

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100620\
 Data File : VU040526.D
 Acq On : 06 Oct 2020 14:19
 Operator : SY/MD
 Sample : VSTD20036
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200206

Quant Time: Oct 07 07:38:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 07:29:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	286734	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	285750	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	151650	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	500388	205.79	ug/L	0.00
7) Chloroethane-d5	1.91	69	378760	206.95	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.57	63	954278	204.17	ug/L	0.00
21) 2-Butanone-d5	4.64	46	828973	413.69	ug/L	0.00
24) Chloroform-d	5.08	84	858409	199.80	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	580998	191.98	ug/L	0.00
32) Benzene-d6	5.74	84	1659451	203.52	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	544045	197.12	ug/L	0.00
41) Toluene-d8	7.91	98	1528437	208.54	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	294241	210.37	ug/L	0.00
47) 2-Hexanone-d5	8.64	63	611450	497.56	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.76	84	806742	207.43	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	603534	204.35	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.38	85	531305	244.835	ug/L	99
3) Chloromethane	1.52	50	538196	212.485	ug/L	100
5) Vinyl chloride	1.61	62	560417	221.450	ug/L	98
6) Bromomethane	1.84	94	298003	222.817	ug/L	99
8) Chloroethane	1.93	64	332590	206.273	ug/L	99
9) Trichlorofluoromethane	2.14	101	707735	204.787	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	420384	193.179	ug/L	99
12) 1,1-Dichloroethene	2.59	96	405889	200.358	ug/L	97
13) Acetone	2.63	43	712594	343.840	ug/L	99
14) Carbon disulfide	2.80	76	1348301	206.540	ug/L	100
15) Methyl Acetate	2.96	43	601479	190.066	ug/L	99
16) Methylene chloride	3.06	84	457239	191.327	ug/L	96
17) trans-1,2-Dichloroethene	3.37	96	422135	201.512	ug/L	98
18) Methyl tert-butyl Ether	3.38	73	1417129	207.107	ug/L	100
19) 1,1-Dichloroethane	3.89	63	829055	189.967	ug/L	99
20) cis-1,2-Dichloroethene	4.68	96	463615	202.119	ug/L	96
22) 2-Butanone	4.72	43	940935	379.924	ug/L	100
23) Bromochloromethane	4.99	128	237926	198.260	ug/L	98
25) Chloroform	5.11	83	824162	186.836	ug/L	100
27) 1,2-Dichloroethane	5.81	62	693155	185.268	ug/L	99
29) Cyclohexane	5.40	56	800737	205.999	ug/L	99
30) 1,1,1-Trichloroethane	5.33	97	716194	194.319	ug/L	99
31) Carbon tetrachloride	5.54	117	628917	196.279	ug/L	98
33) Benzene	5.79	78	1801753	193.675	ug/L	100
34) Trichloroethene	6.56	95	458063	192.184	ug/L	99
35) Methylcyclohexane	6.77	83	755075	207.111	ug/L	98
37) 1,2-Dichloropropane	6.80	63	488374	186.964	ug/L	99
38) Bromodichloromethane	7.11	83	638105	192.401	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	797321	212.119	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	1711798	410.170	ug/L	99

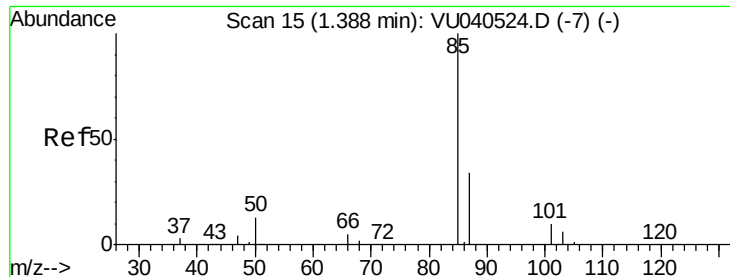
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100620\
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 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 07:29:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	1886006	200.331	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	788454	206.805	ug/L	99
45) 1,1,2-Trichloroethane	8.41	97	437815	191.686	ug/L	97
46) Tetrachloroethene	8.56	164	339123	202.298	ug/L	98
48) 2-Hexanone	8.69	43	1376174	411.612	ug/L	99
49) Dibromochloromethane	8.82	129	507147	203.634	ug/L	99
50) 1,2-Dibromoethane	8.93	107	486755	199.919	ug/L	97
51) Chlorobenzene	9.45	112	1211868	194.352	ug/L	100
52) Ethylbenzene	9.57	91	2173053	207.472	ug/L	100
53) m,p-Xylene	9.70	106	806407	211.707	ug/L	97
54) o-xylene	10.10	106	785210	210.910	ug/L	100
55) Styrene	10.11	104	1376054	215.169	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.78	83	806986	201.331	ug/L	98
59) Bromoform	10.29	173	384774	209.785	ug/L	100
60) 1,2,3-Trichloropropane	10.82	75	665010	188.457	ug/L	99
61) Isopropylbenzene	10.48	105	2105864	203.440	ug/L	100
62) 1,3,5-Trimethylbenzene	11.09	105	1868393	220.408	ug/L	99
63) 1,2,4-Trimethylbenzene	11.46	105	1897090	221.544	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	987821	200.139	ug/L	98
65) 1,4-Dichlorobenzene	11.83	146	994438	194.082	ug/L	99
67) 1,2-Dichlorobenzene	12.21	146	965821	196.417	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.99	75	203460	206.205	ug/L	97
69) 1,3,5-Trichlorobenzene	13.21	180	670708	210.246	ug/L	100
70) 1,2,4-trichlorobenzene	13.83	180	613695	223.984	ug/L	99
71) Naphthalene	14.08	128	2045220	246.722	ug/L	100
72) 1,2,3-Trichlorobenzene	14.32	180	580399	218.189	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 244.835 ug/L

RT: 1.38 min Scan# 14

Delta R.T. -0.00 min

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Acq: 06 Oct 2020 14:19

Instrument :

MSVOA_U

ClientSampleId :

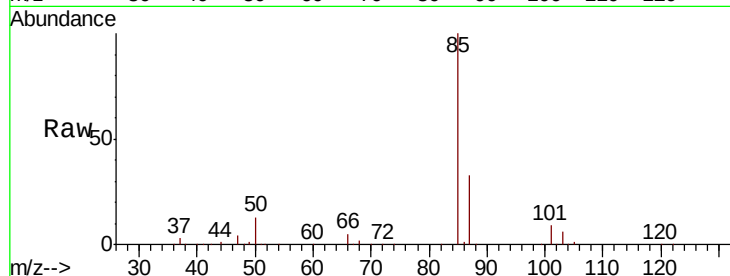
VSTD200206

Tot Ion: 85 Resp: 531305

Ion Ratio Lower Upper

85 100

87 32.8 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.38

500000

400000

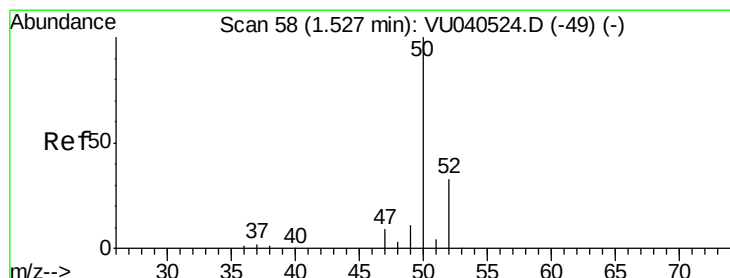
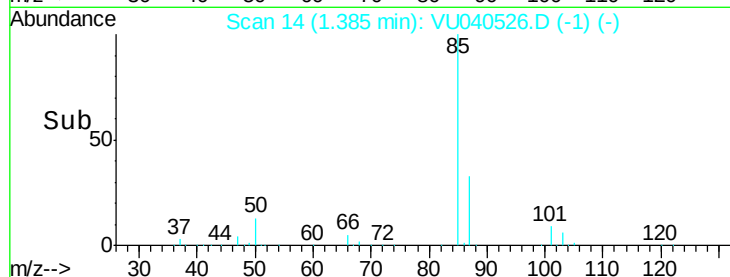
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 212.485 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040526.D

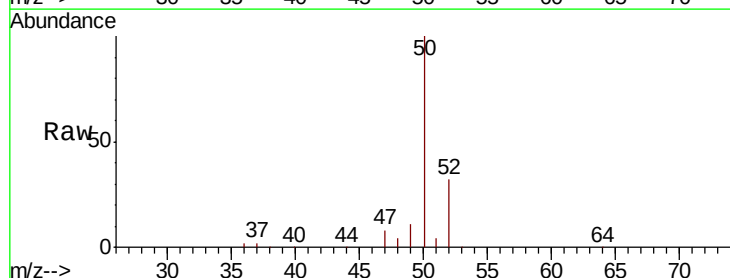
Acq: 06 Oct 2020 14:19

Tgt Ion: 50 Resp: 538196

Ion Ratio Lower Upper

50 100

52 32.4 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

1.52

500000

400000

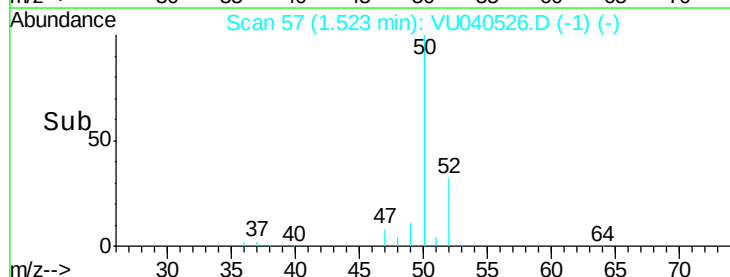
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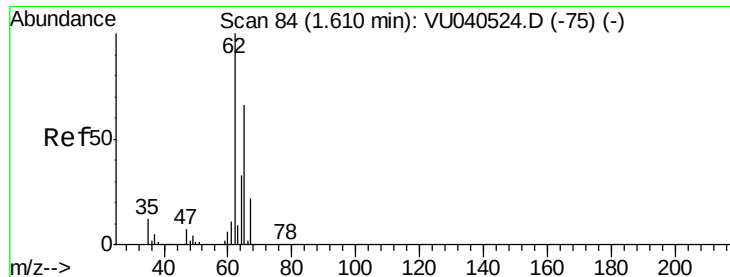
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 221.450 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040526.D

Acq: 06 Oct 2020 14:19

Instrument :

MSVOA_U

ClientSampleId :

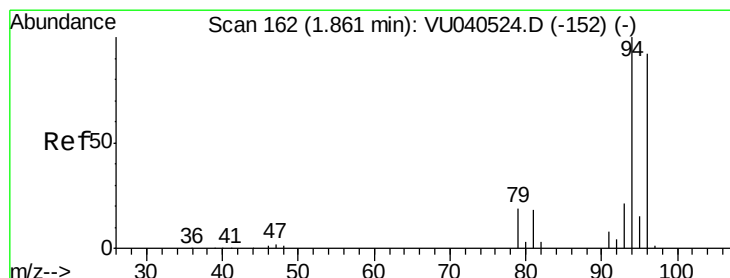
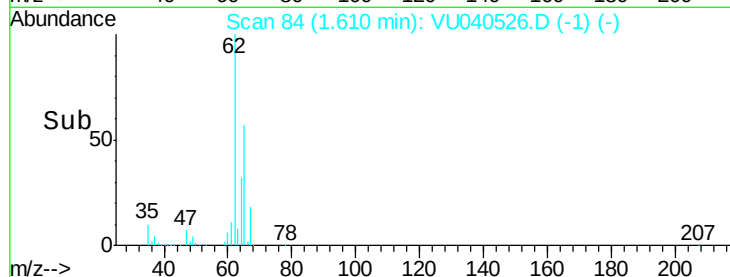
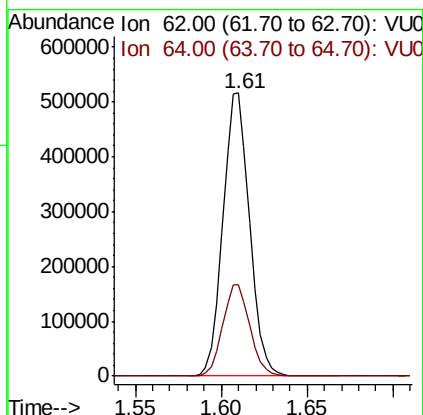
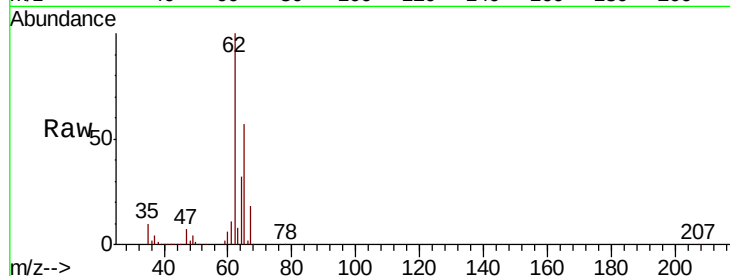
VSTD200206

Tot Ion: 62 Resp: 560417

Ion Ratio Lower Upper

62 100

64 32.4 23.4 43.6



#6

Bromomethane

Concen: 222.817 ug/L

RT: 1.84 min Scan# 156

Delta R.T. -0.02 min

Lab File: VU040526.D

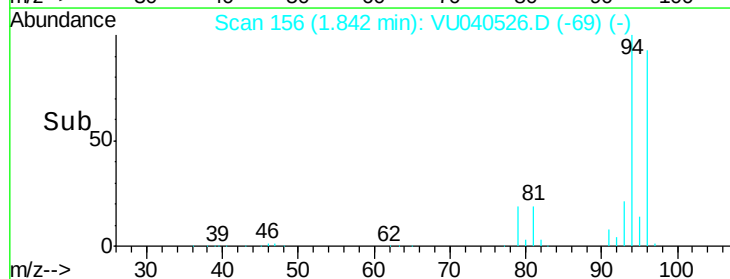
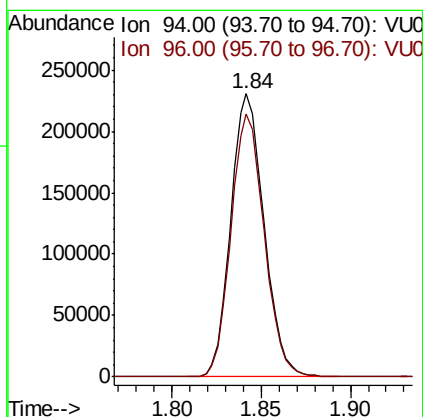
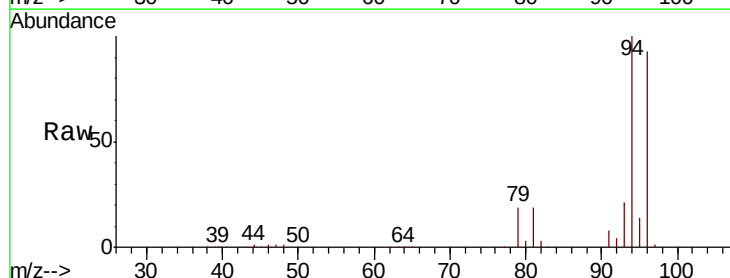
Acq: 06 Oct 2020 14:19

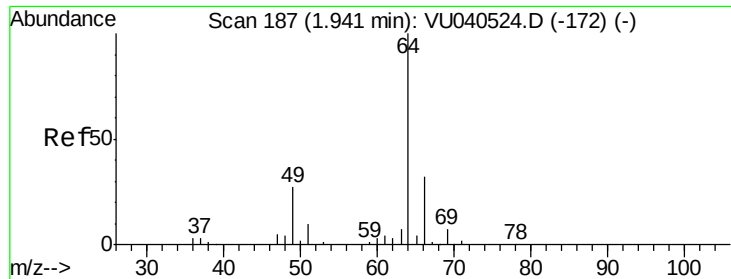
Tgt Ion: 94 Resp: 298003

Ion Ratio Lower Upper

94 100

96 92.7 64.4 119.6

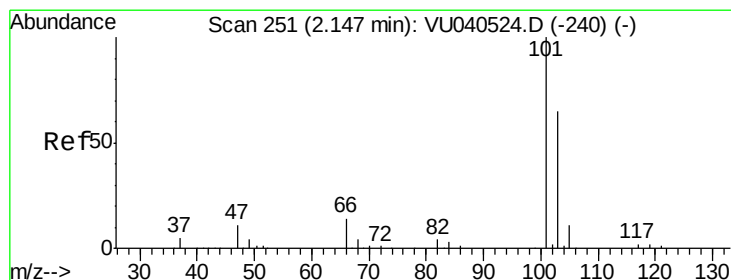
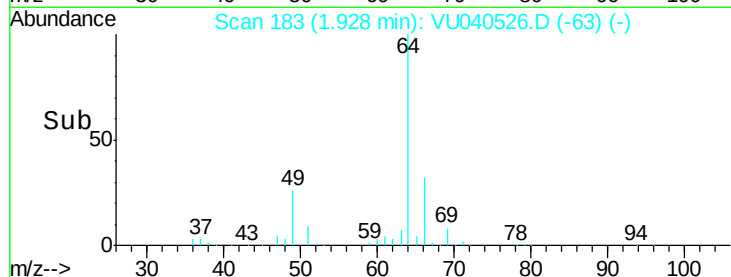
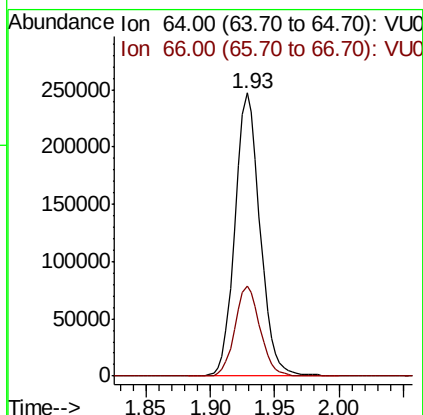
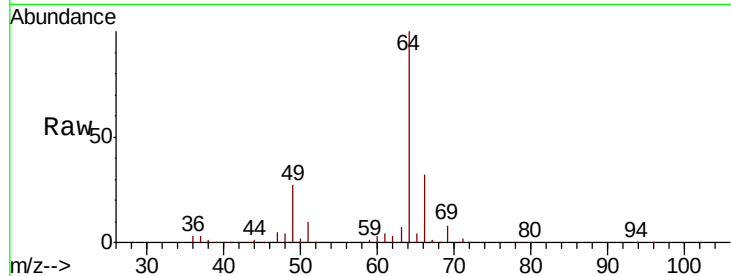




#8
Chloroethane
Concen: 206.273 ug/L
RT: 1.93 min Scan# 183
Delta R.T. -0.01 min
Lab File: VU040526.D
Acq: 06 Oct 2020 14:19

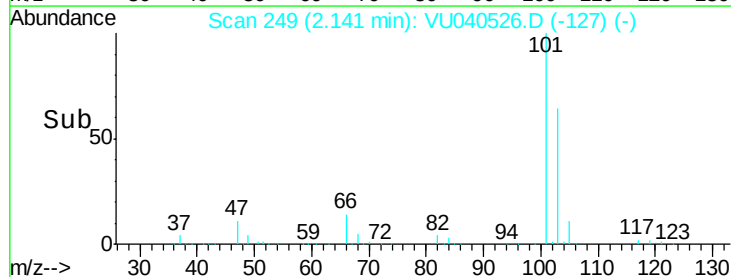
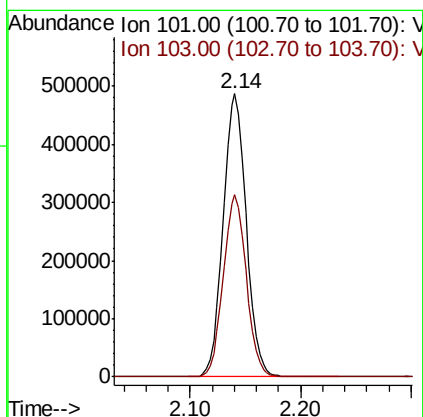
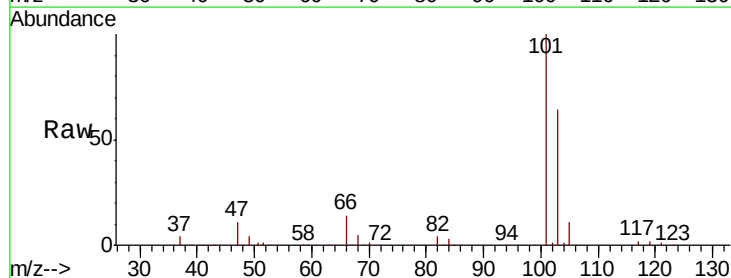
Instrument :
MSVOA_U
ClientSampleId :
VSTD200206

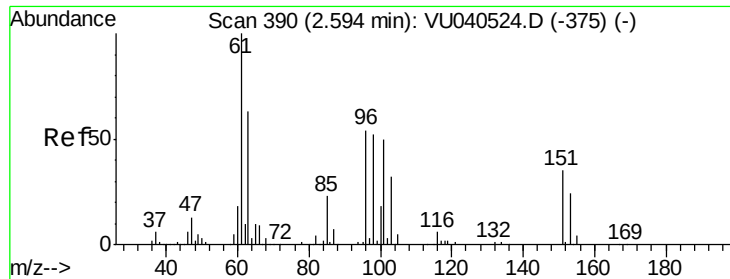
Tot Ion: 64 Resp: 332590
Ion Ratio Lower Upper
64 100
66 31.7 22.5 41.9



#9
Trichlorofluoromethane
Concen: 204.787 ug/L
RT: 2.14 min Scan# 249
Delta R.T. -0.01 min
Lab File: VU040526.D
Acq: 06 Oct 2020 14:19

Tgt Ion: 101 Resp: 707735
Ion Ratio Lower Upper
101 100
103 64.3 52.1 78.1





#10

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

Concen: 193.179 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU040526.D

Acq: 06 Oct 2020 14:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD200206

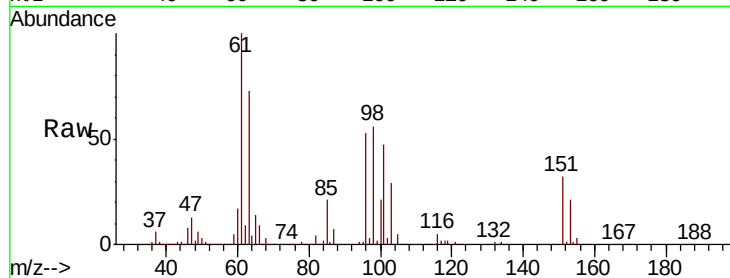
Tot Ion:101 Resp: 420384

Ion Ratio Lower Upper

101 100

85 44.4 35.4 53.2

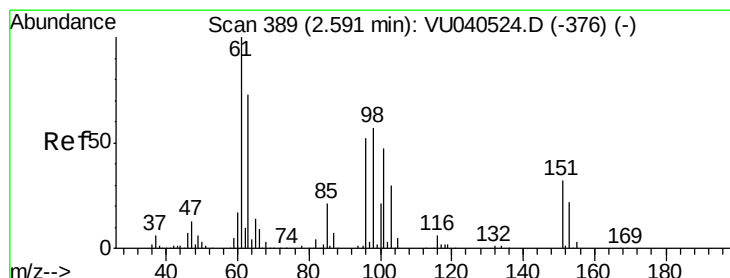
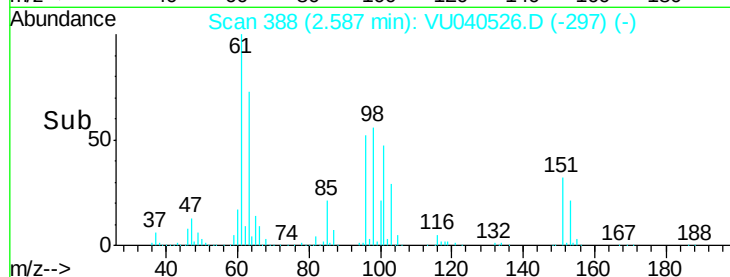
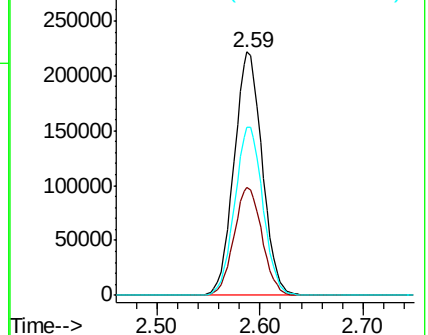
151 69.5 54.8 82.2



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: 200.358 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU040526.D

Acq: 06 Oct 2020 14:19

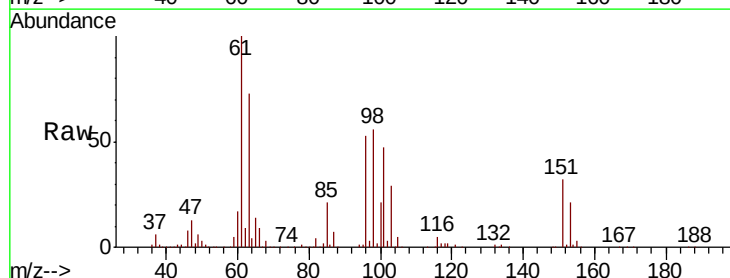
Tgt Ion: 96 Resp: 405889

Ion Ratio Lower Upper

96 100

61 190.5 135.0 250.8

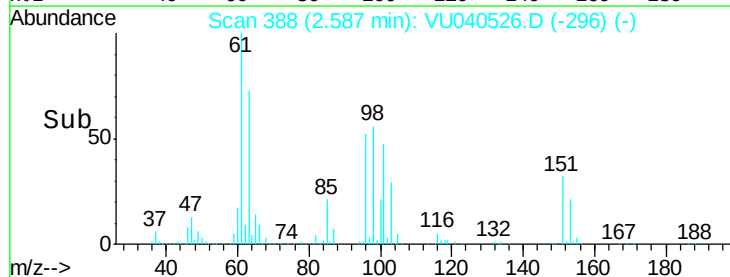
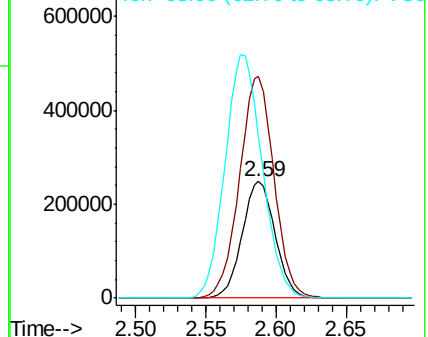
63 138.3 101.4 188.2

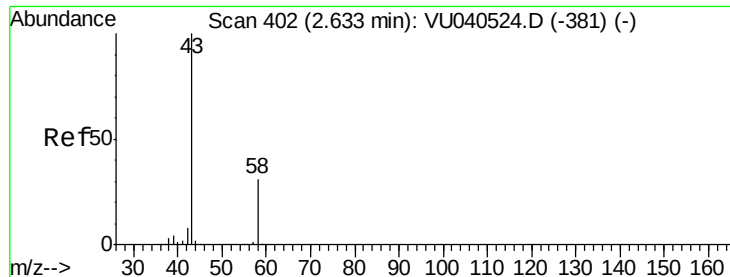


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 343.840 ug/L

RT: 2.63 min Scan# 402

Delta R.T. -0.00 min

Lab File: VU040526.D

Acq: 06 Oct 2020 14:19

Instrument :

MSVOA_U

ClientSampleId :

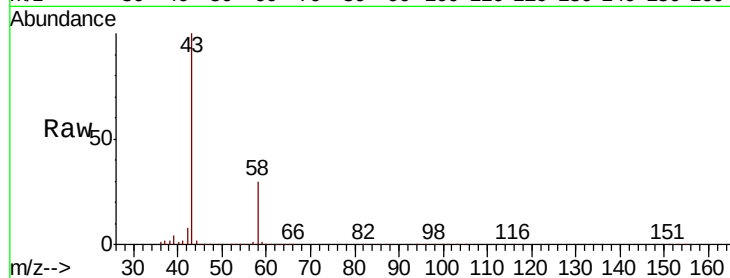
VSTD200206

Tot Ion: 43 Resp: 712594

Ion Ratio Lower Upper

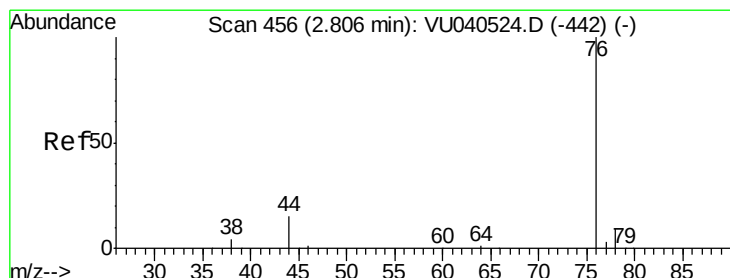
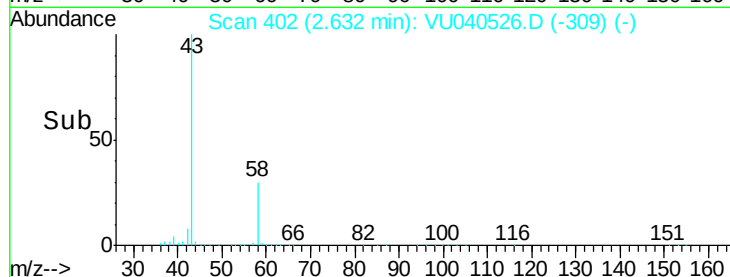
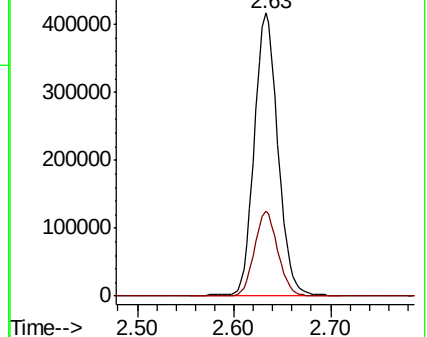
43 100

58 29.7 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VU040526.D (-309) (-)

Ion 58.00 (57.70 to 58.70): VU040526.D (-309) (-)



#14

Carbon disulfide

Concen: 206.540 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU040526.D

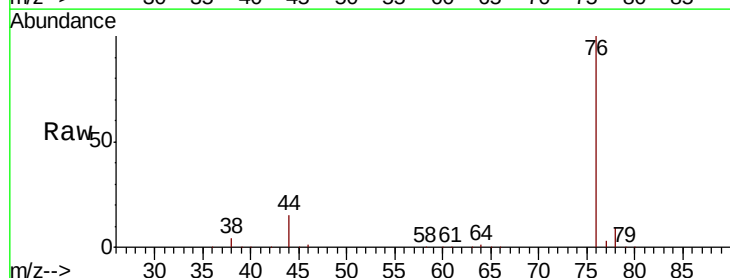
Acq: 06 Oct 2020 14:19

Tgt Ion: 76 Resp: 1348301

Ion Ratio Lower Upper

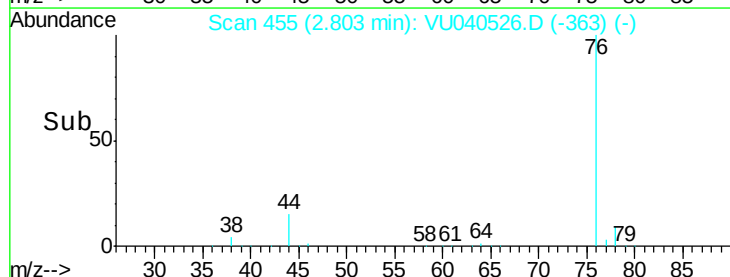
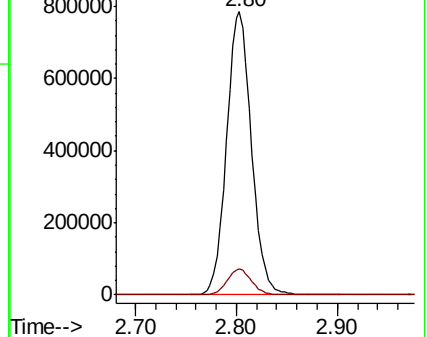
76 100

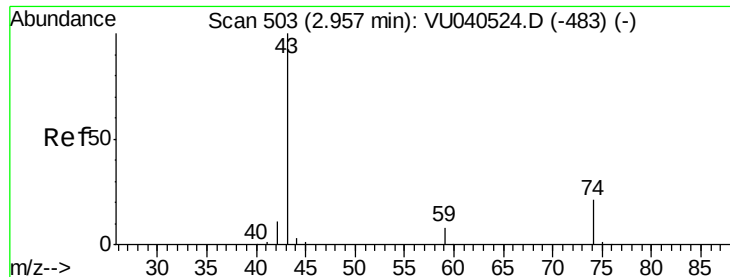
78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU040526.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040526.D (-363) (-)

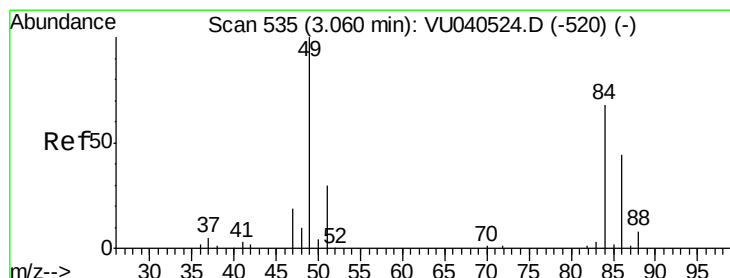
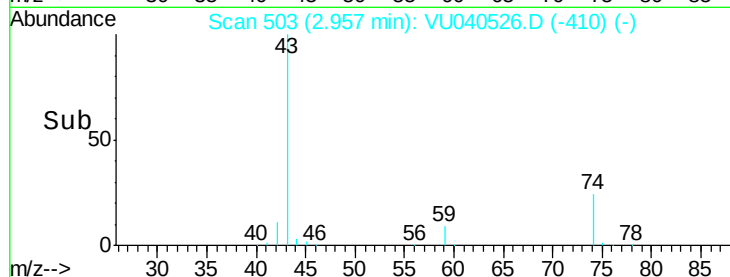
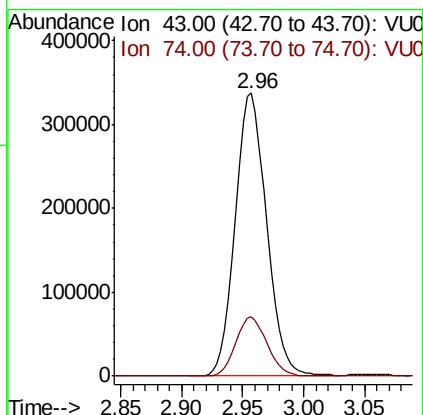
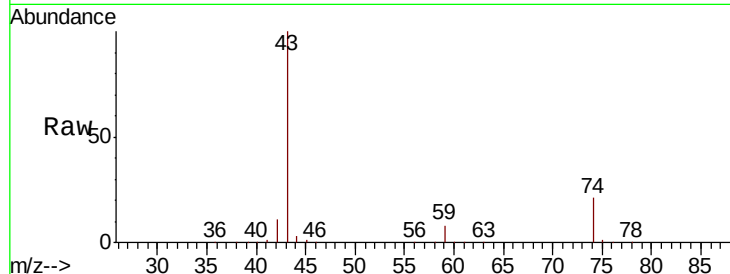




#15
Methvl Acetate
Concen: 190.066 ug/L
RT: 2.96 min Scan# 503
Delta R.T. -0.00 min
Lab File: VU040526.D
Acq: 06 Oct 2020 14:19

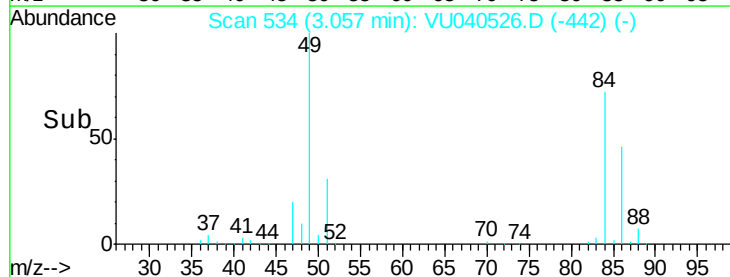
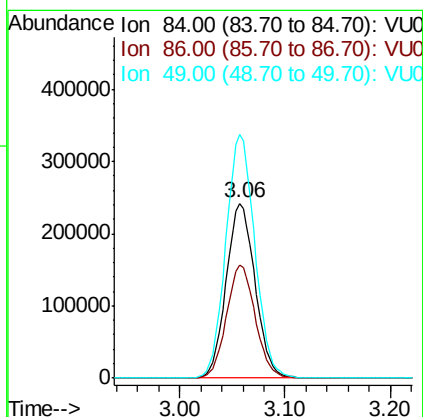
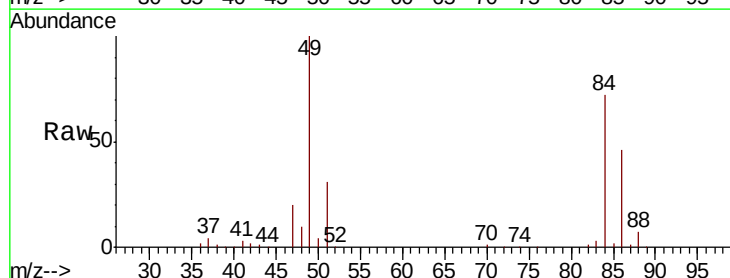
Instrument :
MSVOA_U
ClientSampleId :
VSTD200206

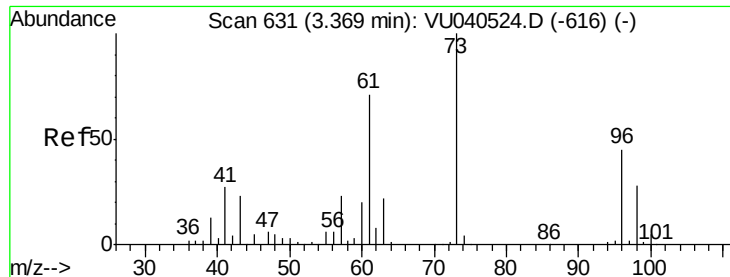
Tot Ion: 43 Resp: 601479
Ion Ratio Lower Upper
43 100
74 20.8 16.4 24.6



#16
Methylene chloride
Concen: 191.327 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU040526.D
Acq: 06 Oct 2020 14:19

Tgt Ion: 84 Resp: 457239
Ion Ratio Lower Upper
84 100
86 64.5 45.4 84.4
49 139.4 102.9 191.1





#17

trans-1,2-Dichloroethene

Concen: 201.512 ug/L

RT: 3.37 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU040526.D

Acq: 06 Oct 2020 14:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD200206

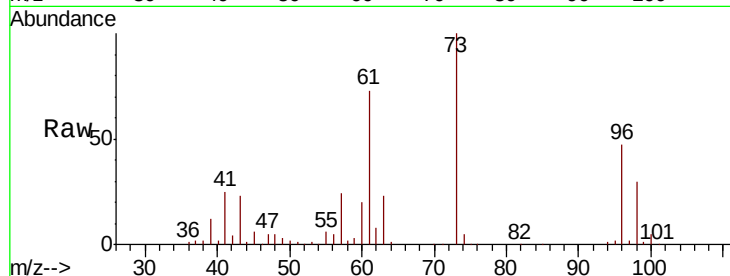
Tot Ion: 96 Resp: 422135

Ion Ratio Lower Upper

96 100

61 155.1 109.6 203.6

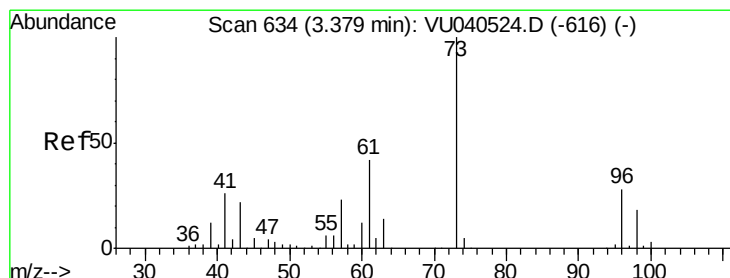
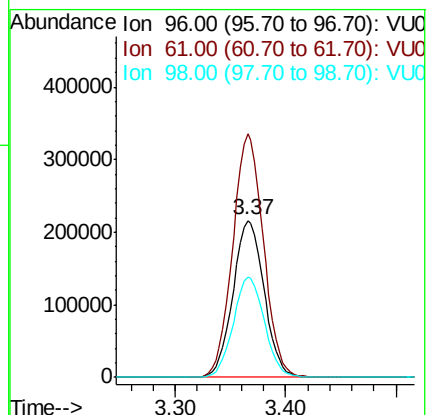
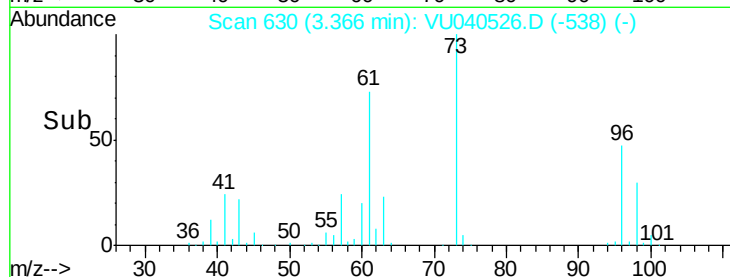
98 64.2 43.3 80.3



Abundance Ion 96.00 (95.70 to 96.70): VU040526.D (-538) (-)

Ion 61.00 (60.70 to 61.70): VU040526.D (-538) (-)

Ion 98.00 (97.70 to 98.70): VU040526.D (-538) (-)



#18

Methyl tert-butyl Ether

Concen: 207.107 ug/L

RT: 3.38 min Scan# 634

Delta R.T. -0.00 min

Lab File: VU040526.D

Acq: 06 Oct 2020 14:19

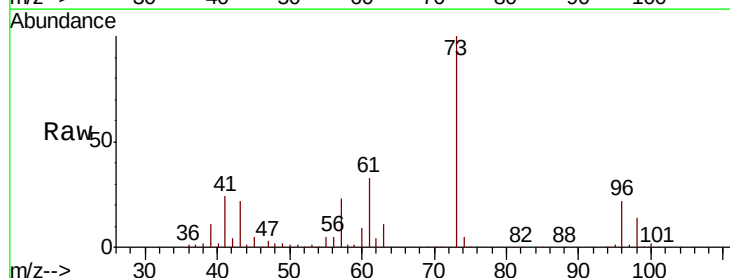
Tgt Ion: 73 Resp: 1417129

Ion Ratio Lower Upper

73 100

43 22.4 18.2 27.2

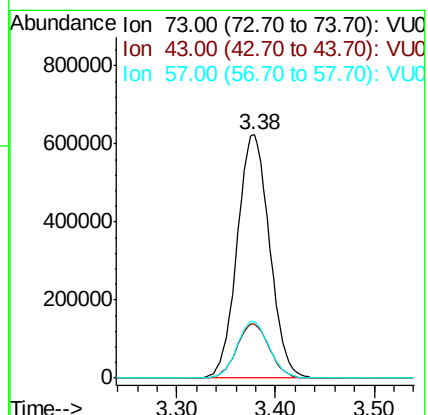
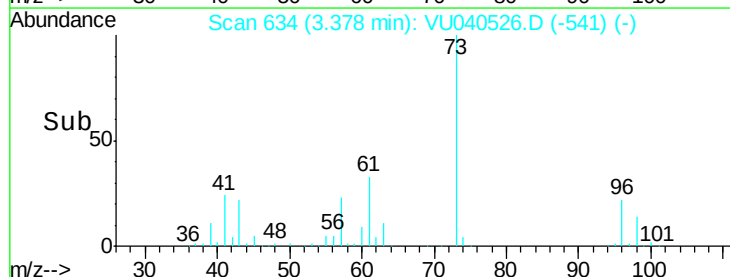
57 23.2 18.5 27.7

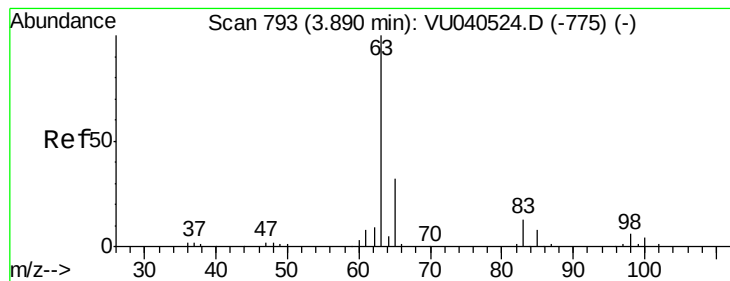


Abundance Ion 73.00 (72.70 to 73.70): VU040526.D (-541) (-)

Ion 43.00 (42.70 to 43.70): VU040526.D (-541) (-)

Ion 57.00 (56.70 to 57.70): VU040526.D (-541) (-)





#19

1,1-Dichloroethane

Concen: 189.967 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU040526.D

Acq: 06 Oct 2020 14:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD200206

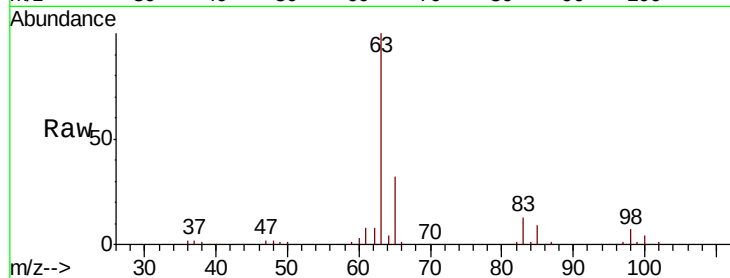
Tot Ion: 63 Resp: 829055

Ion Ratio Lower Upper

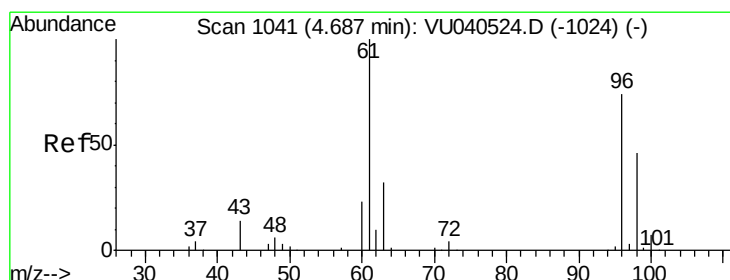
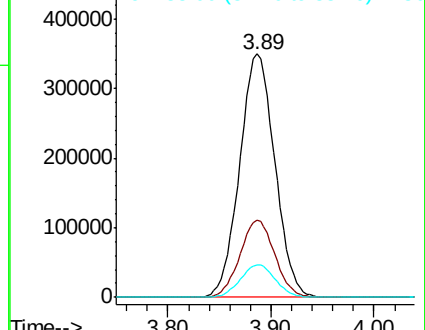
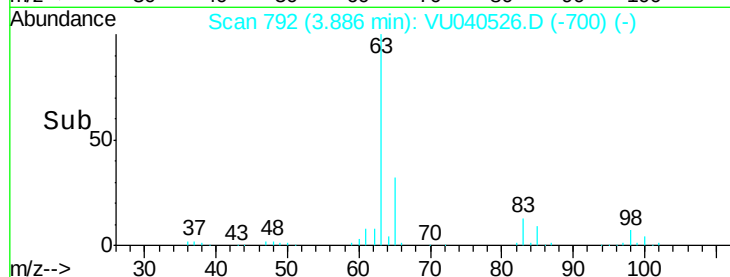
63 100

65 31.5 22.6 42.0

83 13.2 9.1 16.9



Abundance Ion 63.00 (62.70 to 63.70): VU040526.D (-700) (-)



#20

cis-1,2-Dichloroethene

Concen: 202.119 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040526.D

Acq: 06 Oct 2020 14:19

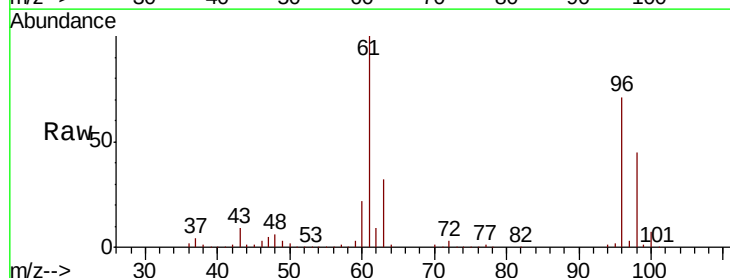
Tgt Ion: 96 Resp: 463615

Ion Ratio Lower Upper

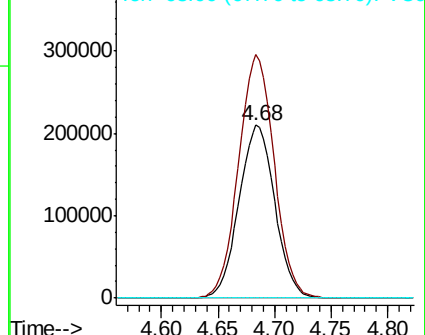
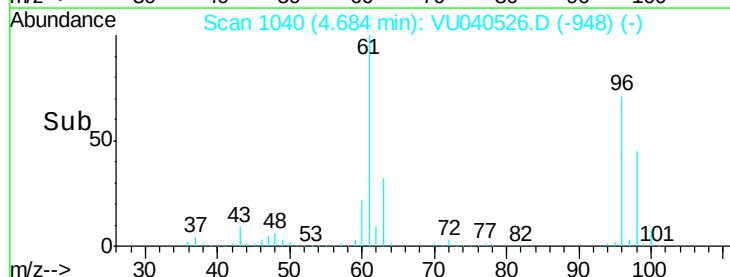
96 100

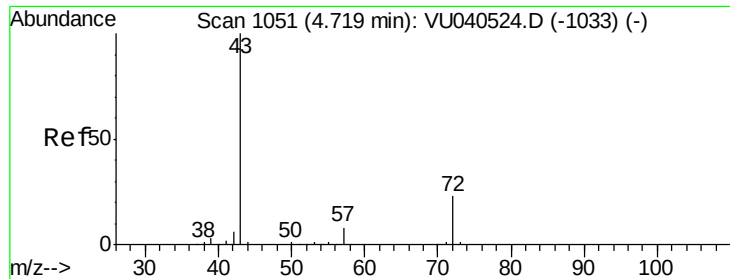
61 141.0 95.7 177.7

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040526.D (-948) (-)





#22

2-Butanone

Concen: 379.924 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU040526.D

Acq: 06 Oct 2020 14:19

Instrument :

MSVOA_U

ClientSampleId :

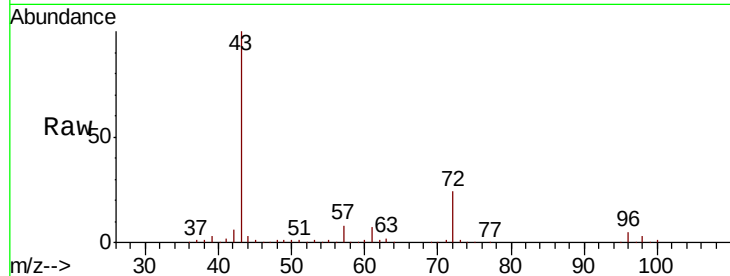
VSTD200206

Tot Ion: 43 Resp: 940935

Ion Ratio Lower Upper

43 100

72 24.1 11.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VU040526.D (-1033) (-)

Ion 72.00 (71.70 to 72.70): VU040526.D (-1033) (-)

4.72

500000

400000

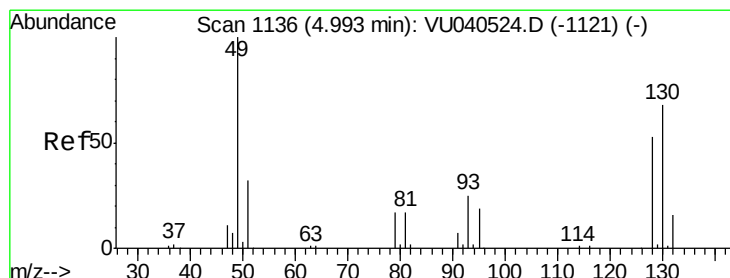
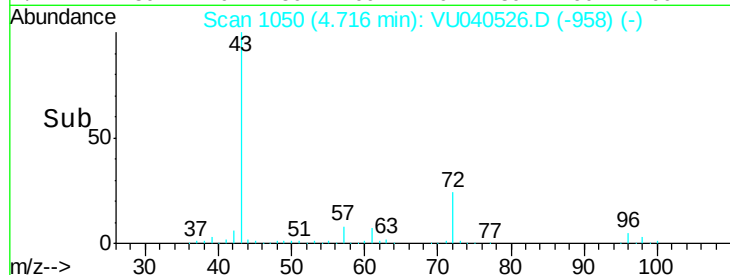
300000

200000

100000

0

Time-->



#23

Bromochloromethane

Concen: 198.260 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU040526.D

Acq: 06 Oct 2020 14:19

Tgt Ion: 128 Resp: 237926

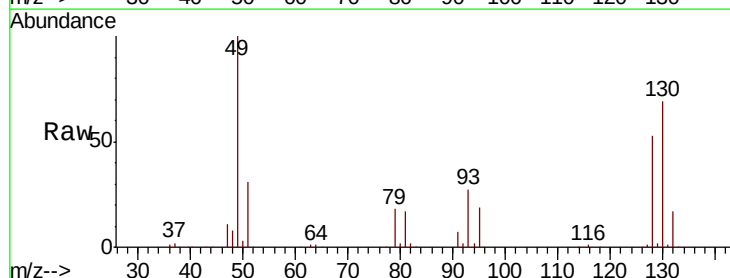
Ion Ratio Lower Upper

128 100

49 187.0 133.1 247.3

130 128.1 90.5 168.1

51 58.6 48.4 72.6



Abundance Ion 128.00 (127.70 to 128.70): VU040526.D (-1121) (-)

Ion 49.00 (48.70 to 49.70): VU040526.D (-1121) (-)

Ion 130.00 (129.70 to 130.70): VU040526.D (-1121) (-)

Ion 51.00 (50.70 to 51.70): VU040526.D (-1121) (-)

300000

250000

200000

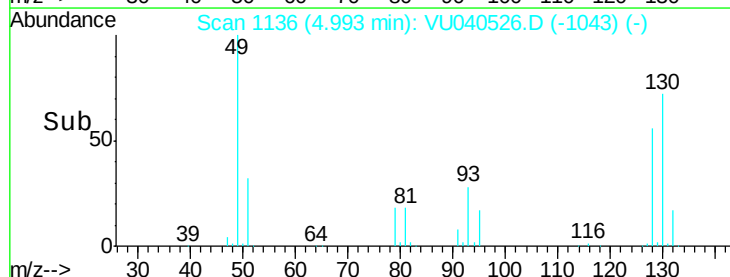
150000

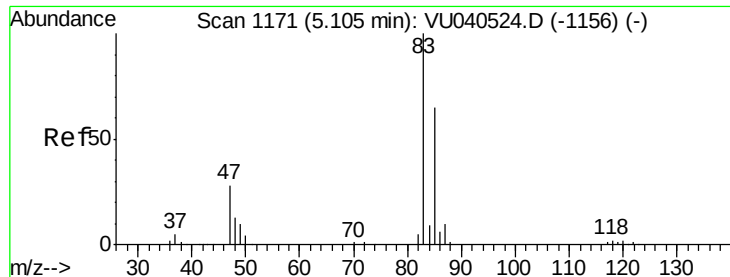
100000

50000

0

Time-->

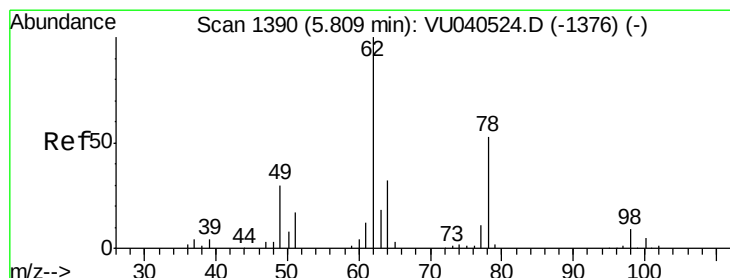
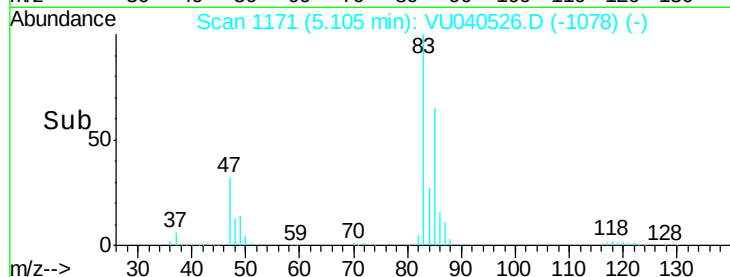
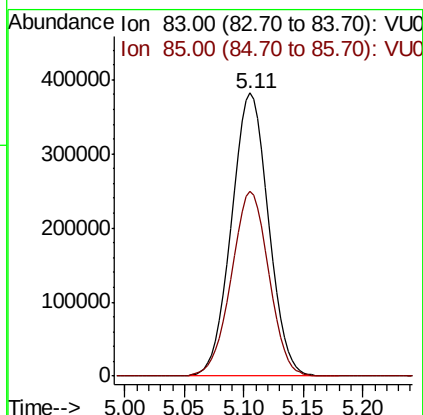
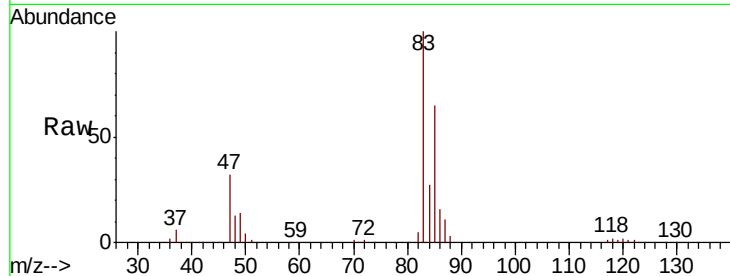




#25
Chloroform
Concen: 186.836 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040526.D
Acq: 06 Oct 2020 14:19

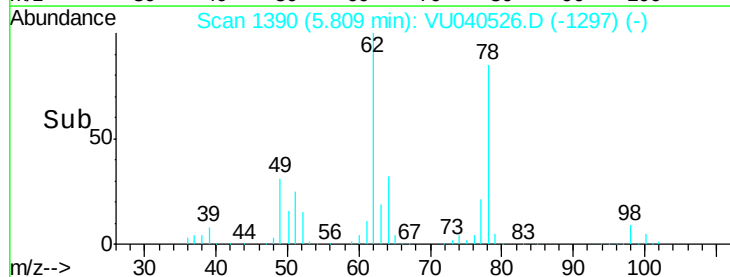
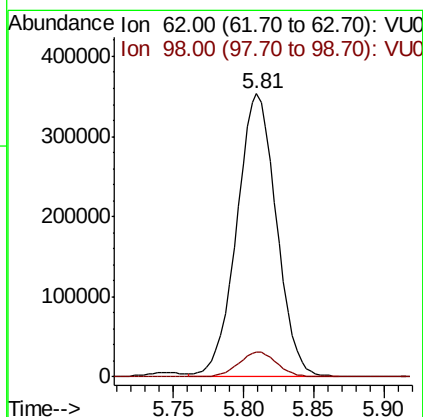
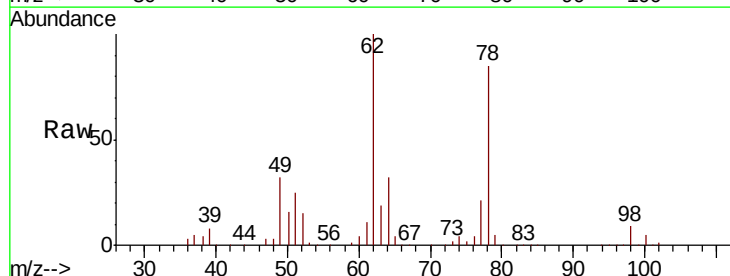
Instrument :
MSVOA_U
ClientSampleId :
VSTD200206

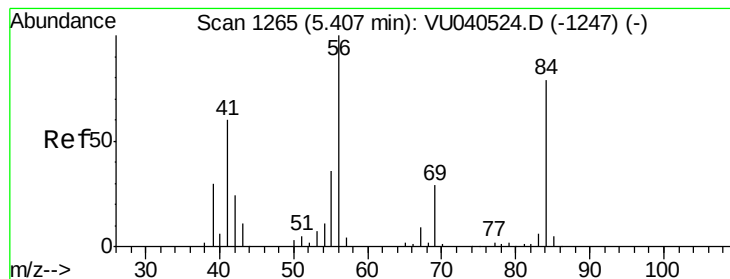
Tot Ion: 83 Resp: 824162
Ion Ratio Lower Upper
83 100
85 65.4 45.6 84.8



#27
1,2-Dichloroethane
Concen: 185.268 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040526.D
Acq: 06 Oct 2020 14:19

Tgt Ion: 62 Resp: 693155
Ion Ratio Lower Upper
62 100
98 8.7 7.1 10.7





#29

Cyclohexane

Concen: 205.999 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VU040526.D

Acq: 06 Oct 2020 14:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD200206

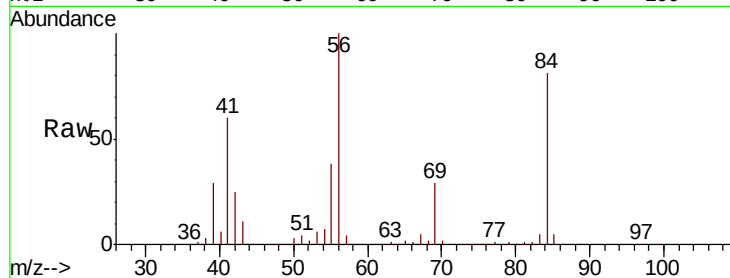
Tot Ion: 56 Resp: 800737

Ion Ratio Lower Upper

56 100

69 29.3 22.6 34.0

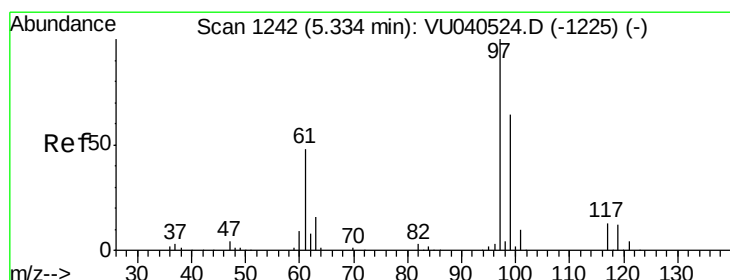
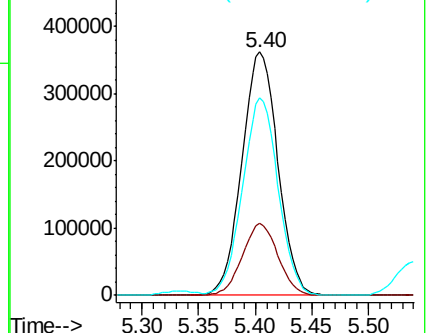
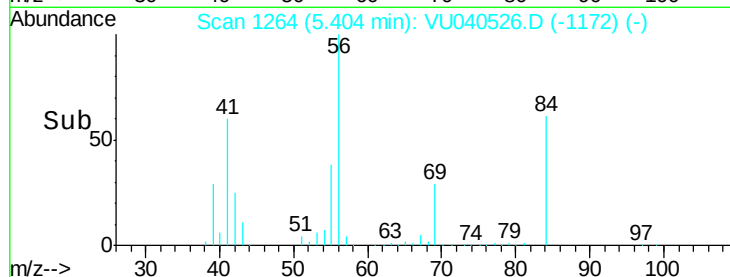
84 80.0 63.1 94.7



Abundance Ion 56.00 (55.70 to 56.70): VU040526.D (-1172) (-)

Ion 69.00 (68.70 to 69.70): VU040526.D (-1172) (-)

Ion 84.00 (83.70 to 84.70): VU040526.D (-1172) (-)



#30

1,1,1-Trichloroethane

Concen: 194.319 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VU040526.D

Acq: 06 Oct 2020 14:19

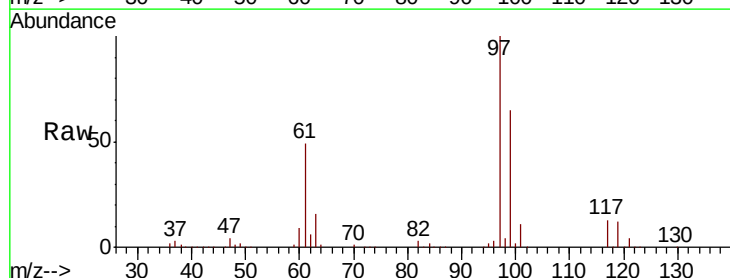
Tgt Ion: 97 Resp: 716194

Ion Ratio Lower Upper

97 100

99 64.6 51.0 76.6

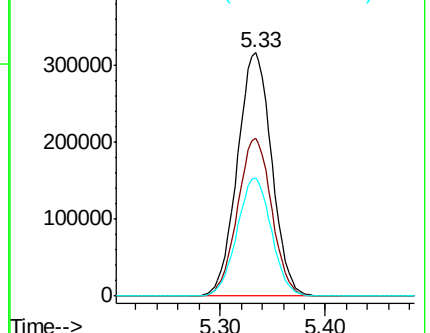
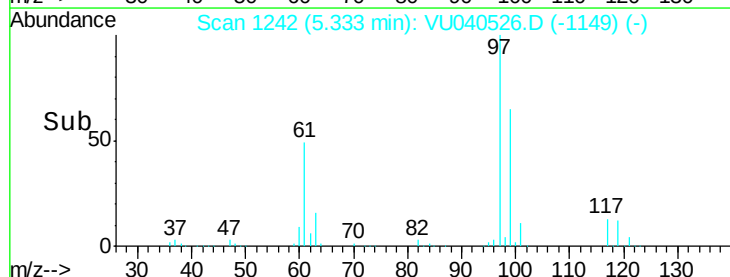
61 48.5 39.4 59.2

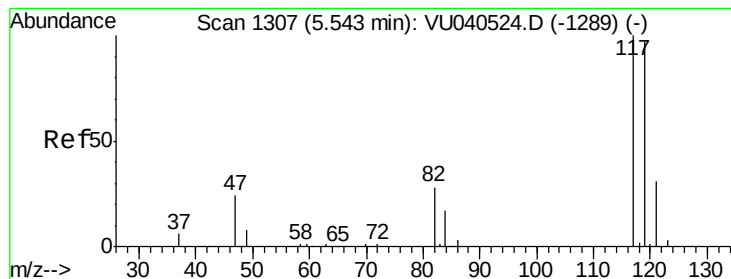


Abundance Ion 97.00 (96.70 to 97.70): VU040526.D (-1149) (-)

Ion 99.00 (98.70 to 99.70): VU040526.D (-1149) (-)

Ion 61.05 (60.75 to 61.75): VU040526.D (-1149) (-)





#31

Carbon tetrachloride

Concen: 196.279 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040526.D

Acq: 06 Oct 2020 14:19

Instrument :

MSVOA_U

ClientSampleId :

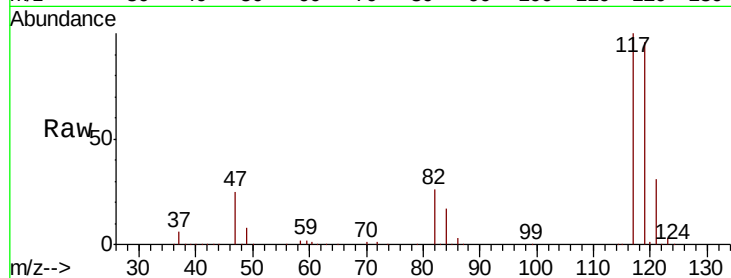
VSTD200206

Tot Ion:117 Resp: 628917

Ion Ratio Lower Upper

117 100

119 96.4 75.8 113.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.54

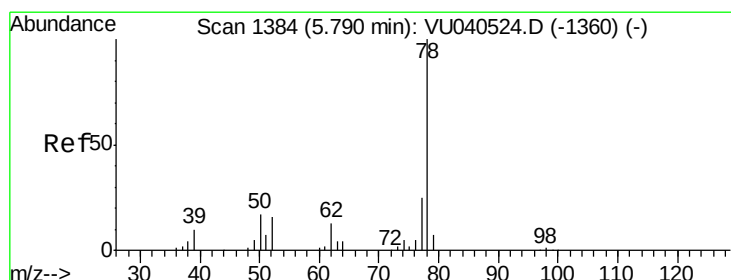
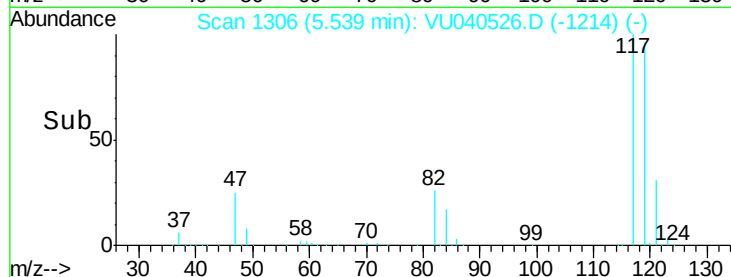
300000

200000

100000

0

Time-->



#33

Benzene

Concen: 193.675 ug/L

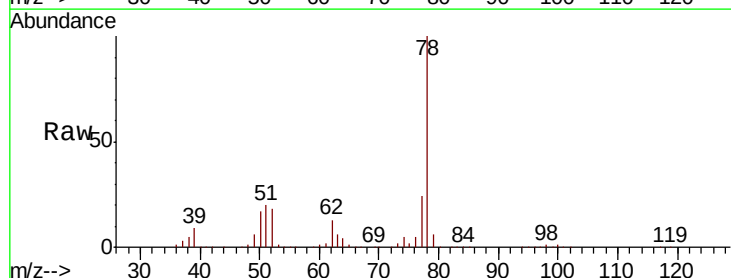
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

Lab File: VU040526.D

Acq: 06 Oct 2020 14:19

Tgt Ion: 78 Resp: 1801753



Abundance Ion 78.00 (77.70 to 78.70): VU0

1000000

800000

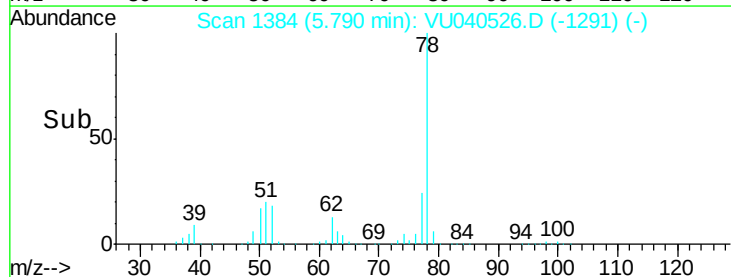
600000

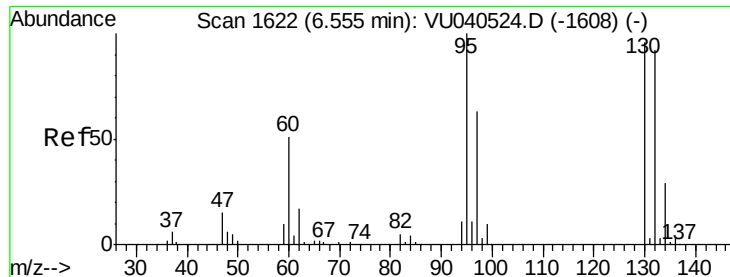
400000

200000

0

Time-->





#34

Trichloroethene

Concen: 192.184 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. -0.00 min

Lab File: VU040526.D

Acq: 06 Oct 2020 14:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD200206

Tot Ion: 95 Resp: 458063

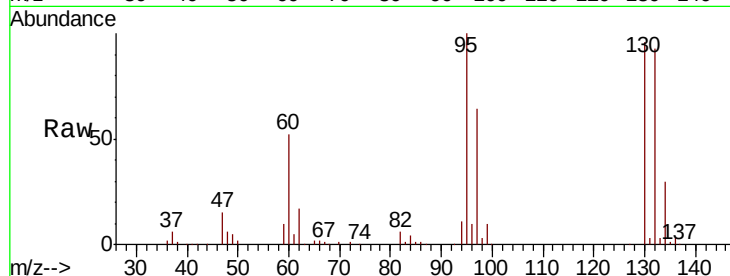
Ion Ratio Lower Upper

95 100

97 64.3 44.3 82.3

132 92.6 64.2 119.2

130 96.3 67.3 125.1

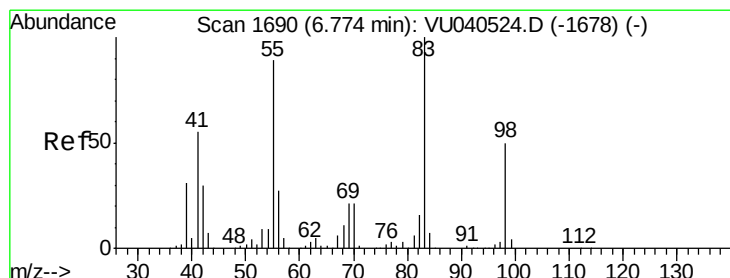
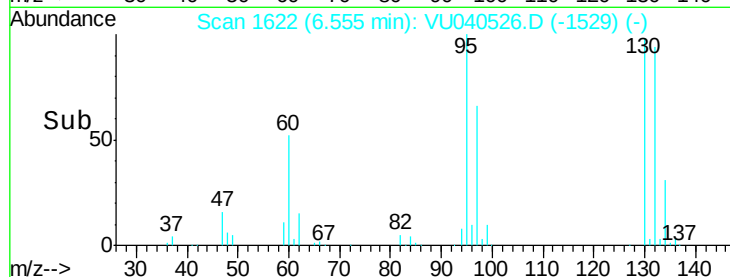
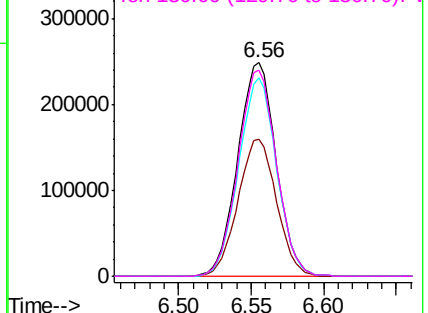


Abundance Ion 95.00 (94.70 to 95.70): VU040526.D (-1529) (-)

Ion 97.00 (96.70 to 97.70): VU040526.D (-1529) (-)

Ion 132.00 (131.70 to 132.70): VU040526.D (-1529) (-)

Ion 130.00 (129.70 to 130.70): VU040526.D (-1529) (-)



#35

Methylcyclohexane

Concen: 207.111 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU040526.D

Acq: 06 Oct 2020 14:19

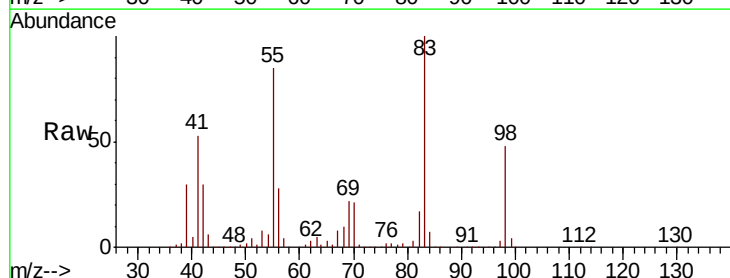
Tgt Ion: 83 Resp: 755075

Ion Ratio Lower Upper

83 100

55 84.6 69.8 104.8

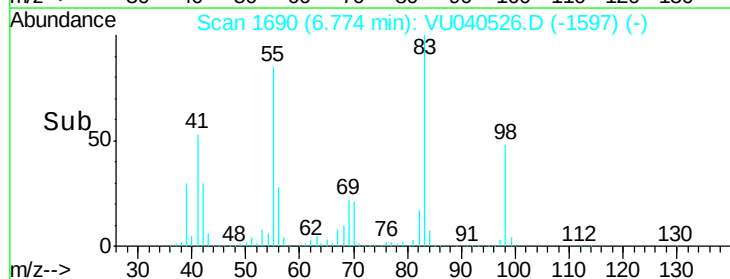
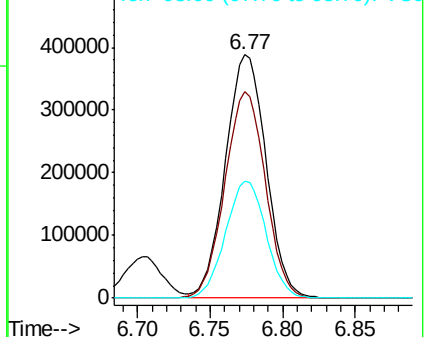
98 47.9 39.1 58.7

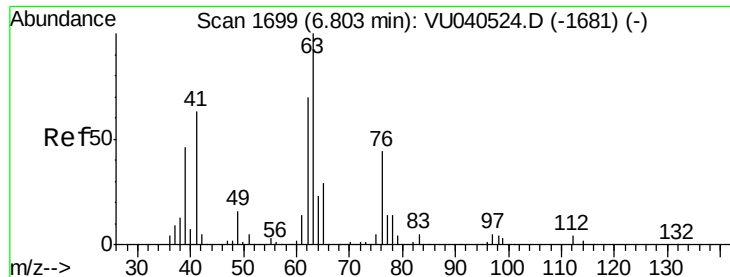


Abundance Ion 83.00 (82.70 to 83.70): VU040526.D (-1597) (-)

Ion 55.00 (54.70 to 55.70): VU040526.D (-1597) (-)

Ion 98.00 (97.70 to 98.70): VU040526.D (-1597) (-)

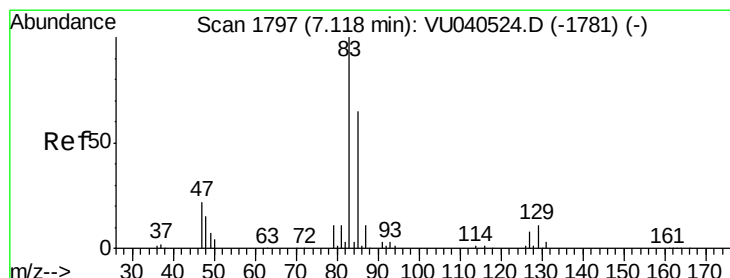
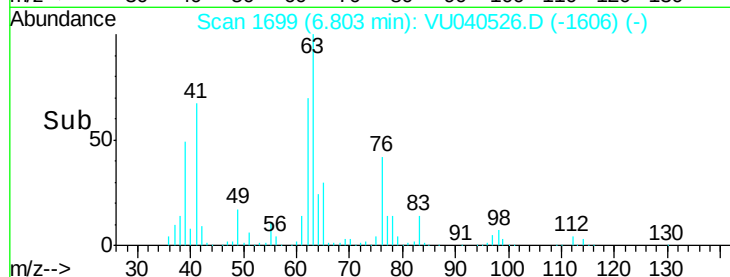
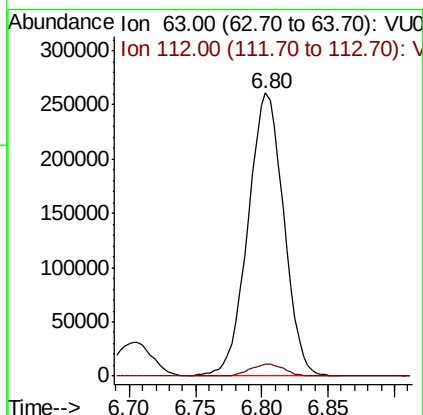
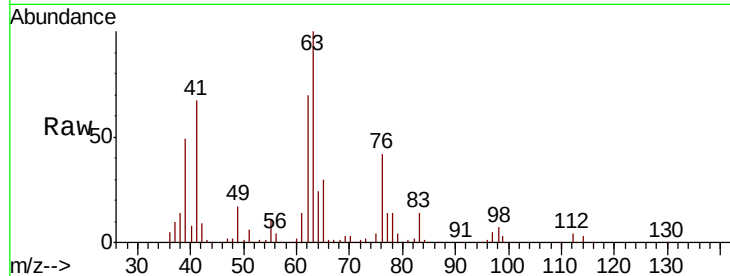




#37
 1,2-Dichloropropane
 Concen: 186.964 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU040526.D
 Acq: 06 Oct 2020 14:19

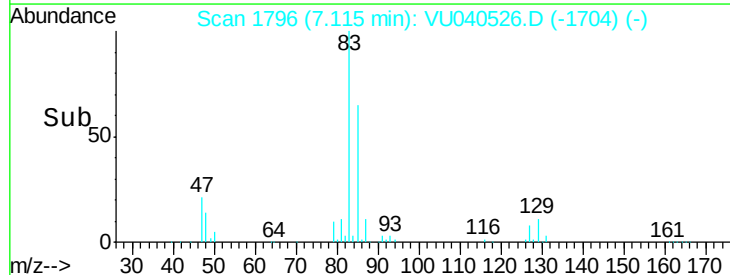
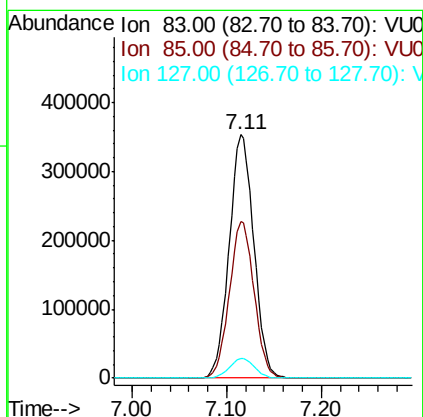
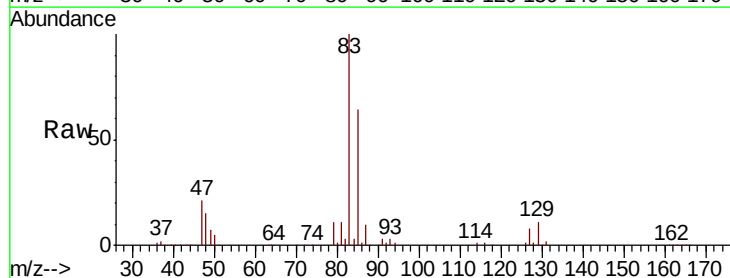
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200206

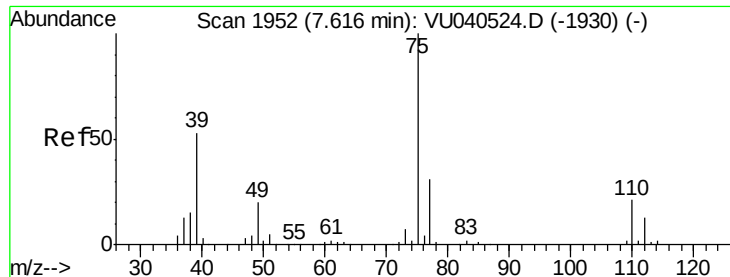
Tot Ion: 63 Resp: 488374
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.5 5.3



#38
 Bromodichloromethane
 Concen: 192.401 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040526.D
 Acq: 06 Oct 2020 14:19

Tgt Ion: 83 Resp: 638105
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.2 84.0
 127 8.2 6.7 10.1

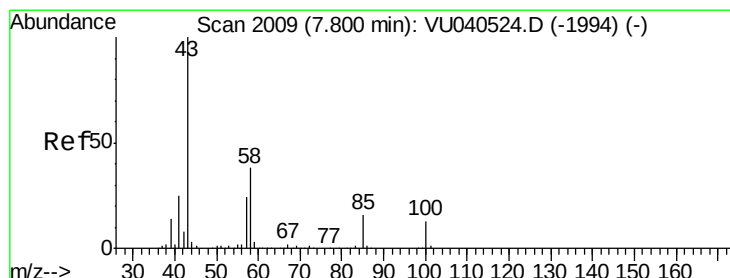
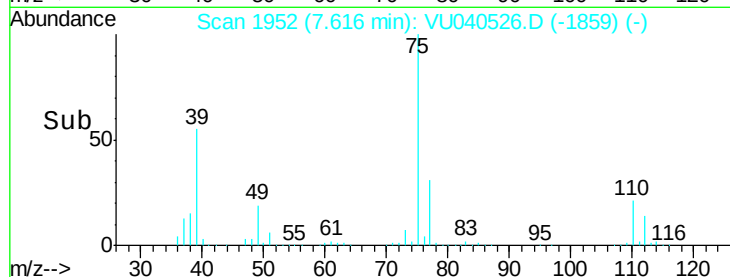
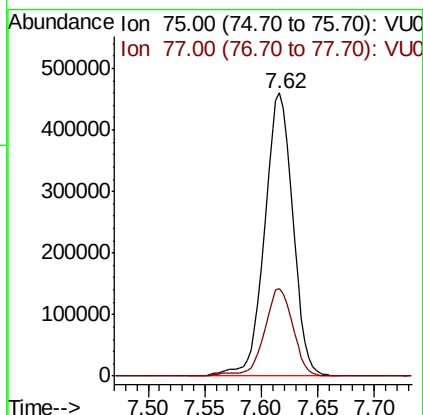
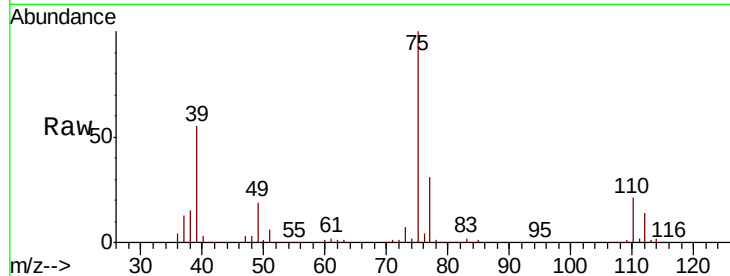




#39
 cis-1,3-Dichloropropene
 Concen: 212.119 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU040526.D
 Acq: 06 Oct 2020 14:19

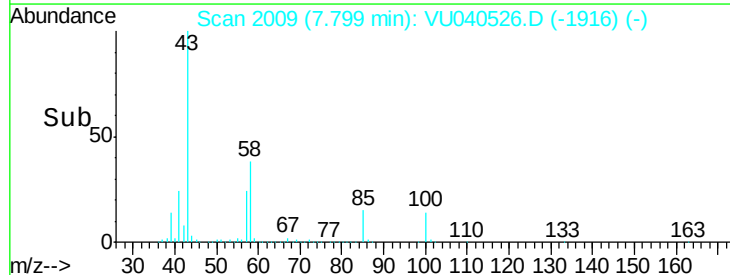
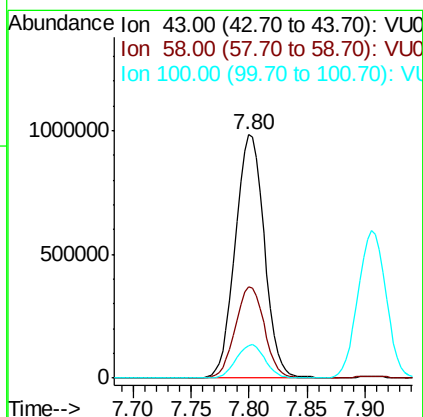
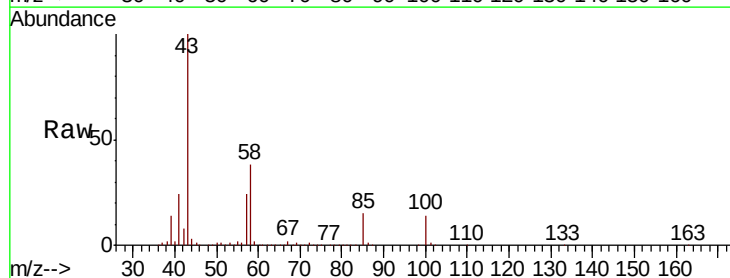
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200206

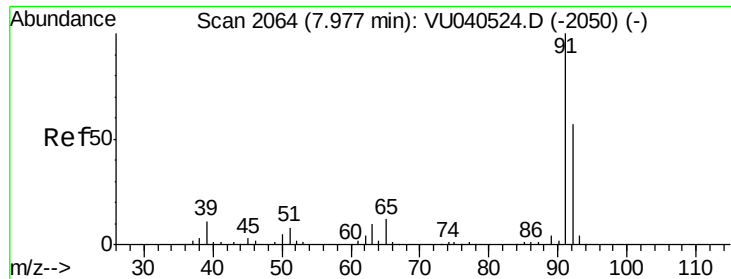
Tot Ion: 75 Resp: 797321
 Ion Ratio Lower Upper
 75 100
 77 30.9 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 410.170 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040526.D
 Acq: 06 Oct 2020 14:19

Tgt Ion: 43 Resp: 1711798
 Ion Ratio Lower Upper
 43 100
 58 37.5 29.7 44.5
 100 13.7 10.5 15.7





#42

Toluene

Concen: 200.331 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040526.D

Acq: 06 Oct 2020 14:19

Instrument :

MSVOA_U

ClientSampleId :

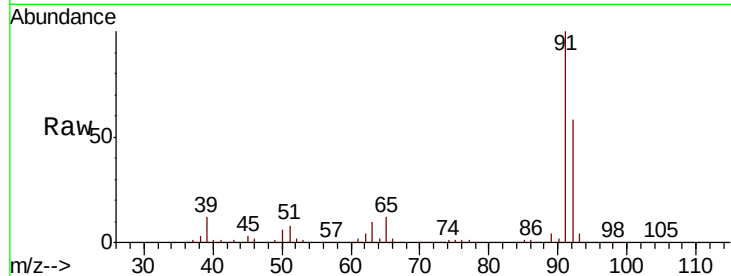
VSTD200206

Tot Ion: 91 Resp: 1886006

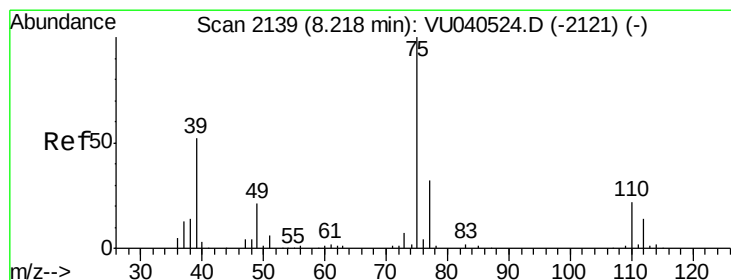
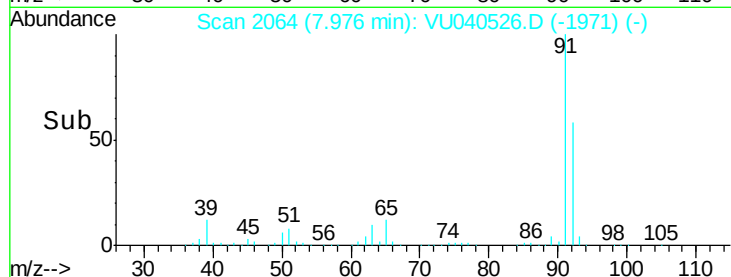
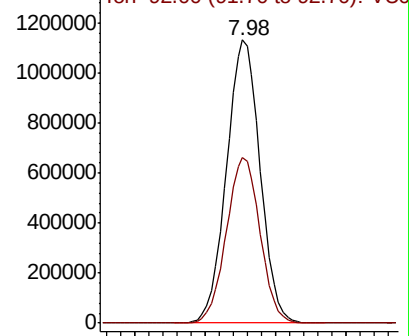
Ion Ratio Lower Upper

91 100

92 58.3 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU040526.D (-1971) (-)



#44

trans-1,3-Dichloropropene

Concen: 206.805 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU040526.D

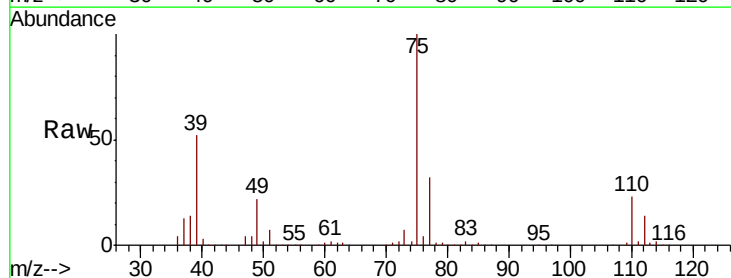
Acq: 06 Oct 2020 14:19

Tgt Ion: 75 Resp: 788454

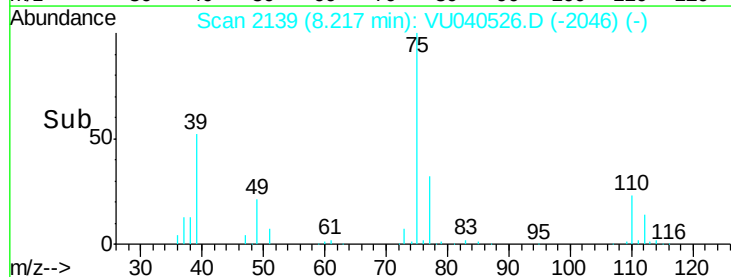
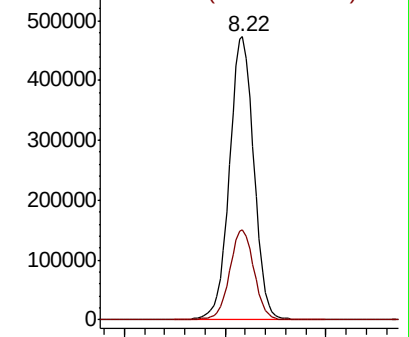
Ion Ratio Lower Upper

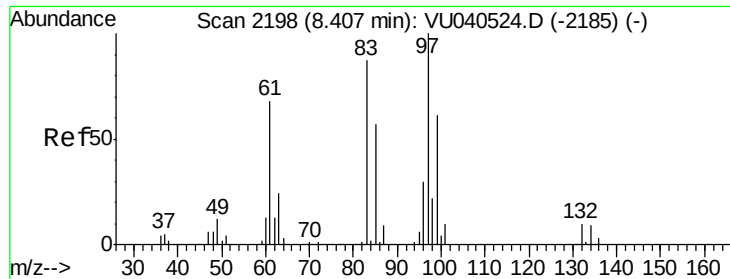
75 100

77 31.9 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU040526.D (-2046) (-)

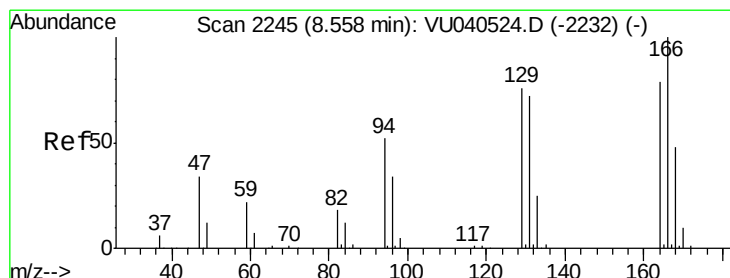
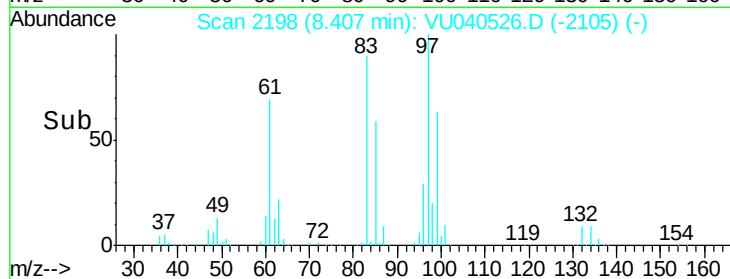
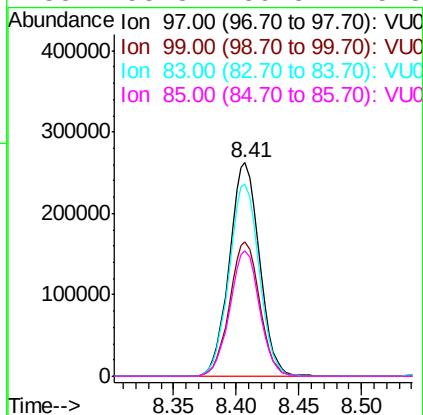
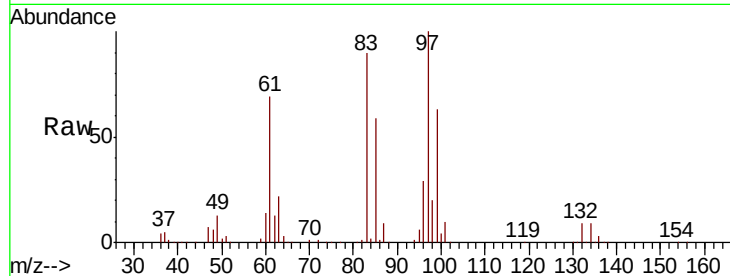




#45
 1,1,2-Trichloroethane
 Concen: 191.686 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU040526.D
 Acq: 06 Oct 2020 14:19

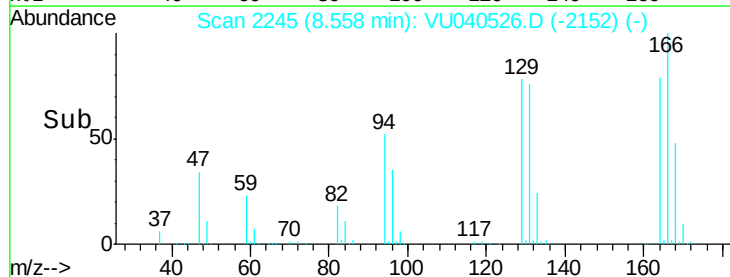
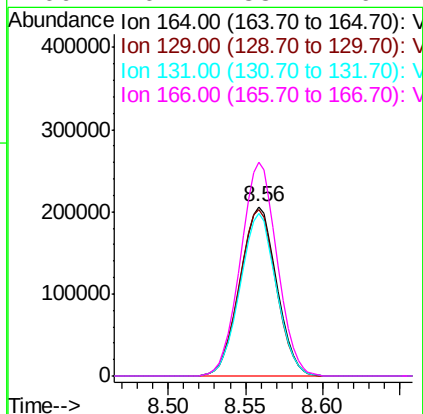
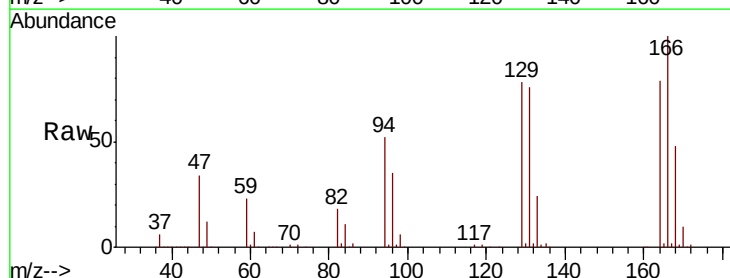
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200206

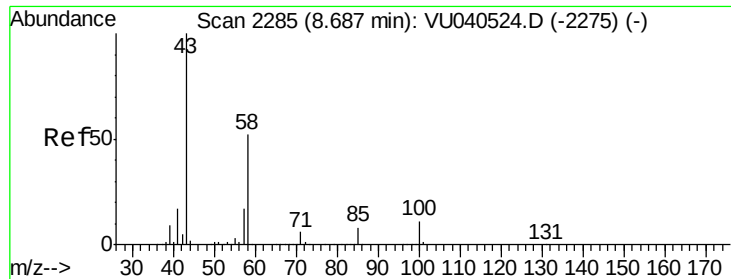
Tot Ion:	97	Resp:	437815
Ion	Ratio	Lower	Upper
97	100		
99	63.0	42.7	79.3
83	90.2	61.0	113.4
85	58.8	39.8	73.8



#46
 Tetrachloroethene
 Concen: 202.298 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU040526.D
 Acq: 06 Oct 2020 14:19

Tgt Ion:	164	Resp:	339123
Ion	Ratio	Lower	Upper
164	100		
129	98.6	67.4	125.2
131	96.2	63.8	118.6
166	126.1	88.7	164.7

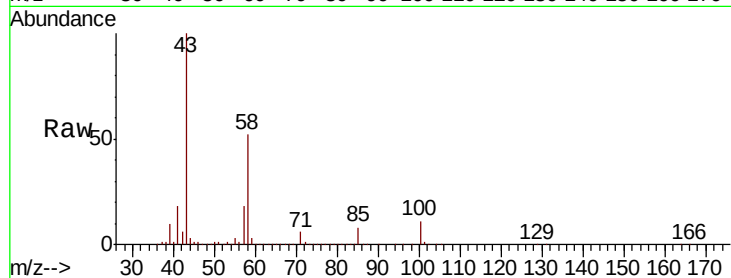




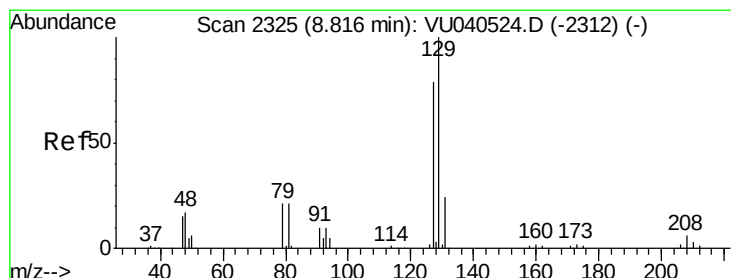
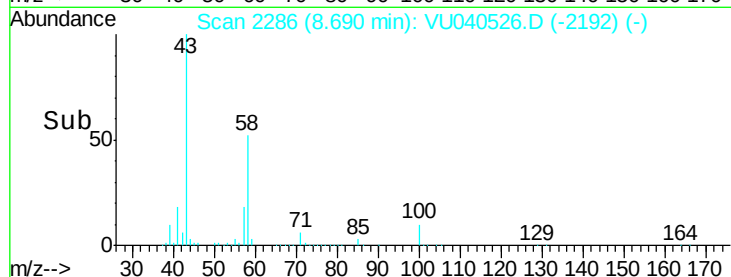
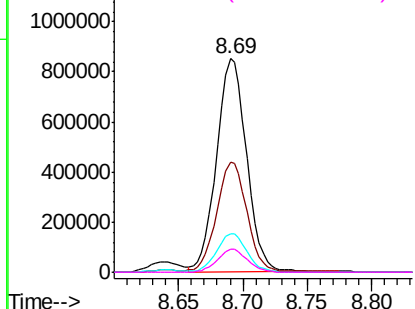
#48
2-Hexanone
Concen: 411.612 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040526.D
Acq: 06 Oct 2020 14:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD200206

Tot Ion: 43 Resp: 1376174
Ion Ratio Lower Upper
43 100
58 51.7 40.6 60.8
57 18.2 14.3 21.5
100 10.7 8.5 12.7

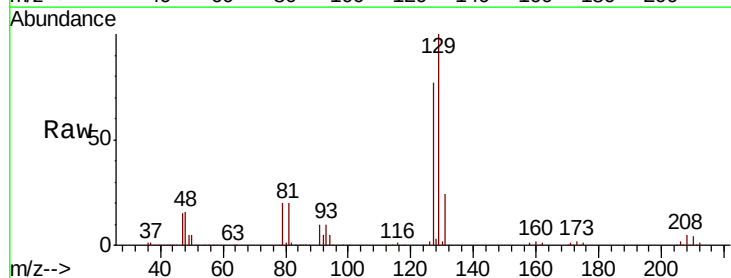


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

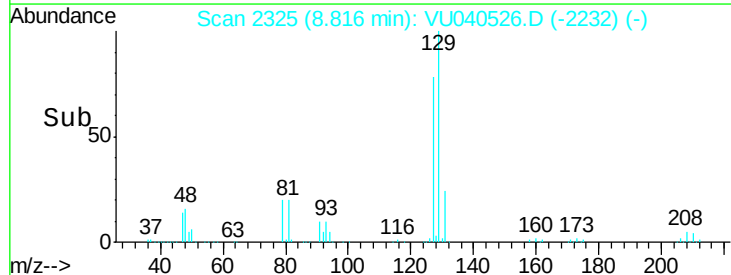
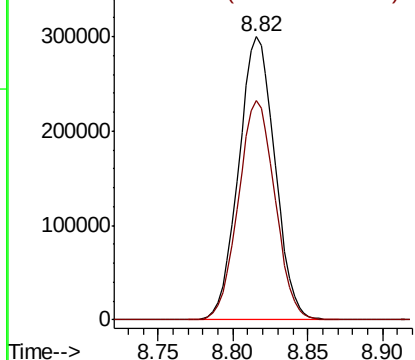


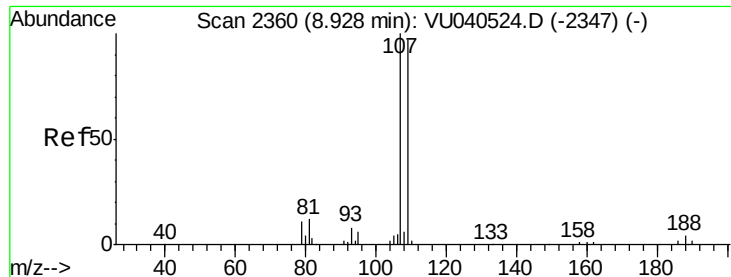
#49
Dibromochloromethane
Concen: 203.634 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU040526.D
Acq: 06 Oct 2020 14:19

Tgt Ion: 129 Resp: 507147
Ion Ratio Lower Upper
129 100
127 77.5 54.9 102.1



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

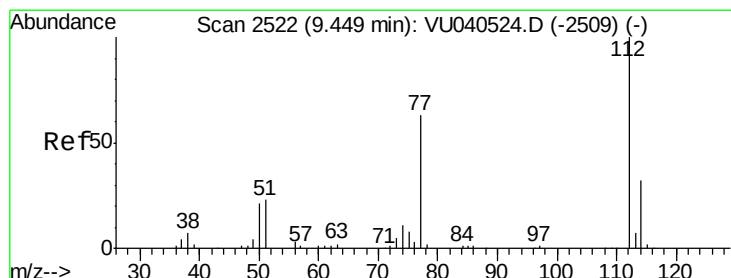
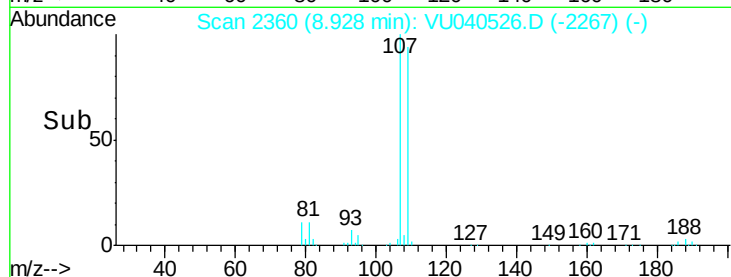
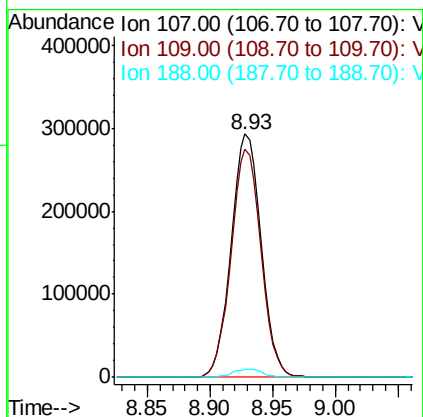
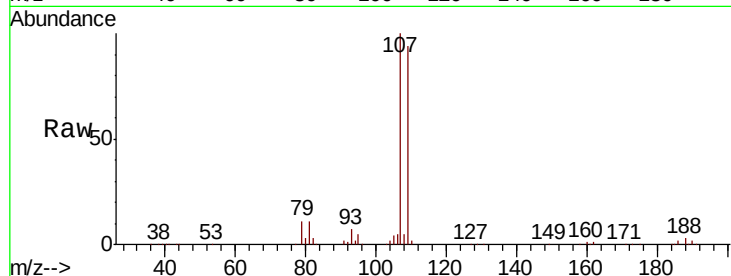




#50
1,2-Dibromoethane
Concen: 199.919 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU040526.D
Acq: 06 Oct 2020 14:19

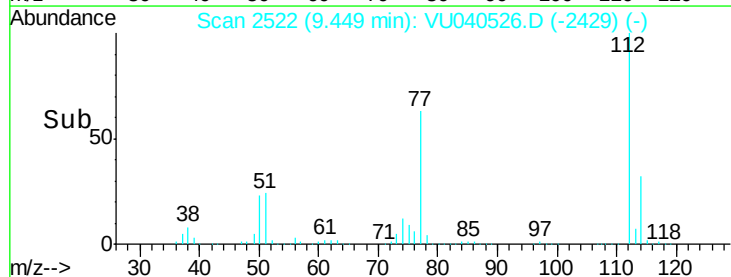
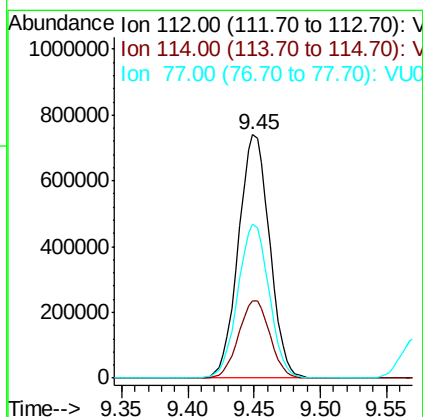
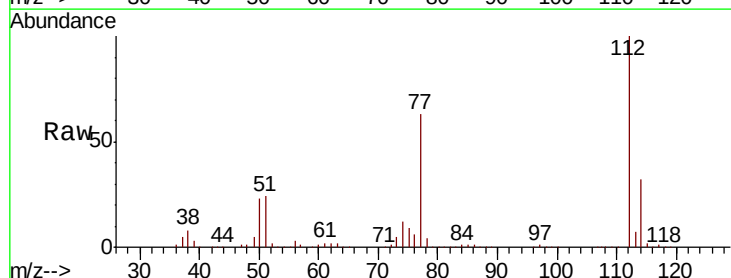
Instrument :
MSVOA_U
ClientSampleId :
VSTD200206

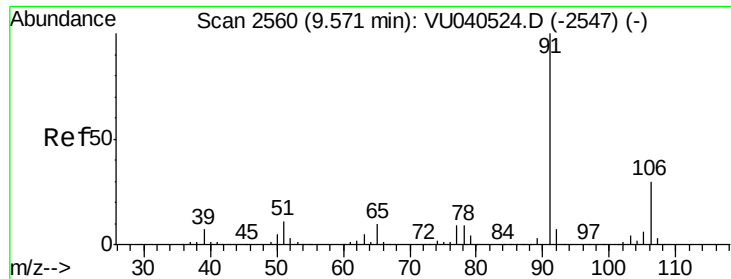
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	67.8	125.8
188	3.3	2.8	4.2



#51
Chlorobenzene
Concen: 194.352 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040526.D
Acq: 06 Oct 2020 14:19

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.1	41.1
77	63.2	50.4	75.6





#52

Ethylbenzene

Concen: 207.472 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU040526.D

Acq: 06 Oct 2020 14:19

Instrument :

MSVOA_U

ClientSampleId :

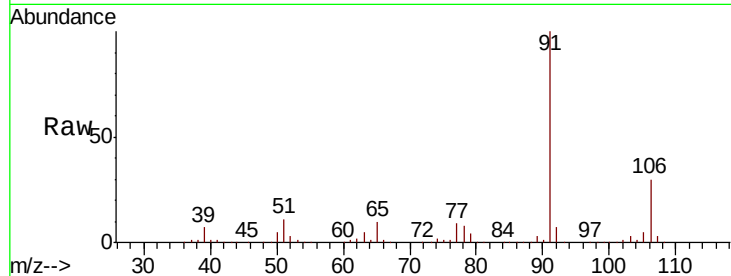
VSTD200206

Tot Ion: 91 Resp: 2173053

Ion Ratio Lower Upper

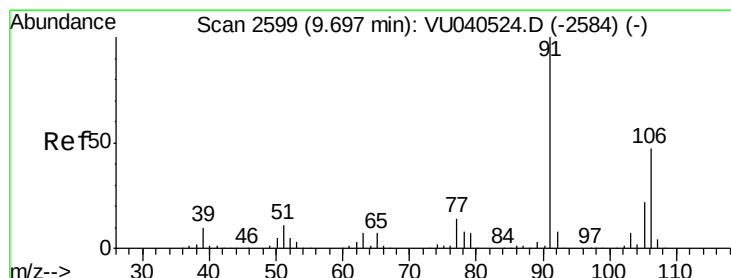
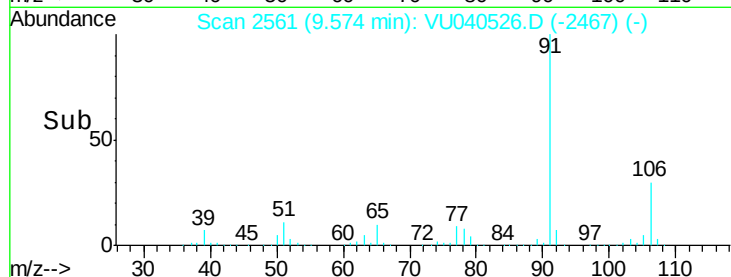
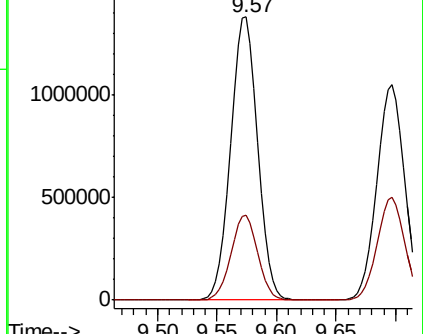
91 100

106 30.0 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VU040524.D (-2547) (-)

Ion 106.00 (105.70 to 106.70): VU040524.D (-2547) (-)



#53

m,p-Xylene

Concen: 211.707 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU040526.D

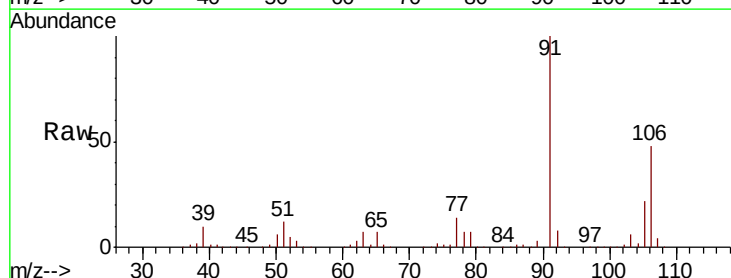
Acq: 06 Oct 2020 14:19

Tgt Ion: 106 Resp: 806407

Ion Ratio Lower Upper

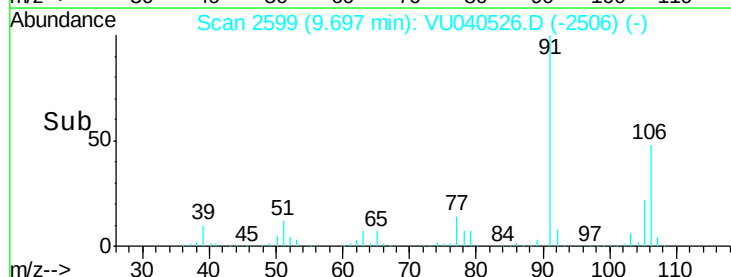
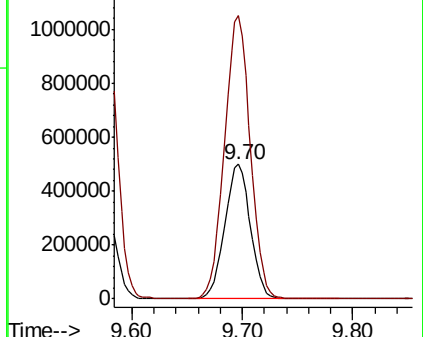
106 100

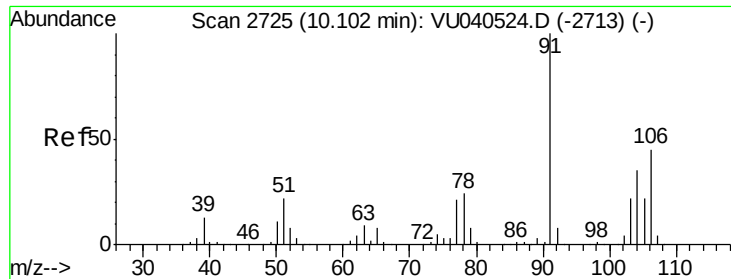
91 210.0 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): VU040524.D (-2584) (-)

Ion 91.00 (90.70 to 91.70): VU040524.D (-2584) (-)





#54

o-xylene

Concen: 210.910 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU040526.D

Acq: 06 Oct 2020 14:19

Instrument :

MSVOA_U

ClientSampleId :

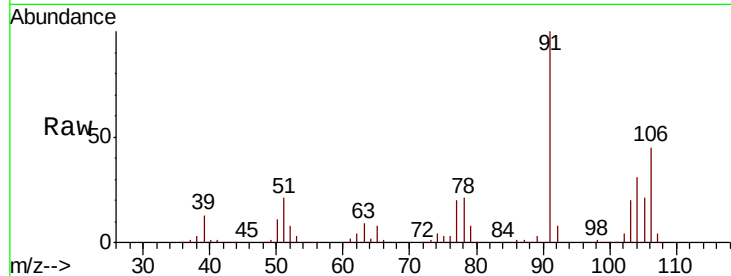
VSTD200206

Tot Ion:106 Resp: 785210

Ion Ratio Lower Upper

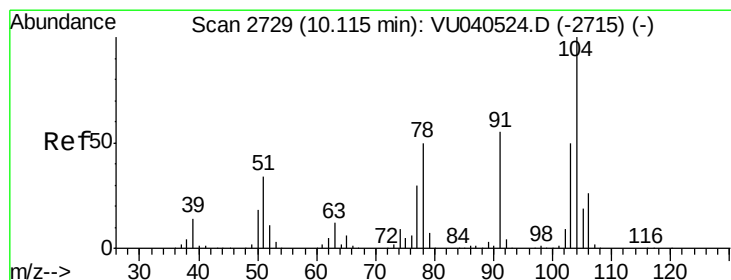
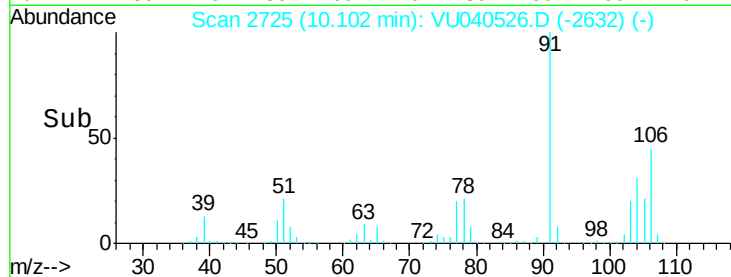
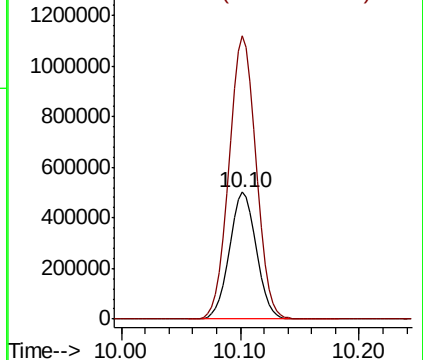
106 100

91 222.9 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 215.169 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU040526.D

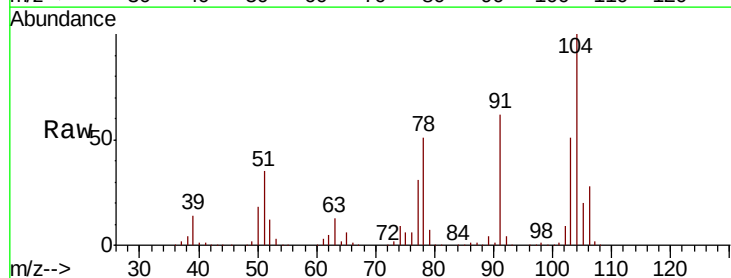
Acq: 06 Oct 2020 14:19

Tgt Ion:104 Resp: 1376054

Ion Ratio Lower Upper

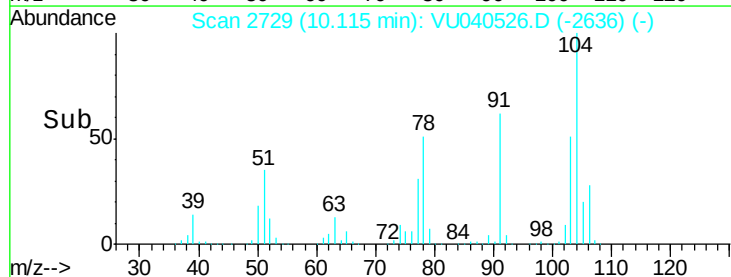
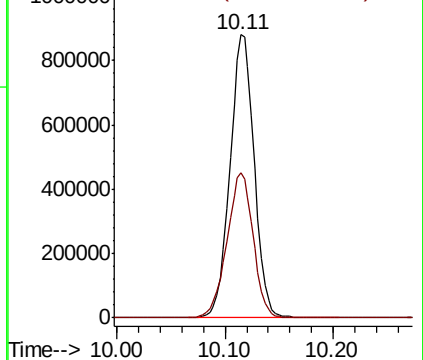
104 100

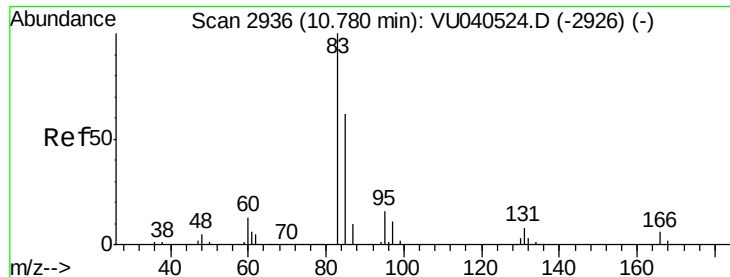
78 51.5 35.2 65.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

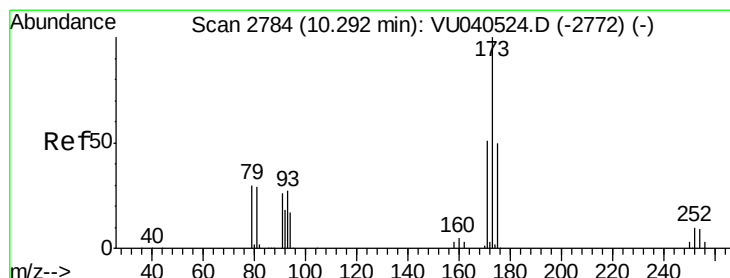
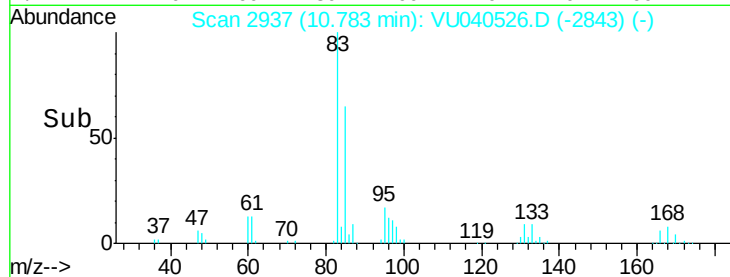
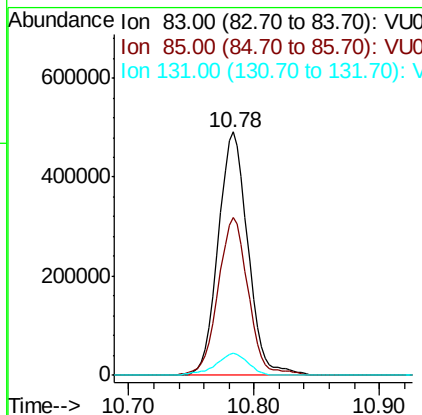
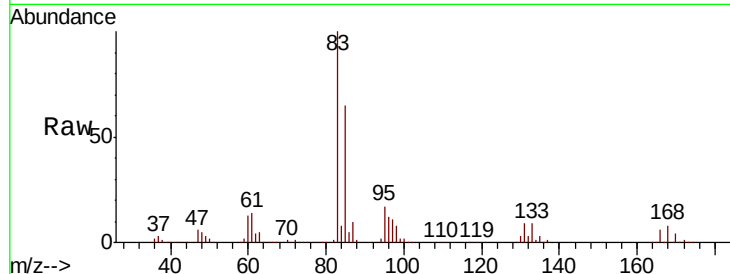




#57
 1,1,2,2-Tetrachloroethane
 Concen: 201.331 ug/L
 RT: 10.78 min Scan# 2937
 Delta R.T. 0.00 min
 Lab File: VU040526.D
 Acq: 06 Oct 2020 14:19

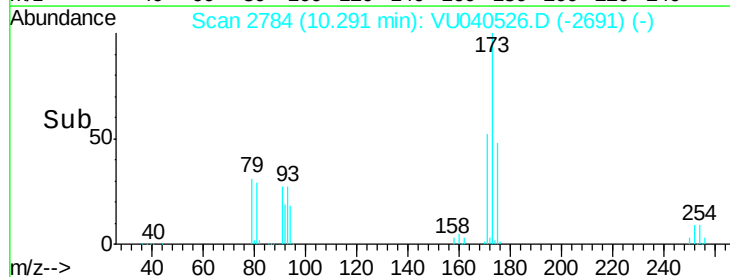
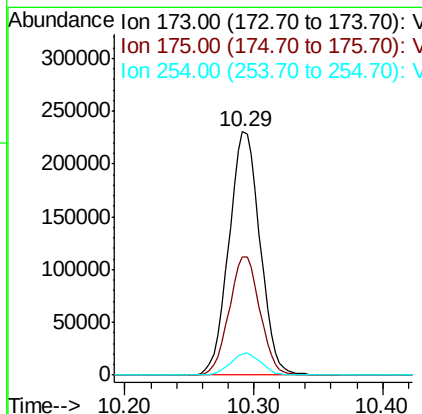
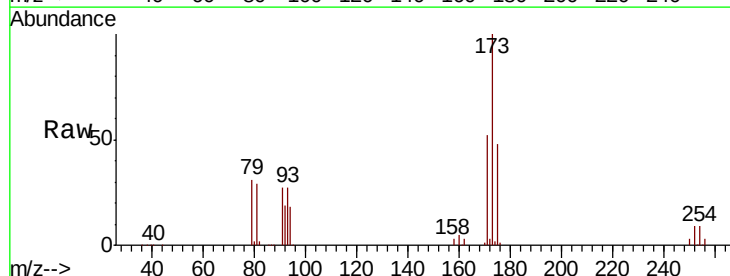
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200206

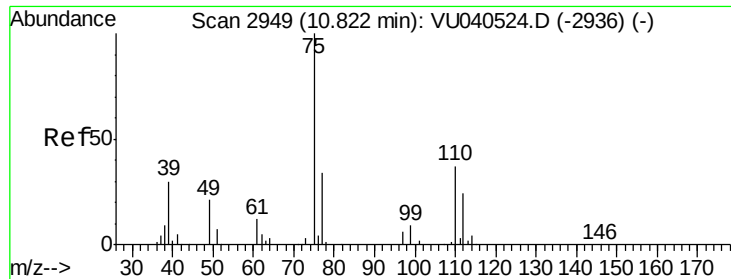
Tot Ion	83	Resp	806986
Ion Ratio	Lower	Upper	
83	100		
85	64.9	44.2	82.2
131	9.0	7.1	10.7



#59
 Bromoform
 Concen: 209.785 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU040526.D
 Acq: 06 Oct 2020 14:19

Tgt Ion	173	Resp	384774
Ion Ratio	Lower	Upper	
173	100		
175	48.3	38.5	57.7
254	8.9	7.0	10.6

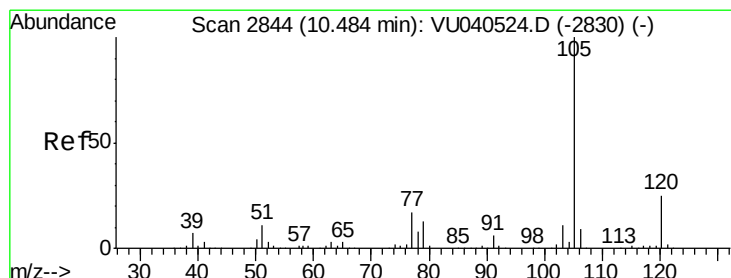
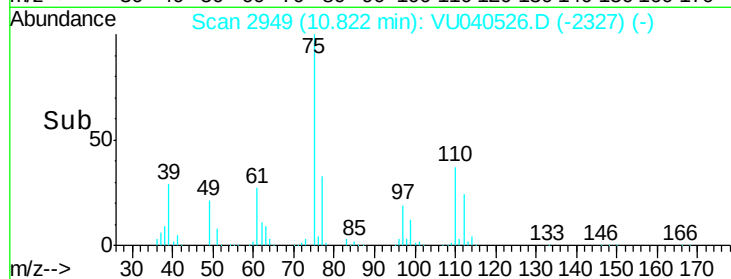
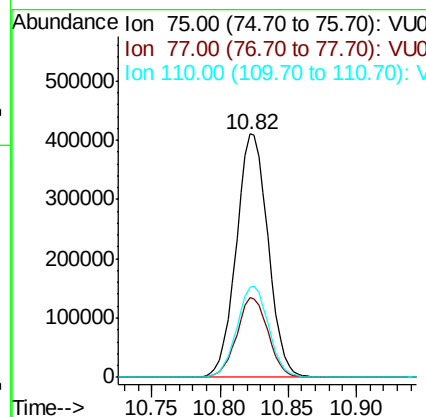
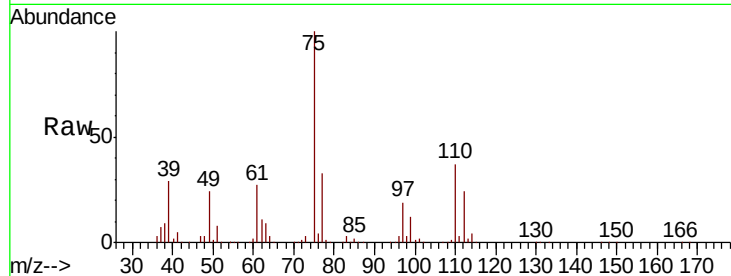




#60
1,2,3-Trichloropropane
Concen: 188.457 ug/L
RT: 10.82 min Scan# 2949
Delta R.T. -0.00 min
Lab File: VU040526.D
Acq: 06 Oct 2020 14:19

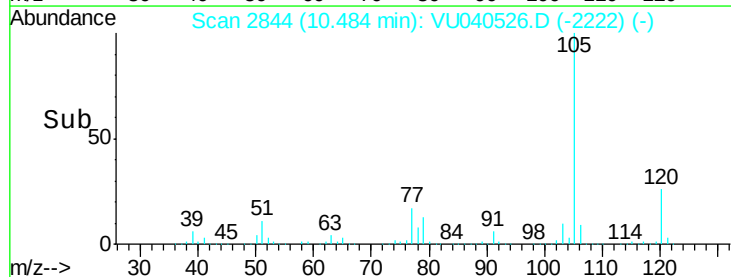
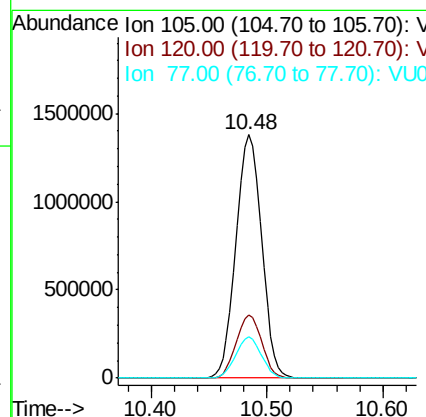
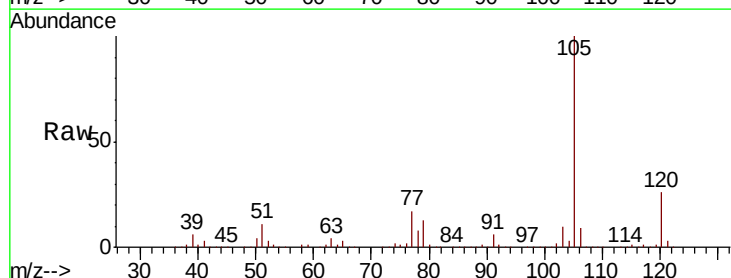
Instrument :
MSVOA_U
ClientSampleId :
VSTD200206

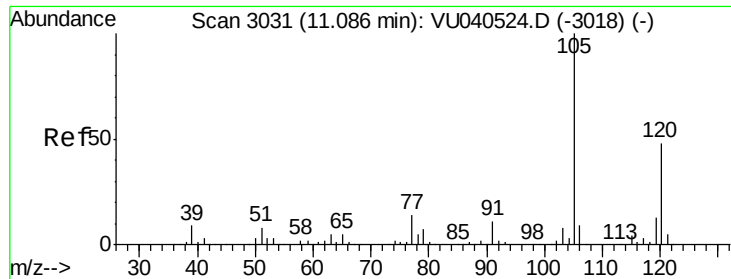
Tot Ion: 75 Resp: 665010
Ion Ratio Lower Upper
75 100
77 32.2 26.4 39.6
110 37.3 30.1 45.1



#61
Isopropylbenzene
Concen: 203.440 ug/L
RT: 10.48 min Scan# 2844
Delta R.T. -0.00 min
Lab File: VU040526.D
Acq: 06 Oct 2020 14:19

Tgt Ion: 105 Resp: 2105864
Ion Ratio Lower Upper
105 100
120 25.8 20.7 31.1
77 16.9 13.8 20.8

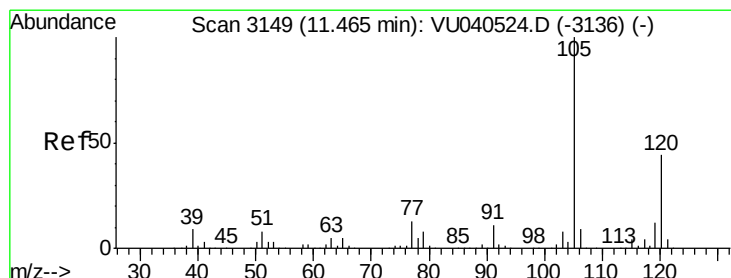
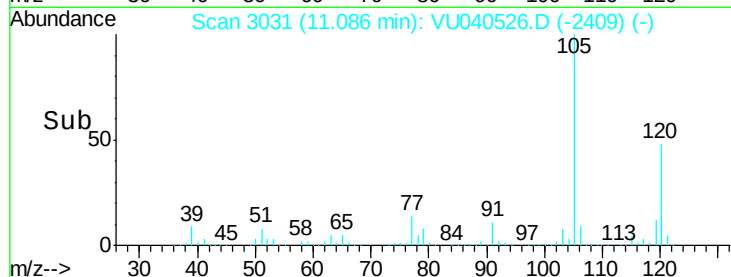
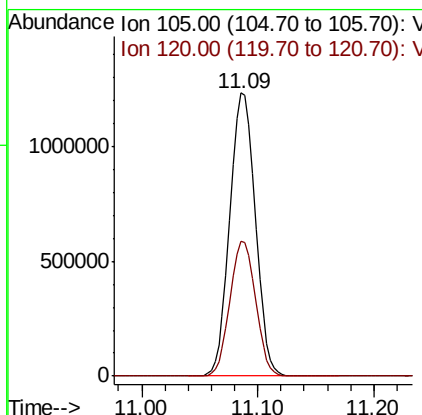
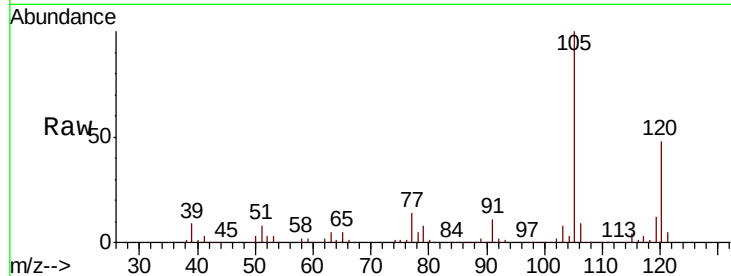




#62
 1,3,5-Trimethylbenzene
 Concen: 220.408 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. -0.00 min
 Lab File: VU040526.D
 Acq: 06 Oct 2020 14:19

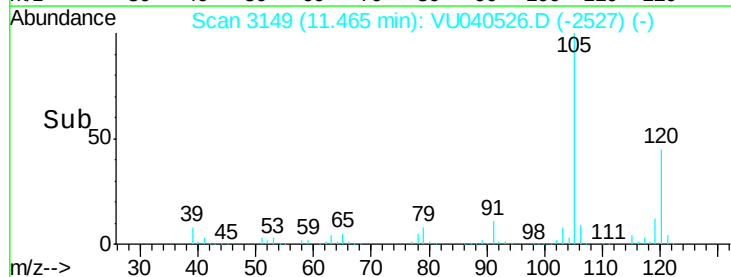
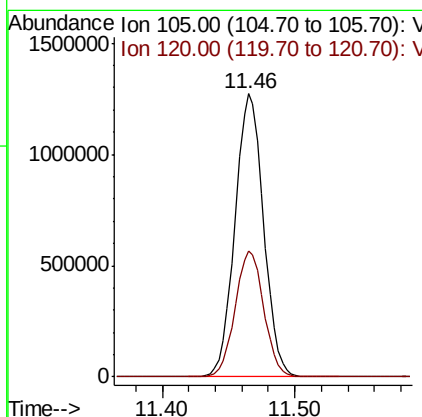
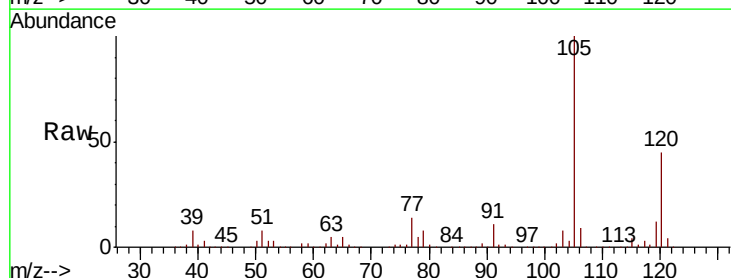
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200206

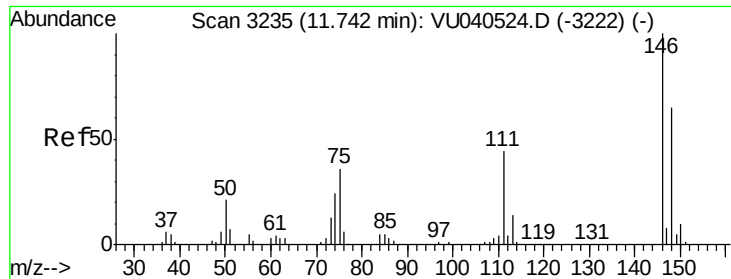
Tot Ion:105 Resp: 1868393
 Ion Ratio Lower Upper
 105 100
 120 47.8 38.6 58.0



#63
 1,2,4-Trimethylbenzene
 Concen: 221.544 ug/L
 RT: 11.46 min Scan# 3149
 Delta R.T. -0.00 min
 Lab File: VU040526.D
 Acq: 06 Oct 2020 14:19

Tgt Ion:105 Resp: 1897090
 Ion Ratio Lower Upper
 105 100
 120 44.6 35.7 53.5





#64

1,3-Dichlorobenzene

Concen: 200.139 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU040526.D

Acq: 06 Oct 2020 14:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD200206

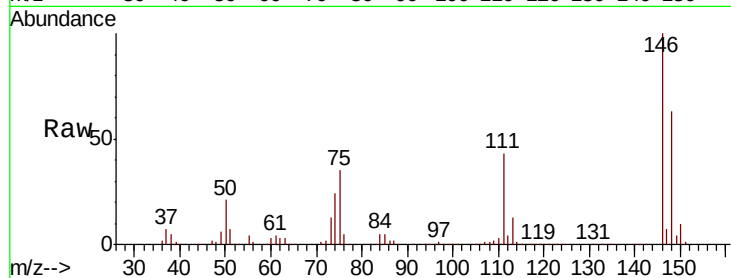
Tot Ion:146 Resp: 987821

Ion Ratio Lower Upper

146 100

111 43.0 30.8 57.2

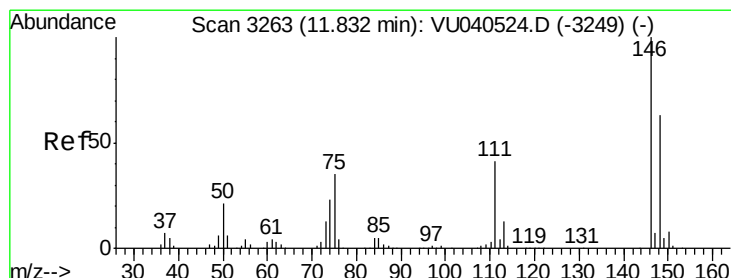
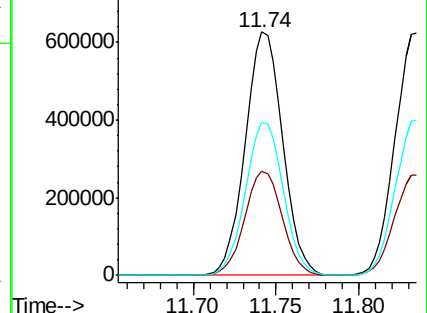
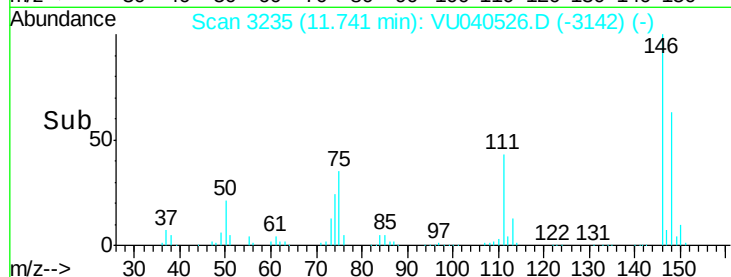
148 62.7 45.4 84.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 194.082 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.00 min

Lab File: VU040526.D

Acq: 06 Oct 2020 14:19

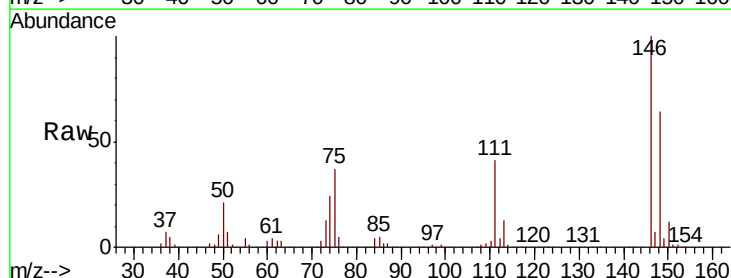
Tgt Ion:146 Resp: 994438

Ion Ratio Lower Upper

146 100

111 41.2 28.7 53.3

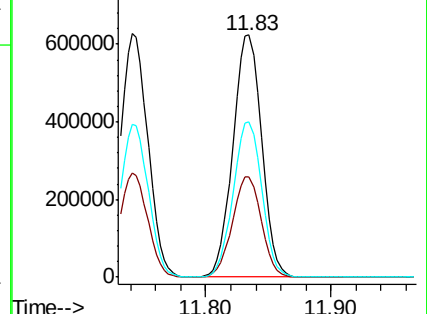
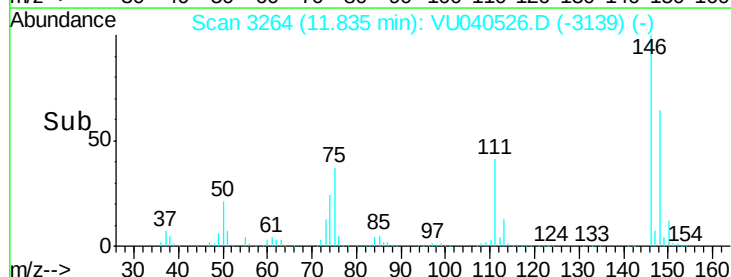
148 64.2 44.1 81.9

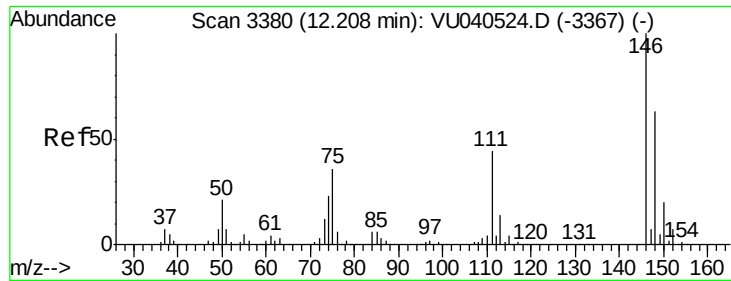


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

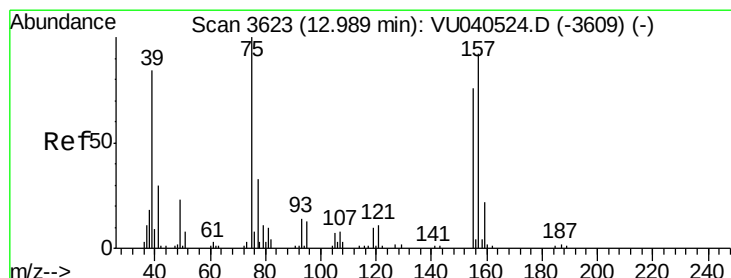
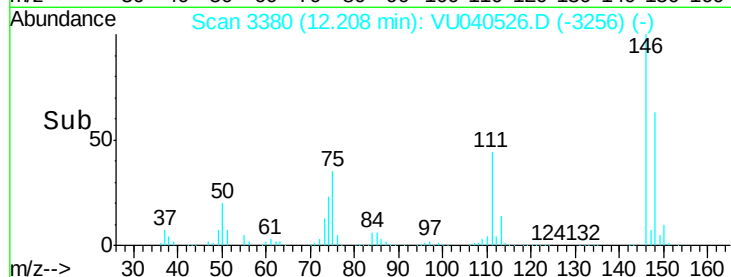
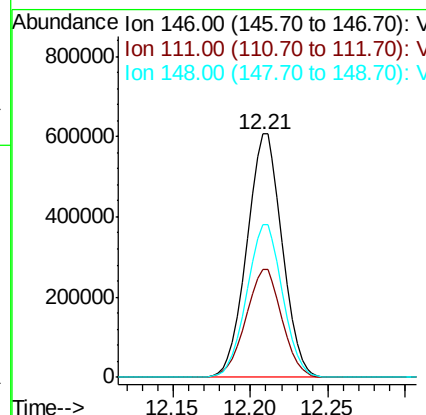
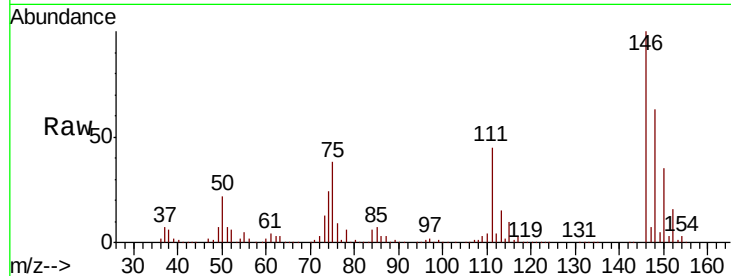




#67
 1,2-Dichlorobenzene
 Concen: 196.417 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU040526.D
 Acq: 06 Oct 2020 14:19

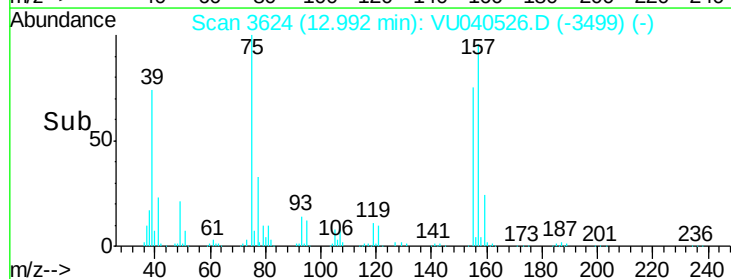
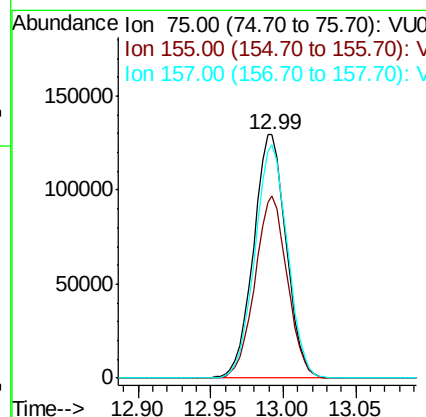
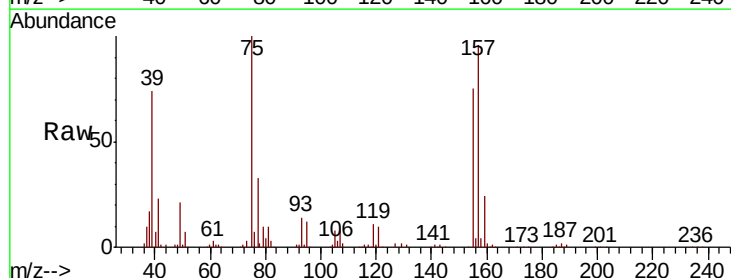
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200206

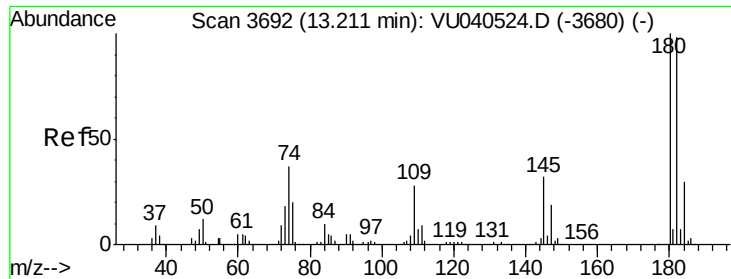
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	35.7	53.5
148	62.9	50.6	75.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 206.205 ug/L
 RT: 12.99 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VU040526.D
 Acq: 06 Oct 2020 14:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.0	61.0	91.6
157	95.7	73.5	110.3

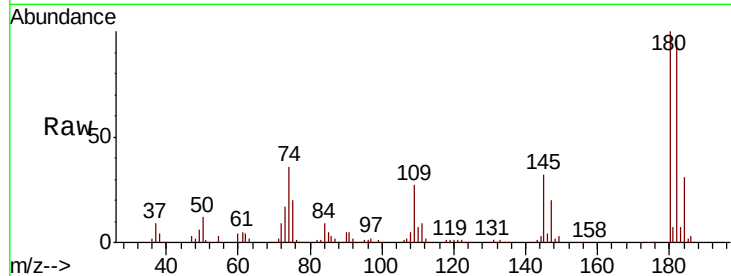




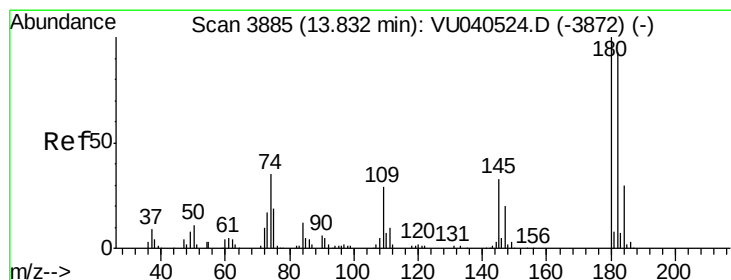
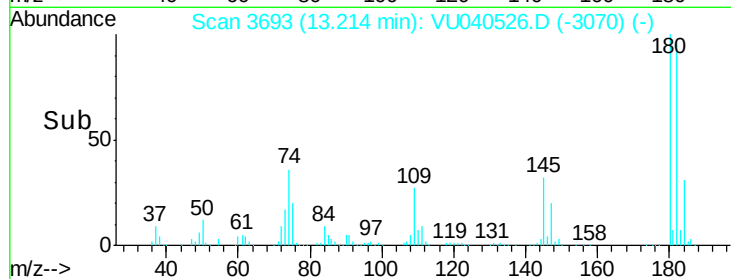
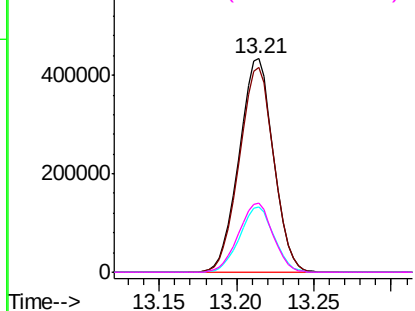
#69
 1,3,5-Trichlorobenzene
 Concen: 210.246 ug/L
 RT: 13.21 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VU040526.D
 Acq: 06 Oct 2020 14:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200206

Tot Ion:180 Resp: 670708
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.9 115.3
 184 30.5 24.2 36.2
 145 32.3 25.4 38.2

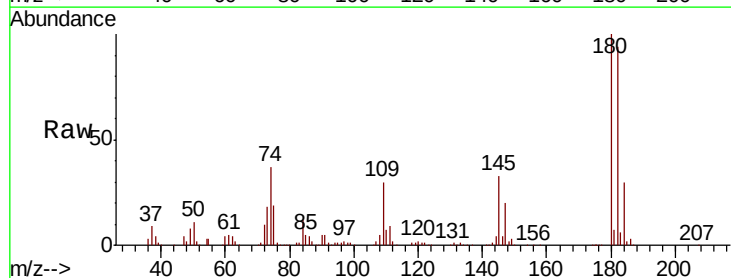


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

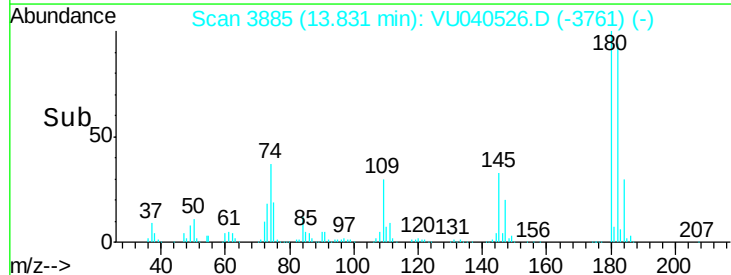
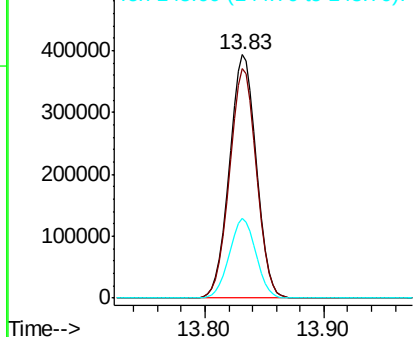


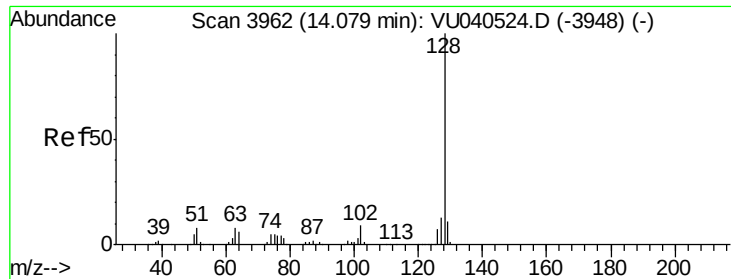
#70
 1,2,4-trichlorobenzene
 Concen: 223.984 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU040526.D
 Acq: 06 Oct 2020 14:19

Tgt Ion:180 Resp: 613695
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.0 112.6
 145 32.6 25.9 38.9



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

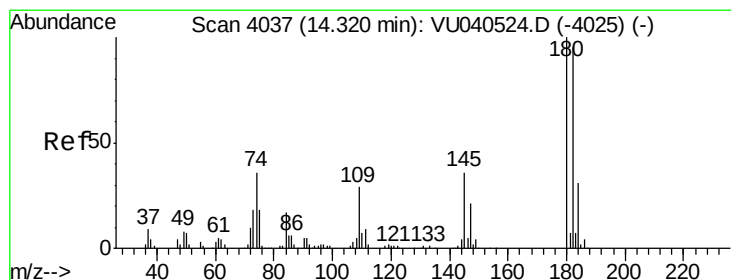
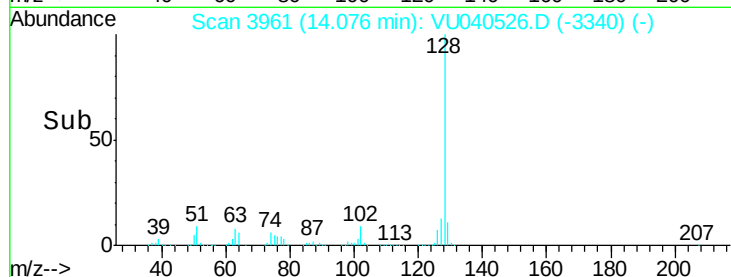
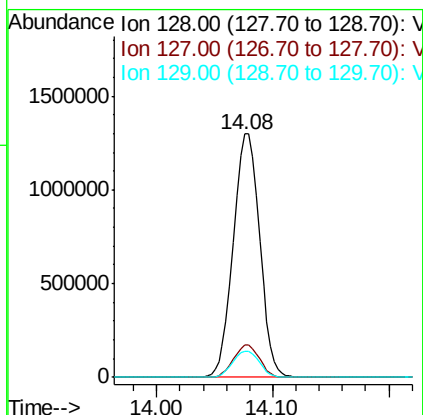
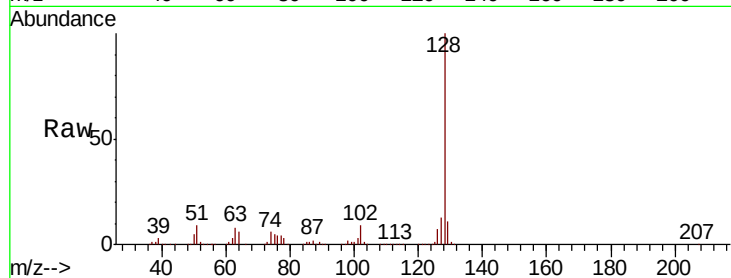




#71
Naphthalene
Concen: 246.722 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU040526.D
Acq: 06 Oct 2020 14:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD200206

Tot Ion:128 Resp: 2045220
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.8 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 218.189 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. -0.00 min
Lab File: VU040526.D
Acq: 06 Oct 2020 14:19

Tgt Ion:180 Resp: 580399
Ion Ratio Lower Upper
180 100
182 95.6 77.7 116.5
145 35.0 28.4 42.6

