

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100620\
 Data File : VU040539.D
 Acq On : 06 Oct 2020 20:28
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050209

Quant Time: Oct 07 08:15:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 08:04:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	292562	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	285162	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	148531	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	116286	46.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.56%
7) Chloroethane-d5	1.92	69	89902	46.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.94%
11) 1,1-Dichloroethene-d2	2.58	63	224441	46.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.62%
21) 2-Butanone-d5	4.64	46	194713	97.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.65%
24) Chloroform-d	5.08	84	213805	49.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.66%
26) 1,2-Dichloroethane-d4	5.72	65	144997	48.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.08%
32) Benzene-d6	5.74	84	406384	50.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.14%
36) 1,2-Dichloropropane-d6	6.70	67	131753	48.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.88%
41) Toluene-d8	7.91	98	367983	50.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.04%
43) trans-1,3-Dichloropropene-	8.19	79	68356	50.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.40%
47) 2-Hexanone-d5	8.64	63	132252	104.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.30%
56) 1,1,2,2-Tetrachloroethane-	10.76	84	189641	48.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.54%
66) 1,2-Dichlorobenzene-d4	12.19	152	141131	46.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.38%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	131625	46.723	ug/L	98
3) Chloromethane	1.53	50	137586	46.476	ug/L	100
5) Vinyl chloride	1.61	62	138637	47.300	ug/L	99
6) Bromomethane	1.86	94	71842	46.698	ug/L	97
8) Chloroethane	1.94	64	83583	47.263	ug/L	100
9) Trichlorofluoromethane	2.15	101	179257	47.678	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	105322	46.994	ug/L	98
12) 1,1-Dichloroethene	2.59	96	99019	47.786	ug/L	93
13) Acetone	2.63	43	143036	74.694	ug/L	99
14) Carbon disulfide	2.80	76	330283	46.429	ug/L	99
15) Methyl Acetate	2.96	43	150173	48.078	ug/L	99
16) Methylene chloride	3.06	84	116637	47.463	ug/L	94
17) trans-1,2-Dichloroethene	3.37	96	105496	47.800	ug/L	96
18) Methyl tert-butyl Ether	3.38	73	341262	49.162	ug/L	99
19) 1,1-Dichloroethane	3.89	63	210123	47.736	ug/L	96
20) cis-1,2-Dichloroethene	4.69	96	113569	47.748	ug/L	96
22) 2-Butanone	4.72	43	217858	89.184	ug/L	98

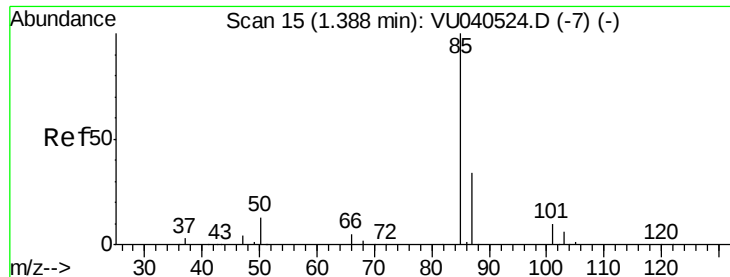
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100620\
 Data File : VU040539.D
 Acq On : 06 Oct 2020 20:28
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050209

Quant Time: Oct 07 08:15:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 08:04:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	60445	48.766	ug/L	96
25) Chloroform	5.11	83	213157	47.491	ug/L	100
27) 1,2-Dichloroethane	5.81	62	176195	47.568	ug/L	98
29) Cyclohexane	5.41	56	190847	49.983	ug/L	99
30) 1,1,1-Trichloroethane	5.33	97	178018	48.607	ug/L	98
31) Carbon tetrachloride	5.54	117	156796	49.510	ug/L	99
33) Benzene	5.79	78	450734	48.902	ug/L	100
34) Trichloroethene	6.56	95	114998	48.433	ug/L	98
35) Methylcyclohexane	6.77	83	174164	48.246	ug/L	99
37) 1,2-Dichloropropane	6.80	63	120752	47.708	ug/L	99
38) Bromodichloromethane	7.12	83	157922	48.034	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	179581	48.411	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	398280	99.724	ug/L	99
42) Toluene	7.98	91	471798	50.137	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	184186	49.315	ug/L	99
45) 1,1,2-Trichloroethane	8.41	97	110804	48.869	ug/L	98
46) Tetrachloroethene	8.56	164	83772	48.827	ug/L	98
48) 2-Hexanone	8.69	43	315010	97.044	ug/L	100
49) Dibromochloromethane	8.82	129	121764	49.181	ug/L	100
50) 1,2-Dibromoethane	8.93	107	120342	50.067	ug/L	96
51) Chlorobenzene	9.45	112	299749	48.565	ug/L	99
52) Ethylbenzene	9.57	91	525265	50.289	ug/L	99
53) m,p-Xylene	9.70	106	194104	50.466	ug/L	99
54) o-xylene	10.10	106	188112	51.406	ug/L	99
55) Styrene	10.11	104	331990	51.507	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.78	83	192590	48.032	ug/L	99
59) Bromoform	10.29	173	86387	47.452	ug/L	99
60) 1,2,3-Trichloropropane	10.82	75	157246	46.607	ug/L	99
61) Isopropylbenzene	10.48	105	496742	49.800	ug/L	100
62) 1,3,5-Trimethylbenzene	11.09	105	417457	50.938	ug/L	100
63) 1,2,4-Trimethylbenzene	11.46	105	421281	50.685	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	229973	47.283	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	236521	46.301	ug/L	99
67) 1,2-Dichlorobenzene	12.21	146	233070	47.835	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.99	75	43757	46.161	ug/L	96
69) 1,3,5-Trichlorobenzene	13.21	180	151589	47.568	ug/L	100
70) 1,2,4-trichlorobenzene	13.83	180	132248	47.880	ug/L	100
71) Naphthalene	14.08	128	415840	48.707	ug/L	100
72) 1,2,3-Trichlorobenzene	14.32	180	133875	48.830	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 46.723 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040539.D

Acq: 06 Oct 2020 20:28

Instrument :

MSVOA_U

ClientSampleId :

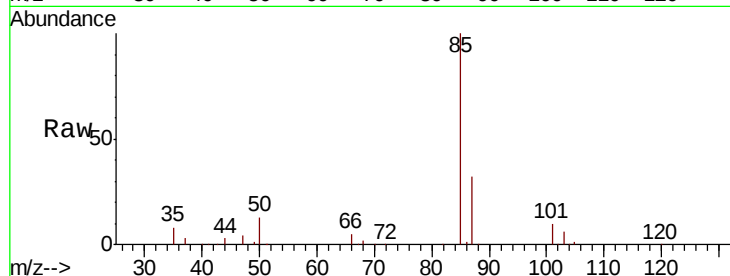
VSTD050209

Tot Ion: 85 Resp: 131625

Ion Ratio Lower Upper

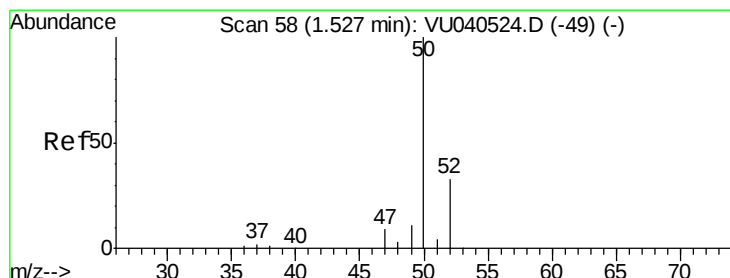
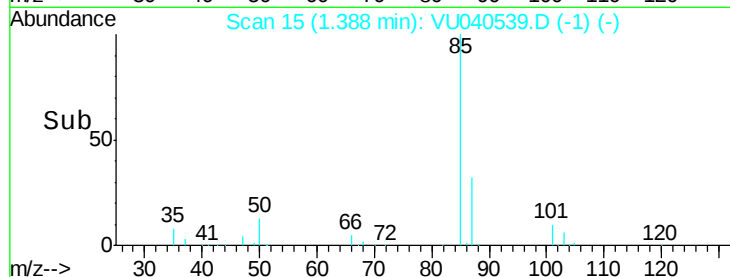
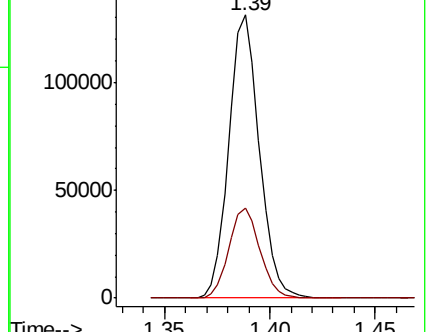
85 100

87 32.1 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VU040524.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040524.D (-7) (-)



#3

Chloromethane

Concen: 46.476 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040539.D

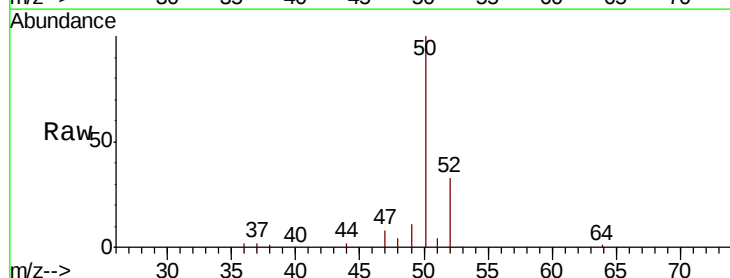
Acq: 06 Oct 2020 20:28

Tgt Ion: 50 Resp: 137586

Ion Ratio Lower Upper

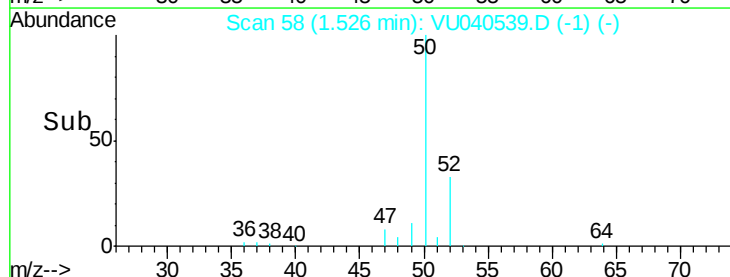
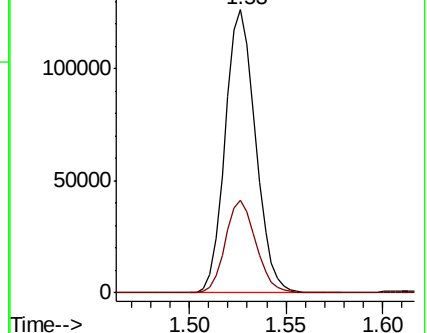
50 100

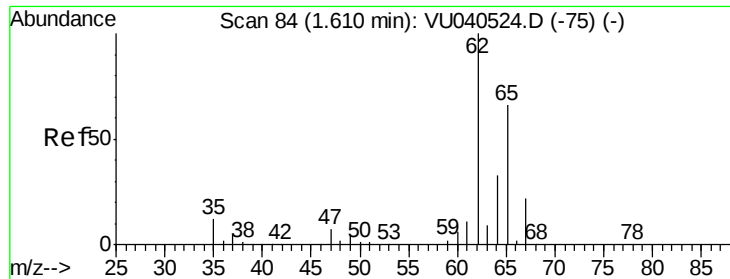
52 32.6 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU040524.D (-49) (-)

Ion 52.00 (51.70 to 52.70): VU040524.D (-49) (-)





#5

Vinyl chloride

Concen: 47.300 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040539.D

Acq: 06 Oct 2020 20:28

Instrument :

MSVOA_U

ClientSampleId :

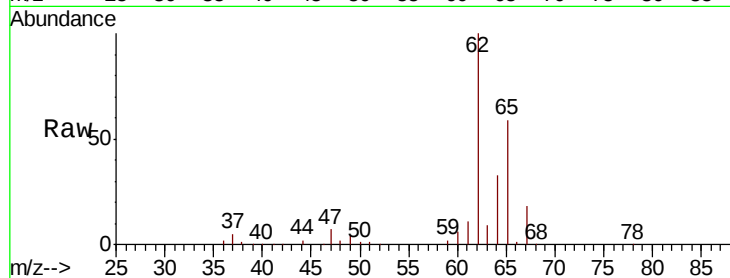
VSTD050209

Tot Ion: 62 Resp: 138637

Ion Ratio Lower Upper

62 100

64 33.0 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VU040539.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU040539.D (-1) (-)

150000

100000

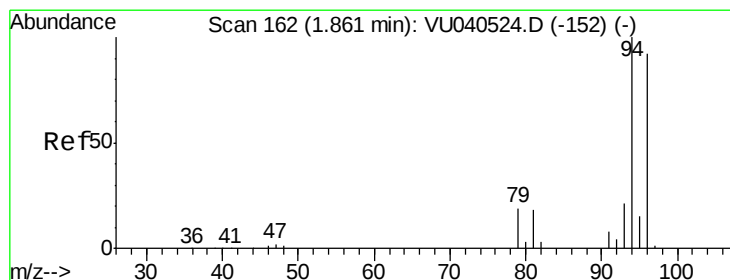
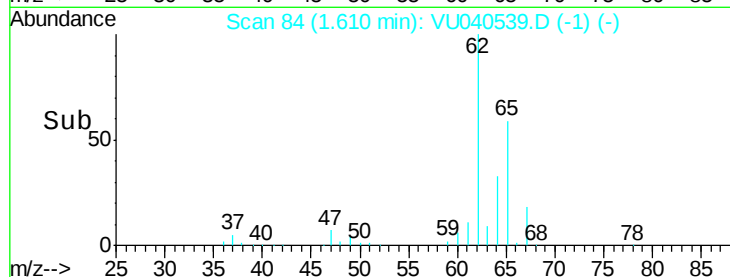
50000

0

1.61

1.55 1.60 1.65

Time-->



#6

Bromomethane

Concen: 46.698 ug/L

RT: 1.86 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU040539.D

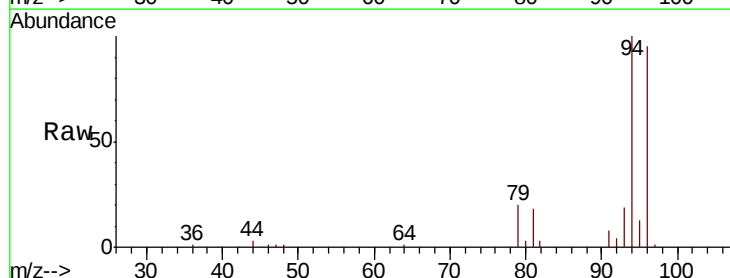
Acq: 06 Oct 2020 20:28

Tgt Ion: 94 Resp: 71842

Ion Ratio Lower Upper

94 100

96 94.9 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU040539.D (-69) (-)

Ion 96.00 (95.70 to 96.70): VU040539.D (-69) (-)

60000

50000

40000

30000

20000

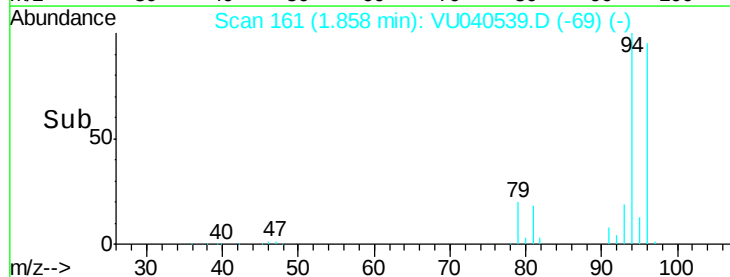
10000

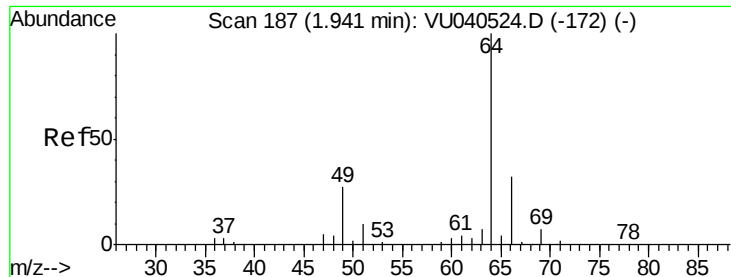
0

1.86

1.80 1.85 1.90

Time-->





#8

Chloroethane

Concen: 47.263 ug/L

RT: 1.94 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU040539.D

Acq: 06 Oct 2020 20:28

Instrument :

MSVOA_U

ClientSampleId :

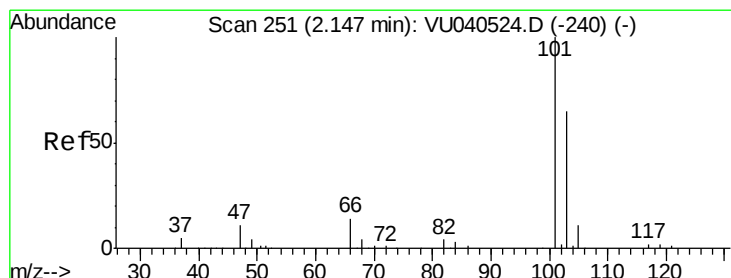
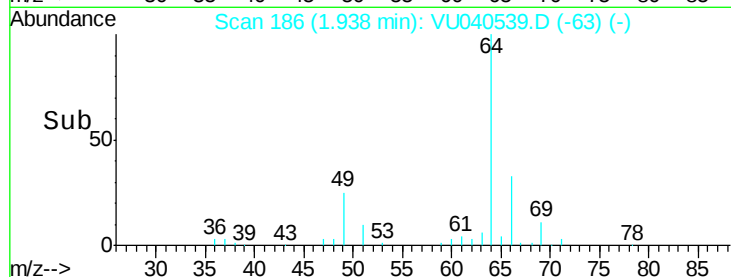
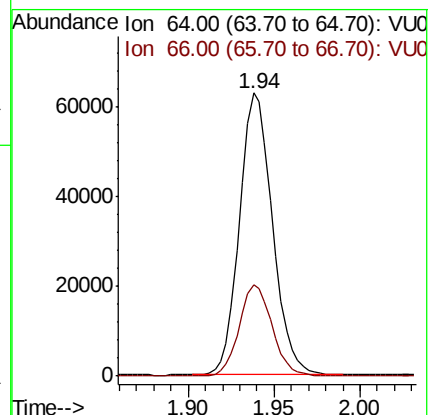
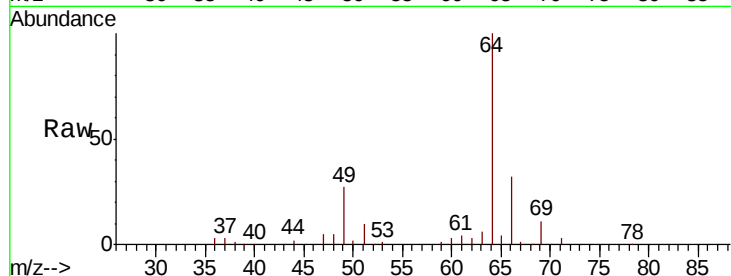
VSTD050209

Tot Ion: 64 Resp: 83583

Ion Ratio Lower Upper

64 100

66 32.3 22.5 41.9



#9

Trichlorofluoromethane

Concen: 47.678 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU040539.D

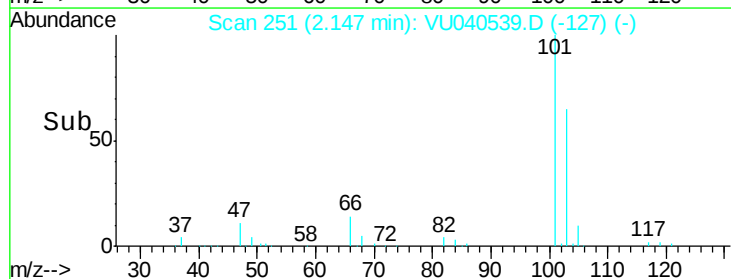
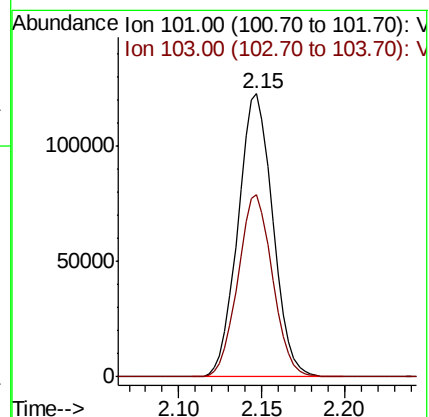
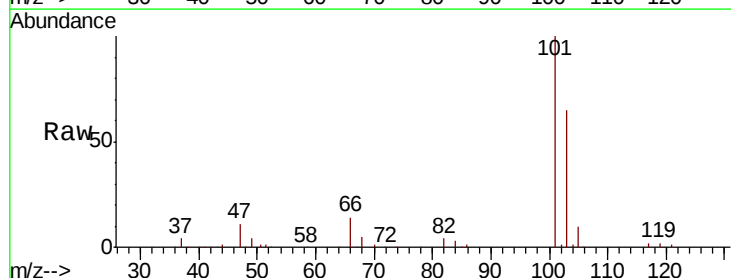
Acq: 06 Oct 2020 20:28

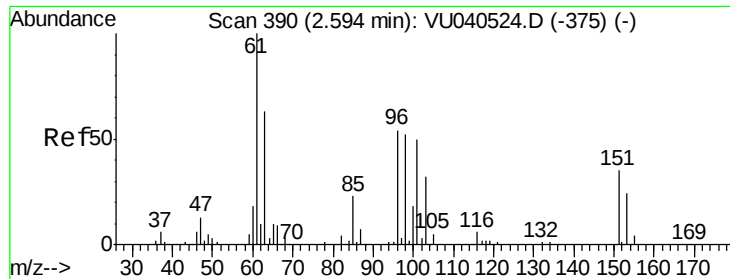
Tgt Ion: 101 Resp: 179257

Ion Ratio Lower Upper

101 100

103 64.0 52.1 78.1





#10

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

Concen: 46.994 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040539.D

Acq: 06 Oct 2020 20:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050209

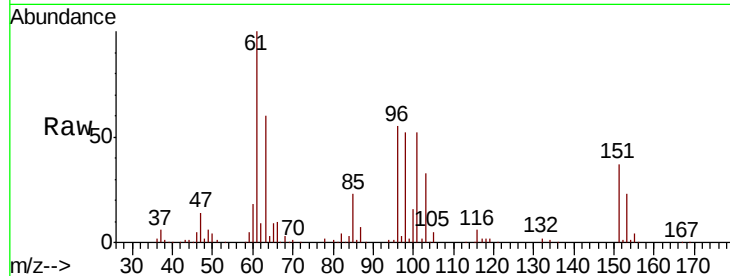
Tot Ion:101 Resp: 105322

Ion Ratio Lower Upper

101 100

85 44.5 35.4 53.2

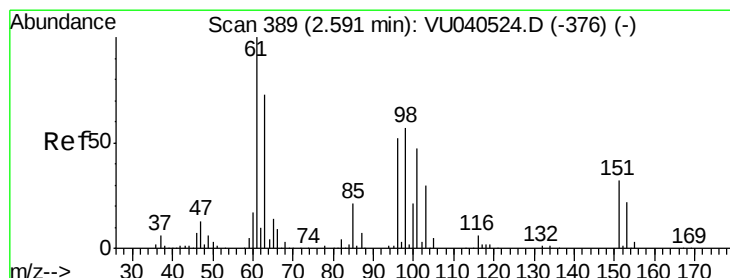
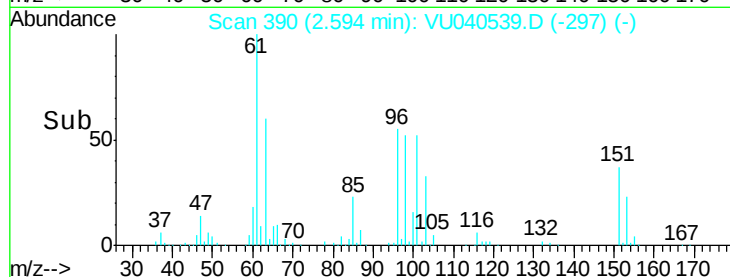
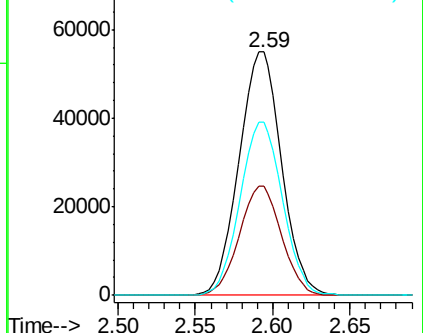
151 71.0 54.8 82.2



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: 47.786 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040539.D

Acq: 06 Oct 2020 20:28

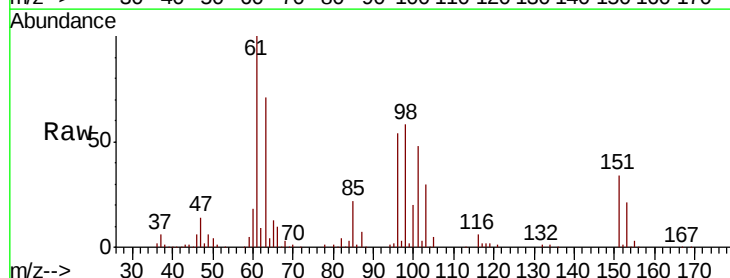
Tgt Ion: 96 Resp: 99019

Ion Ratio Lower Upper

96 100

61 186.1 135.0 250.8

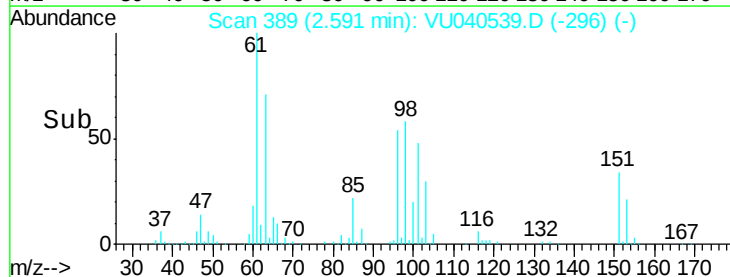
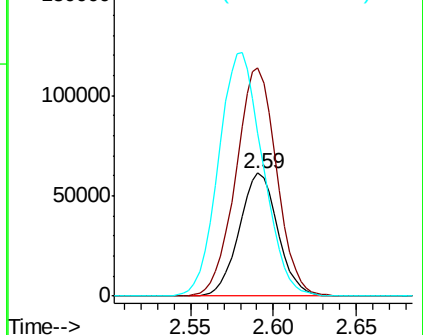
63 132.6 101.4 188.2

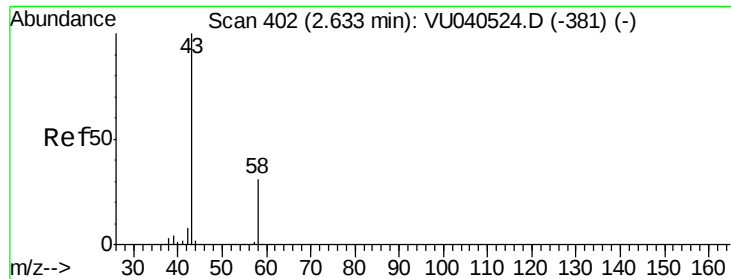


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 74.694 ug/L

RT: 2.63 min Scan# 402

Delta R.T. -0.00 min

Lab File: VU040539.D

Acq: 06 Oct 2020 20:28

Instrument :

MSVOA_U

ClientSampleId :

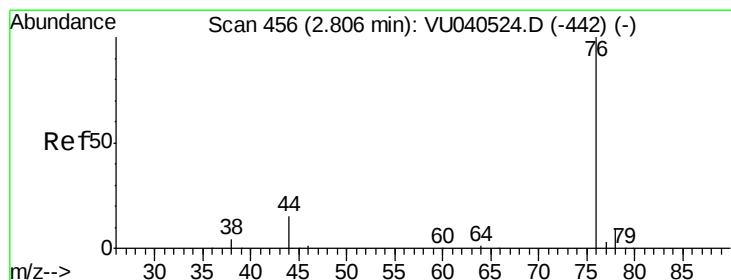
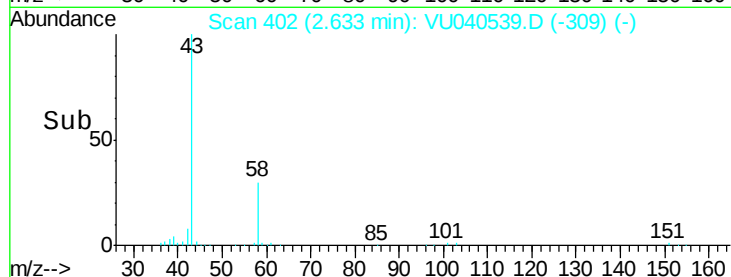
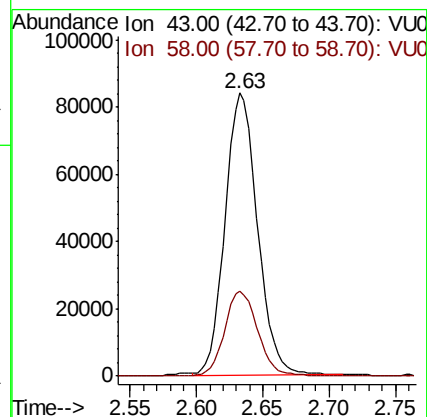
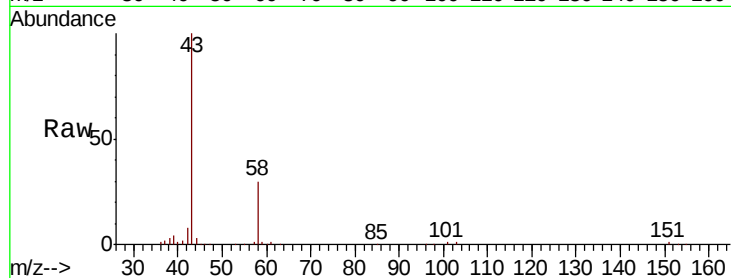
VSTD050209

Tot Ion: 43 Resp: 143036

Ion Ratio Lower Upper

43 100

58 30.7 0.0 60.2



#14

Carbon disulfide

Concen: 46.429 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU040539.D

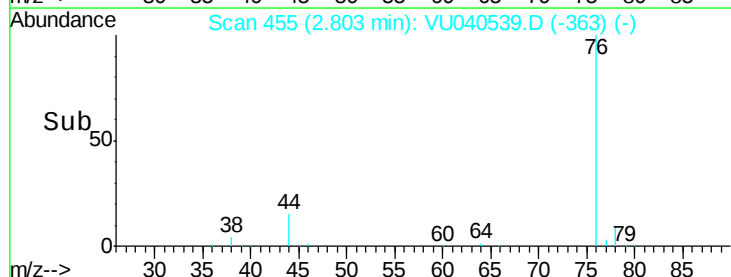
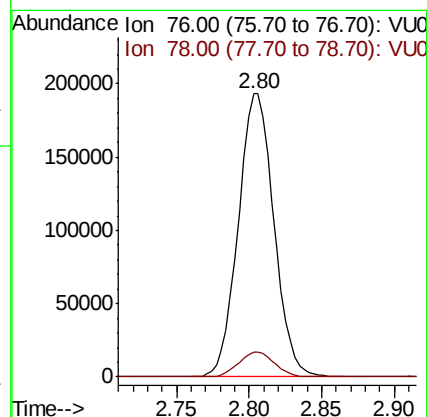
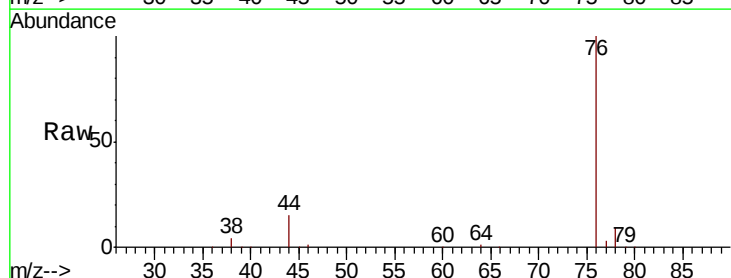
Acq: 06 Oct 2020 20:28

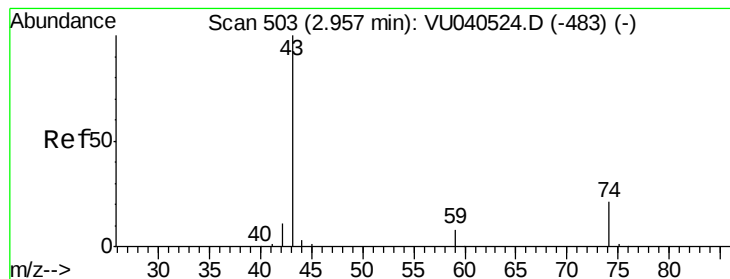
Tgt Ion: 76 Resp: 330283

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0





#15

Methvl Acetate

Concen: 48.078 ug/L

RT: 2.96 min Scan# 503

Delta R.T. -0.00 min

Lab File: VU040539.D

Acq: 06 Oct 2020 20:28

Instrument :

MSVOA_U

ClientSampleId :

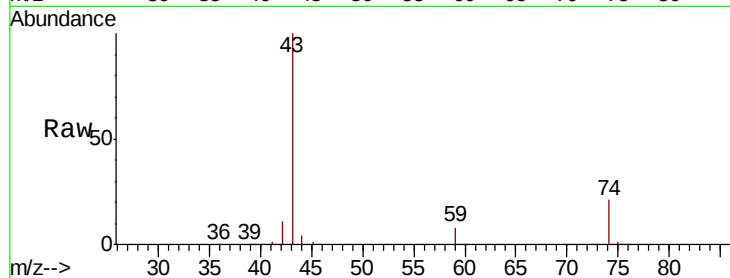
VSTD050209

Tot Ion: 43 Resp: 150173

Ion Ratio Lower Upper

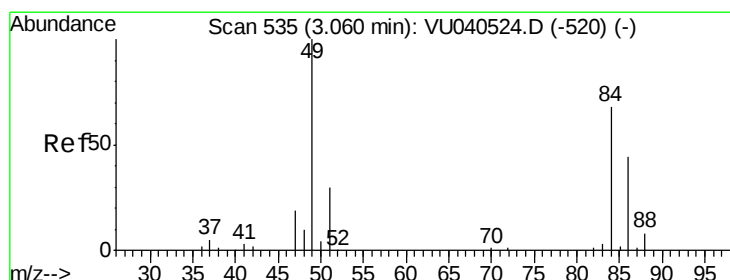
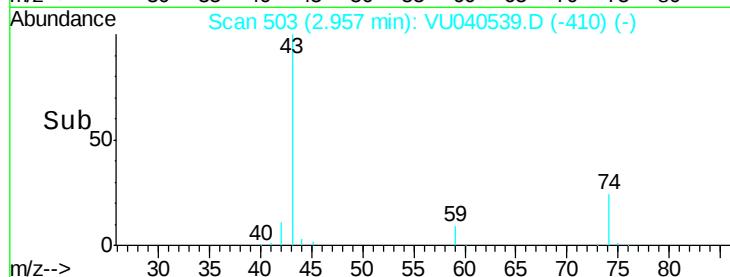
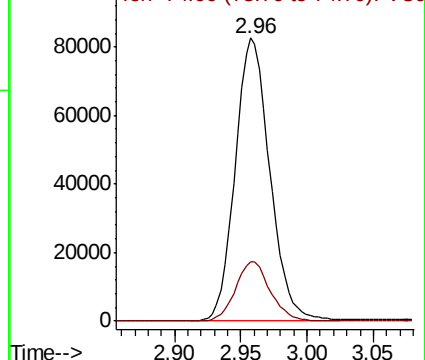
43 100

74 21.0 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 47.463 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU040539.D

Acq: 06 Oct 2020 20:28

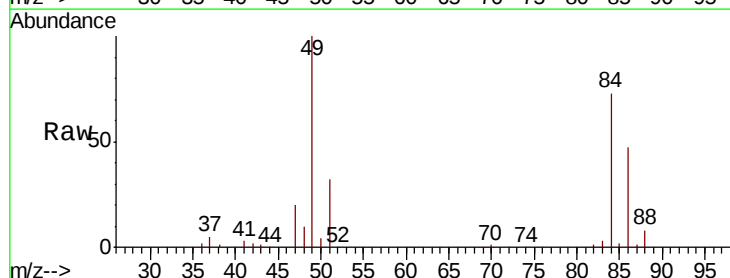
Tgt Ion: 84 Resp: 116637

Ion Ratio Lower Upper

84 100

86 63.8 45.4 84.4

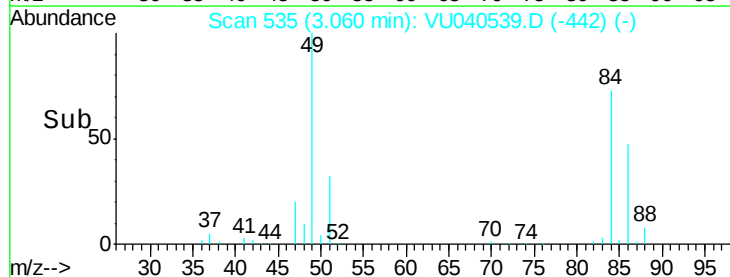
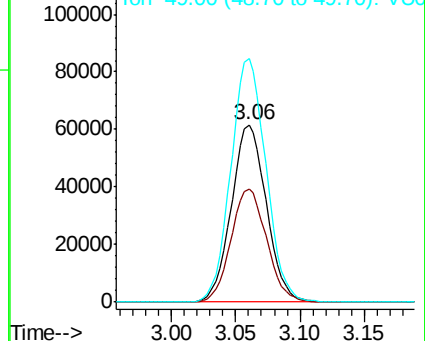
49 137.2 102.9 191.1

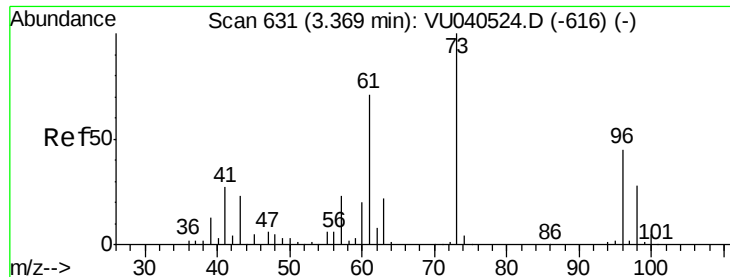


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

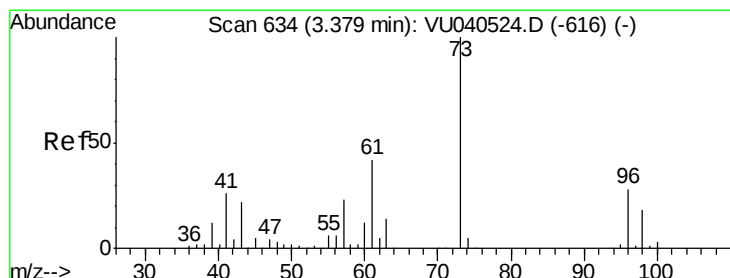
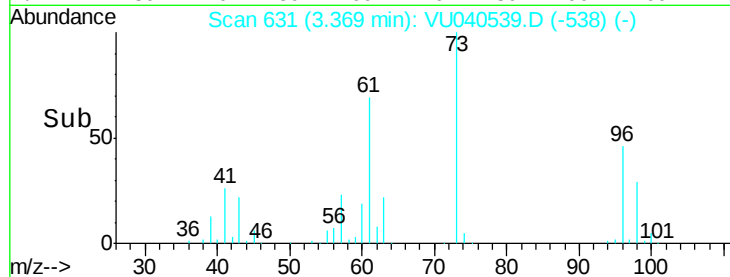
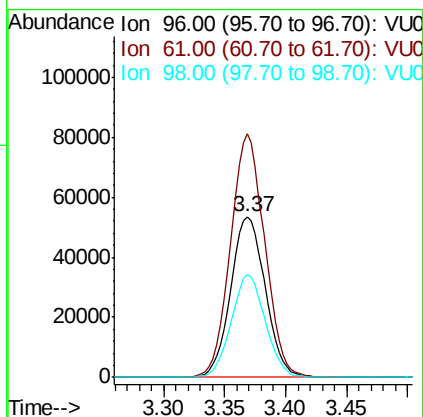
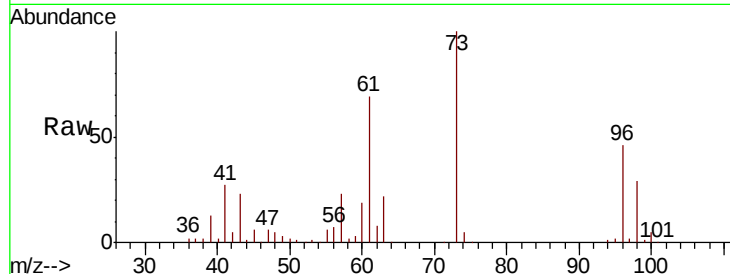




#17
trans-1,2-Dichloroethene
Concen: 47.800 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040539.D
Acq: 06 Oct 2020 20:28

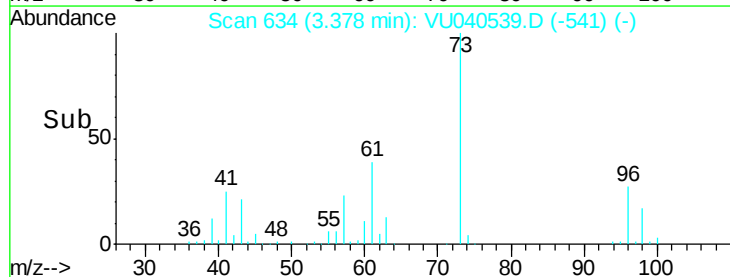
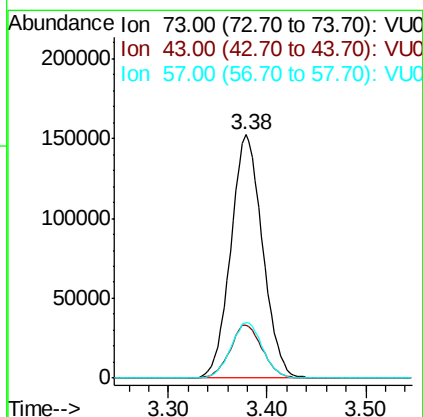
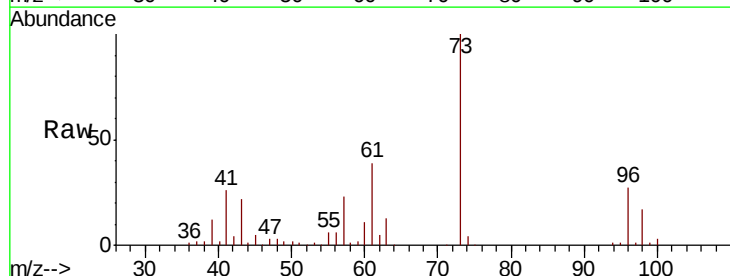
Instrument :
MSVOA_U
ClientSampleId :
VSTD050209

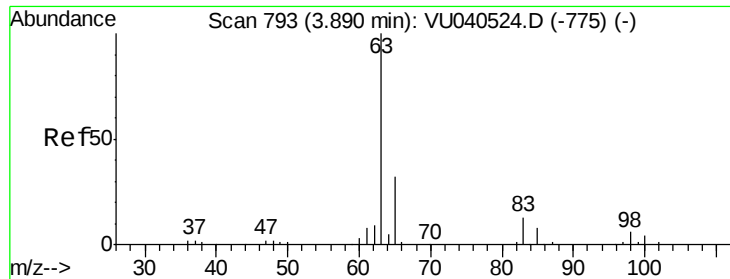
Tot Ion: 96 Resp: 105496
Ion Ratio Lower Upper
96 100
61 151.2 109.6 203.6
98 64.1 43.3 80.3



#18
Methyl tert-butyl Ether
Concen: 49.162 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU040539.D
Acq: 06 Oct 2020 20:28

Tgt Ion: 73 Resp: 341262
Ion Ratio Lower Upper
73 100
43 21.9 18.2 27.2
57 22.8 18.5 27.7

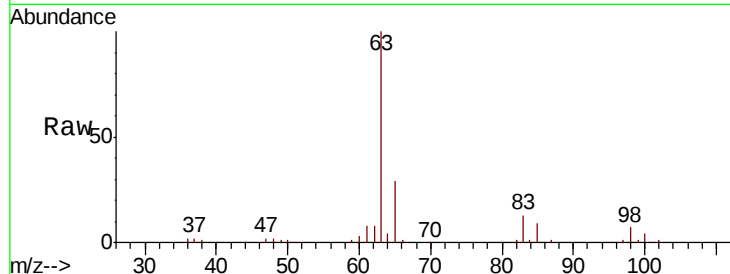




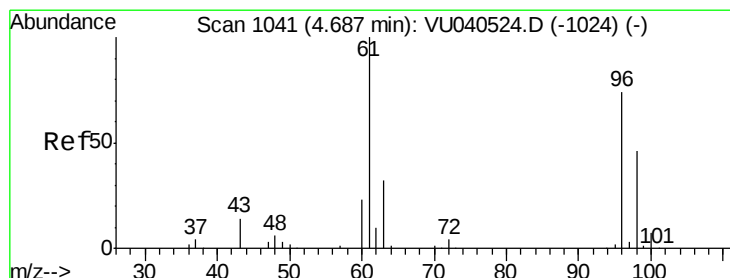
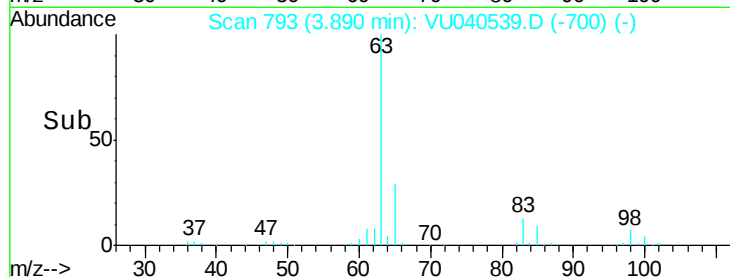
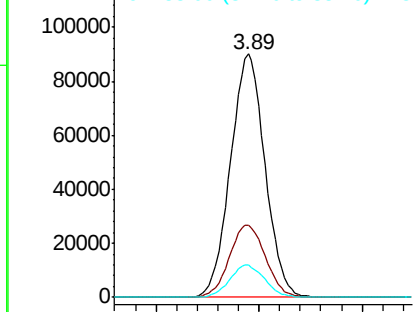
#19
 1,1-Dichloroethane
 Concen: 47.736 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU040539.D
 Acq: 06 Oct 2020 20:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050209

Tot Ion: 63 Resp: 210123
 Ion Ratio Lower Upper
 63 100
 65 29.4 22.6 42.0
 83 13.2 9.1 16.9

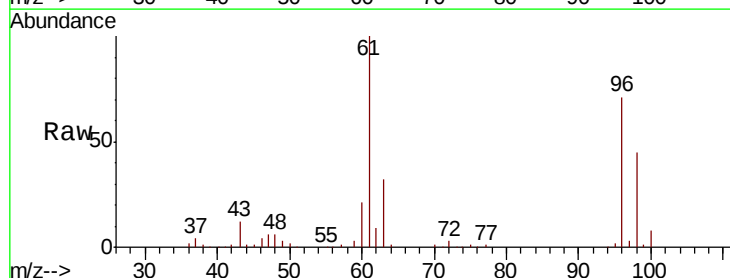


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

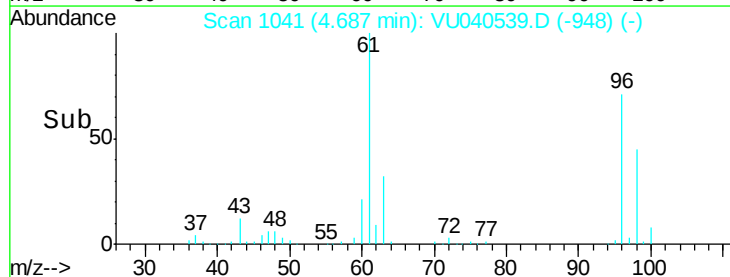
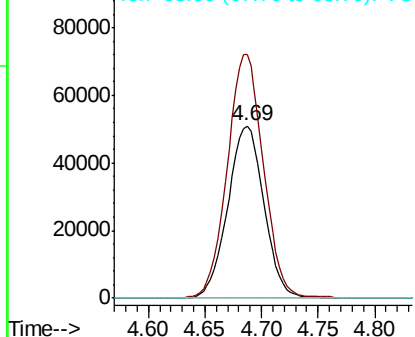


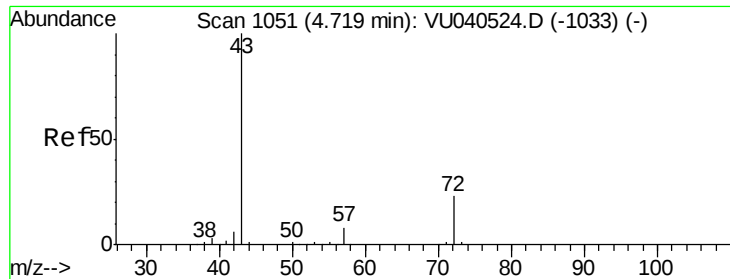
#20
 cis-1,2-Dichloroethene
 Concen: 47.748 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: VU040539.D
 Acq: 06 Oct 2020 20:28

Tgt Ion: 96 Resp: 113569
 Ion Ratio Lower Upper
 96 100
 61 141.1 95.7 177.7
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 89.184 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VU040539.D

Acq: 06 Oct 2020 20:28

Instrument :

MSVOA_U

ClientSampleId :

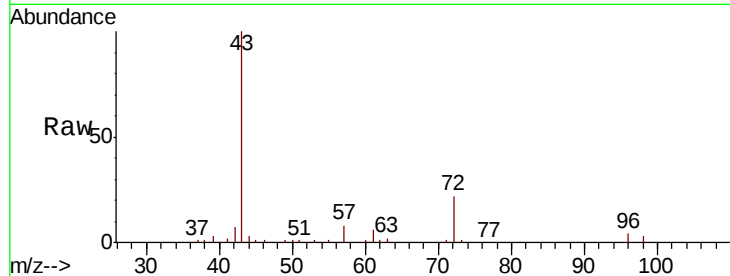
VSTD050209

Tot Ion: 43 Resp: 217858

Ion Ratio Lower Upper

43 100

72 22.8 11.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VU040539.D (-958) (-)

Ion 72.00 (71.70 to 72.70): VU040539.D (-958) (-)

4.72

100000

80000

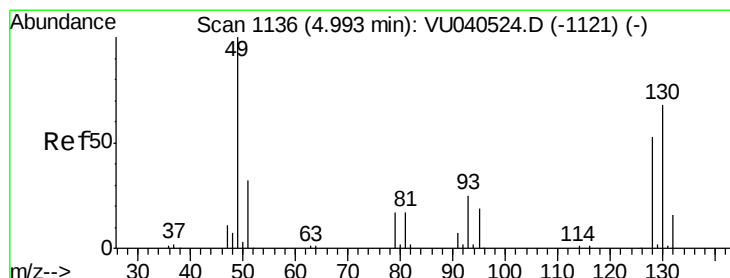
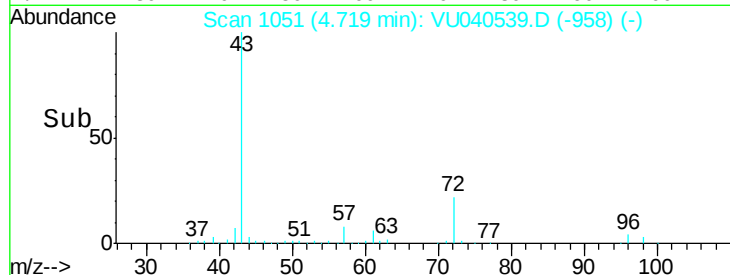
60000

40000

20000

0

Time--> 4.60 4.70 4.80



#23

Bromochloromethane

Concen: 48.766 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU040539.D

Acq: 06 Oct 2020 20:28

Tgt Ion: 128 Resp: 60445

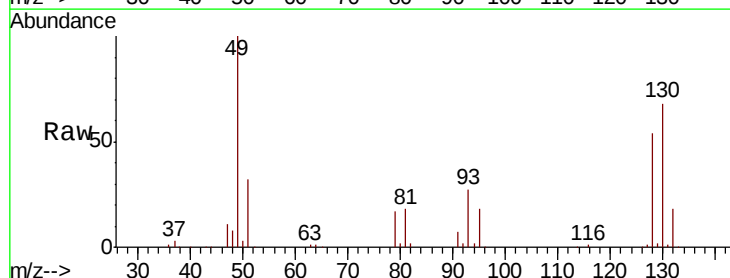
Ion Ratio Lower Upper

128 100

49 183.6 133.1 247.3

130 124.5 90.5 168.1

51 58.0 48.4 72.6



Abundance Ion 128.00 (127.70 to 128.70): VU040539.D (-1043) (-)

Ion 49.00 (48.70 to 49.70): VU040539.D (-1043) (-)

Ion 130.00 (129.70 to 130.70): VU040539.D (-1043) (-)

Ion 51.00 (50.70 to 51.70): VU040539.D (-1043) (-)

80000

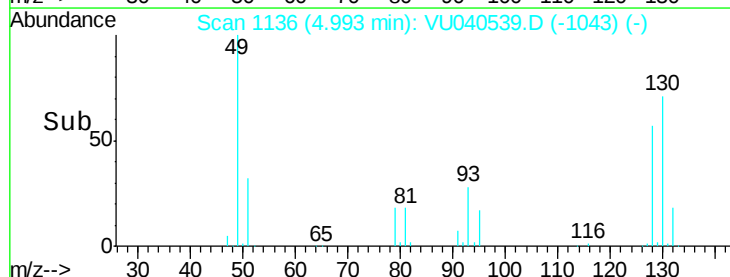
60000

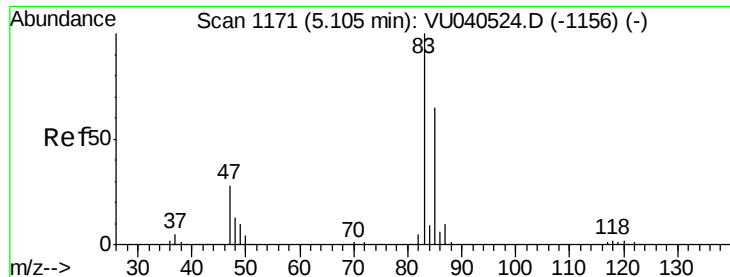
40000

20000

0

Time--> 4.90 4.95 5.00 5.05

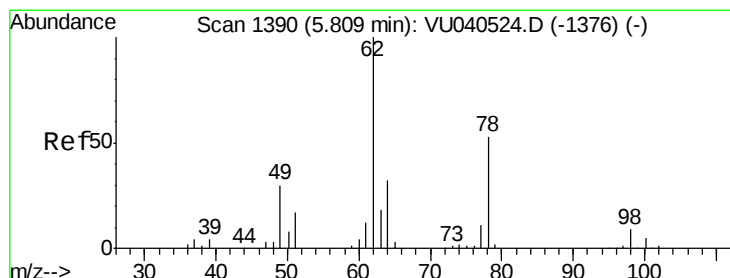
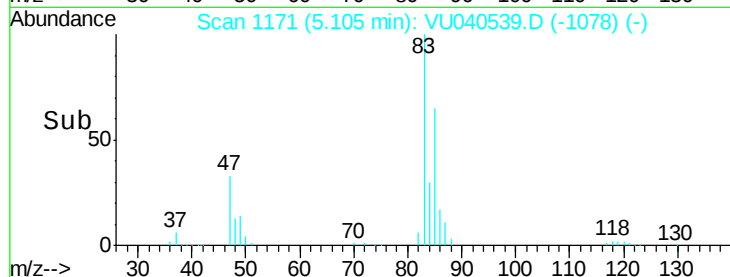
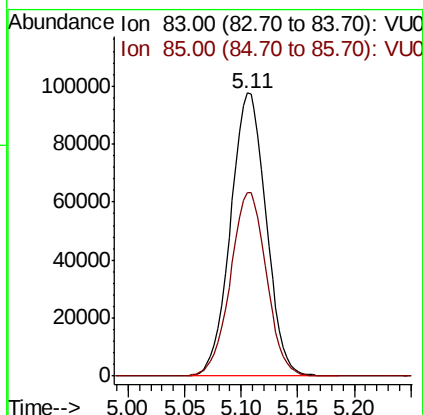
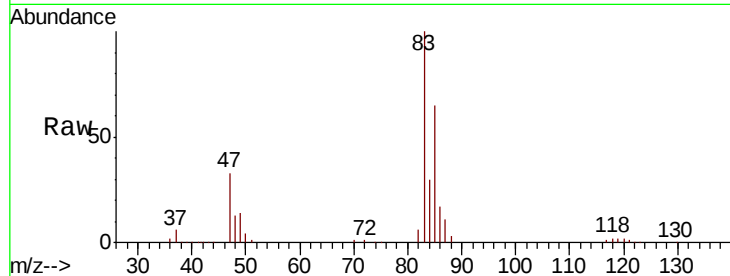




#25
Chloroform
Concen: 47.491 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040539.D
Acq: 06 Oct 2020 20:28

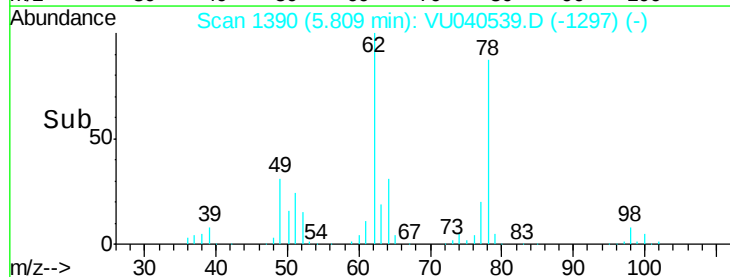
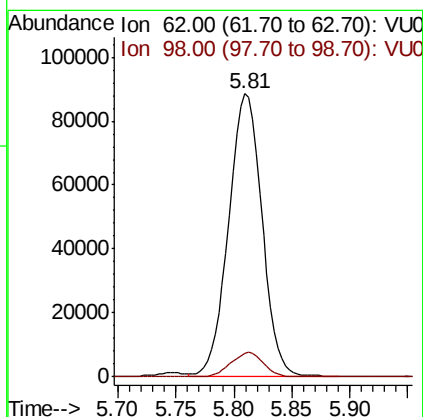
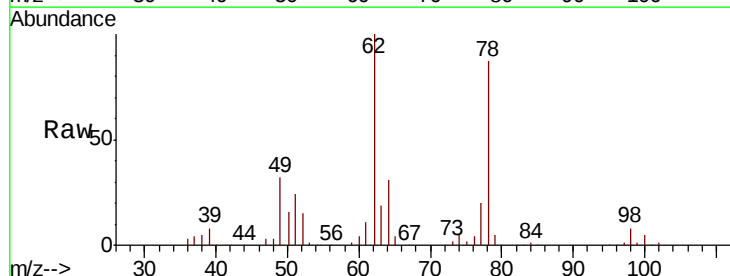
Instrument :
MSVOA_U
ClientSampled :
VSTD050209

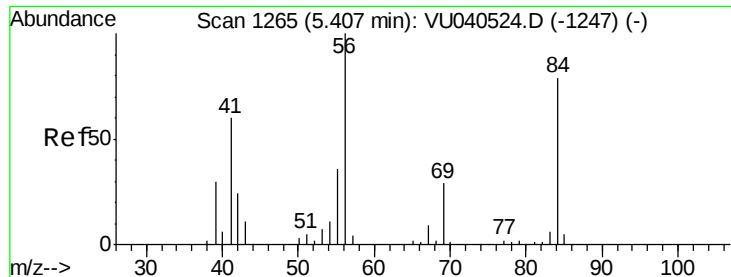
Tot Ion: 83 Resp: 213157
Ion Ratio Lower Upper
83 100
85 65.0 45.6 84.8



#27
1,2-Dichloroethane
Concen: 47.568 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040539.D
Acq: 06 Oct 2020 20:28

Tgt Ion: 62 Resp: 176195
Ion Ratio Lower Upper
62 100
98 8.3 7.1 10.7

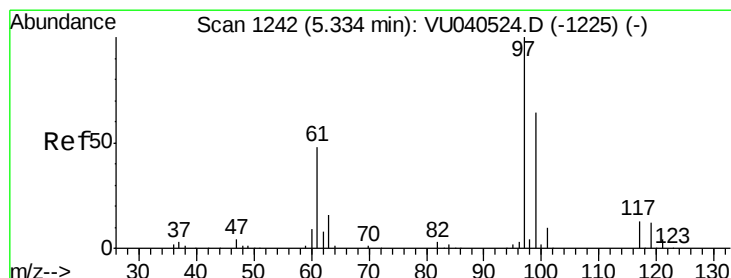
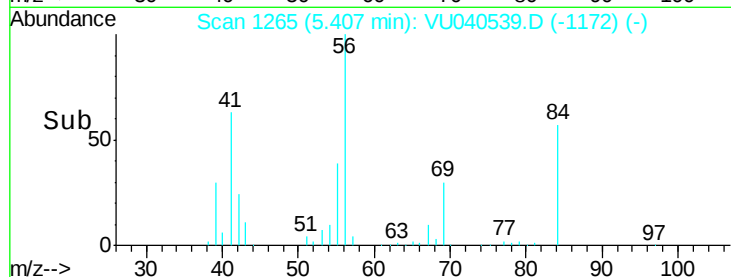
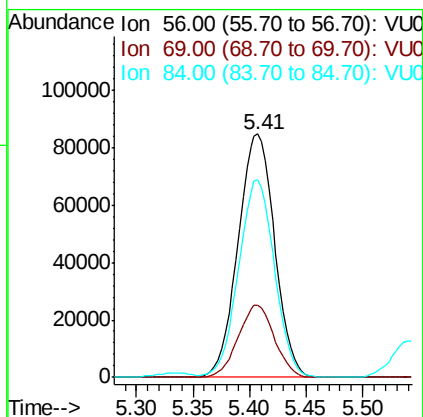
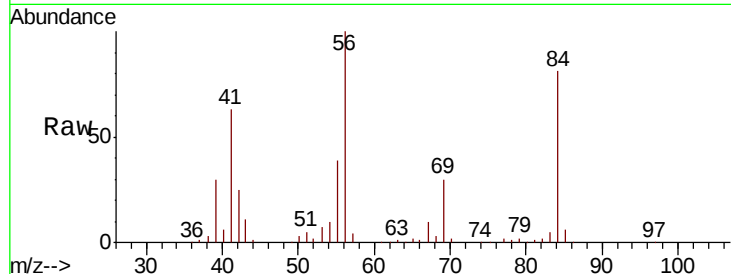




#29
Cyclohexane
Concen: 49.983 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VU040539.D
Acq: 06 Oct 2020 20:28

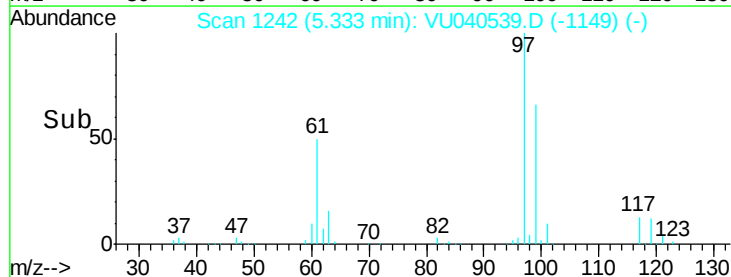
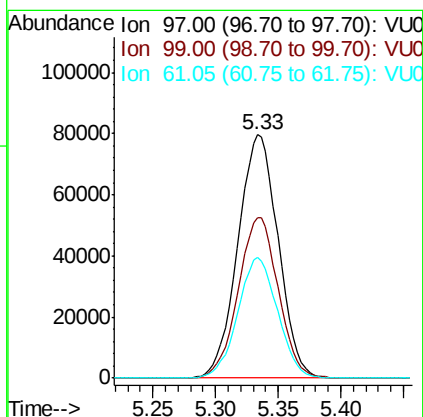
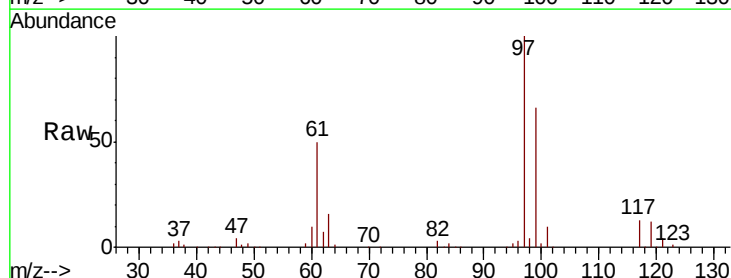
Instrument :
MSVOA_U
ClientSampleId :
VSTD050209

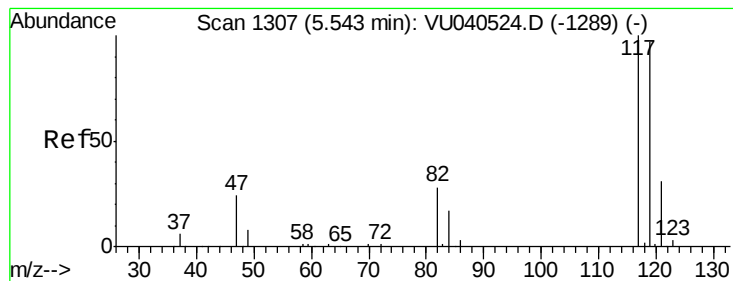
Tot Ion: 56 Resp: 190847
Ion Ratio Lower Upper
56 100
69 29.4 22.6 34.0
84 79.9 63.1 94.7



#30
1,1,1-Trichloroethane
Concen: 48.607 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VU040539.D
Acq: 06 Oct 2020 20:28

Tgt Ion: 97 Resp: 178018
Ion Ratio Lower Upper
97 100
99 65.7 51.0 76.6
61 48.8 39.4 59.2





#31

Carbon tetrachloride

Concen: 49.510 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VU040539.D

Acq: 06 Oct 2020 20:28

Instrument :

MSVOA_U

ClientSampleId :

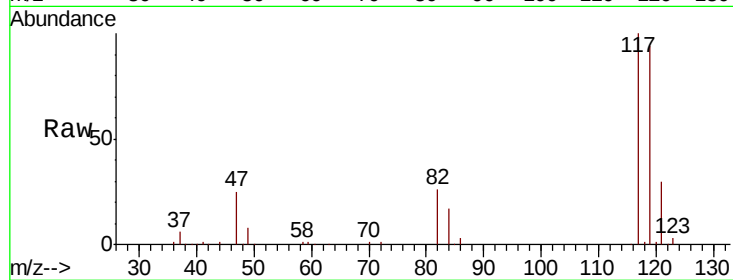
VSTD050209

Tot Ion:117 Resp: 156796

Ion Ratio Lower Upper

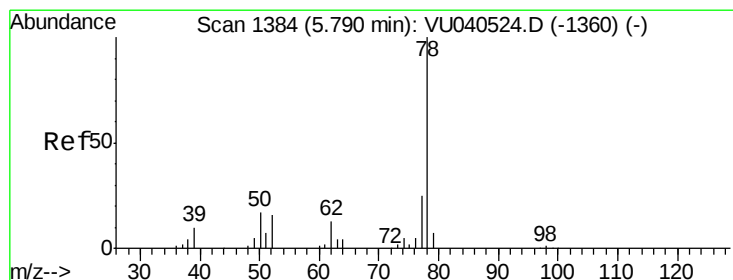
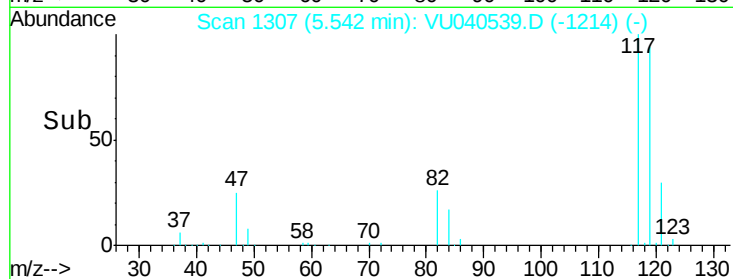
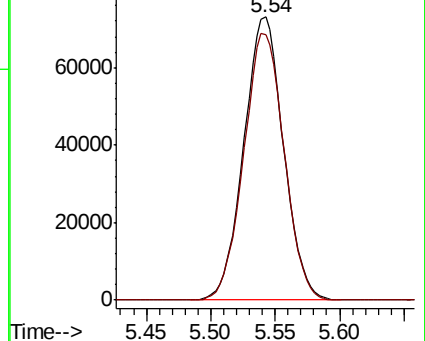
117 100

119 95.8 75.8 113.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.902 ug/L

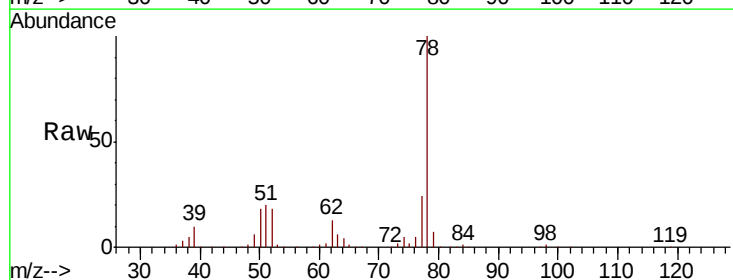
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

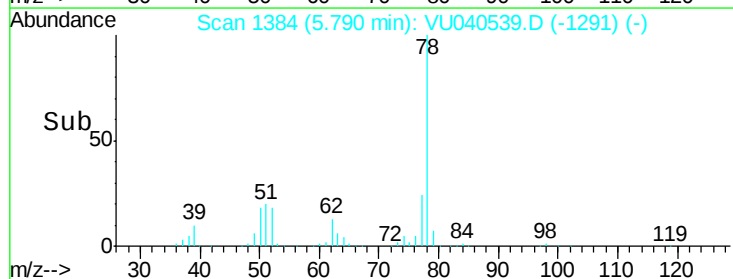
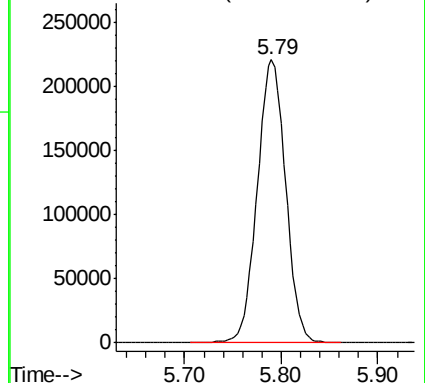
Lab File: VU040539.D

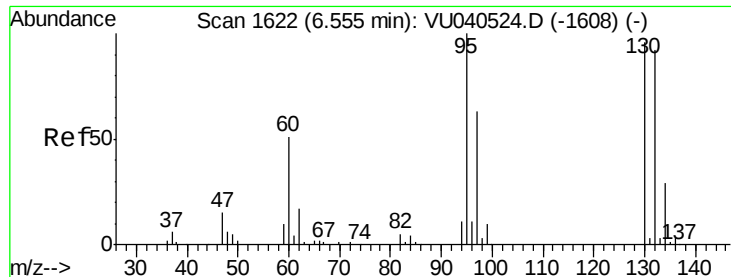
Acq: 06 Oct 2020 20:28

Tgt Ion: 78 Resp: 450734



Abundance Ion 78.00 (77.70 to 78.70): VU0

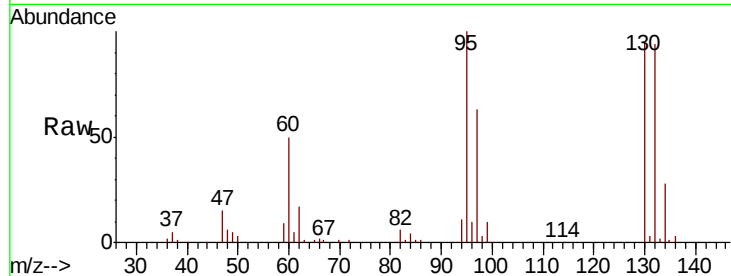




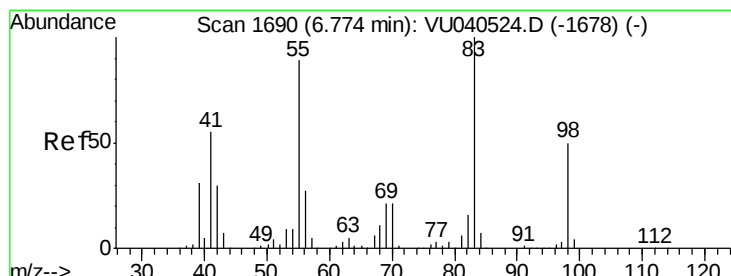
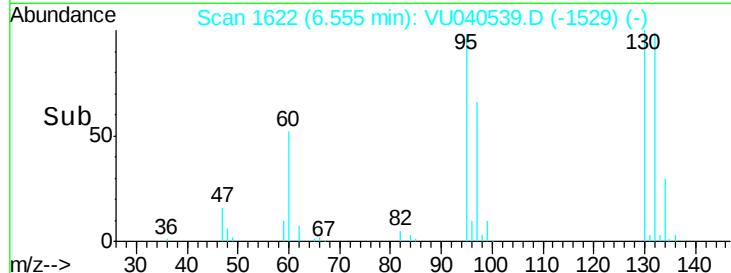
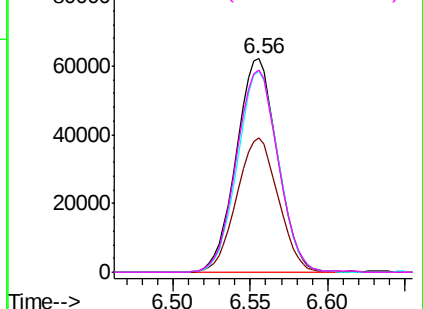
#34
 Trichloroethene
 Concen: 48.433 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. -0.00 min
 Lab File: VU040539.D
 Acq: 06 Oct 2020 20:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050209

Tot Ion: 95 Resp: 114998
 Ion Ratio Lower Upper
 95 100
 97 62.9 44.3 82.3
 132 93.9 64.2 119.2
 130 94.7 67.3 125.1

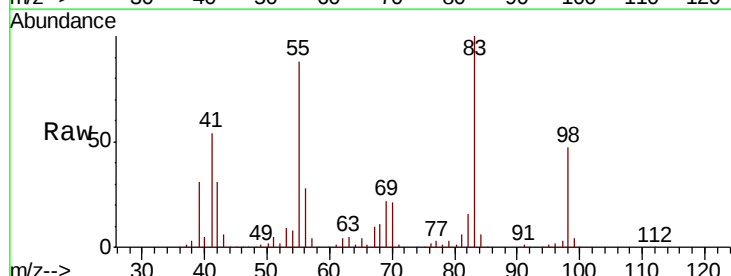


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

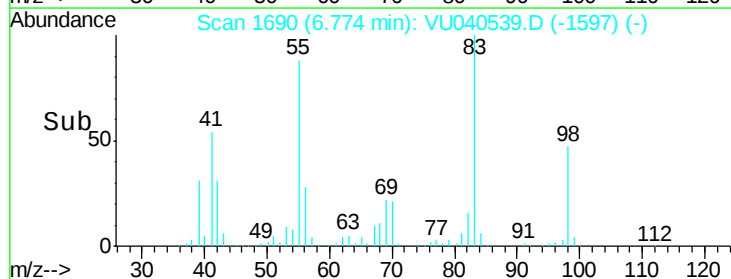
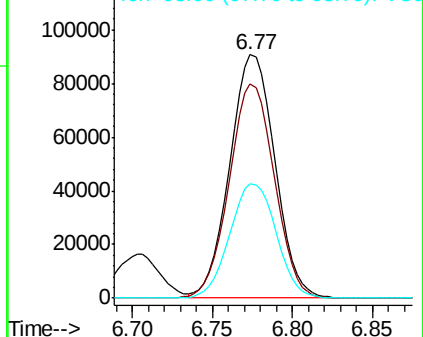


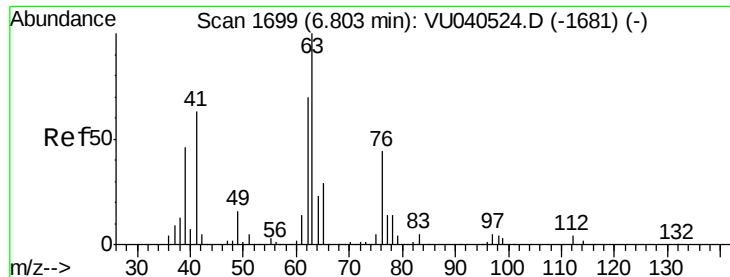
#35
 Methylcyclohexane
 Concen: 48.246 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU040539.D
 Acq: 06 Oct 2020 20:28

Tgt Ion: 83 Resp: 174164
 Ion Ratio Lower Upper
 83 100
 55 88.5 69.8 104.8
 98 48.7 39.1 58.7



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

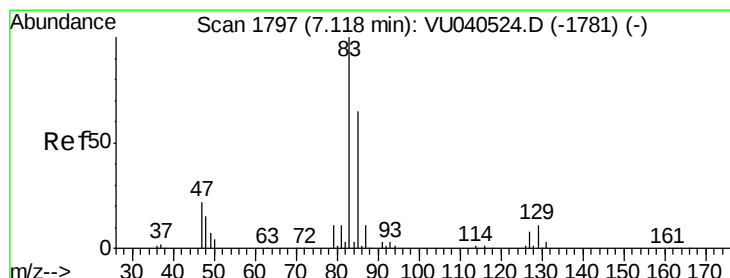
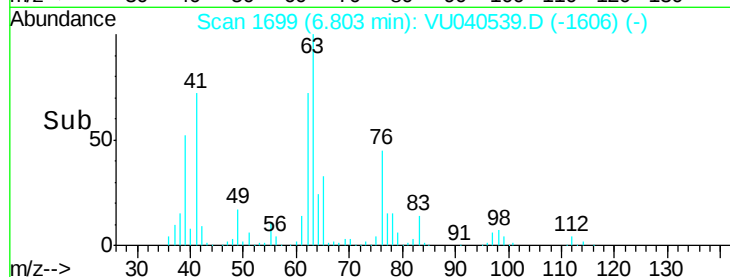
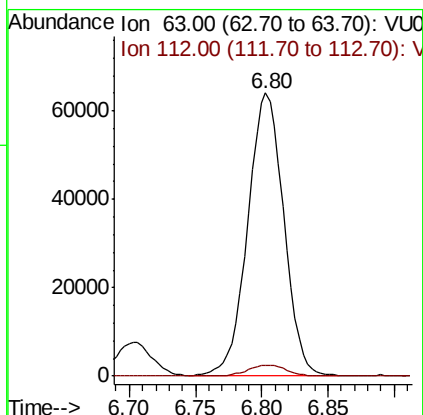
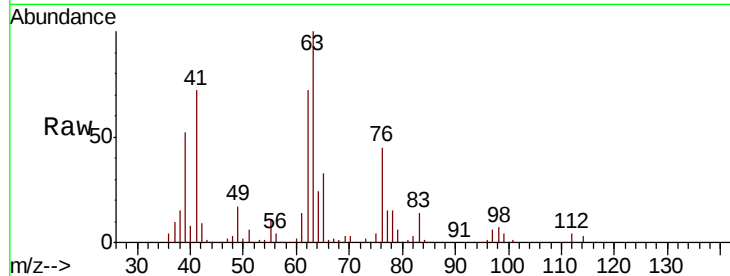




#37
 1,2-Dichloropropane
 Concen: 47.708 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU040539.D
 Acq: 06 Oct 2020 20:28

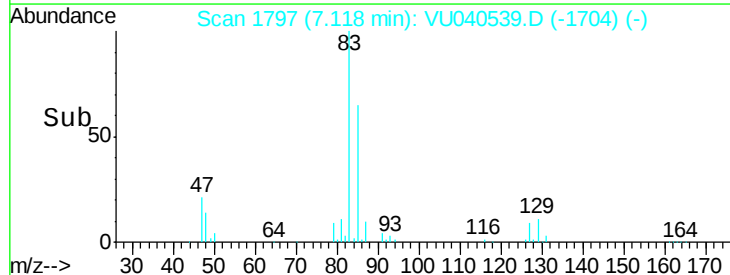
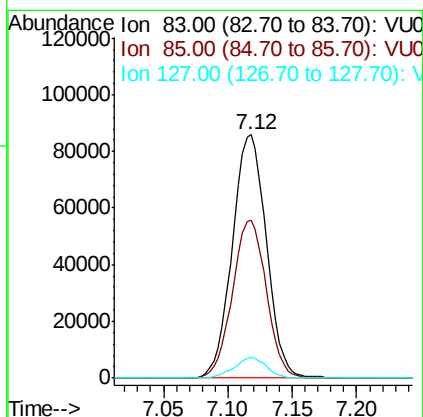
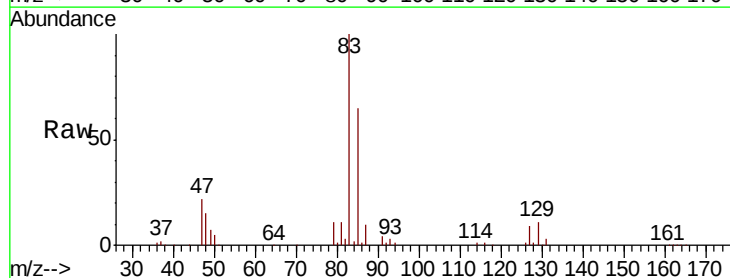
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050209

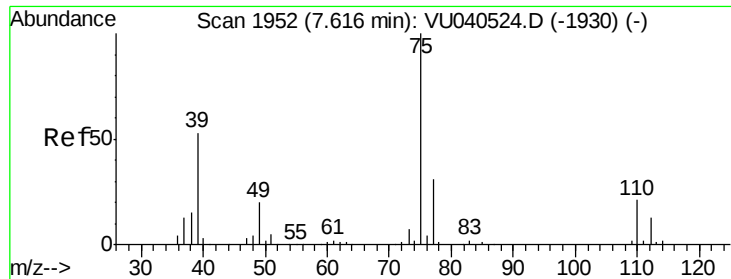
Tot Ion: 63 Resp: 120752
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.5 5.3



#38
 Bromodichloromethane
 Concen: 48.034 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VU040539.D
 Acq: 06 Oct 2020 20:28

Tgt Ion: 83 Resp: 157922
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.2 84.0
 127 8.6 6.7 10.1

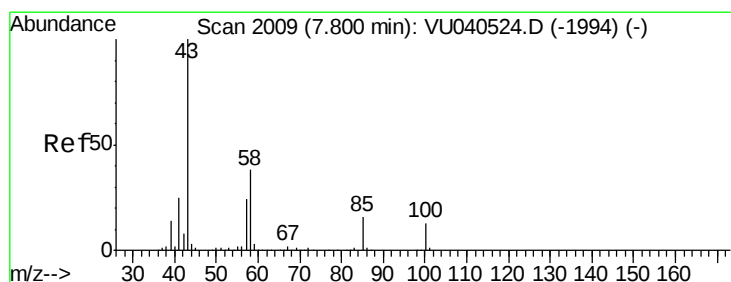
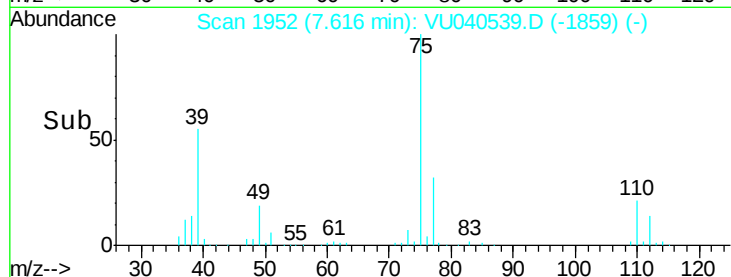
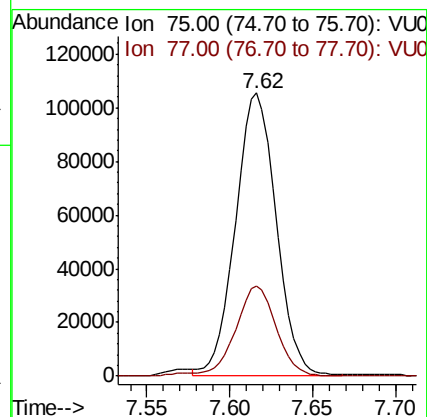
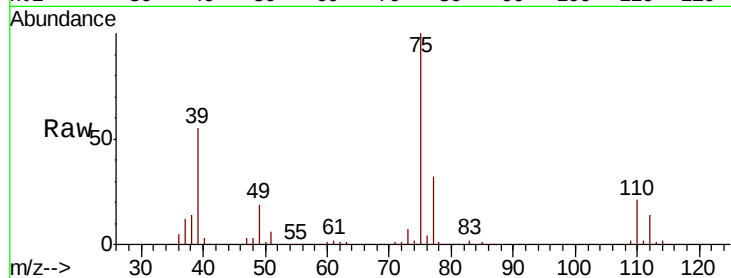




#39
 cis-1,3-Dichloropropene
 Concen: 48.411 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU040539.D
 Acq: 06 Oct 2020 20:28

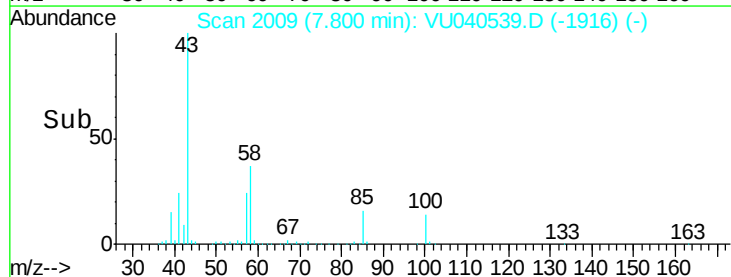
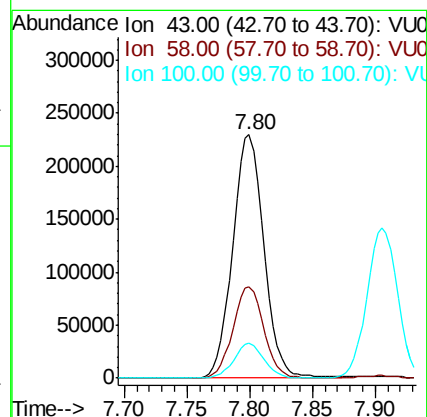
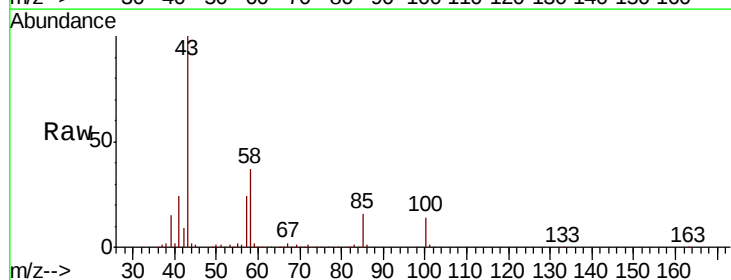
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050209

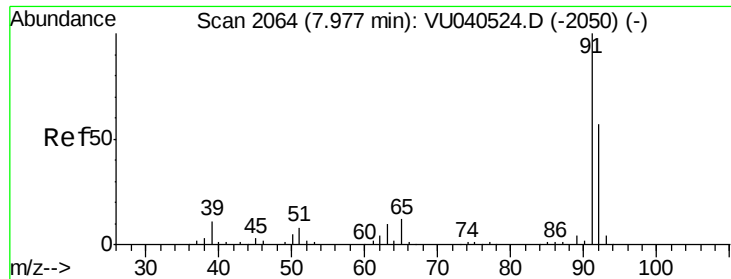
Tot Ion: 75 Resp: 179581
 Ion Ratio Lower Upper
 75 100
 77 32.0 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 99.724 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040539.D
 Acq: 06 Oct 2020 20:28

Tgt Ion: 43 Resp: 398280
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.7 44.5
 100 13.8 10.5 15.7





#42

Toluene

Concen: 50.137 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040539.D

Acq: 06 Oct 2020 20:28

Instrument :

MSVOA_U

ClientSampleId :

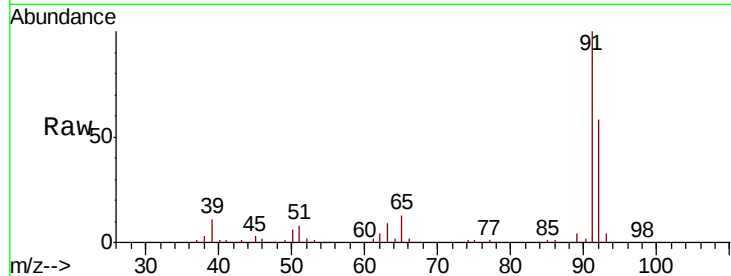
VSTD050209

Tot Ion: 91 Resp: 471798

Ion Ratio Lower Upper

91 100

92 58.2 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU040524.D (-2050) (-)

Ion 92.00 (91.70 to 92.70): VU040524.D (-2050) (-)

7.98

300000

250000

200000

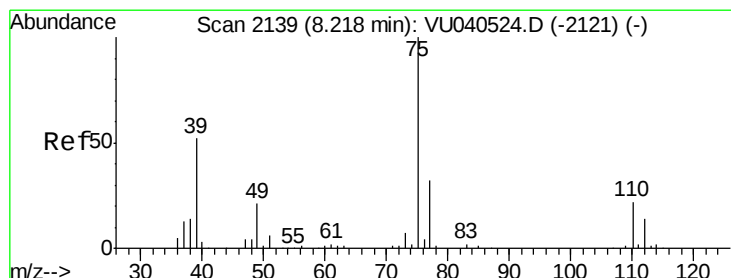
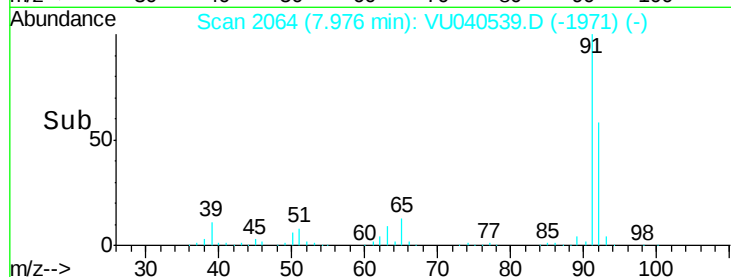
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.315 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU040539.D

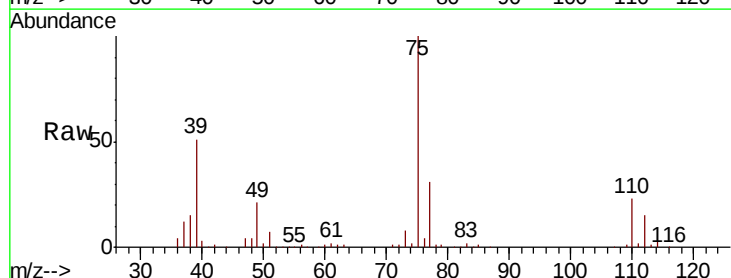
Acq: 06 Oct 2020 20:28

Tgt Ion: 75 Resp: 184186

Ion Ratio Lower Upper

75 100

77 31.3 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU040524.D (-2121) (-)

Ion 77.00 (76.70 to 77.70): VU040524.D (-2121) (-)

8.22

120000

100000

80000

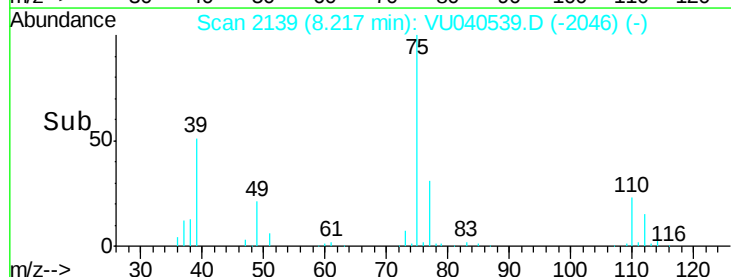
60000

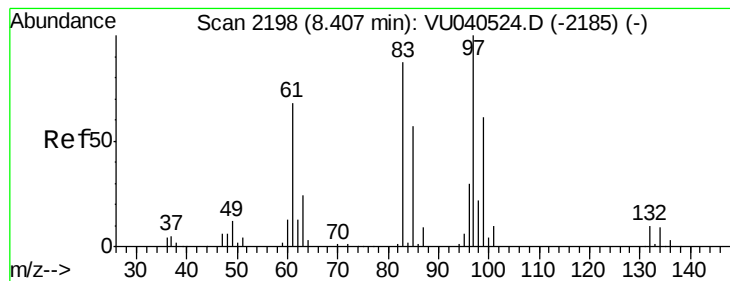
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 48.869 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU040539.D

Acq: 06 Oct 2020 20:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050209

Tot Ion: 97 Resp: 110804

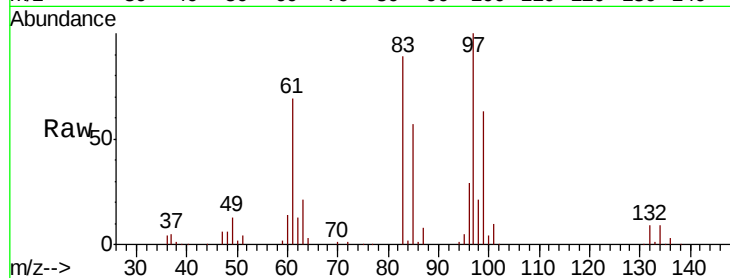
Ion Ratio Lower Upper

97 100

99 63.2 42.7 79.3

83 89.0 61.0 113.4

85 56.7 39.8 73.8

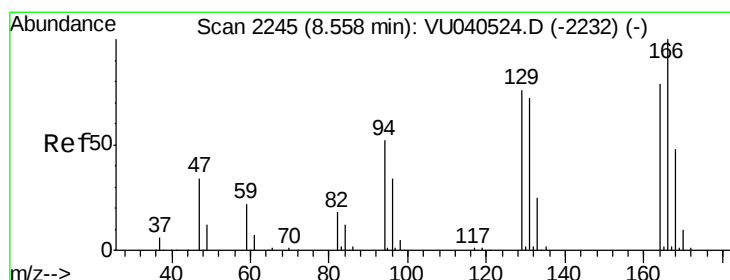
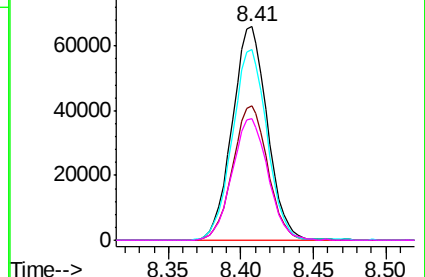
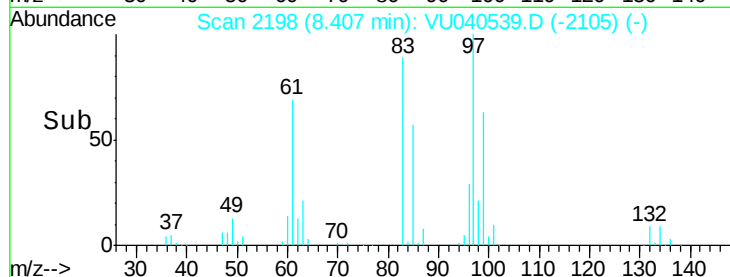


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 48.827 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU040539.D

Acq: 06 Oct 2020 20:28

Tgt Ion: 164 Resp: 83772

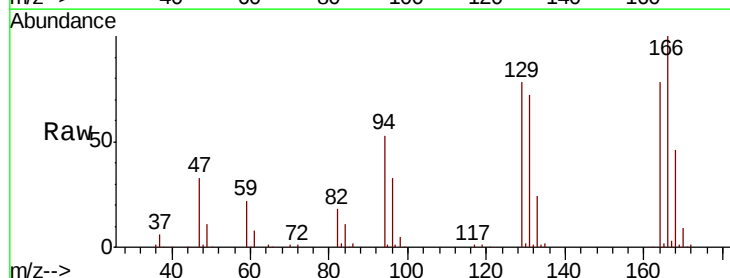
Ion Ratio Lower Upper

164 100

129 99.7 67.4 125.2

131 92.5 63.8 118.6

166 128.3 88.7 164.7

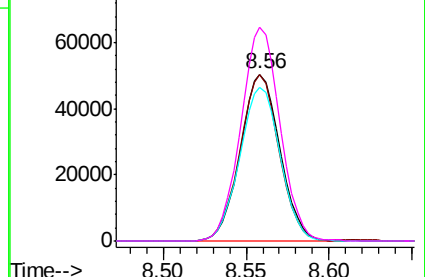
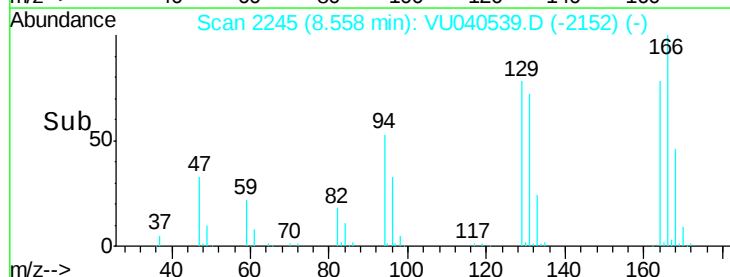


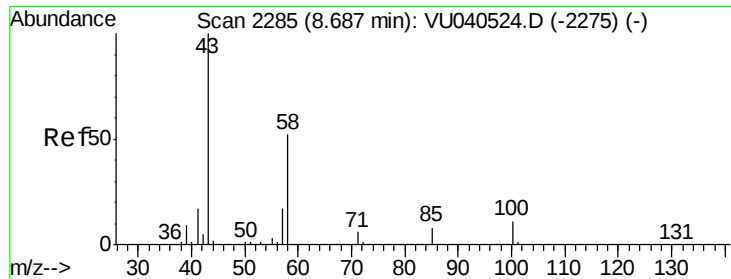
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

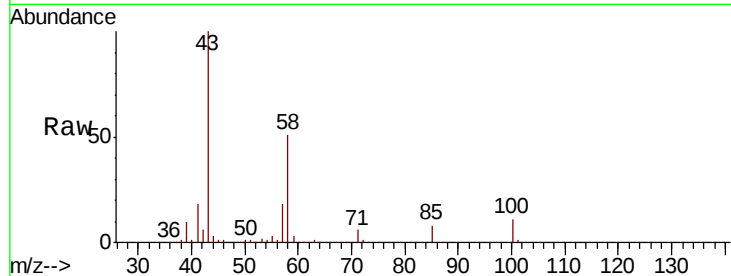




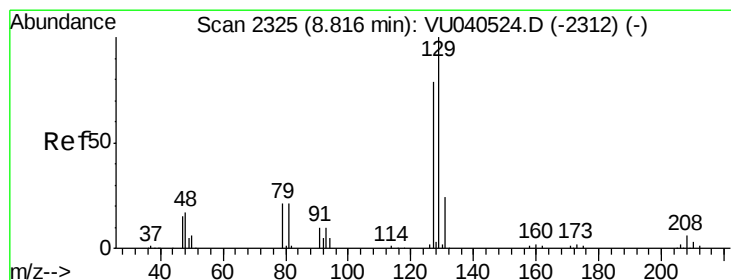
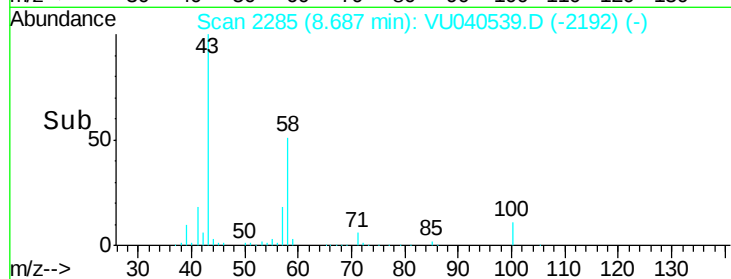
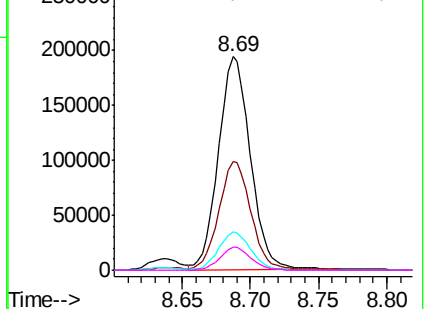
#48
2-Hexanone
Concen: 97.044 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU040539.D
Acq: 06 Oct 2020 20:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD050209

Tot Ion: 43 Resp: 315010
Ion Ratio Lower Upper
43 100
58 51.0 40.6 60.8
57 17.6 14.3 21.5
100 10.6 8.5 12.7

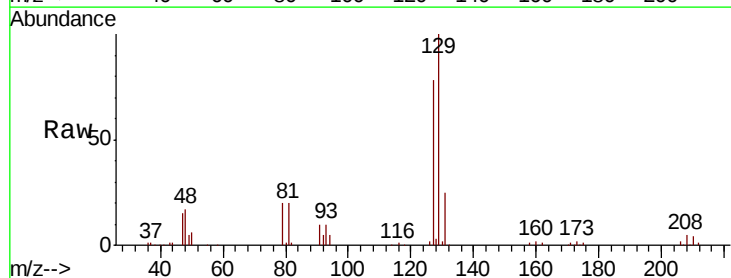


Abundance Ion 43.00 (42.70 to 43.70): VU040539.D (-2192) (-)
Ion 58.00 (57.70 to 58.70): VU040539.D (-2192) (-)
Ion 57.00 (56.70 to 57.70): VU040539.D (-2192) (-)
Ion 100.00 (99.70 to 100.70): VU040539.D (-2192) (-)

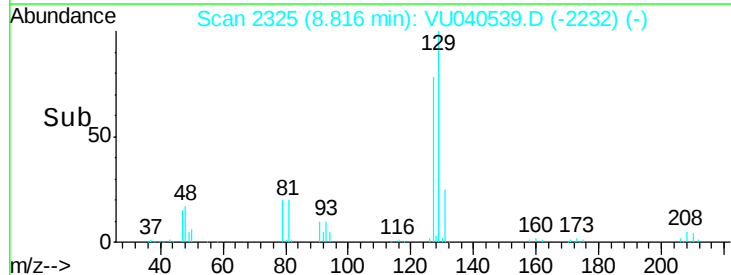
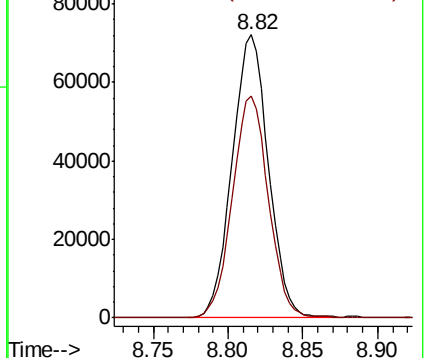


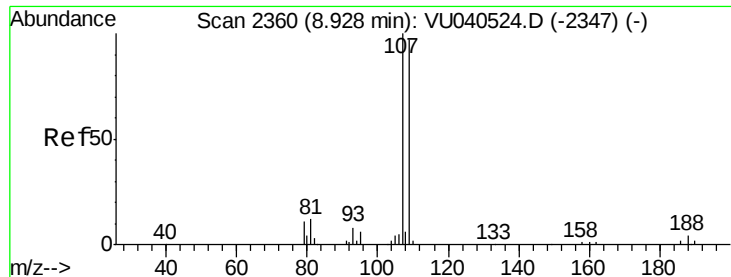
#49
Dibromochloromethane
Concen: 49.181 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU040539.D
Acq: 06 Oct 2020 20:28

Tgt Ion: 129 Resp: 121764
Ion Ratio Lower Upper
129 100
127 78.3 54.9 102.1



Abundance Ion 129.00 (128.70 to 129.70): VU040539.D (-2232) (-)
Ion 127.00 (126.70 to 127.70): VU040539.D (-2232) (-)

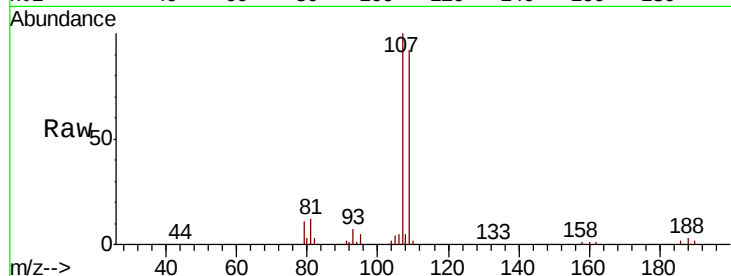




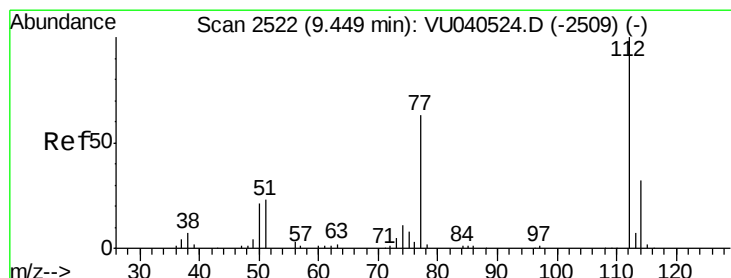
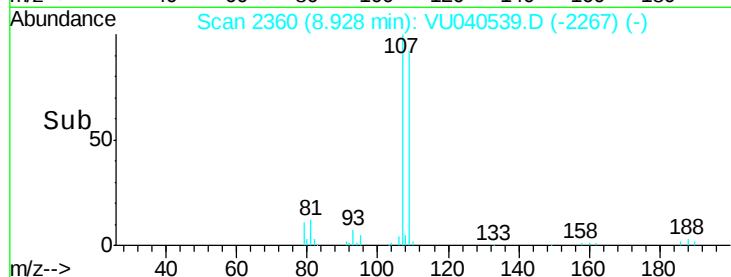
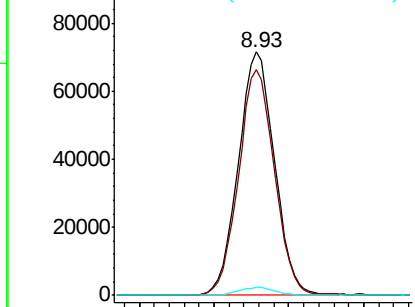
#50
1,2-Dibromoethane
Concen: 50.067 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU040539.D
Acq: 06 Oct 2020 20:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD050209

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.5	67.8	125.8
188	3.4	2.8	4.2

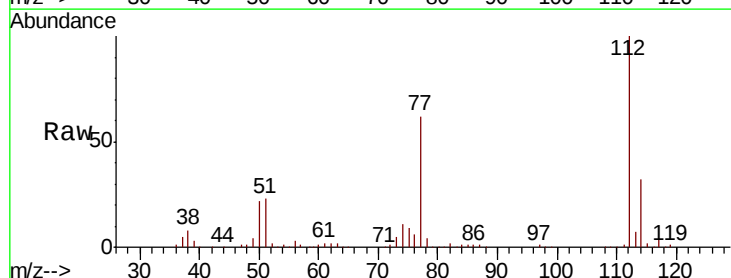


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

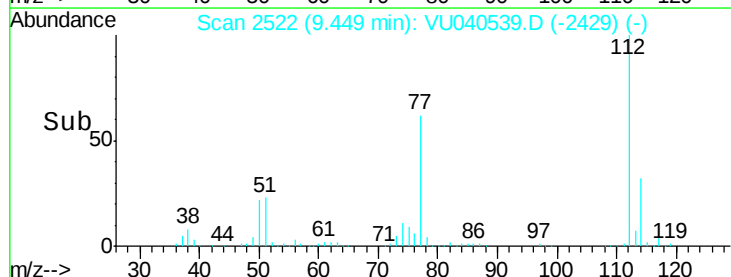
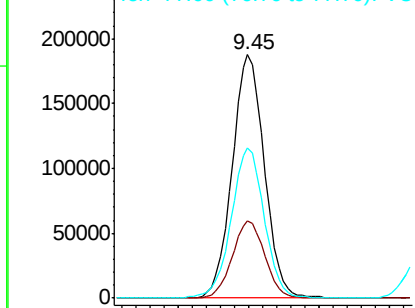


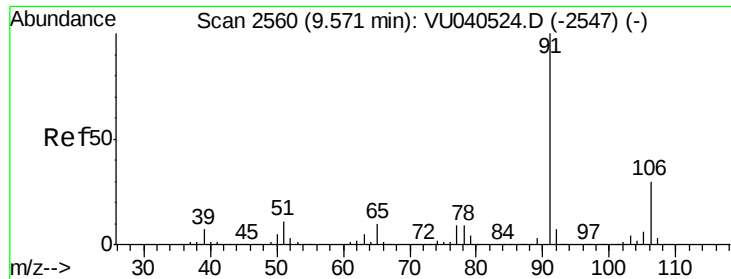
#51
Chlorobenzene
Concen: 48.565 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040539.D
Acq: 06 Oct 2020 20:28

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.1	41.1
77	61.9	50.4	75.6



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 50.289 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040539.D

Acq: 06 Oct 2020 20:28

Instrument :

MSVOA_U

ClientSampleId :

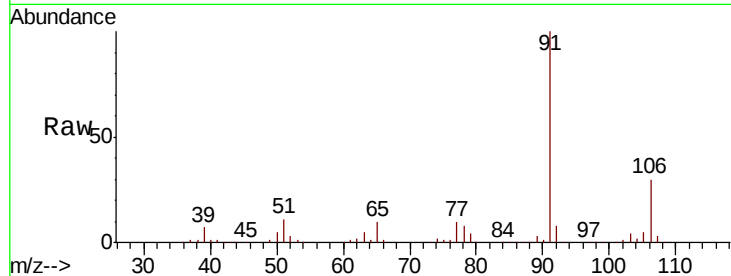
VSTD050209

Tot Ion: 91 Resp: 525265

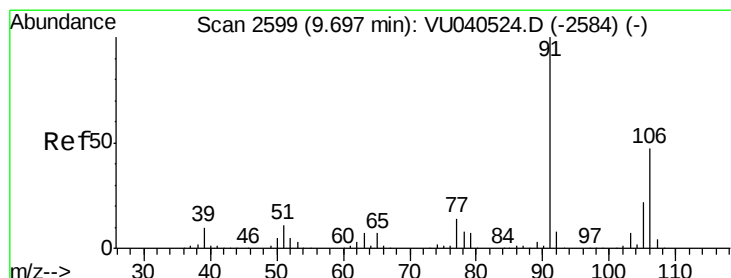
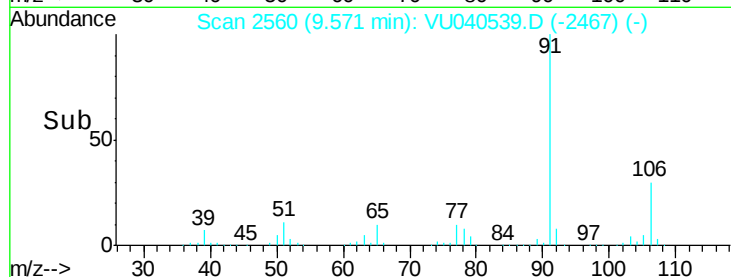
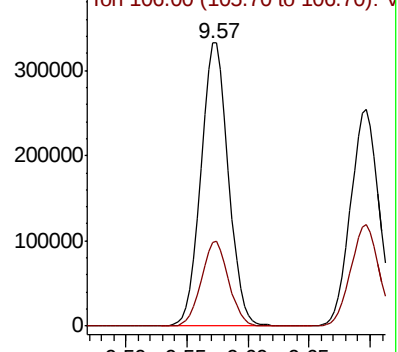
Ion Ratio Lower Upper

91 100

106 29.6 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VU040539.D (-2467) (-)



#53

m,p-Xylene

Concen: 50.466 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU040539.D

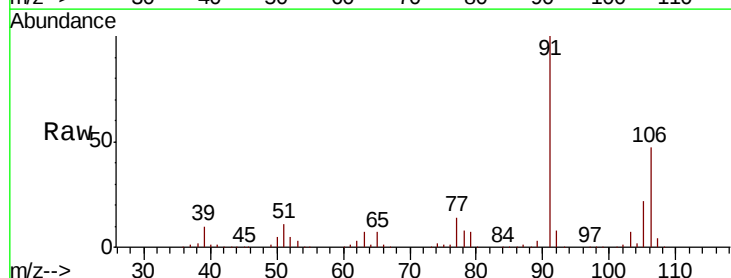
Acq: 06 Oct 2020 20:28

Tgt Ion: 106 Resp: 194104

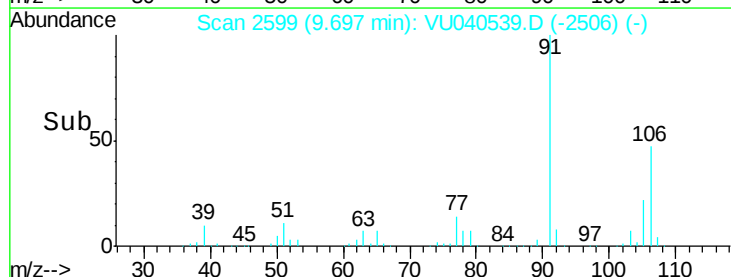
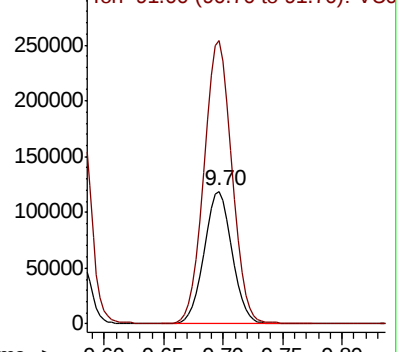
Ion Ratio Lower Upper

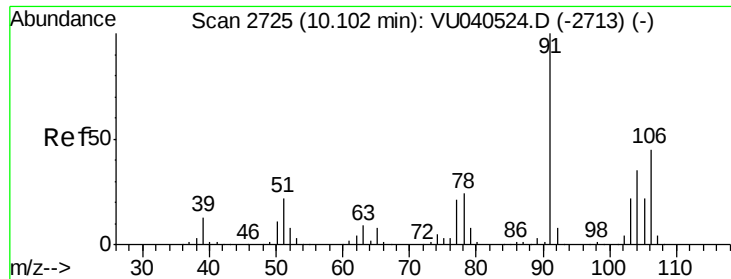
106 100

91 213.3 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): VU040539.D (-2506) (-)





#54

o-xylene

Concen: 51.406 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU040539.D

Acq: 06 Oct 2020 20:28

Instrument :

MSVOA_U

ClientSampleId :

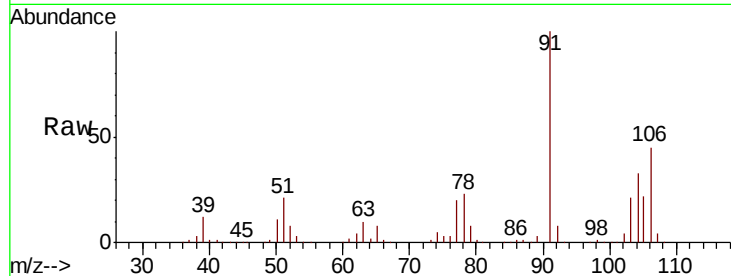
VSTD050209

Tot Ion:106 Resp: 188112

Ion Ratio Lower Upper

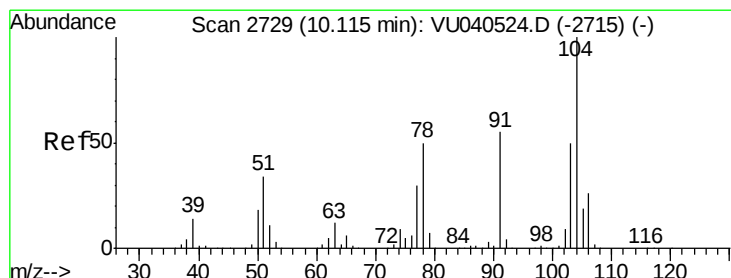
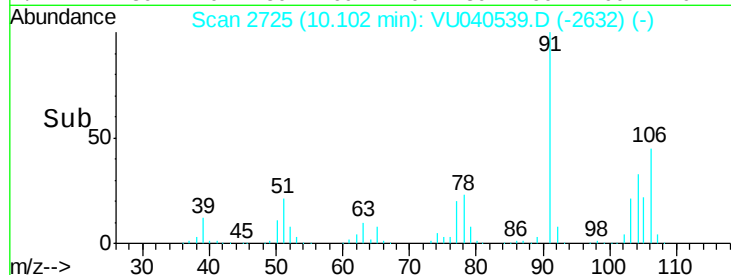
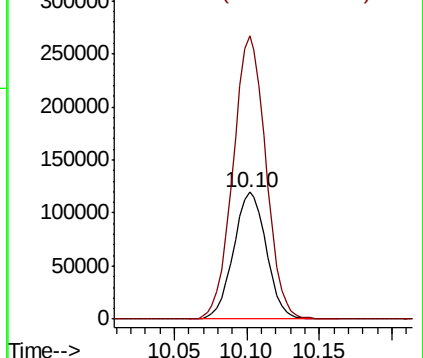
106 100

91 223.5 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.507 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU040539.D

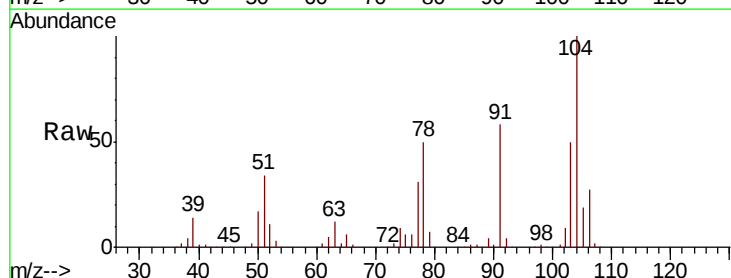
Acq: 06 Oct 2020 20:28

Tgt Ion:104 Resp: 331990

Ion Ratio Lower Upper

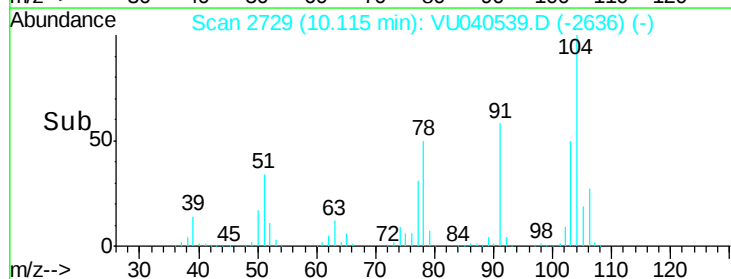
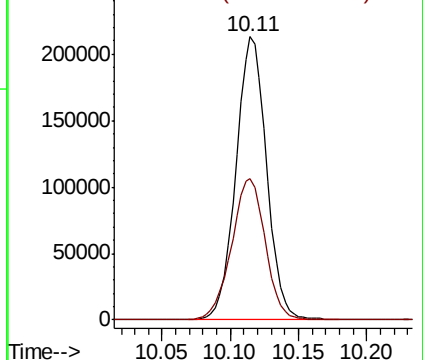
104 100

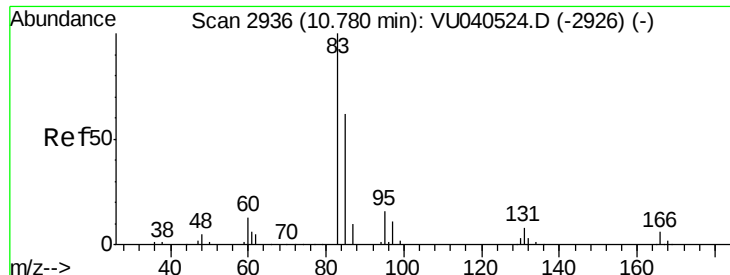
78 49.8 35.2 65.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

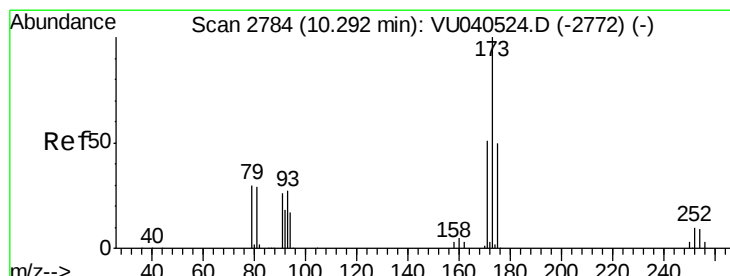
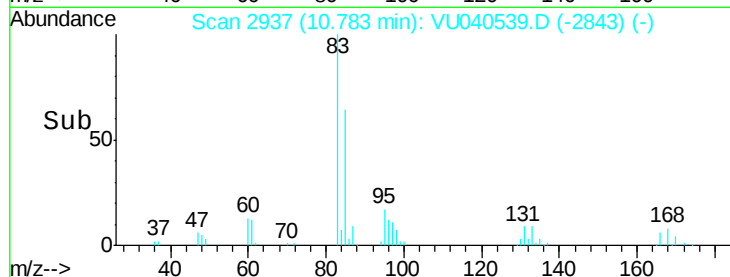
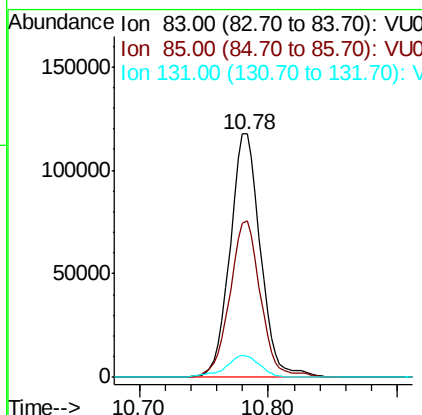
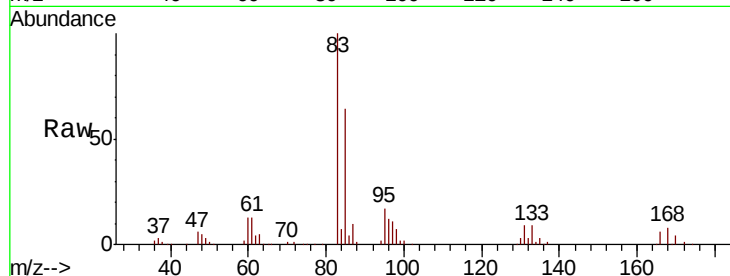




#57
 1,1,2,2-Tetrachloroethane
 Concen: 48.032 ug/L
 RT: 10.78 min Scan# 2937
 Delta R.T. 0.00 min
 Lab File: VU040539.D
 Acq: 06 Oct 2020 20:28

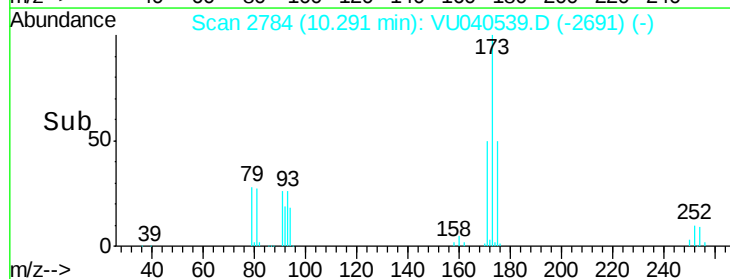
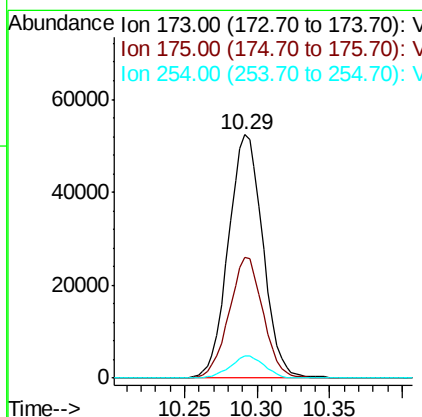
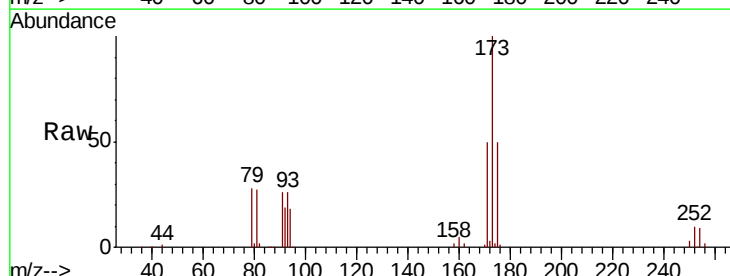
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050209

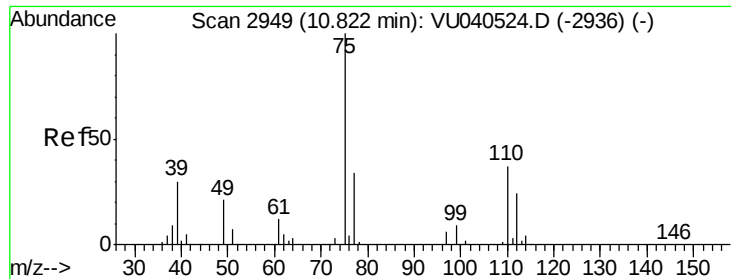
Tot Ion	83	Resp	192590
Ion Ratio	Lower	Upper	
83	100		
85	64.2	44.2	82.2
131	8.8	7.1	10.7



#59
 Bromoform
 Concen: 47.452 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU040539.D
 Acq: 06 Oct 2020 20:28

Tgt Ion	173	Resp	86387
Ion Ratio	Lower	Upper	
173	100		
175	48.9	38.5	57.7
254	9.0	7.0	10.6

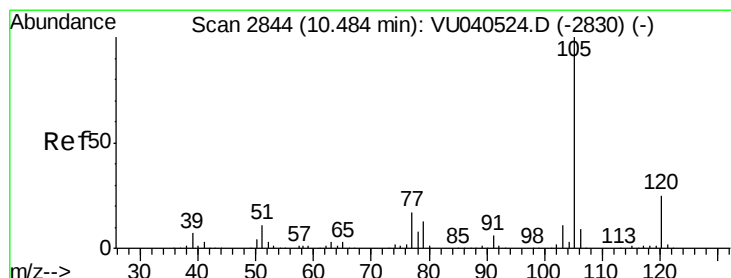
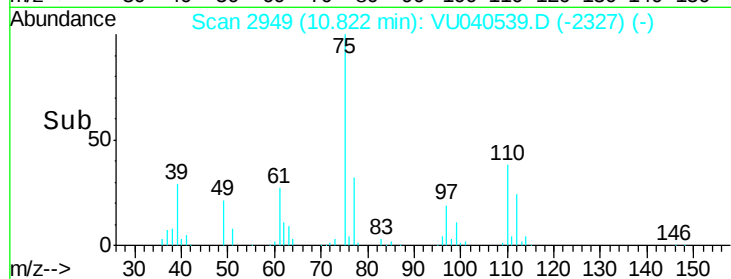
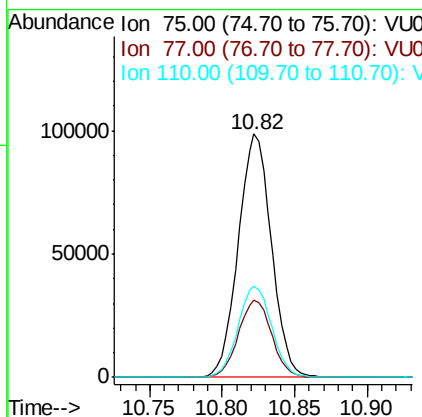
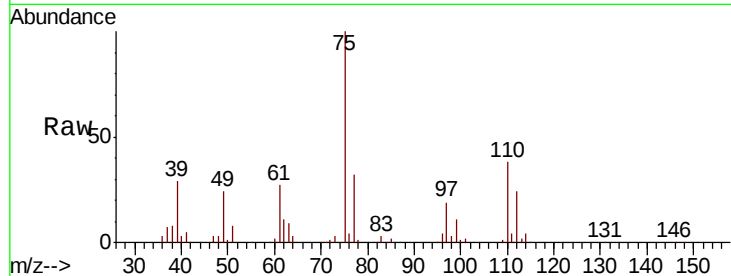




#60
1,2,3-Trichloropropane
Concen: 46.607 ug/L
RT: 10.82 min Scan# 2949
Delta R.T. -0.00 min
Lab File: VU040539.D
Acq: 06 Oct 2020 20:28

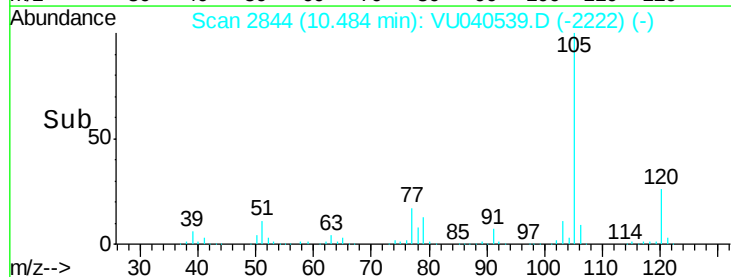
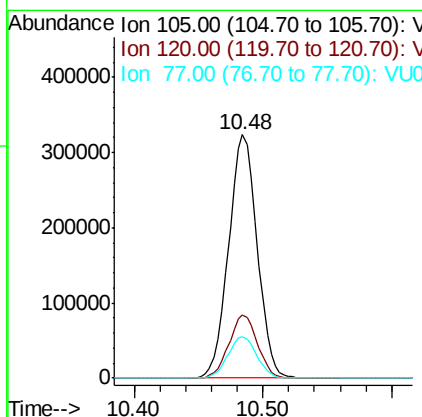
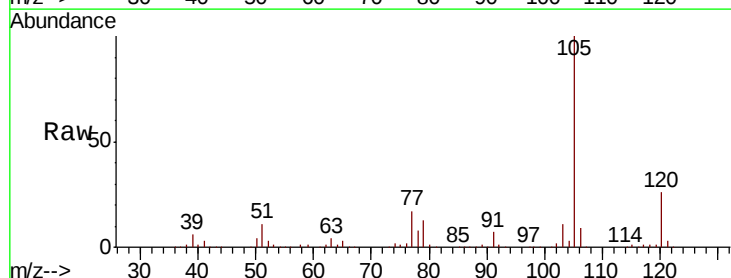
Instrument :
MSVOA_U
ClientSampleId :
VSTD050209

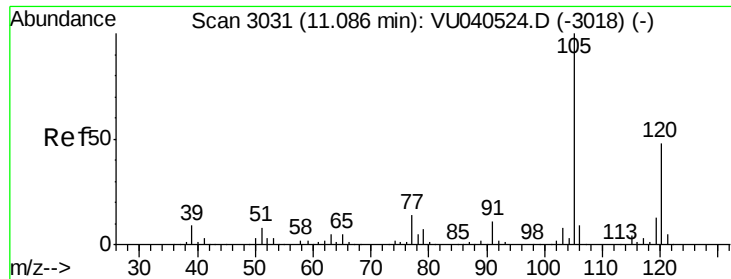
Tot Ion: 75 Resp: 157246
Ion Ratio Lower Upper
75 100
77 31.8 26.4 39.6
110 37.9 30.1 45.1



#61
Isopropylbenzene
Concen: 49.800 ug/L
RT: 10.48 min Scan# 2844
Delta R.T. -0.00 min
Lab File: VU040539.D
Acq: 06 Oct 2020 20:28

Tgt Ion: 105 Resp: 496742
Ion Ratio Lower Upper
105 100
120 25.8 20.7 31.1
77 17.3 13.8 20.8

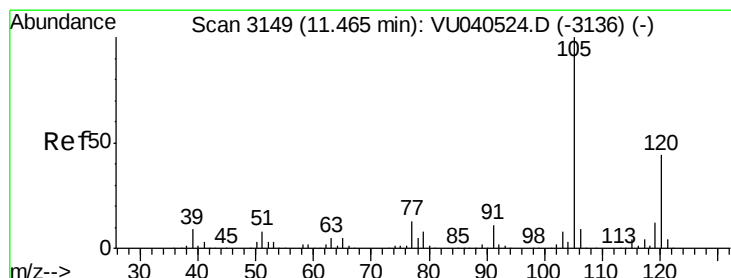
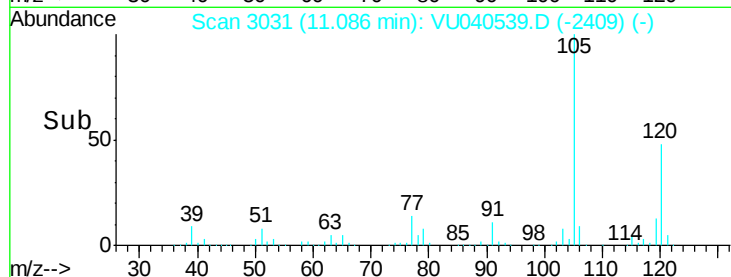
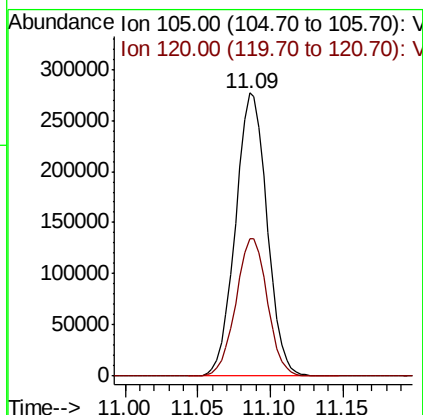
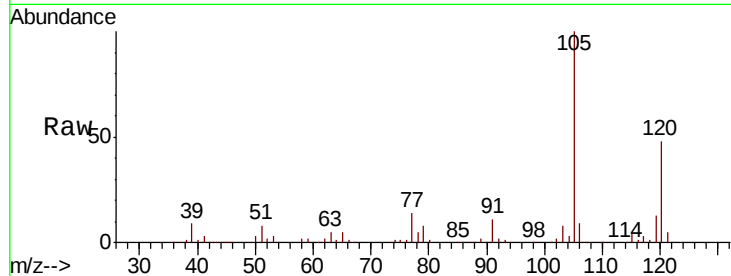




#62
 1,3,5-Trimethylbenzene
 Concen: 50.938 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. -0.00 min
 Lab File: VU040539.D
 Acq: 06 Oct 2020 20:28

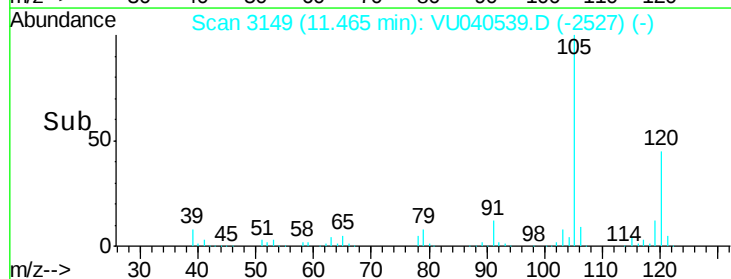
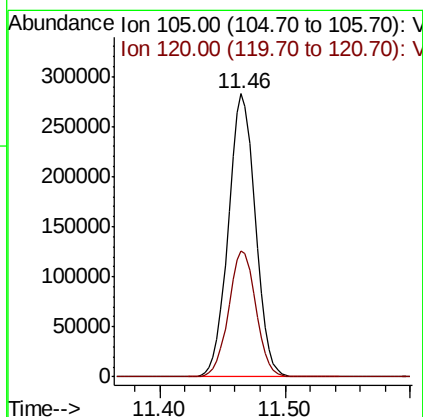
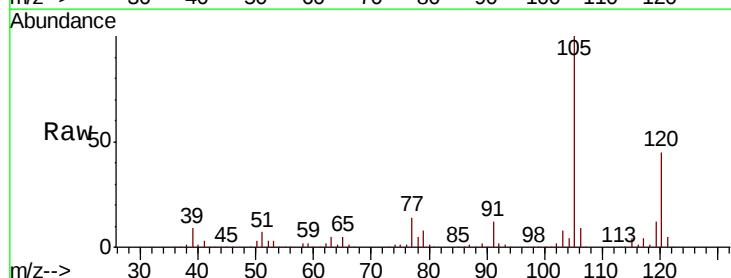
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050209

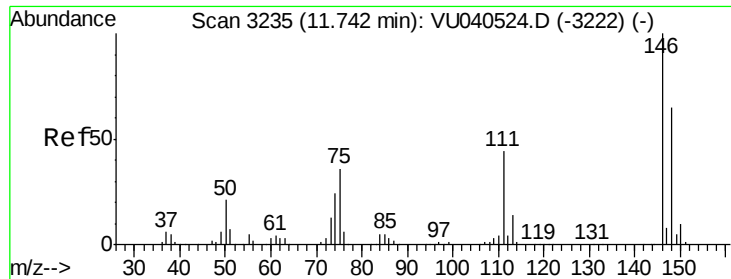
Tot Ion:105 Resp: 417457
 Ion Ratio Lower Upper
 105 100
 120 48.5 38.6 58.0



#63
 1,2,4-Trimethylbenzene
 Concen: 50.685 ug/L
 RT: 11.46 min Scan# 3149
 Delta R.T. -0.00 min
 Lab File: VU040539.D
 Acq: 06 Oct 2020 20:28

Tgt Ion:105 Resp: 421281
 Ion Ratio Lower Upper
 105 100
 120 45.0 35.7 53.5

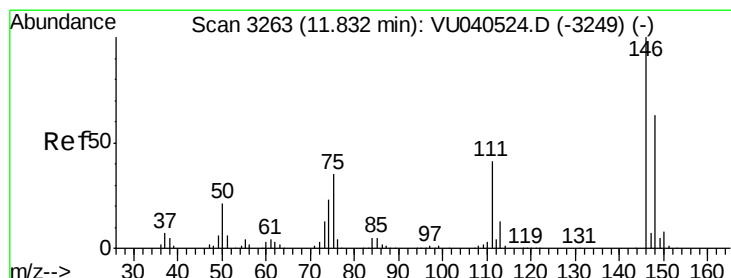
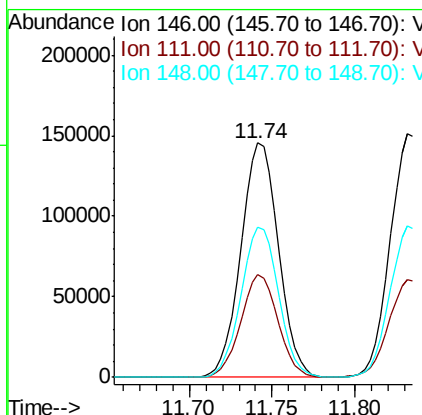
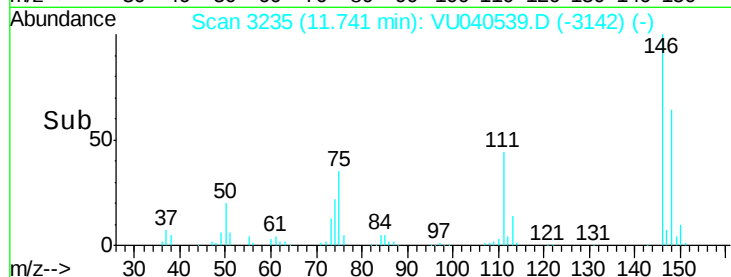
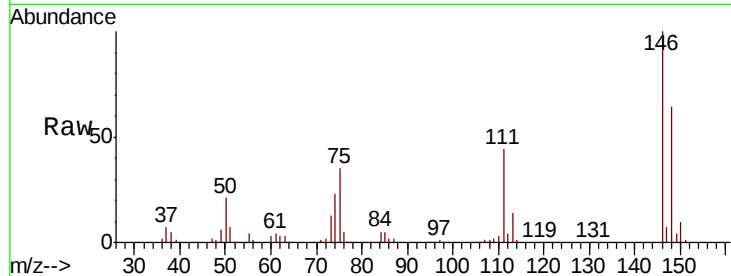




#64
 1,3-Dichlorobenzene
 Concen: 47.283 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040539.D
 Acq: 06 Oct 2020 20:28

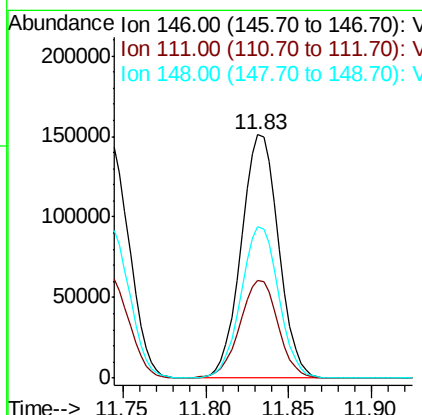
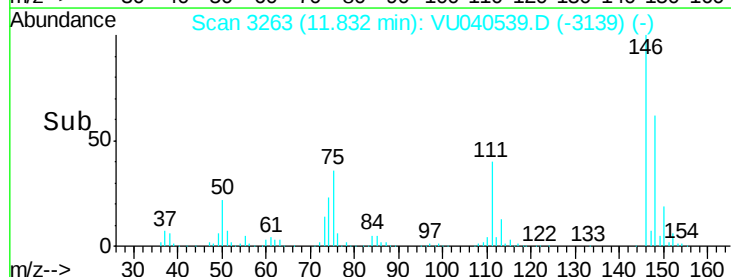
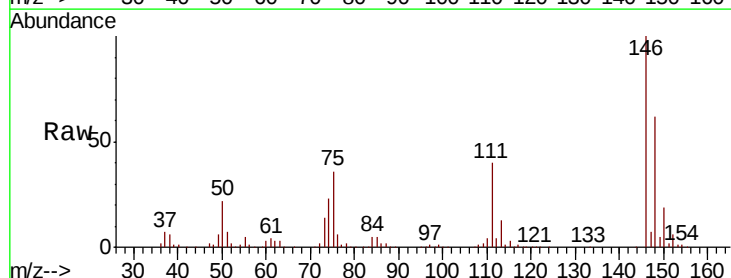
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050209

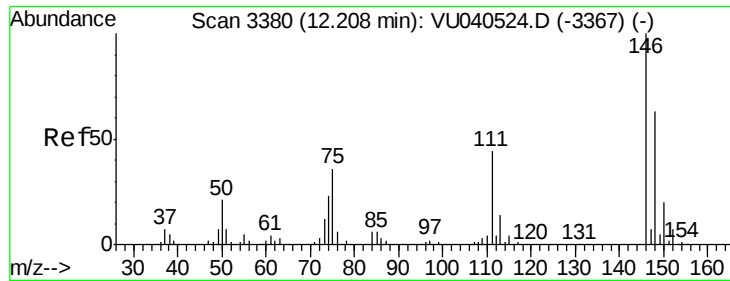
Tot Ion:146 Resp: 229973
 Ion Ratio Lower Upper
 146 100
 111 43.9 30.8 57.2
 148 64.0 45.4 84.2



#65
 1,4-Dichlorobenzene
 Concen: 46.301 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040539.D
 Acq: 06 Oct 2020 20:28

Tgt Ion:146 Resp: 236521
 Ion Ratio Lower Upper
 146 100
 111 40.2 28.7 53.3
 148 62.1 44.1 81.9

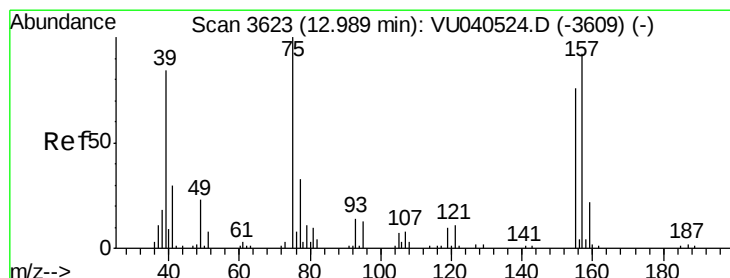
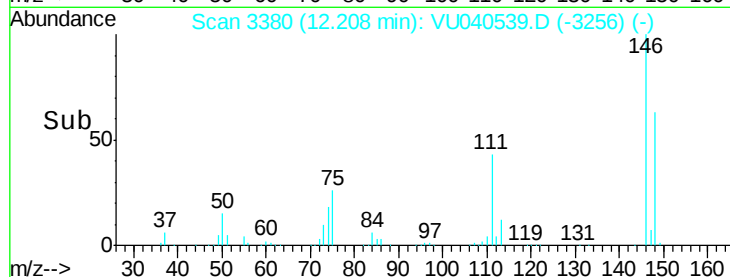
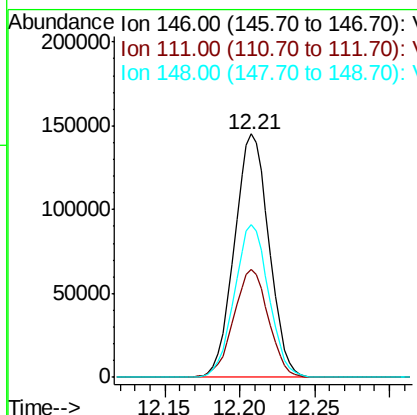
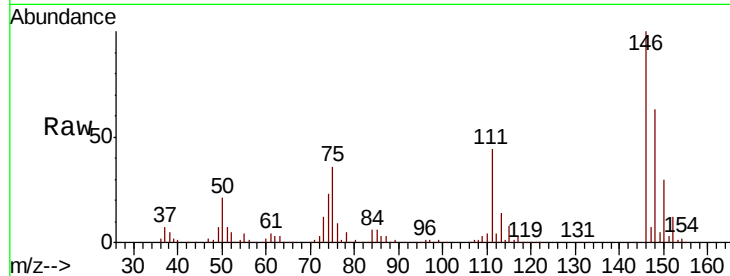




#67
 1,2-Dichlorobenzene
 Concen: 47.835 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU040539.D
 Acq: 06 Oct 2020 20:28

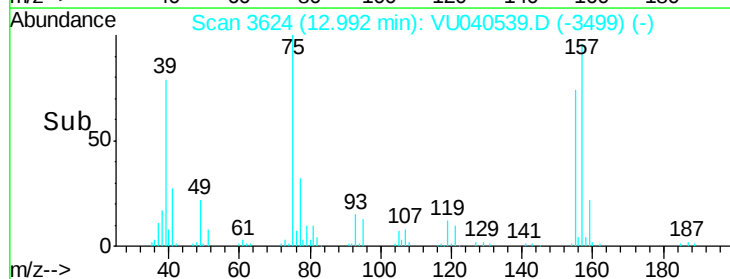
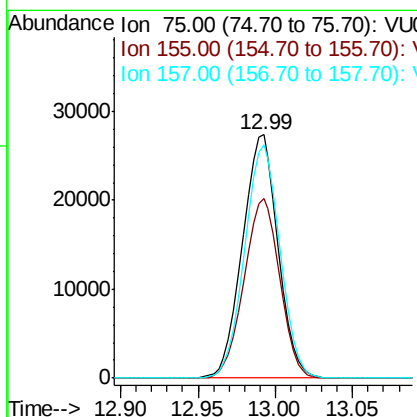
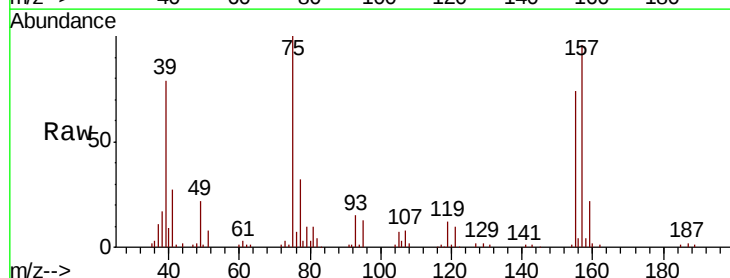
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050209

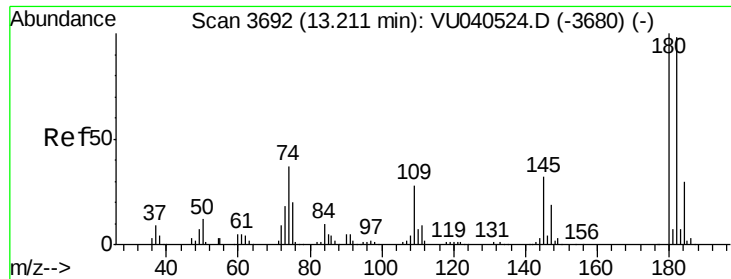
Tot Ion:146 Resp: 233070
 Ion Ratio Lower Upper
 146 100
 111 44.3 35.7 53.5
 148 63.0 50.6 75.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 46.161 ug/L
 RT: 12.99 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VU040539.D
 Acq: 06 Oct 2020 20:28

Tgt Ion: 75 Resp: 43757
 Ion Ratio Lower Upper
 75 100
 155 73.9 61.0 91.6
 157 95.9 73.5 110.3

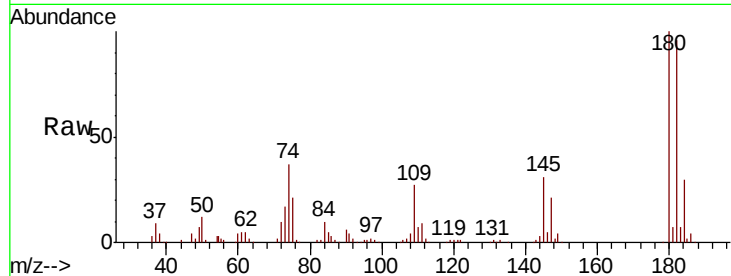




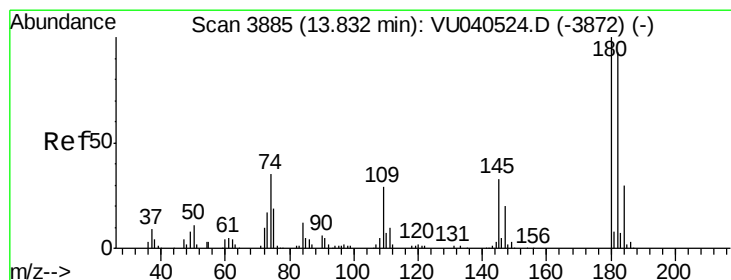
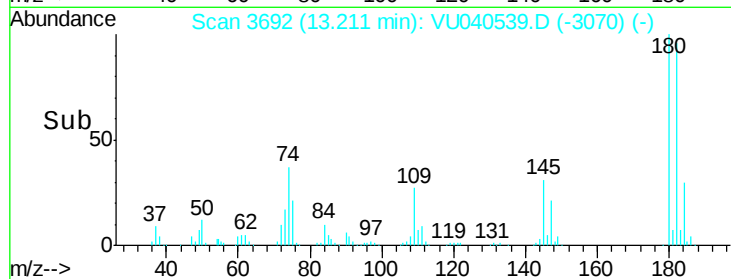
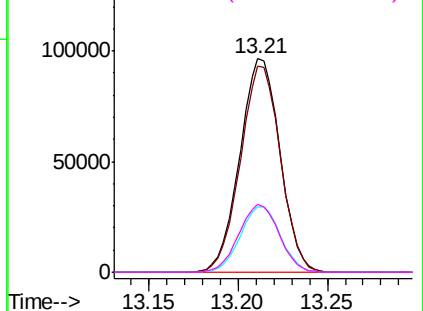
#69
 1,3,5-Trichlorobenzene
 Concen: 47.568 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU040539.D
 Acq: 06 Oct 2020 20:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050209

Tot Ion:180	Resp:	151589
Ion	Ratio	Lower Upper
180	100	
182	96.2	76.9 115.3
184	30.7	24.2 36.2
145	31.6	25.4 38.2

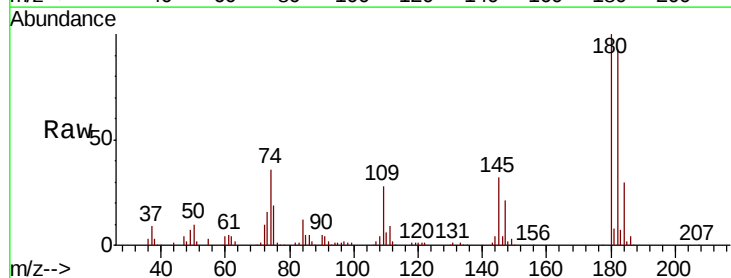


Abundance Ion 180.00 (179.70 to 180.70): V
 150000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

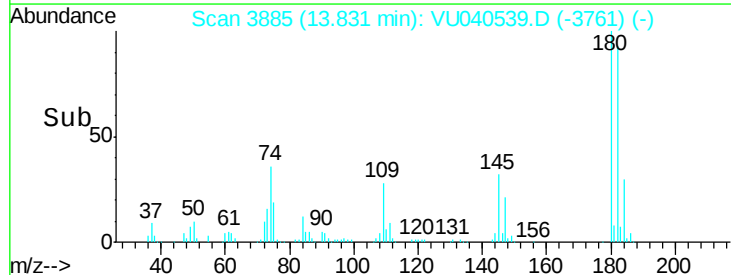
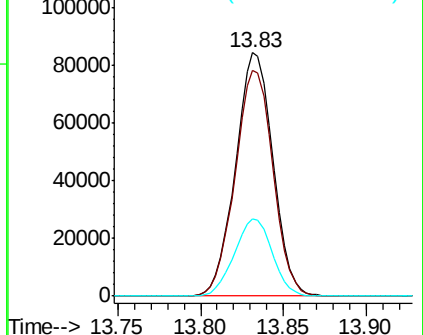


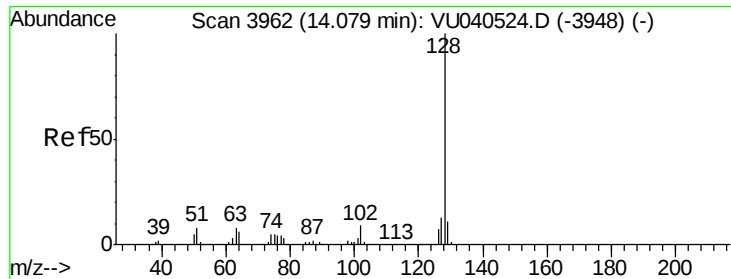
#70
 1,2,4-trichlorobenzene
 Concen: 47.880 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU040539.D
 Acq: 06 Oct 2020 20:28

Tgt Ion:180	Resp:	132248
Ion	Ratio	Lower Upper
180	100	
182	94.0	75.0 112.6
145	32.1	25.9 38.9



Abundance Ion 180.00 (179.70 to 180.70): V
 100000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

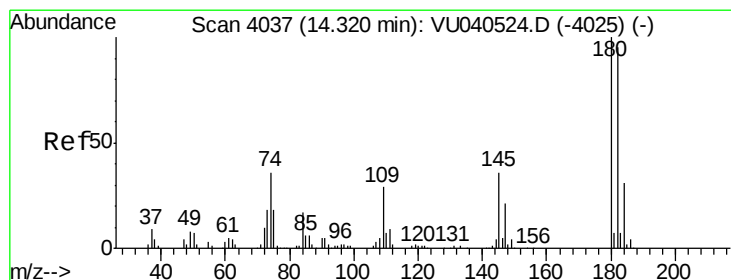
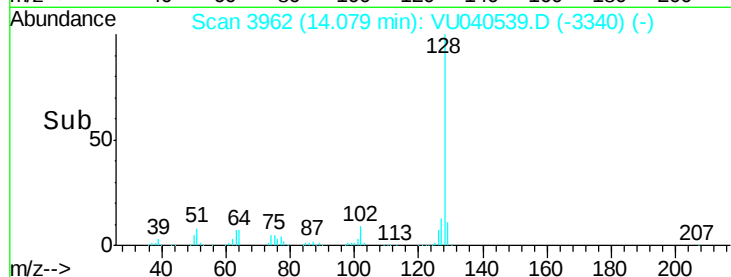
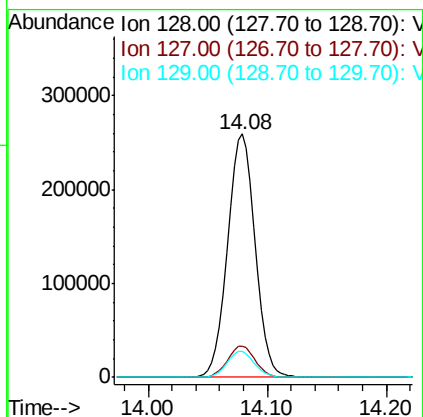
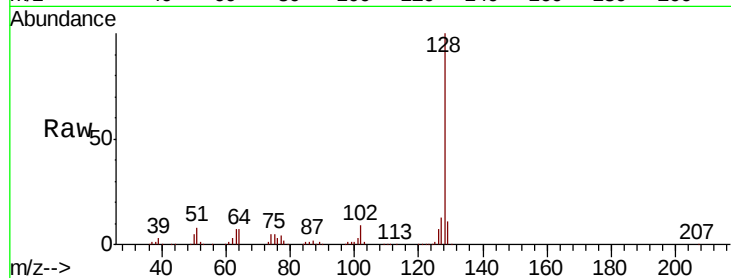




#71
Naphthalene
Concen: 48.707 ug/L
RT: 14.08 min Scan# 3962
Delta R.T. -0.00 min
Lab File: VU040539.D
Acq: 06 Oct 2020 20:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD050209

Tot Ion:128 Resp: 415840
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.7 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 48.830 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. -0.00 min
Lab File: VU040539.D
Acq: 06 Oct 2020 20:28

Tgt Ion:180 Resp: 133875
Ion Ratio Lower Upper
180 100
182 94.9 77.7 116.5
145 33.8 28.4 42.6

