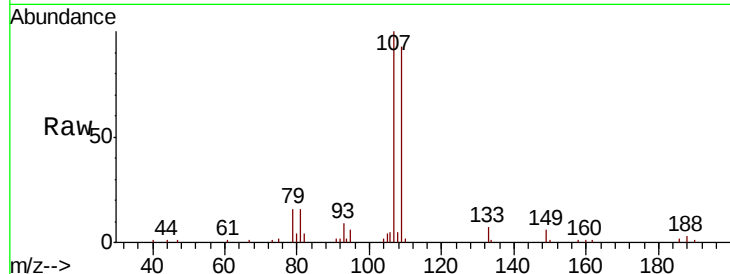




#50
 1,2-Dibromoethane
 Concen: 4.743 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU039538.D
 Acq: 17 Jul 2020 09:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	64.0	118.8
188	3.0	2.6	3.8

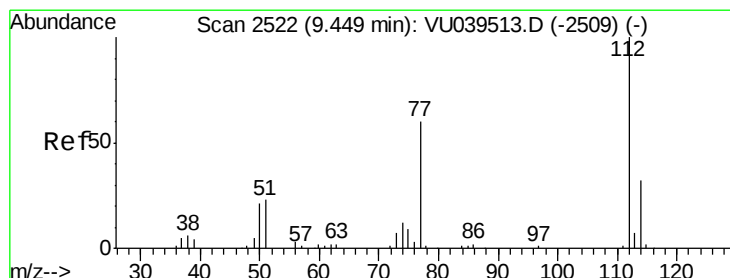
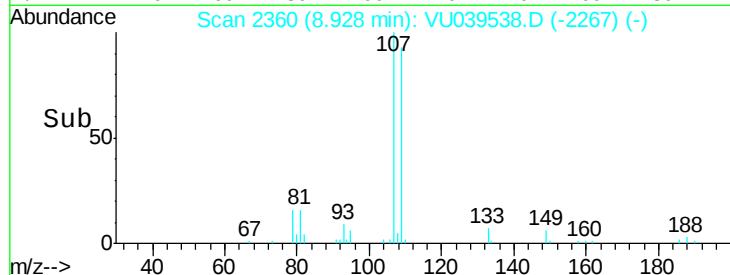
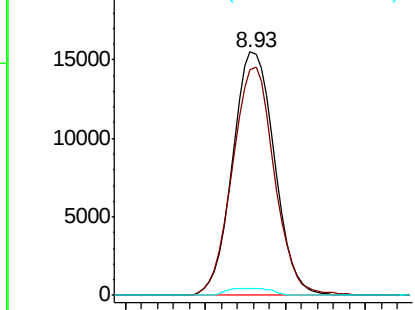


Abundance

Ion 106.95 (106.65 to 107.65): V

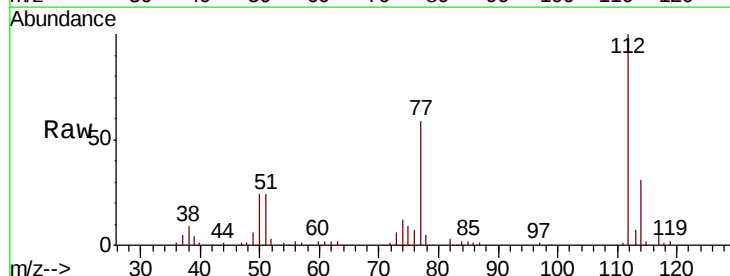
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
 Chlorobenzene
 Concen: 4.952 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU039538.D
 Acq: 17 Jul 2020 09:14

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.1	41.1
77	59.4	49.9	74.9

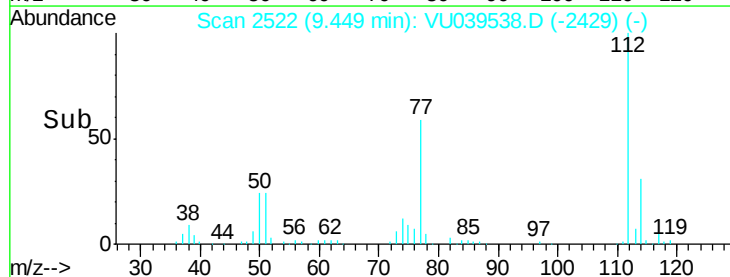
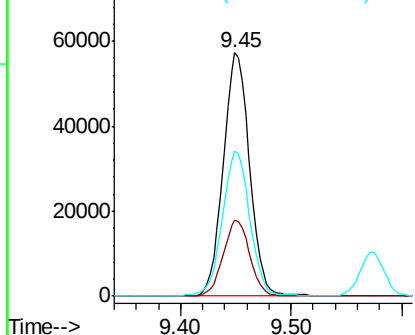


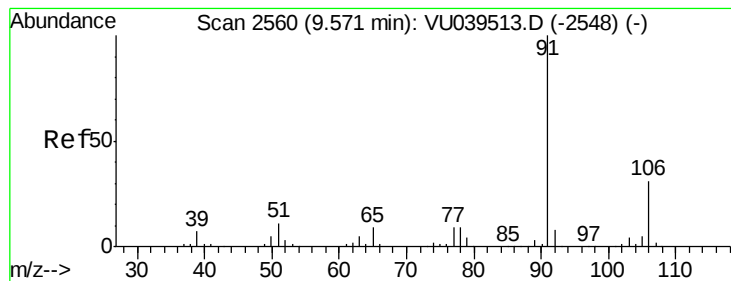
Abundance

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): VU





#52

Ethylbenzene

Concen: 4.851 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039538.D

Acq: 17 Jul 2020 09:14

Instrument :

MSVOA_U

ClientSampleId :

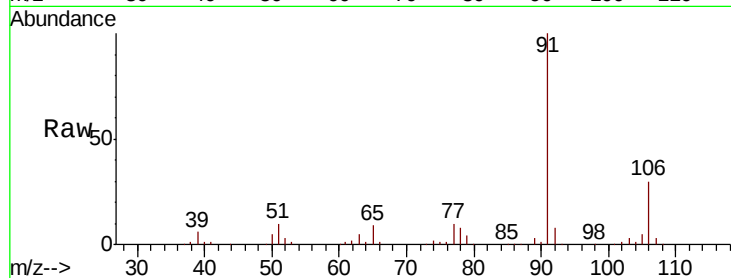
VSTD00525

Tot Ion: 91 Resp: 168071

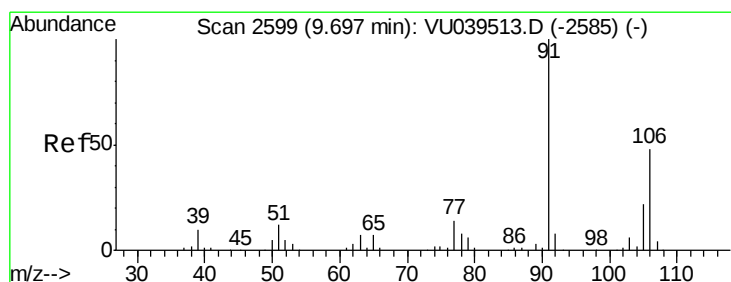
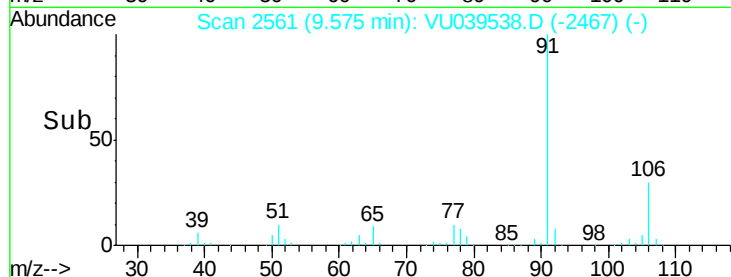
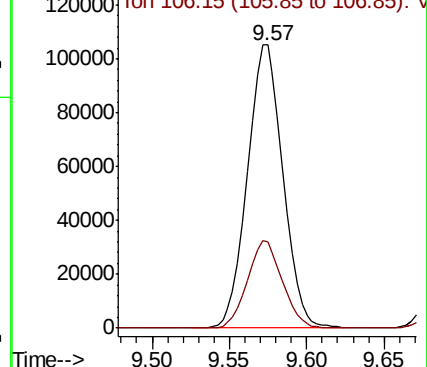
Ion Ratio Lower Upper

91 100

106 30.4 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039513.D (-2548) (-)



#53

m,p-Xylene

Concen: 4.770 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039538.D

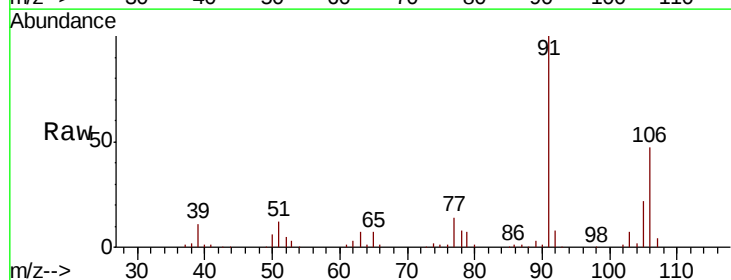
Acq: 17 Jul 2020 09:14

Tgt Ion: 106 Resp: 62277

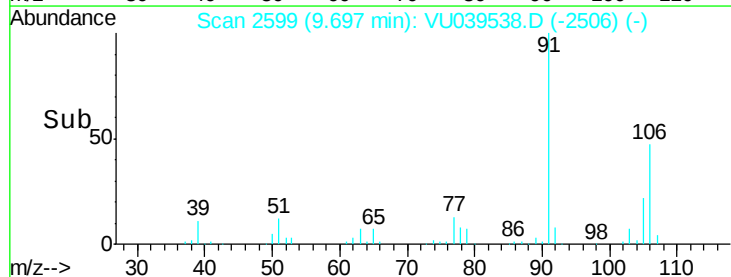
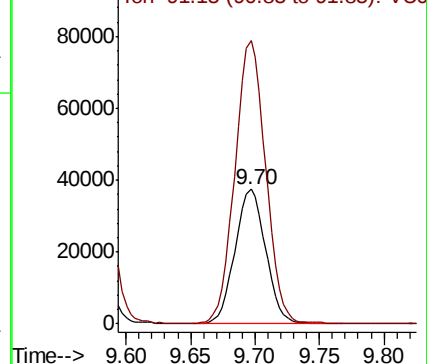
Ion Ratio Lower Upper

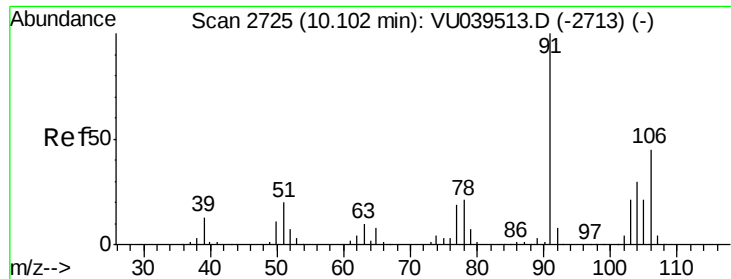
106 100

91 210.6 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): VU039513.D (-2585) (-)

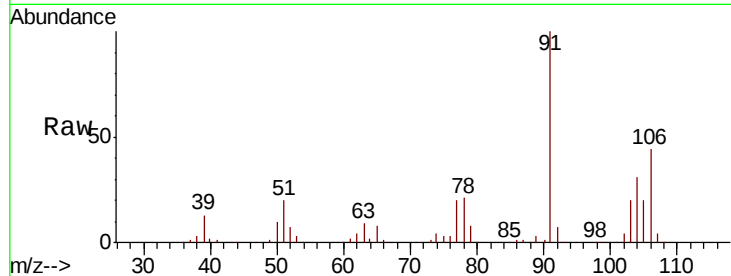




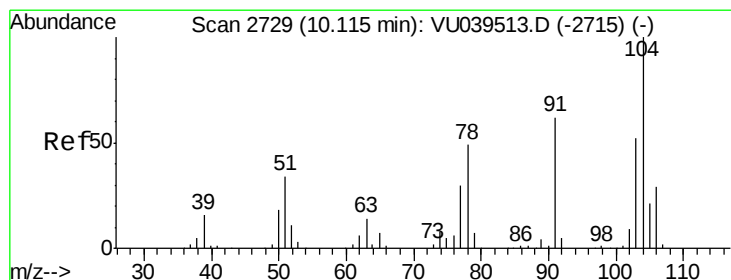
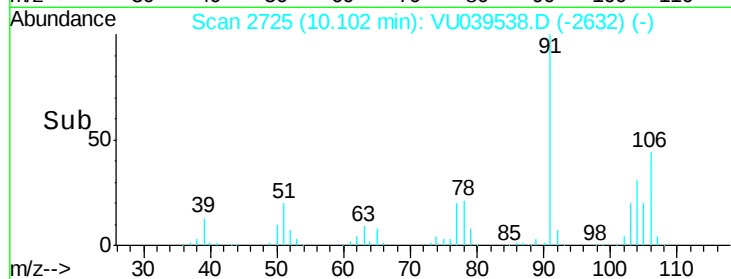
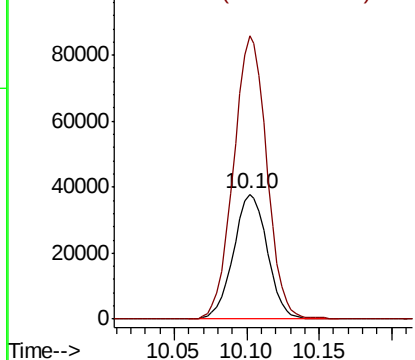
#54
o-Xylene
Concen: 4.824 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039538.D
Acq: 17 Jul 2020 09:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Tot Ion:106 Resp: 61316
Ion Ratio Lower Upper
106 100
91 225.9 154.6 287.2

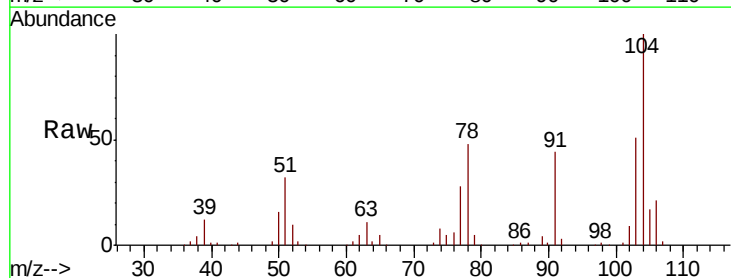


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

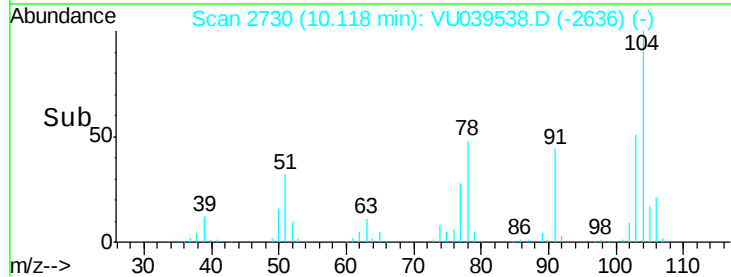
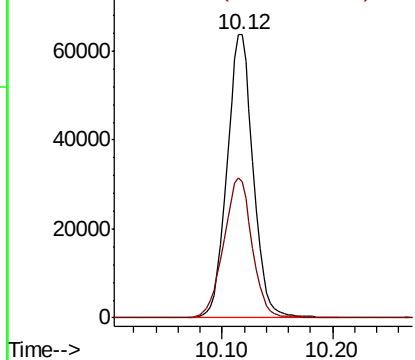


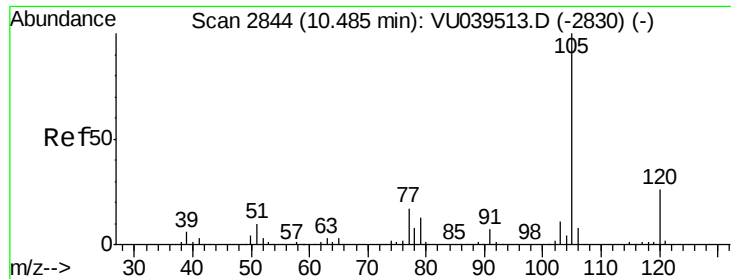
#55
Styrene
Concen: 4.732 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU039538.D
Acq: 17 Jul 2020 09:14

Tgt Ion:104 Resp: 104651
Ion Ratio Lower Upper
104 100
78 48.0 33.1 61.5



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.879 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039538.D

Acq: 17 Jul 2020 09:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

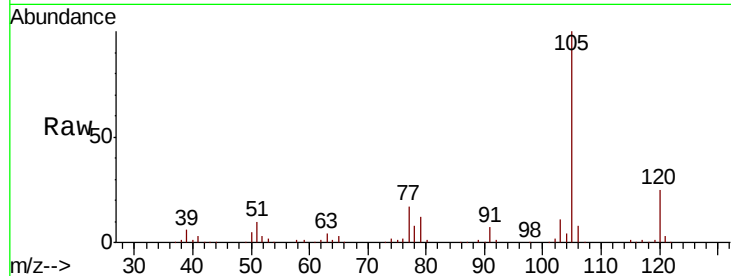
Tot Ion:105 Resp: 167690

Ion Ratio Lower Upper

105 100

120 25.7 20.7 31.1

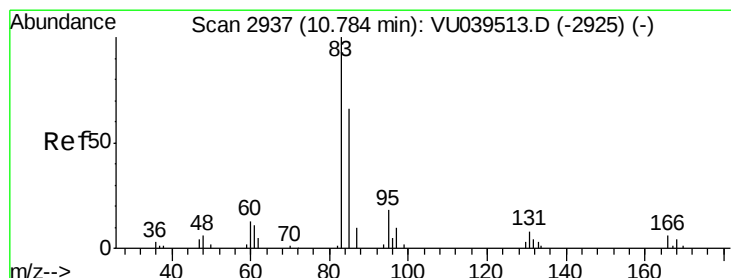
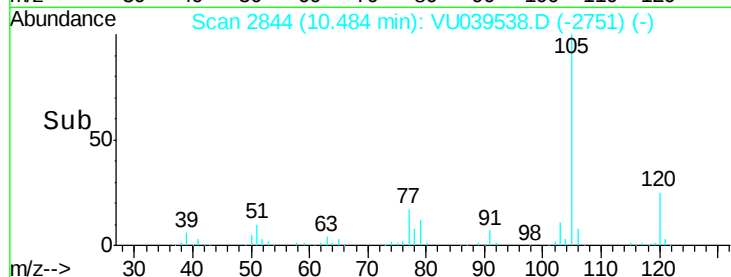
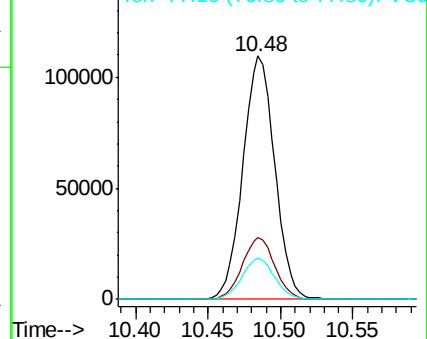
77 17.3 13.9 20.9



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: 4.426 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039538.D

Acq: 17 Jul 2020 09:14

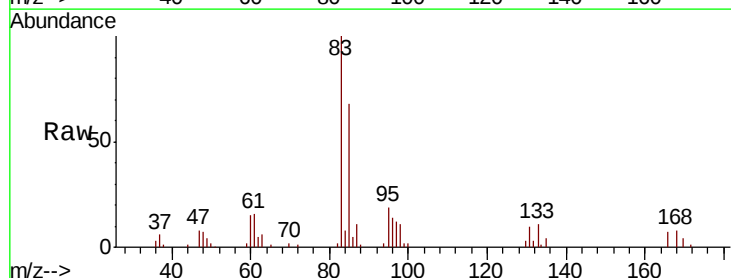
Tgt Ion: 83 Resp: 35319

Ion Ratio Lower Upper

83 100

85 67.6 46.1 85.7

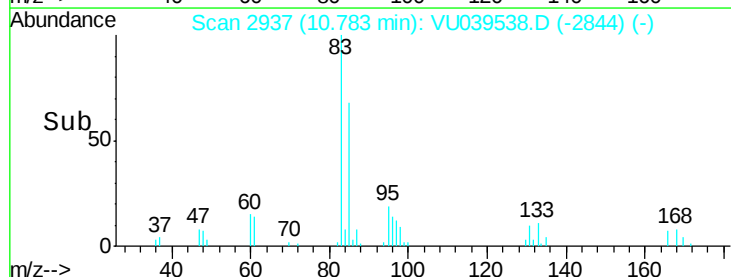
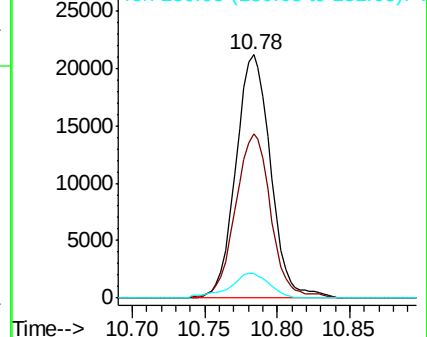
131 10.2 7.4 11.0

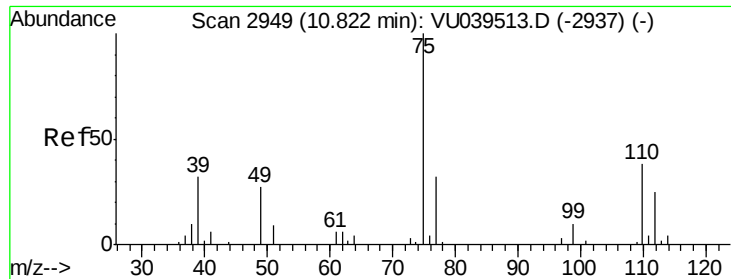


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.610 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039538.D

Acq: 17 Jul 2020 09:14

Instrument :

MSVOA_U

ClientSampleId :

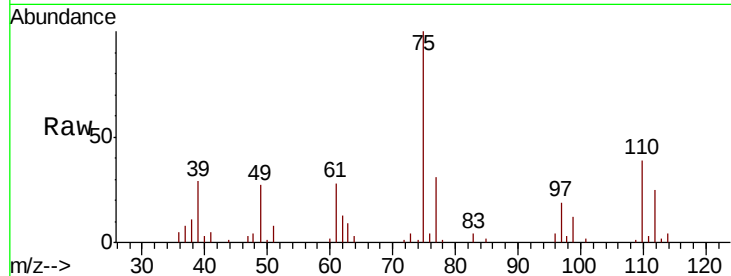
VSTD00525

Tot Ion: 75 Resp: 27115

Ion Ratio Lower Upper

75 100

77 31.2 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU039513.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039513.D (-2937) (-)

10.82

15000

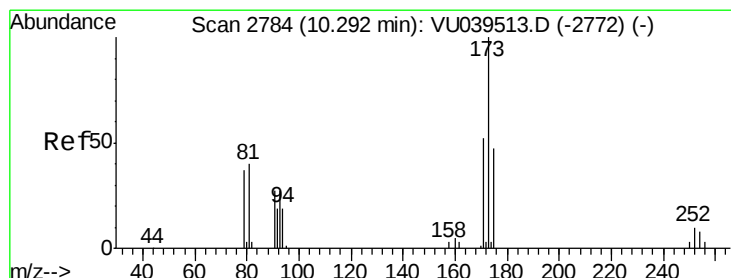
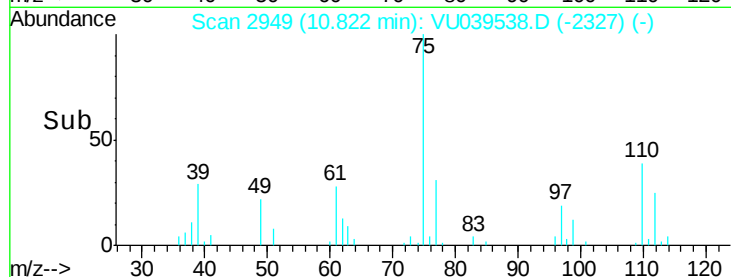
10000

5000

0

Time-->

10.75 10.80 10.85



#61

Bromoform

Concen: 4.966 ug/L

RT: 10.29 min Scan# 2785

Delta R.T. 0.00 min

Lab File: VU039538.D

Acq: 17 Jul 2020 09:14

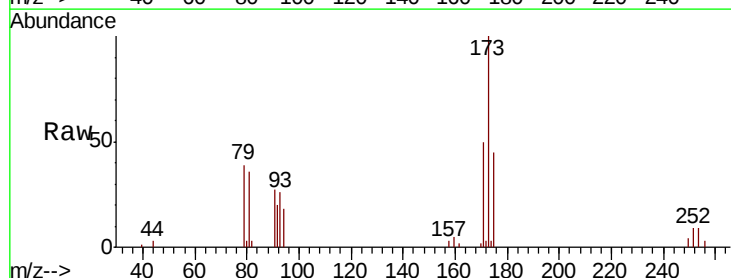
Tgt Ion: 173 Resp: 20112

Ion Ratio Lower Upper

173 100

175 45.2 37.5 56.3

254 9.0 6.7 10.1



Abundance Ion 172.90 (172.60 to 173.60): VU039513.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU039513.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU039513.D (-2772) (-)

10.29

15000

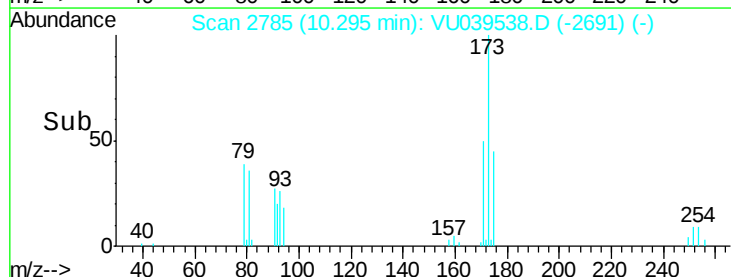
10000

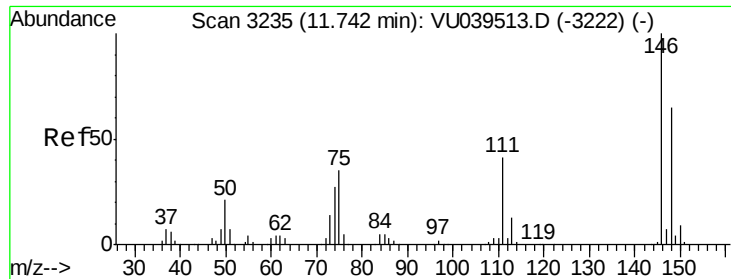
5000

0

Time-->

10.25 10.30 10.35

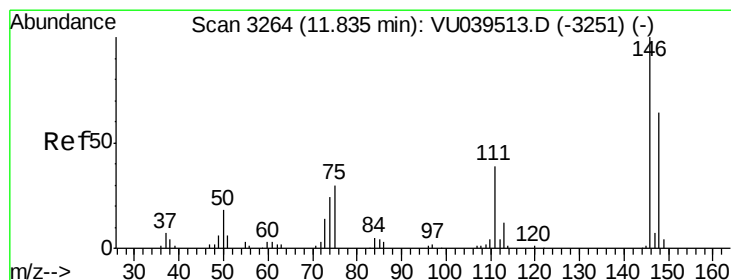
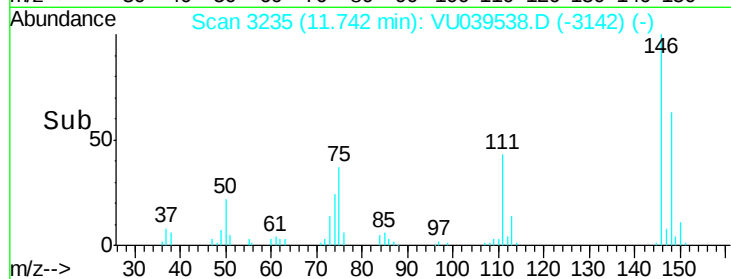
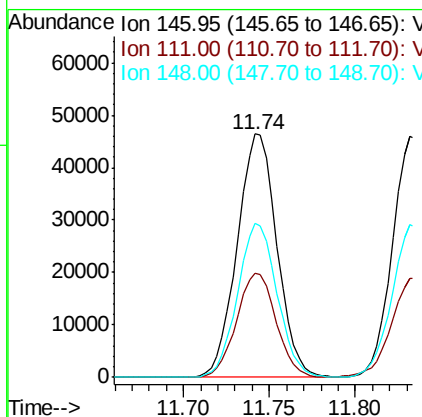
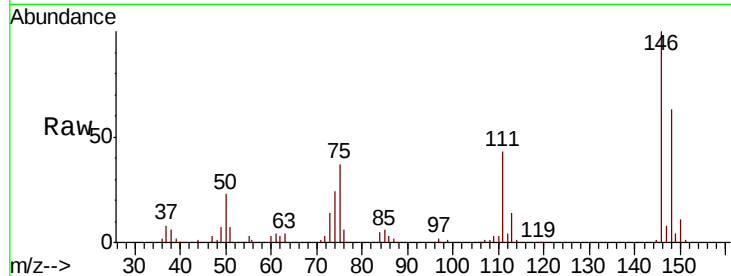




#62
 1,3-Dichlorobenzene
 Concen: 4.941 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039538.D
 Acq: 17 Jul 2020 09:14

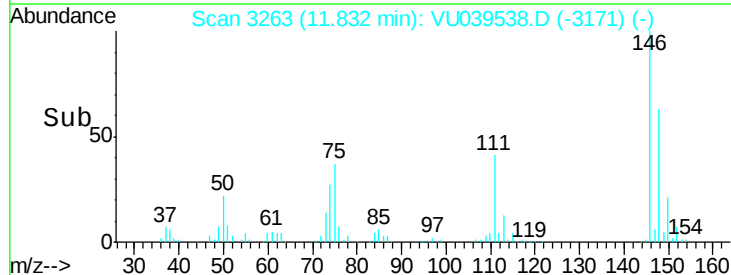
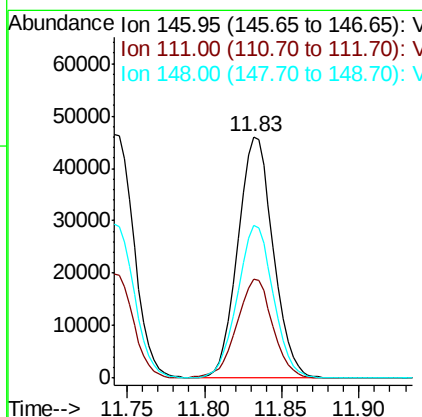
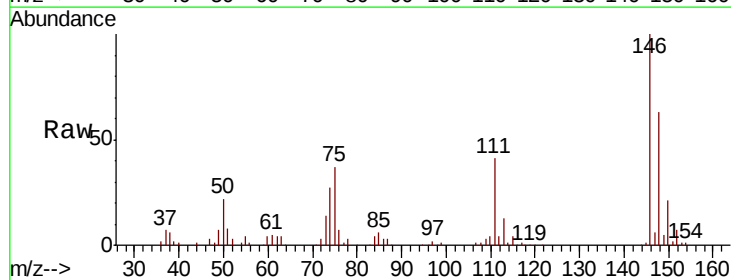
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

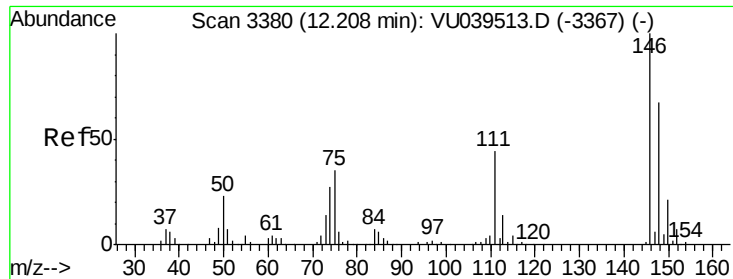
Tot Ion:146 Resp: 74399
 Ion Ratio Lower Upper
 146 100
 111 42.9 29.0 53.8
 148 63.3 43.5 80.9



#63
 1,4-Dichlorobenzene
 Concen: 4.850 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039538.D
 Acq: 17 Jul 2020 09:14

Tgt Ion:146 Resp: 73265
 Ion Ratio Lower Upper
 146 100
 111 41.1 28.6 53.0
 148 63.4 45.0 83.6





#65

1,2-Dichlorobenzene

Concen: 4.786 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VU039538.D

Acq: 17 Jul 2020 09:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

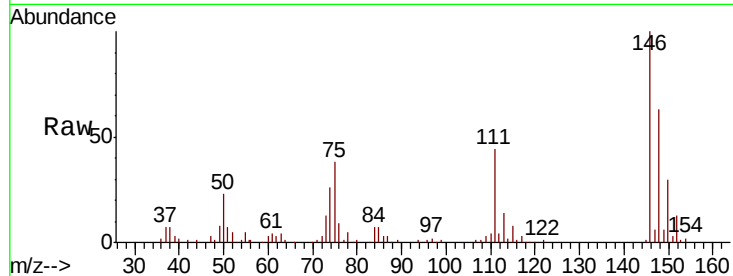
Tot Ion:146 Resp: 72246

Ion Ratio Lower Upper

146 100

111 44.0 35.0 52.4

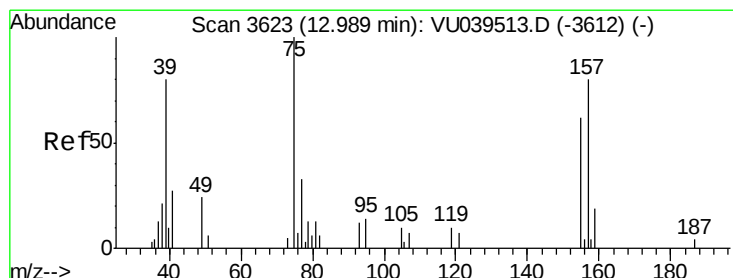
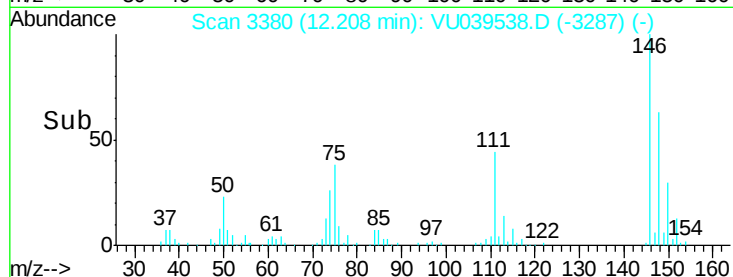
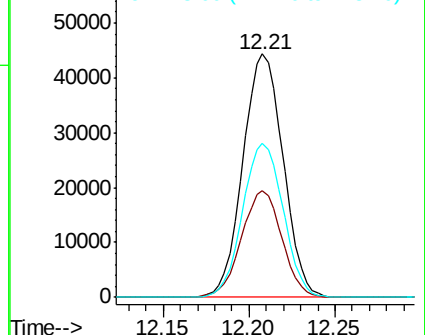
148 63.1 50.6 75.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.645 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU039538.D

Acq: 17 Jul 2020 09:14

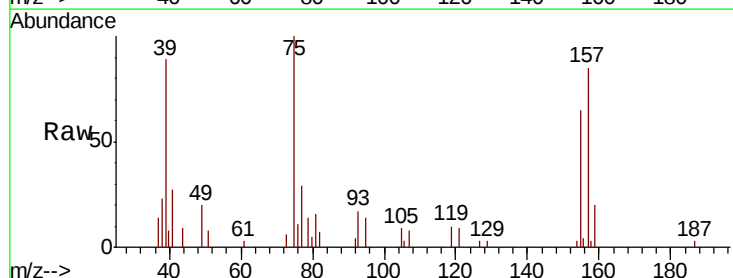
Tgt Ion: 75 Resp: 6194

Ion Ratio Lower Upper

75 100

155 64.6 51.9 77.9

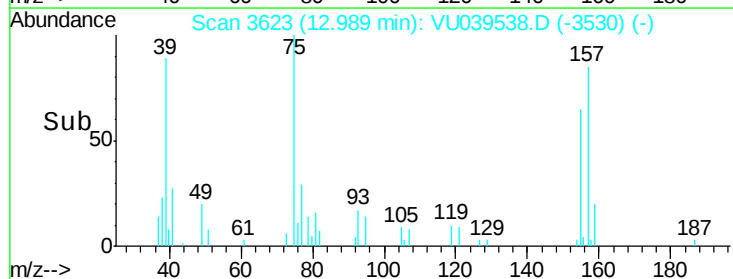
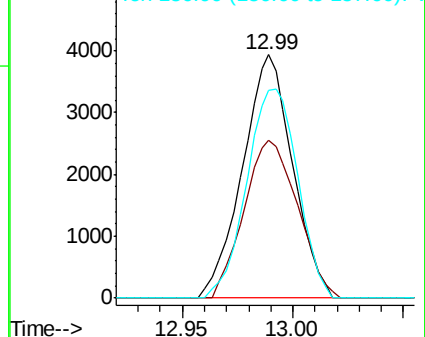
157 85.1 63.2 94.8

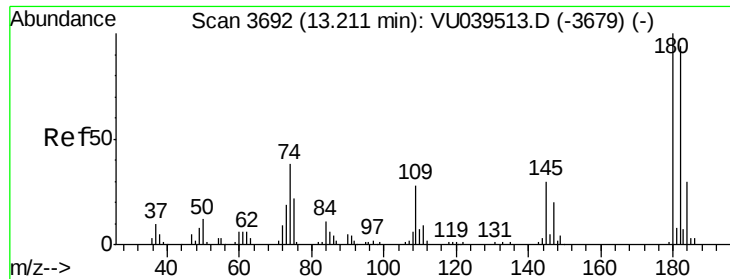


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

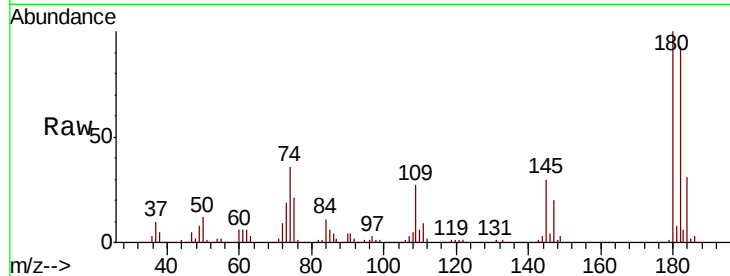




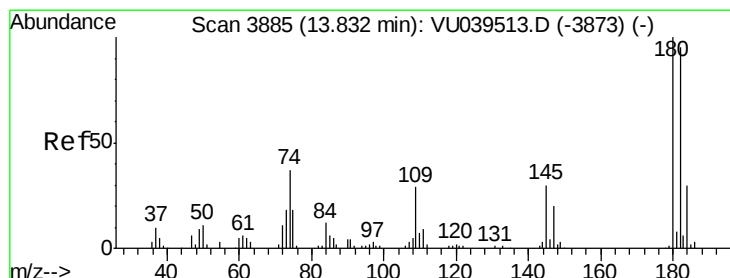
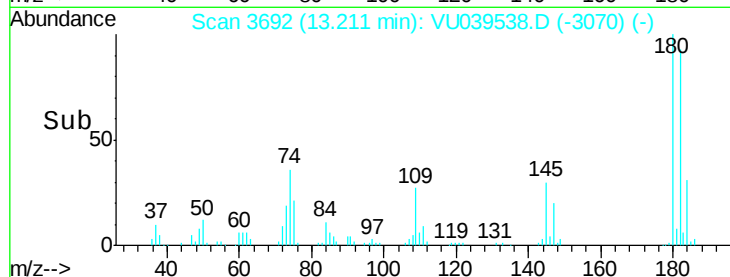
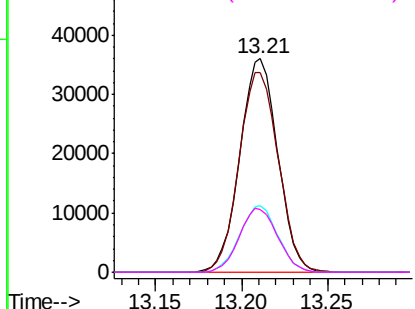
#67
 1,3,5-Trichlorobenzene
 Concen: 4.903 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU039538.D
 Acq: 17 Jul 2020 09:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tot Ion:180 Resp: 55244
 Ion Ratio Lower Upper
 180 100
 182 97.1 76.2 114.4
 184 31.3 24.2 36.4
 145 30.4 24.2 36.2

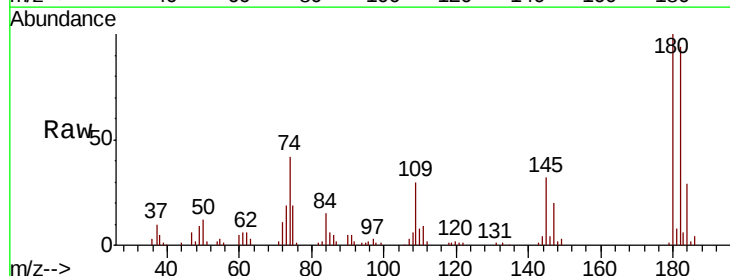


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

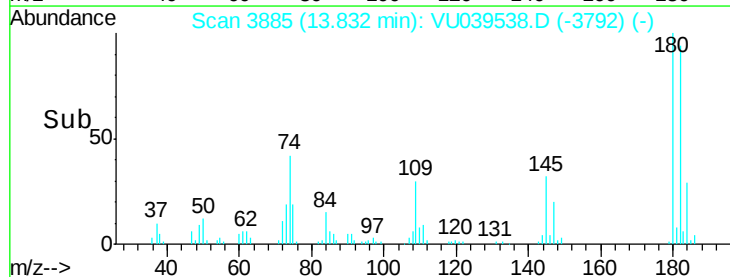
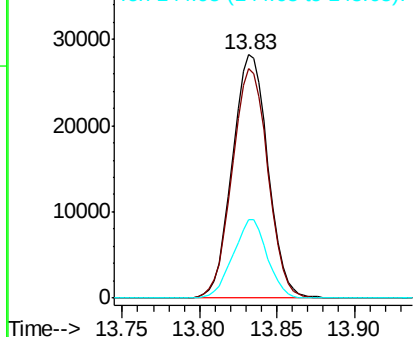


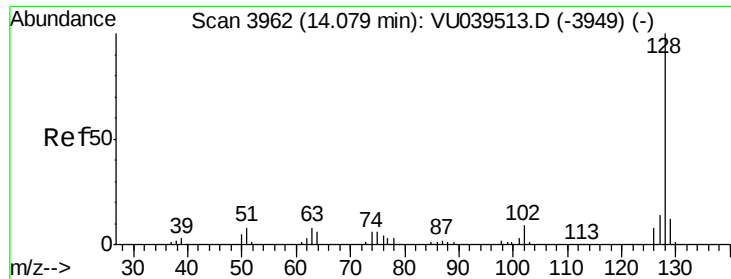
#68
 1,2,4-trichlorobenzene
 Concen: 4.678 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039538.D
 Acq: 17 Jul 2020 09:14

Tgt Ion:180 Resp: 45107
 Ion Ratio Lower Upper
 180 100
 182 94.3 79.4 119.2
 145 30.8 26.4 39.6



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: 3.632 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039538.D

Acq: 17 Jul 2020 09:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

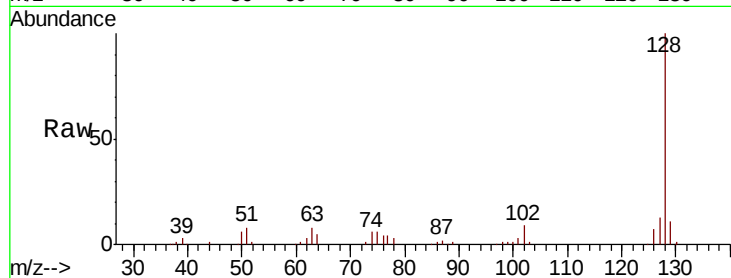
Tot Ion:128 Resp: 70468

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

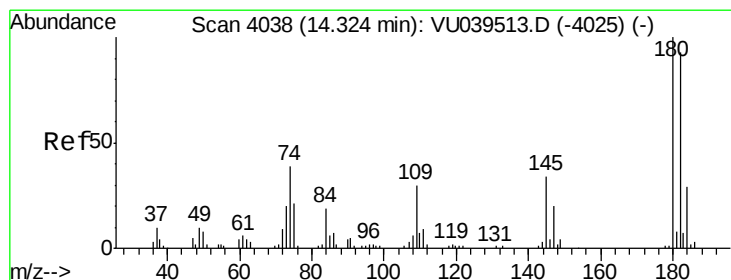
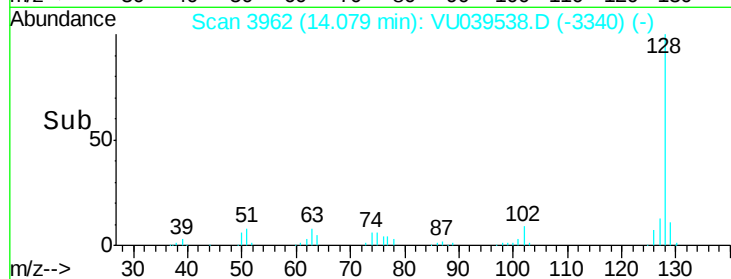
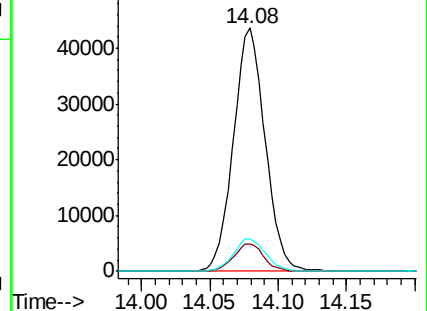
127 13.4 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.493 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. -0.00 min

Lab File: VU039538.D

Acq: 17 Jul 2020 09:14

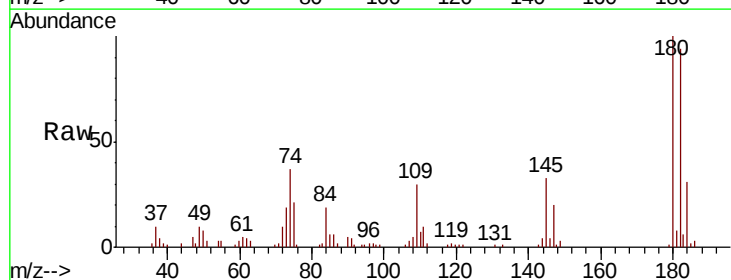
Tgt Ion:180 Resp: 40141

Ion Ratio Lower Upper

180 100

182 92.8 74.2 111.2

145 32.8 27.6 41.4



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

