

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100620\
 Data File : VU040525.D
 Acq On : 06 Oct 2020 13:57
 Operator : SY/MD
 Sample : VSTD10035
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100205

Quant Time: Oct 07 07:38:00 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	284690	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	282178	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	146286	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	247601	102.56	ug/L	0.00
7) Chloroethane-d5	1.92	69	191117	105.18	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	466634	100.56	ug/L	0.00
21) 2-Butanone-d5	4.64	46	407076	204.61	ug/L	0.00
24) Chloroform-d	5.08	84	430461	100.91	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	288102	95.88	ug/L	0.00
32) Benzene-d6	5.74	84	821547	102.03	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	271433	99.59	ug/L	0.00
41) Toluene-d8	7.91	98	749790	103.60	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	139062	100.68	ug/L	0.00
47) 2-Hexanone-d5	8.64	63	281810	232.22	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	386627	100.67	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	284662	99.92	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	267356	124.087	ug/L 98
3) Chloromethane	1.53	50	278149	110.605	ug/L 99
5) Vinyl chloride	1.61	62	276723	110.133	ug/L 98
6) Bromomethane	1.85	94	150501	113.338	ug/L 98
8) Chloroethane	1.94	64	164719	102.893	ug/L 100
9) Trichlorofluoromethane	2.14	101	353639	103.062	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	208472	96.487	ug/L 99
12) 1,1-Dichloroethene	2.59	96	200097	99.483	ug/L 91
13) Acetone	2.63	43	369117	179.385	ug/L 99
14) Carbon disulfide	2.80	76	662585	102.227	ug/L 100
15) Methyl Acetate	2.96	43	299445	95.303	ug/L 99
16) Methylene chloride	3.06	84	229894	96.888	ug/L 95
17) trans-1,2-Dichloroethene	3.37	96	207935	99.973	ug/L 98
18) Methyl tert-butyl Ether	3.38	73	687841	101.246	ug/L 99
19) 1,1-Dichloroethane	3.89	63	413881	95.516	ug/L 99
20) cis-1,2-Dichloroethene	4.68	96	228378	100.279	ug/L 97
22) 2-Butanone	4.72	43	476736	193.875	ug/L 100
23) Bromochloromethane	4.99	128	115763	97.156	ug/L 98
25) Chloroform	5.11	83	415602	94.893	ug/L 99
27) 1,2-Dichloroethane	5.81	62	343607	92.500	ug/L 99
29) Cyclohexane	5.41	56	391806	102.073	ug/L 98
30) 1,1,1-Trichloroethane	5.33	97	354448	97.387	ug/L 99
31) Carbon tetrachloride	5.54	117	307472	97.174	ug/L 98
33) Benzene	5.79	78	899193	97.880	ug/L 100
34) Trichloroethene	6.56	95	228559	97.108	ug/L 99
35) Methylcyclohexane	6.77	83	366816	101.888	ug/L 99
37) 1,2-Dichloropropane	6.80	63	244890	94.938	ug/L 99
38) Bromodichloromethane	7.11	83	316662	96.688	ug/L 99
39) cis-1,3-Dichloropropene	7.62	75	381820	102.865	ug/L 98
40) 4-Methyl-2-pentanone	7.80	43	821155	199.251	ug/L 100

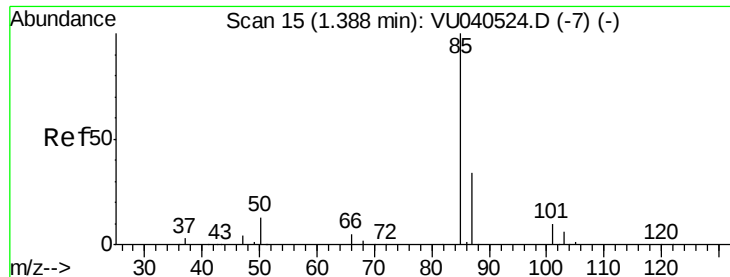
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100620\
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 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 07:29:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	936075	100.688	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	381408	101.306	ug/L	100
45) 1,1,2-Trichloroethane	8.41	97	216421	95.954	ug/L	98
46) Tetrachloroethene	8.56	164	165067	99.714	ug/L	95
48) 2-Hexanone	8.69	43	658090	199.325	ug/L	98
49) Dibromochloromethane	8.82	129	247120	100.482	ug/L	98
50) 1,2-Dibromoethane	8.93	107	236208	98.243	ug/L	97
51) Chlorobenzene	9.45	112	590448	95.891	ug/L	100
52) Ethylbenzene	9.57	91	1059910	102.476	ug/L	99
53) m,p-Xylene	9.70	106	397290	105.622	ug/L	97
54) o-xylene	10.10	106	382945	104.162	ug/L	99
55) Styrene	10.11	104	670452	106.163	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.78	83	385014	97.271	ug/L	98
59) Bromoform	10.29	173	176128	99.549	ug/L	100
60) 1,2,3-Trichloropropane	10.82	75	320073	94.031	ug/L	98
61) Isopropylbenzene	10.48	105	1013438	101.495	ug/L	100
62) 1,3,5-Trimethylbenzene	11.09	105	880055	107.624	ug/L	100
63) 1,2,4-Trimethylbenzene	11.47	105	892400	108.037	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	470298	98.779	ug/L	98
65) 1,4-Dichlorobenzene	11.83	146	475854	96.276	ug/L	99
67) 1,2-Dichlorobenzene	12.21	146	464714	97.973	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.99	75	95804	100.657	ug/L	97
69) 1,3,5-Trichlorobenzene	13.21	180	321232	104.389	ug/L	100
70) 1,2,4-trichlorobenzene	13.83	180	281418	106.477	ug/L	99
71) Naphthalene	14.08	128	936319	117.093	ug/L	100
72) 1,2,3-Trichlorobenzene	14.32	180	274280	106.891	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 124.087 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040525.D

Acq: 06 Oct 2020 13:57

Instrument :

MSVOA_U

ClientSampleId :

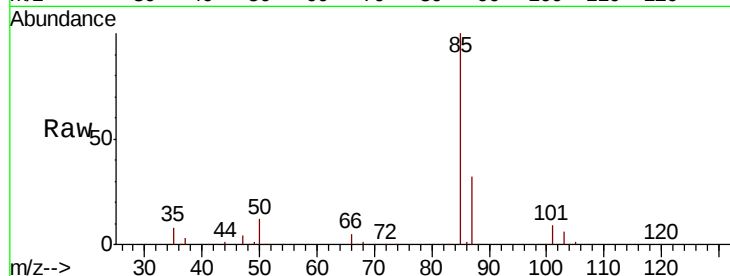
VSTD100205

Tot Ion: 85 Resp: 267356

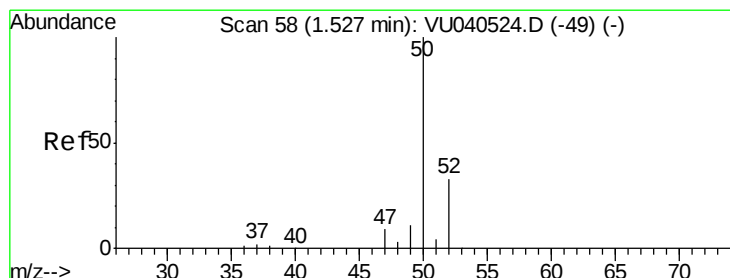
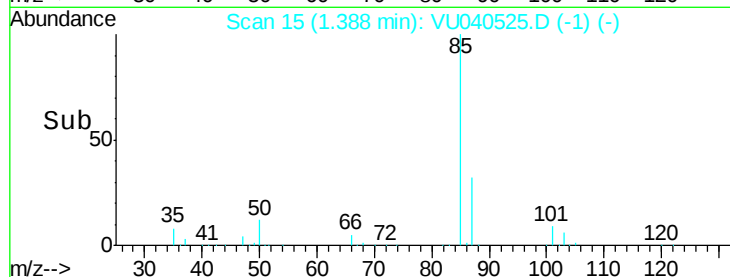
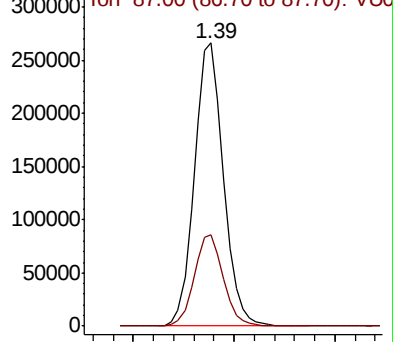
Ion Ratio Lower Upper

85 100

87 32.1 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VU040525.D (-1) (-)



#3

Chloromethane

Concen: 110.605 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040525.D

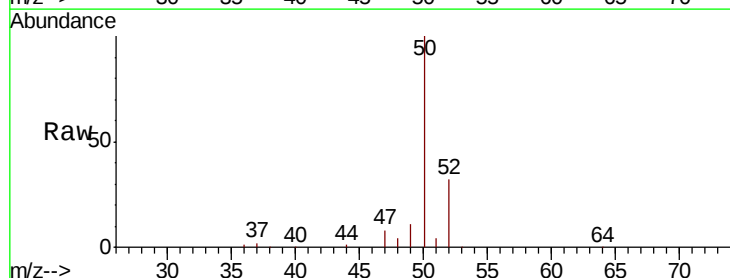
Acq: 06 Oct 2020 13:57

Tgt Ion: 50 Resp: 278149

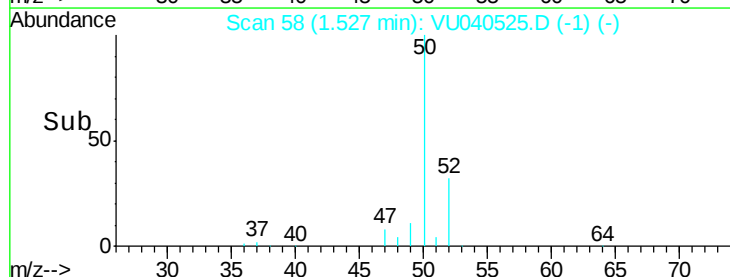
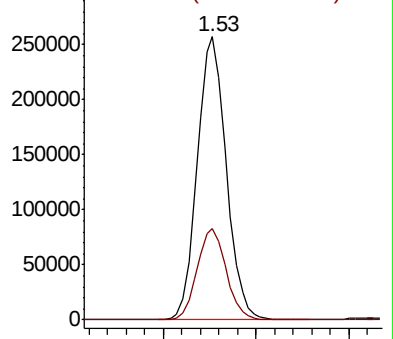
Ion Ratio Lower Upper

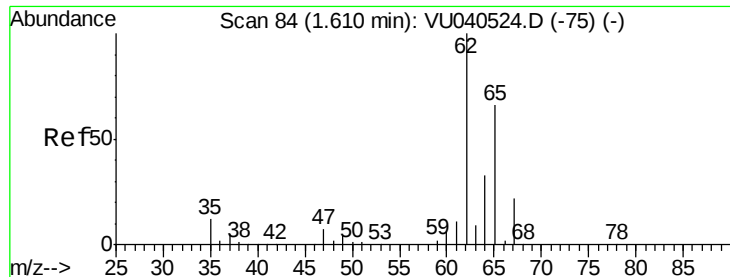
50 100

52 32.3 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU040525.D (-1) (-)





#5

Vinyl chloride

Concen: 110.133 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040525.D

Acq: 06 Oct 2020 13:57

Instrument :

MSVOA_U

ClientSampleId :

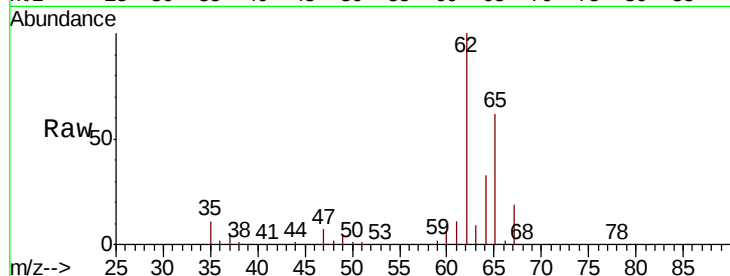
VSTD100205

Tot Ion: 62 Resp: 276723

Ion Ratio Lower Upper

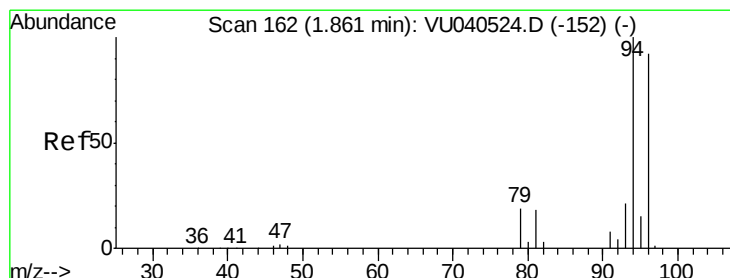
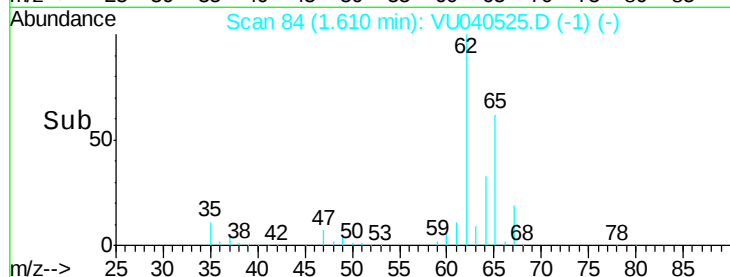
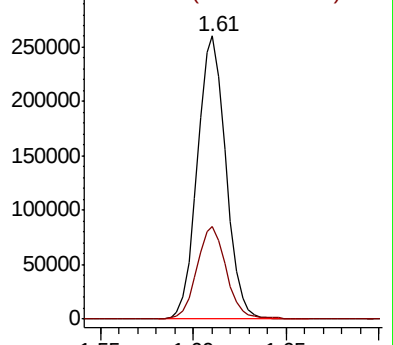
62 100

64 32.6 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 113.338 ug/L

RT: 1.85 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU040525.D

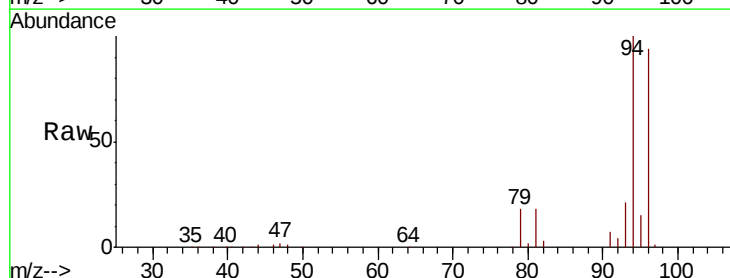
Acq: 06 Oct 2020 13:57

Tgt Ion: 94 Resp: 150501

Ion Ratio Lower Upper

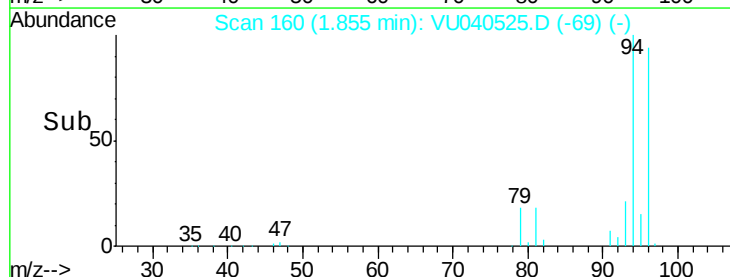
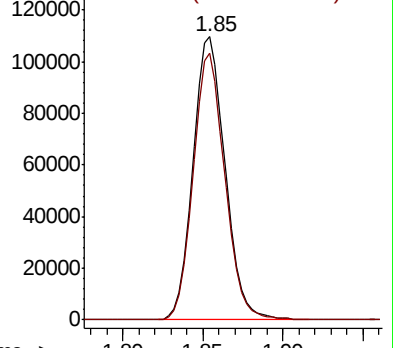
94 100

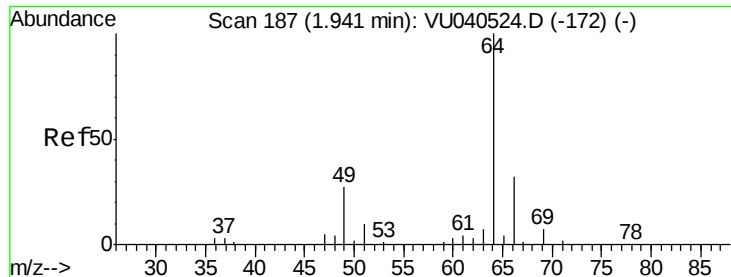
96 94.2 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 102.893 ug/L

RT: 1.94 min Scan# 185

Delta R.T. -0.01 min

Lab File: VU040525.D

Acq: 06 Oct 2020 13:57

Instrument :

MSVOA_U

ClientSampleId :

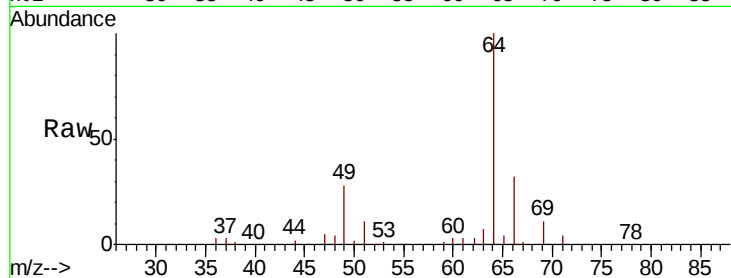
VSTD100205

Tot Ion: 64 Resp: 164719

Ion Ratio Lower Upper

64 100

66 32.2 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VU040524.D (-172) (-)

Ion 66.00 (65.70 to 66.70): VU040524.D (-172) (-)

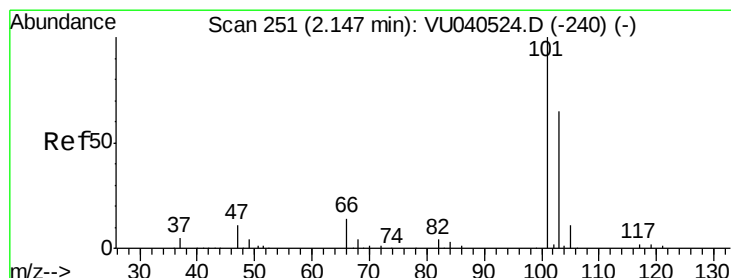
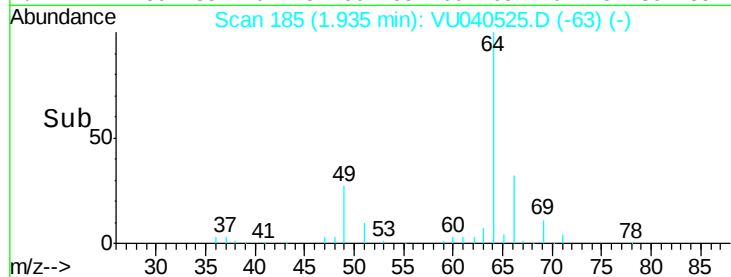
1.94

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 103.062 ug/L

RT: 2.14 min Scan# 250

Delta R.T. -0.00 min

Lab File: VU040525.D

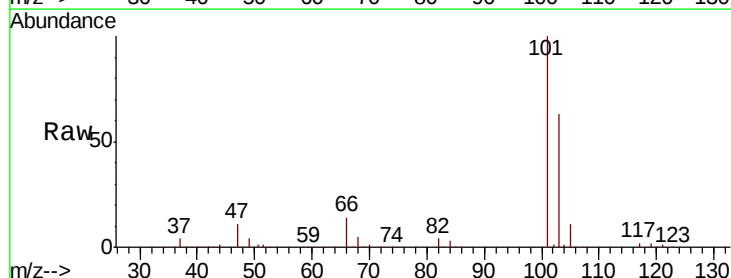
Acq: 06 Oct 2020 13:57

Tgt Ion: 101 Resp: 353639

Ion Ratio Lower Upper

101 100

103 63.8 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): VU040524.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU040524.D (-240) (-)

2.14

250000

200000

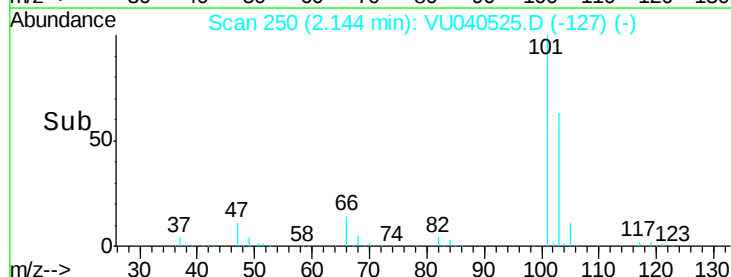
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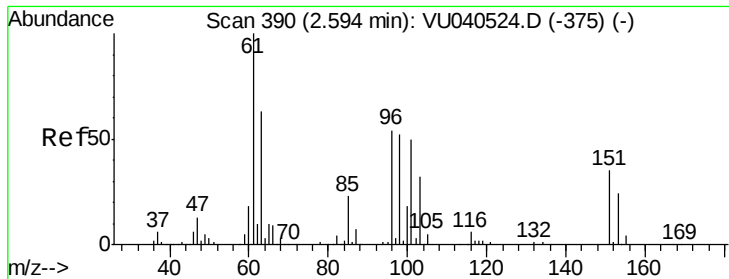
100000

50000

0

Time-->





#10

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

Concen: 96.487 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040525.D

Acq: 06 Oct 2020 13:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD100205

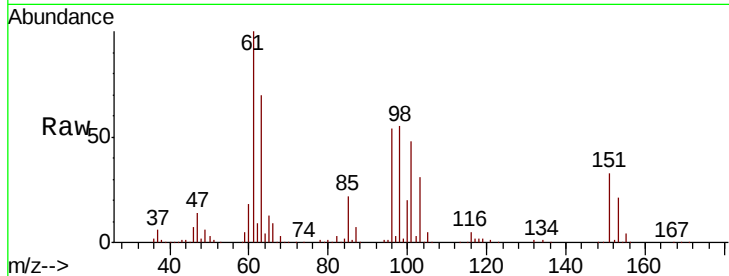
Tot Ion:101 Resp: 208472

Ion Ratio Lower Upper

101 100

85 45.0 35.4 53.2

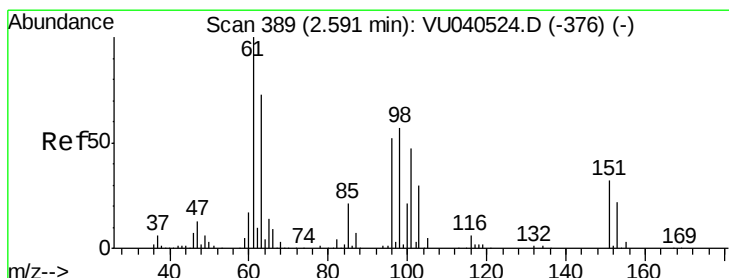
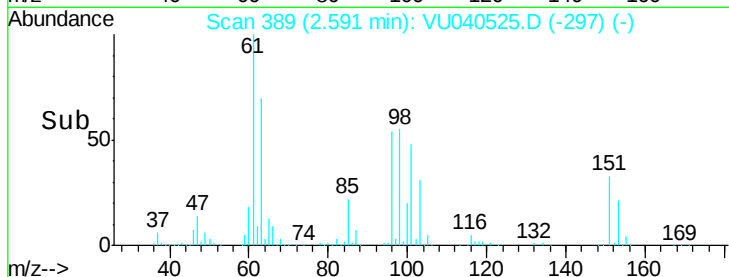
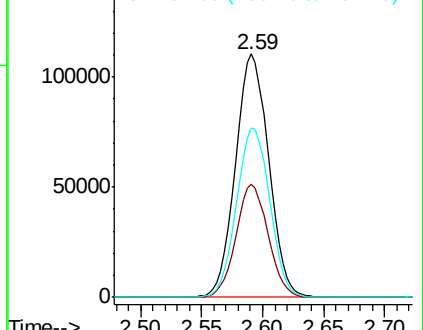
151 69.7 54.8 82.2



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: 99.483 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040525.D

Acq: 06 Oct 2020 13:57

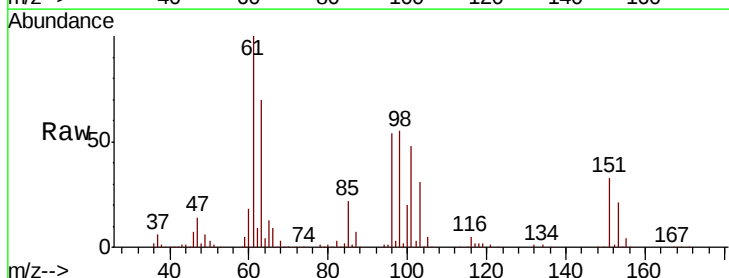
Tgt Ion: 96 Resp: 200097

Ion Ratio Lower Upper

96 100

61 184.3 135.0 250.8

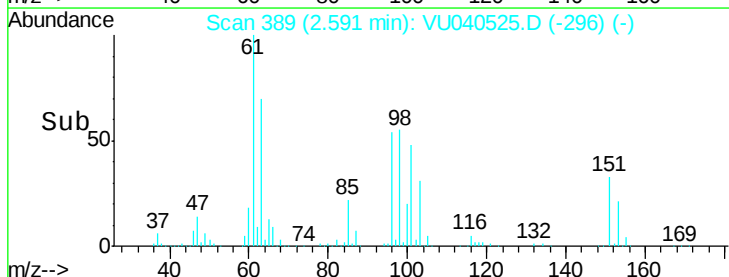
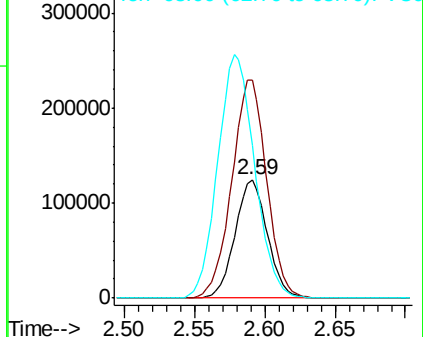
63 129.2 101.4 188.2

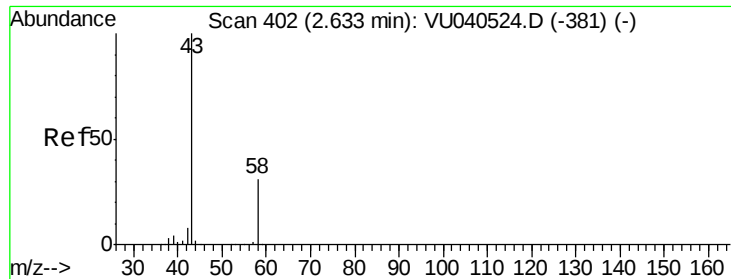


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 179.385 ug/L

RT: 2.63 min Scan# 402

Delta R.T. 0.00 min

Lab File: VU040525.D

Acq: 06 Oct 2020 13:57

Instrument :

MSVOA_U

ClientSampleId :

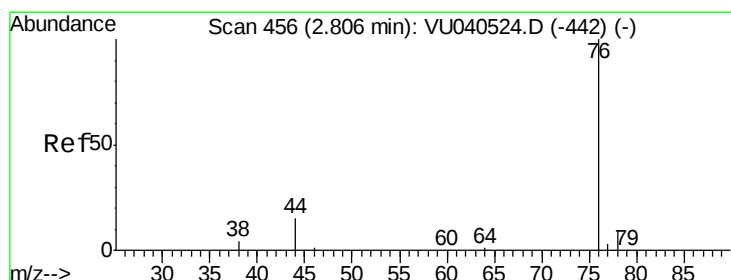
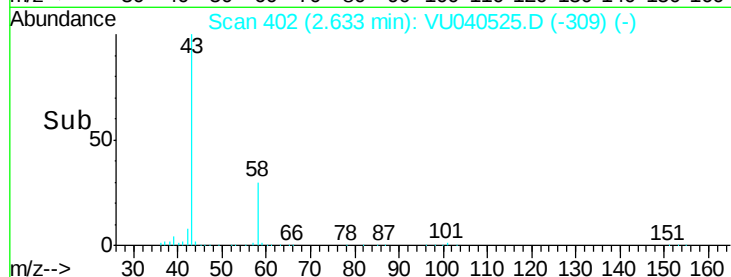
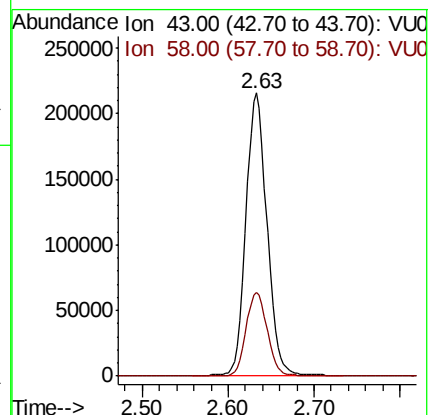
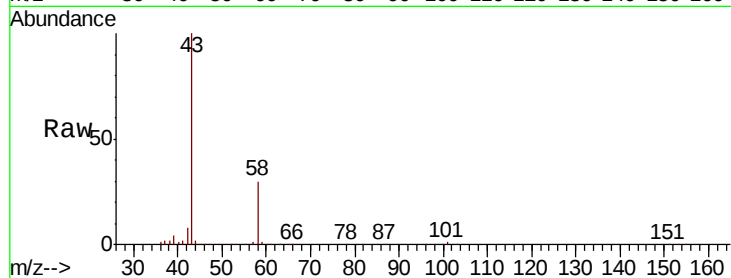
VSTD100205

Tot Ion: 43 Resp: 369117

Ion Ratio Lower Upper

43 100

58 29.7 0.0 60.2



#14

Carbon disulfide

Concen: 102.227 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU040525.D

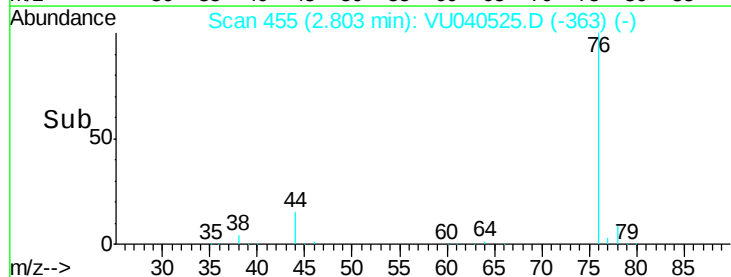
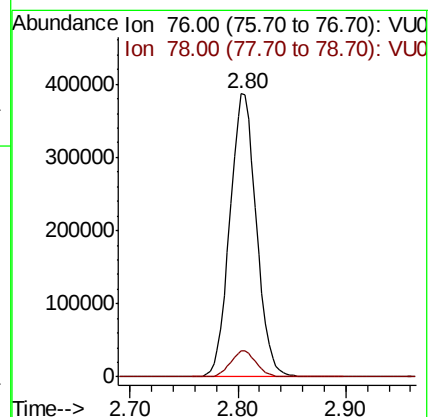
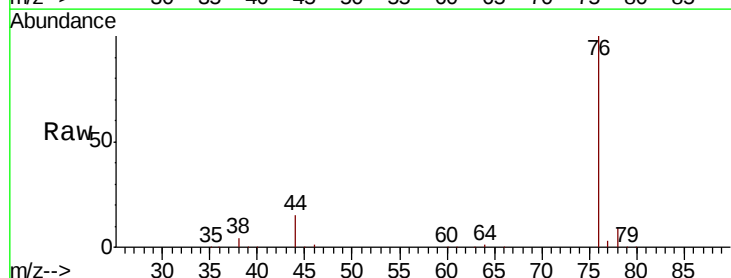
Acq: 06 Oct 2020 13:57

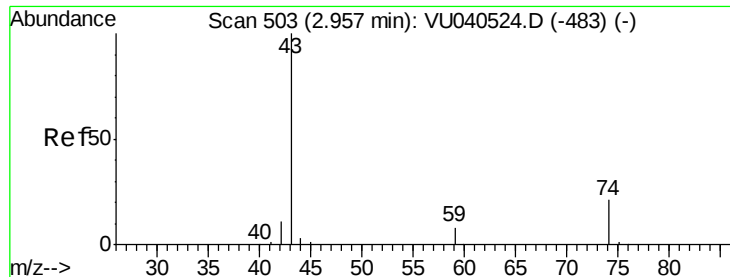
Tgt Ion: 76 Resp: 662585

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

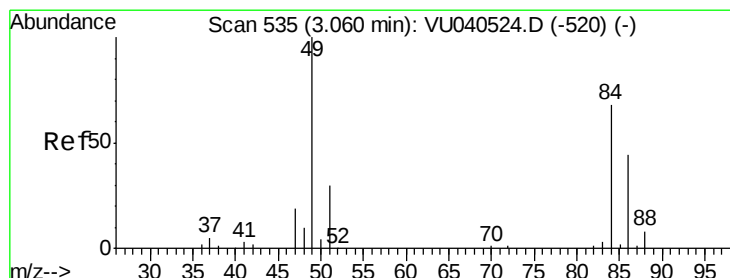
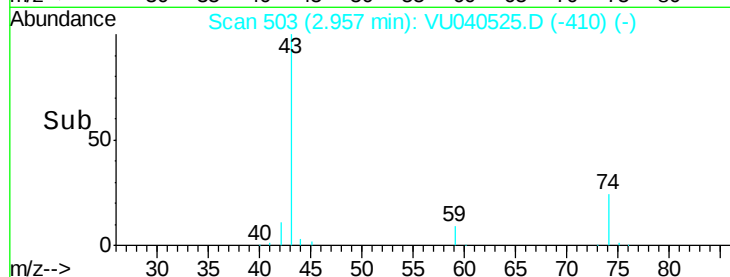
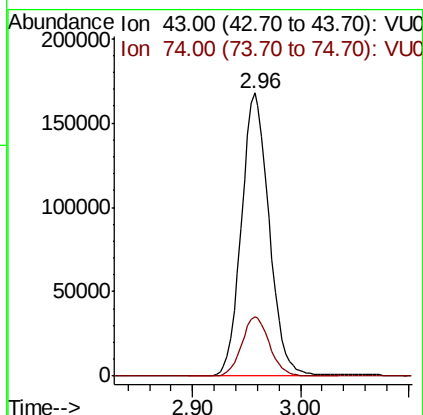
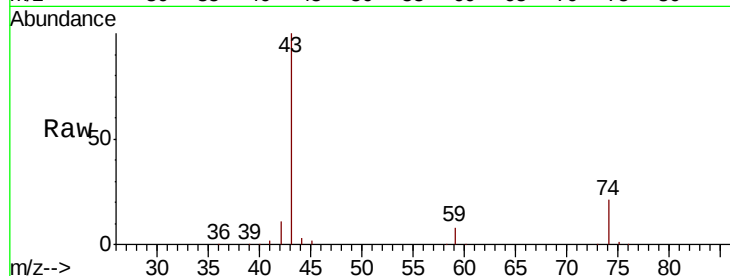




#15
Methvl Acetate
Concen: 95.303 ug/L
RT: 2.96 min Scan# 503
Delta R.T. 0.00 min
Lab File: VU040525.D
Acq: 06 Oct 2020 13:57

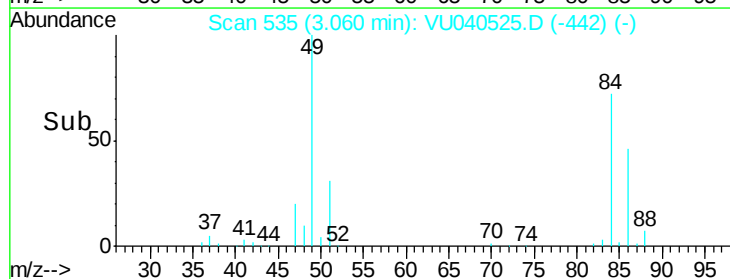
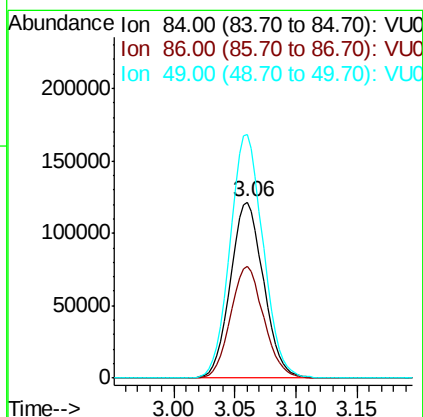
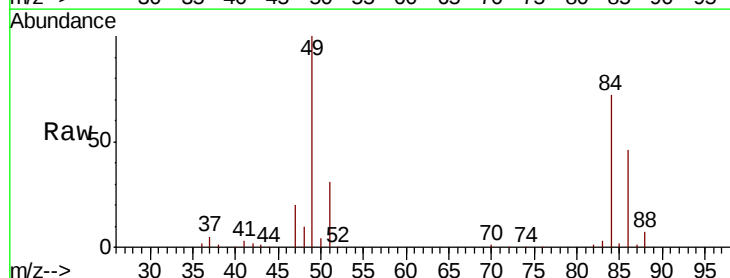
Instrument :
MSVOA_U
ClientSampleId :
VSTD100205

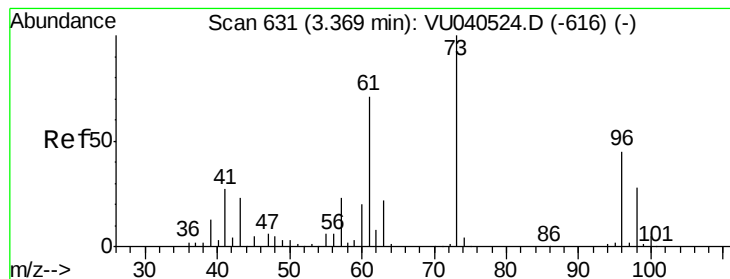
Tot Ion: 43 Resp: 299445
Ion Ratio Lower Upper
43 100
74 21.0 16.4 24.6



#16
Methylene chloride
Concen: 96.888 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040525.D
Acq: 06 Oct 2020 13:57

Tgt Ion: 84 Resp: 229894
Ion Ratio Lower Upper
84 100
86 63.8 45.4 84.4
49 138.4 102.9 191.1





#17

trans-1,2-Dichloroethene

Concen: 99.973 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU040525.D

Acq: 06 Oct 2020 13:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD100205

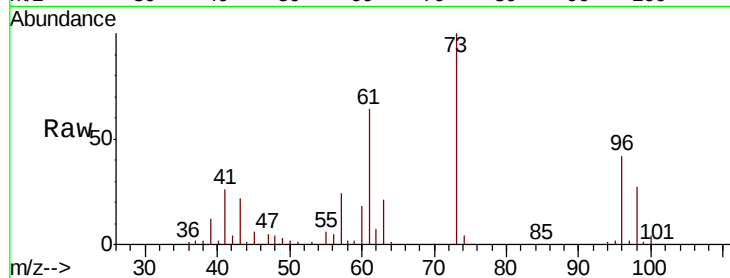
Tot Ion: 96 Resp: 207935

Ion Ratio Lower Upper

96 100

61 153.4 109.6 203.6

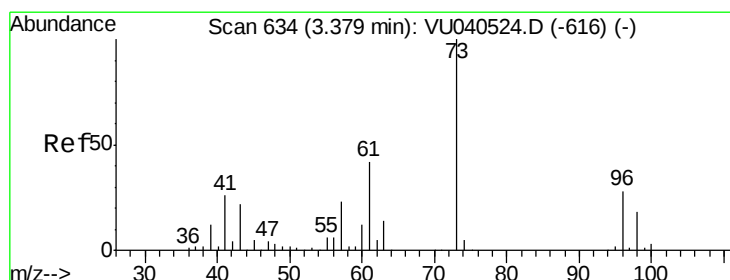
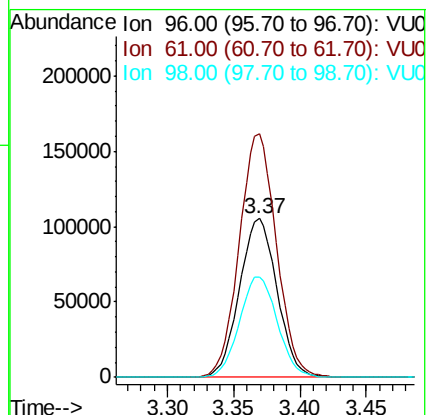
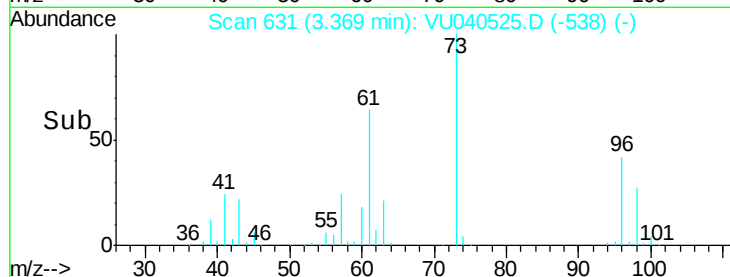
98 63.6 43.3 80.3



Abundance Ion 96.00 (95.70 to 96.70): VU040525.D (-538) (-)

Ion 61.00 (60.70 to 61.70): VU040525.D (-538) (-)

Ion 98.00 (97.70 to 98.70): VU040525.D (-538) (-)



#18

Methyl tert-butyl Ether

Concen: 101.246 ug/L

RT: 3.38 min Scan# 634

Delta R.T. 0.00 min

Lab File: VU040525.D

Acq: 06 Oct 2020 13:57

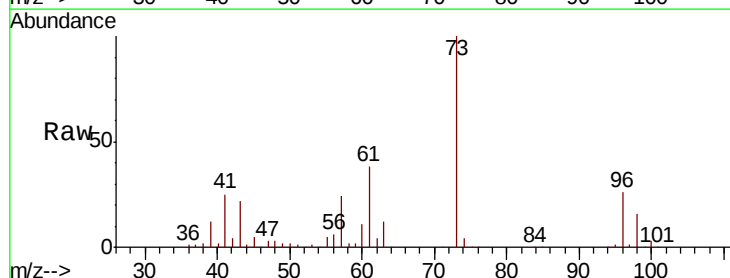
Tgt Ion: 73 Resp: 687841

Ion Ratio Lower Upper

73 100

43 22.5 18.2 27.2

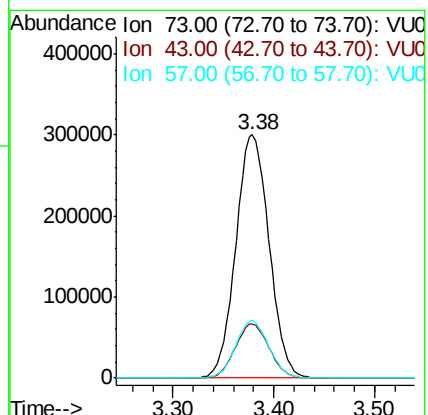
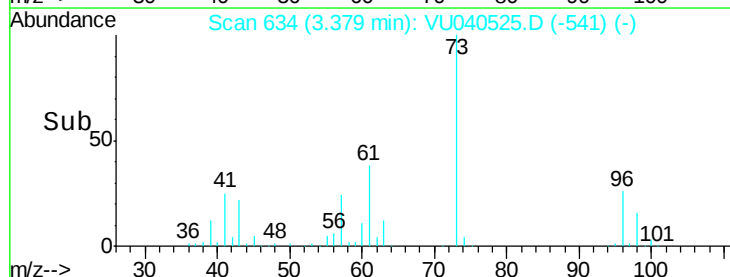
57 23.5 18.5 27.7

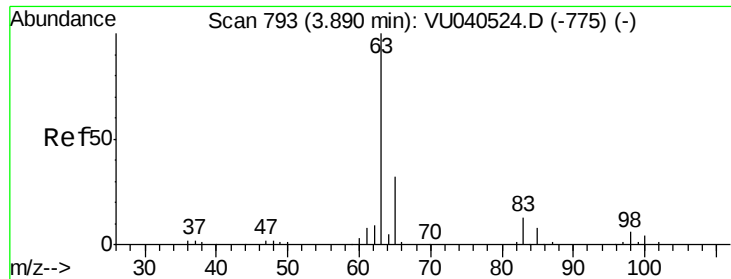


Abundance Ion 73.00 (72.70 to 73.70): VU040525.D (-541) (-)

Ion 43.00 (42.70 to 43.70): VU040525.D (-541) (-)

Ion 57.00 (56.70 to 57.70): VU040525.D (-541) (-)

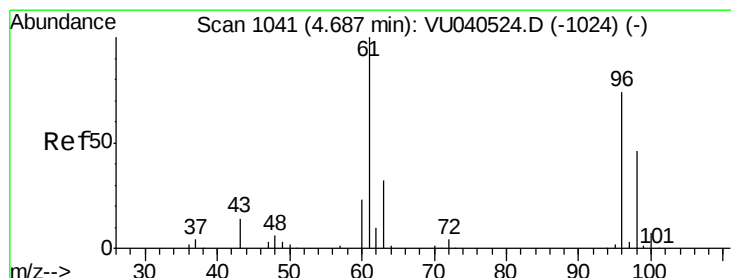
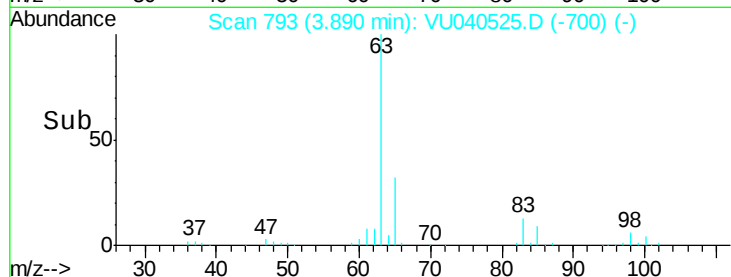
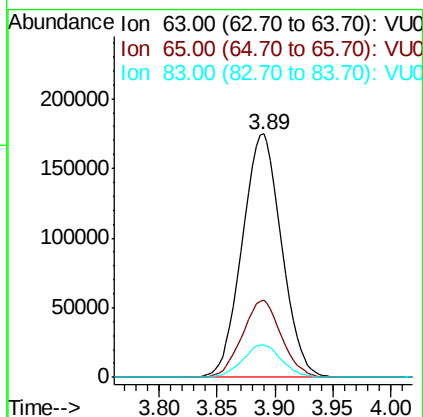
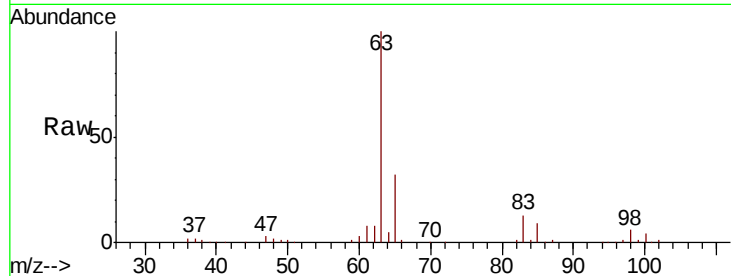




#19
 1,1-Dichloroethane
 Concen: 95.516 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040525.D
 Acq: 06 Oct 2020 13:57

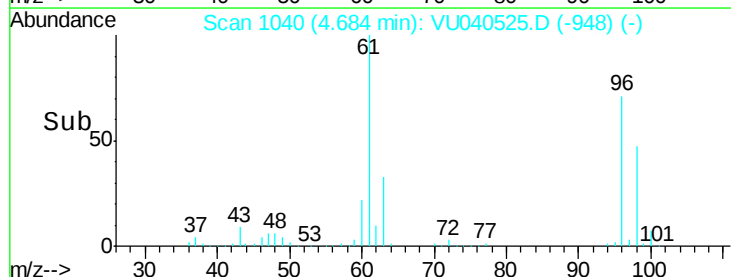
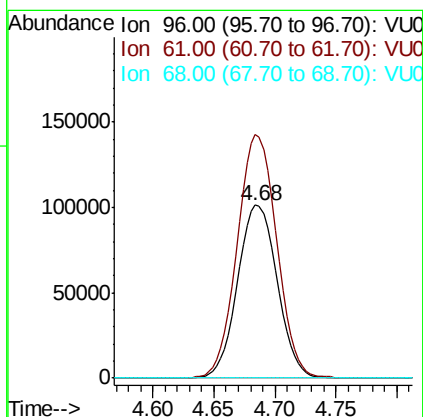
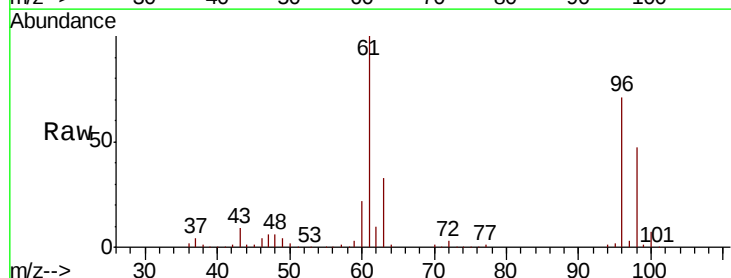
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100205

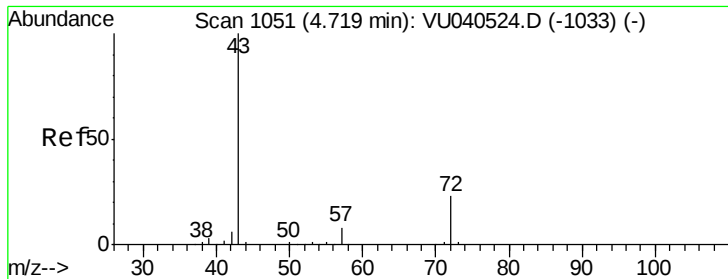
Tot Ion: 63 Resp: 413881
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.6 42.0
 83 13.1 9.1 16.9



#20
 cis-1,2-Dichloroethene
 Concen: 100.279 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU040525.D
 Acq: 06 Oct 2020 13:57

Tgt Ion: 96 Resp: 228378
 Ion Ratio Lower Upper
 96 100
 61 140.7 95.7 177.7
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 193.875 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU040525.D

Acq: 06 Oct 2020 13:57

Instrument :

MSVOA_U

ClientSampleId :

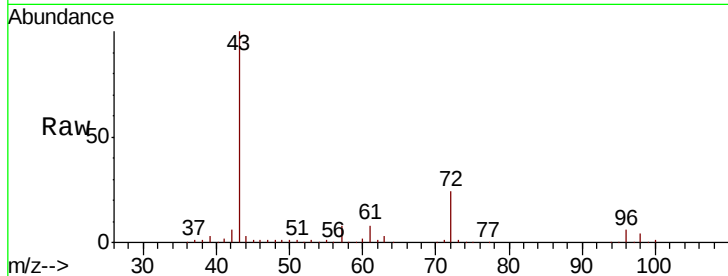
VSTD100205

Tot Ion: 43 Resp: 476736

Ion Ratio Lower Upper

43 100

72 24.0 11.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VU040525.D (-958) (-)

Ion 72.00 (71.70 to 72.70): VU040525.D (-958) (-)

250000

200000

150000

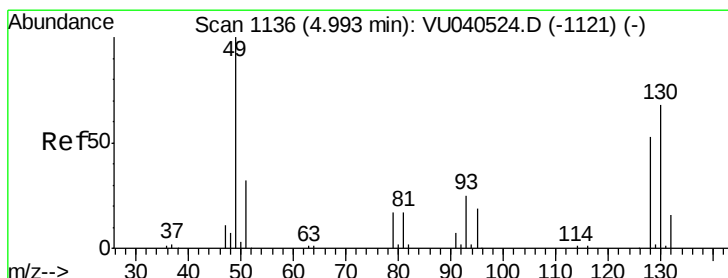
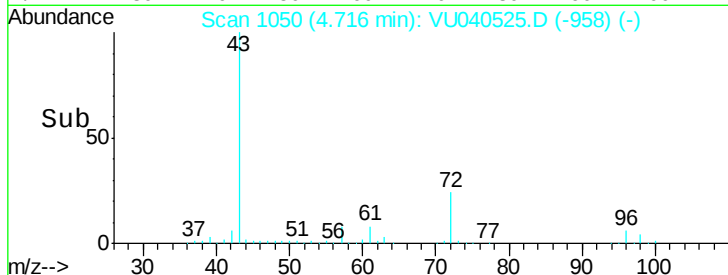
100000

50000

0

4.65 4.70 4.75 4.80

Time-->



#23

Bromochloromethane

Concen: 97.156 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040525.D

Acq: 06 Oct 2020 13:57

Tgt Ion: 128 Resp: 115763

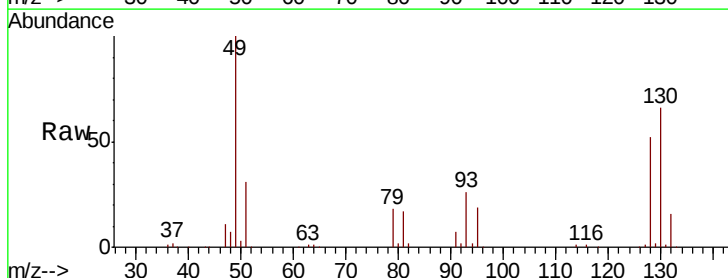
Ion Ratio Lower Upper

128 100

49 192.3 133.1 247.3

130 126.4 90.5 168.1

51 59.0 48.4 72.6



Abundance Ion 128.00 (127.70 to 128.70): VU040525.D (-1043) (-)

Ion 49.00 (48.70 to 49.70): VU040525.D (-1043) (-)

Ion 130.00 (129.70 to 130.70): VU040525.D (-1043) (-)

Ion 51.00 (50.70 to 51.70): VU040525.D (-1043) (-)

150000

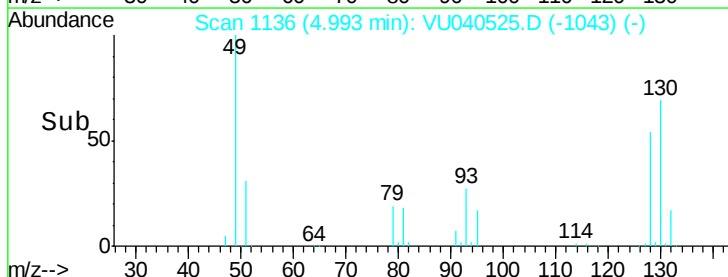
100000

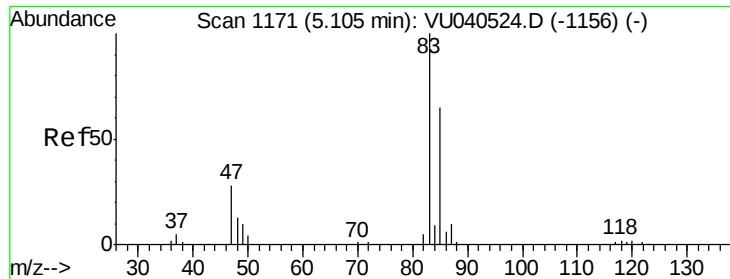
50000

0

4.90 4.95 5.00 5.05

Time-->

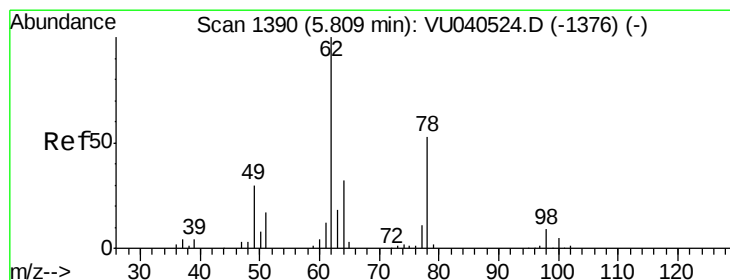
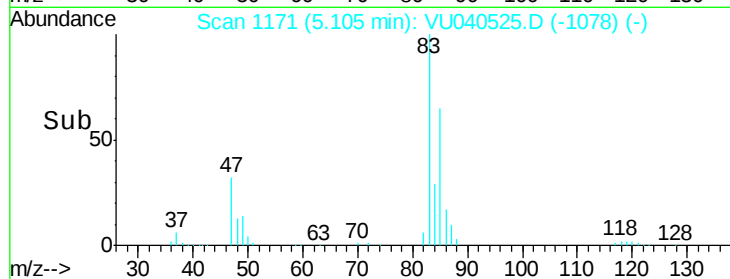
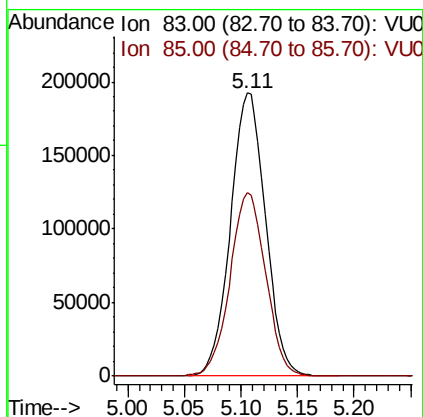
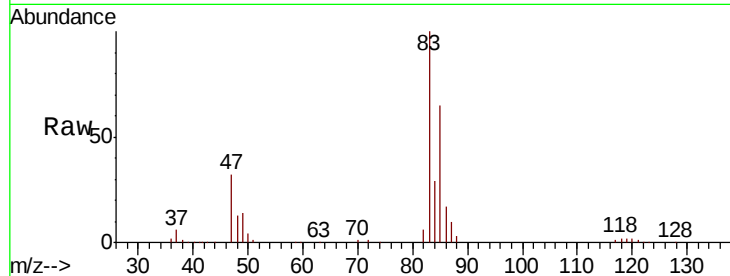




#25
Chloroform
Concen: 94.893 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040525.D
Acq: 06 Oct 2020 13:57

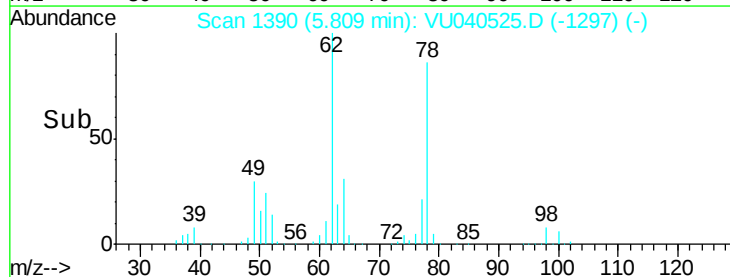
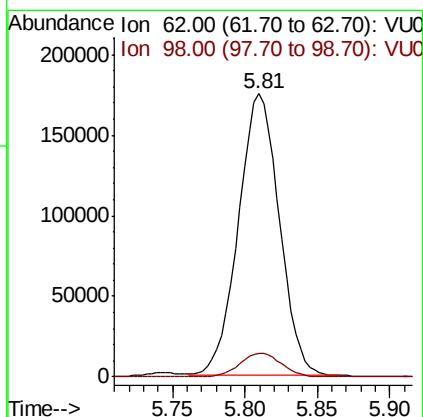
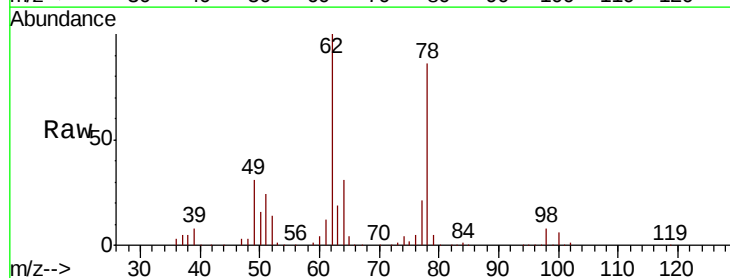
Instrument :
MSVOA_U
ClientSampleId :
VSTD100205

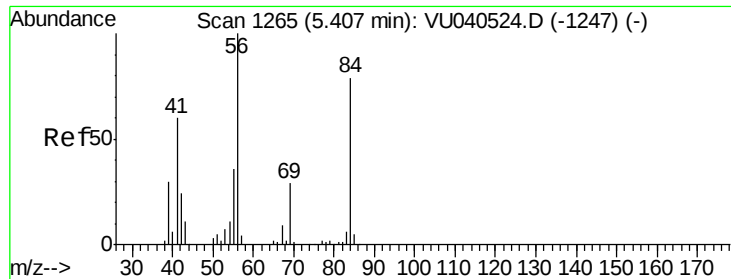
Tot Ion: 83 Resp: 415602
Ion Ratio Lower Upper
83 100
85 64.7 45.6 84.8



#27
1,2-Dichloroethane
Concen: 92.500 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040525.D
Acq: 06 Oct 2020 13:57

Tgt Ion: 62 Resp: 343607
Ion Ratio Lower Upper
62 100
98 8.4 7.1 10.7

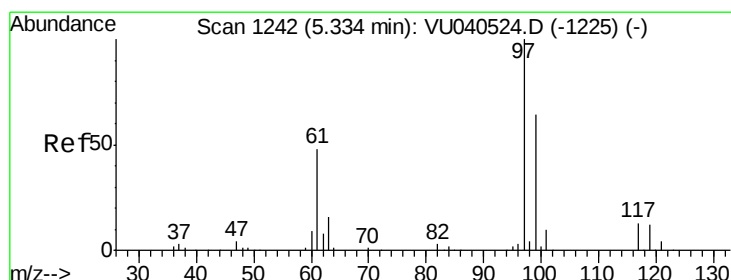
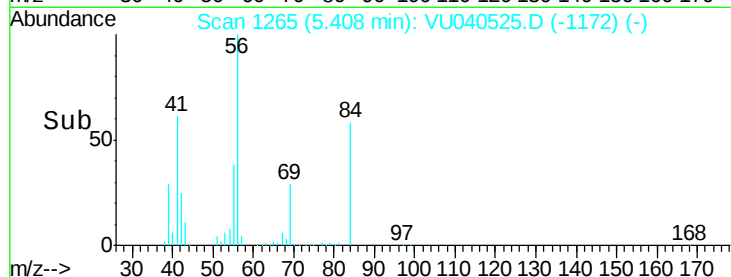
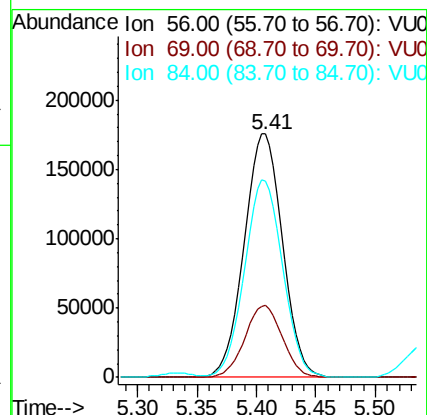
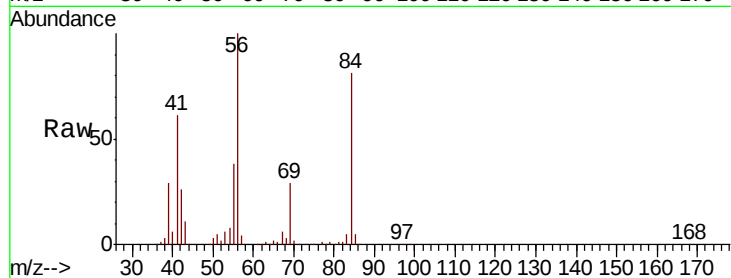




#29
Cyclohexane
Concen: 102.073 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU040525.D
Acq: 06 Oct 2020 13:57

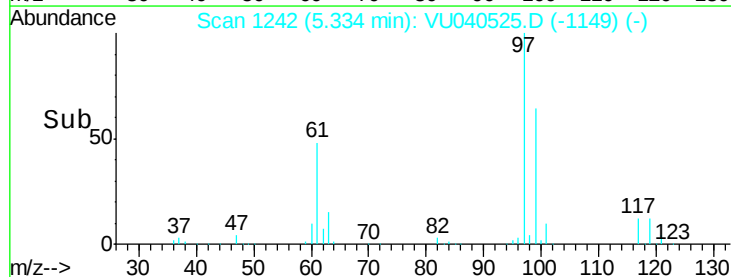
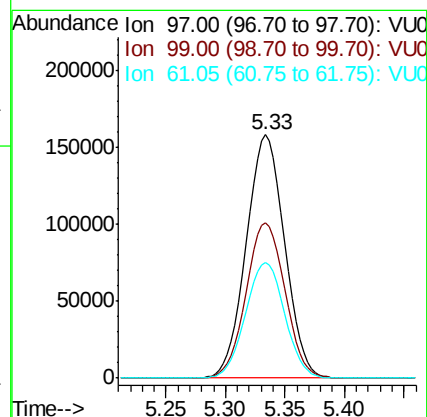
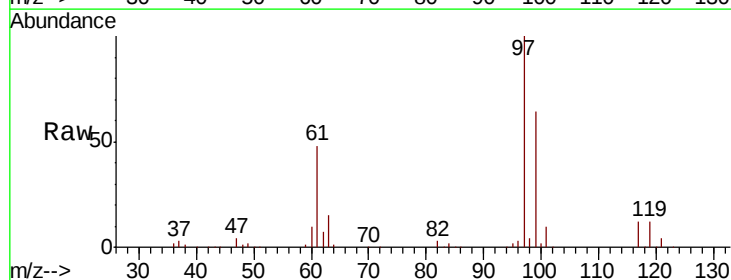
Instrument :
MSVOA_U
ClientSampleId :
VSTD100205

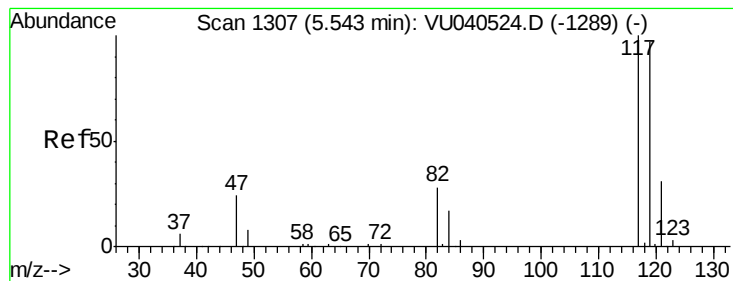
Tot Ion: 56 Resp: 391806
Ion Ratio Lower Upper
56 100
69 28.9 22.6 34.0
84 80.6 63.1 94.7



#30
1,1,1-Trichloroethane
Concen: 97.387 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU040525.D
Acq: 06 Oct 2020 13:57

Tgt Ion: 97 Resp: 354448
Ion Ratio Lower Upper
97 100
99 64.6 51.0 76.6
61 48.5 39.4 59.2





#31

Carbon tetrachloride

Concen: 97.174 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040525.D

Acq: 06 Oct 2020 13:57

Instrument :

MSVOA_U

ClientSampleId :

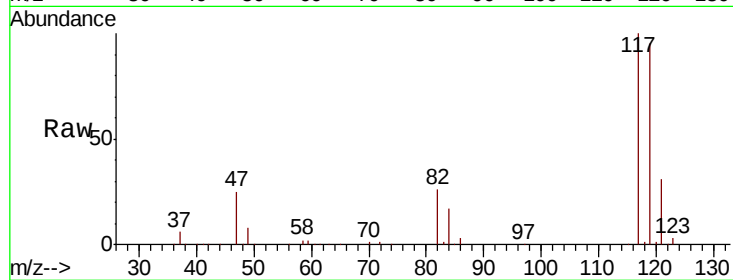
VSTD100205

Tot Ion:117 Resp: 307472

Ion Ratio Lower Upper

117 100

119 96.3 75.8 113.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

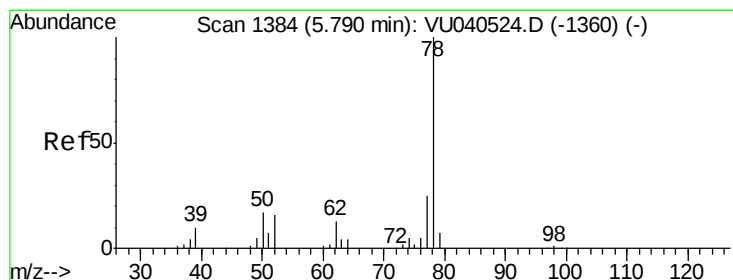
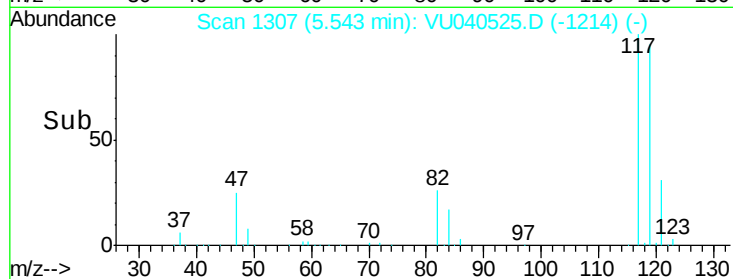
100000

50000

0

5.45 5.50 5.55 5.60 5.65

Time-->



#33

Benzene

Concen: 97.880 ug/L

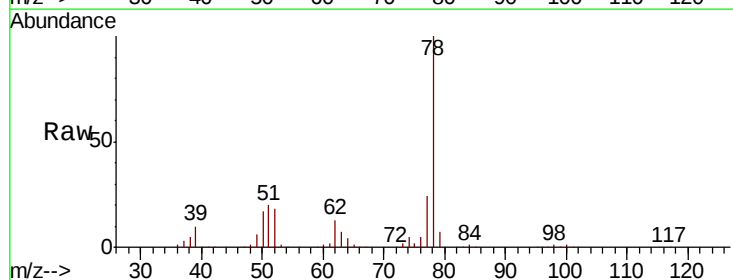
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040525.D

Acq: 06 Oct 2020 13:57

Tgt Ion: 78 Resp: 899193



Abundance Ion 78.00 (77.70 to 78.70): VU0

500000

400000

300000

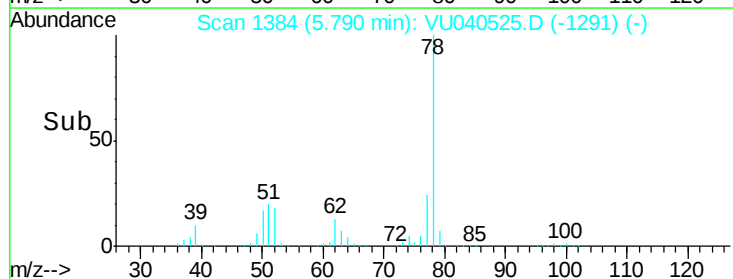
200000

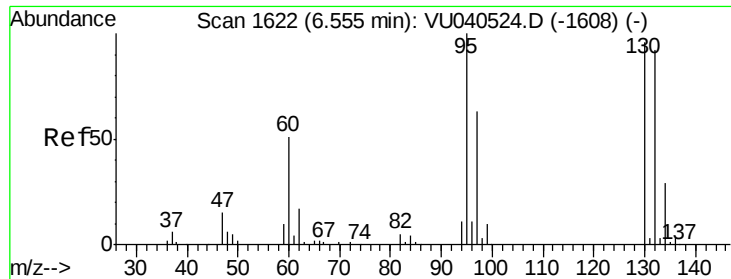
100000

0

5.70 5.80 5.90

Time-->

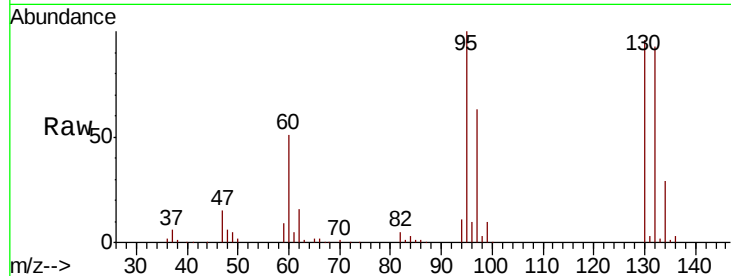




#34
 Trichloroethene
 Concen: 97.108 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040525.D
 Acq: 06 Oct 2020 13:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100205

Tot Ion:	95	Resp:	228559
Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.3	82.3
132	92.8	64.2	119.2
130	95.6	67.3	125.1



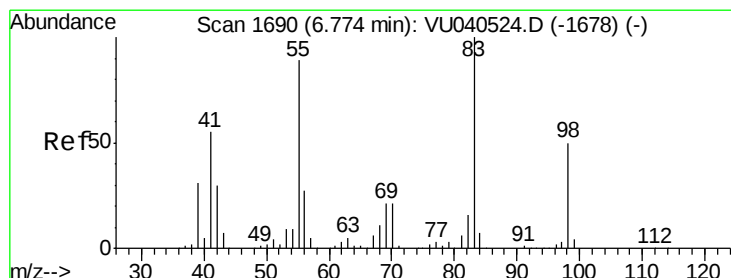
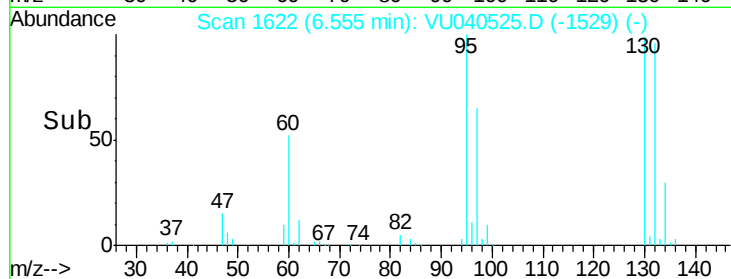
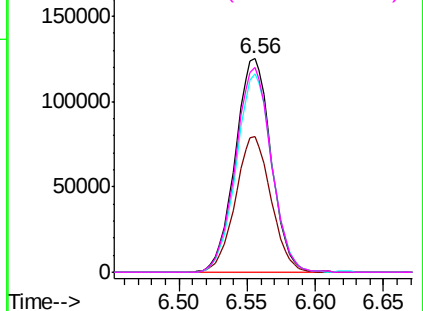
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

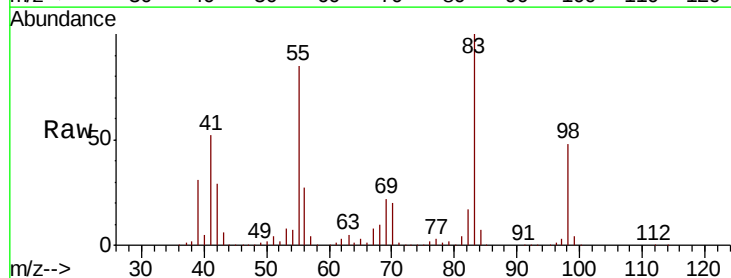
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35
 Methylcyclohexane
 Concen: 101.888 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040525.D
 Acq: 06 Oct 2020 13:57

Tgt Ion:	83	Resp:	366816
Ion	Ratio	Lower	Upper
83	100		
55	86.2	69.8	104.8
98	48.5	39.1	58.7

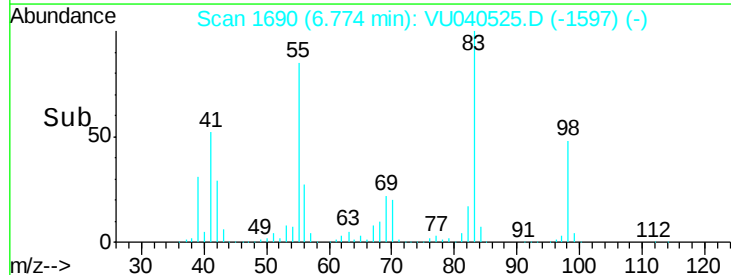
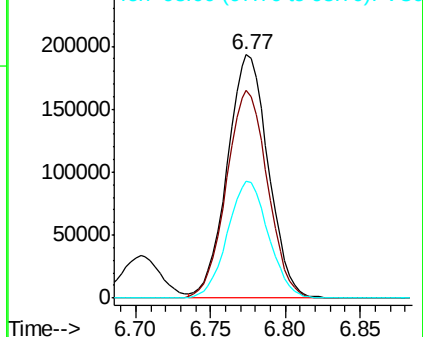


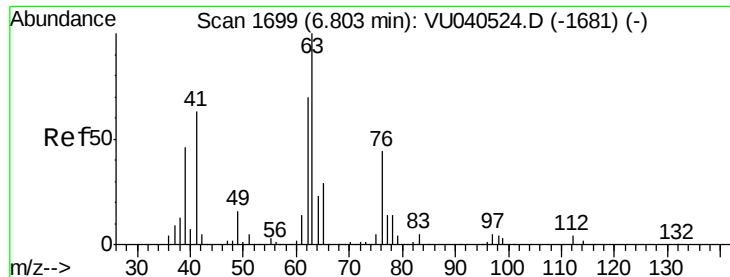
Abundance

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: 94.938 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU040525.D

Acq: 06 Oct 2020 13:57

Instrument :

MSVOA_U

ClientSampleId :

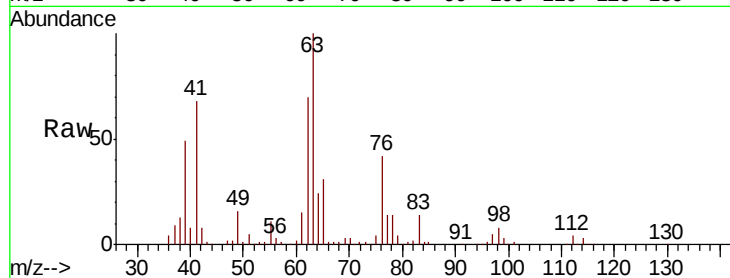
VSTD100205

Tot Ion: 63 Resp: 244890

Ion Ratio Lower Upper

63 100

112 4.1 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VU040525.D (-1606) (-)

Ion 112.00 (111.70 to 112.70): VU040525.D (-1606) (-)

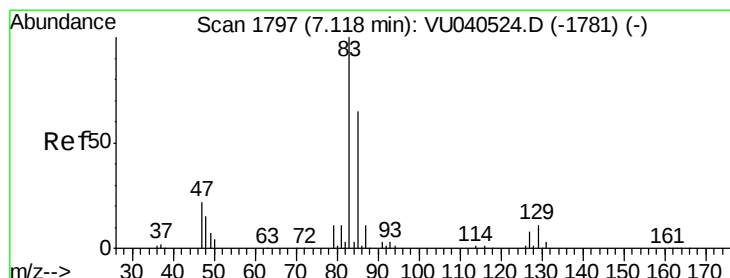
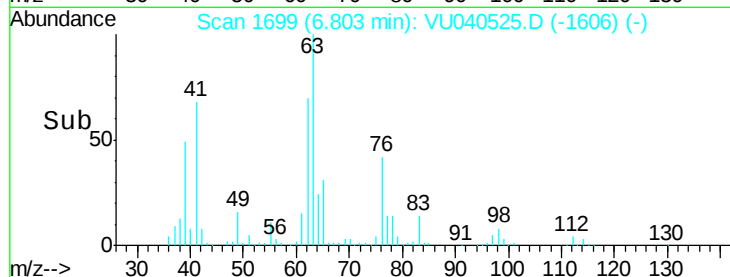
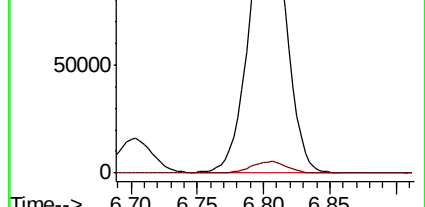
150000

100000

50000

0

6.70 6.75 6.80 6.85



#38

Bromodichloromethane

Concen: 96.688 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU040525.D

Acq: 06 Oct 2020 13:57

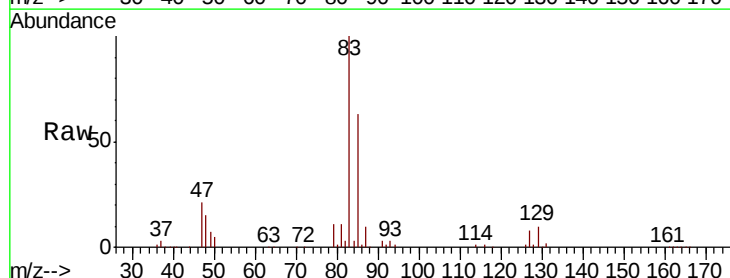
Tgt Ion: 83 Resp: 316662

Ion Ratio Lower Upper

83 100

85 63.3 45.2 84.0

127 8.4 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VU040525.D (-1704) (-)

Ion 85.00 (84.70 to 85.70): VU040525.D (-1704) (-)

Ion 127.00 (126.70 to 127.70): VU040525.D (-1704) (-)

200000

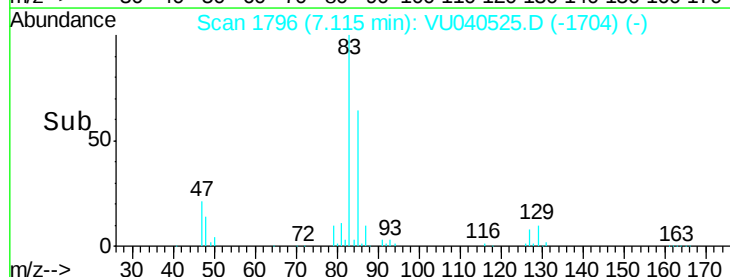
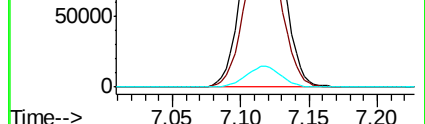
150000

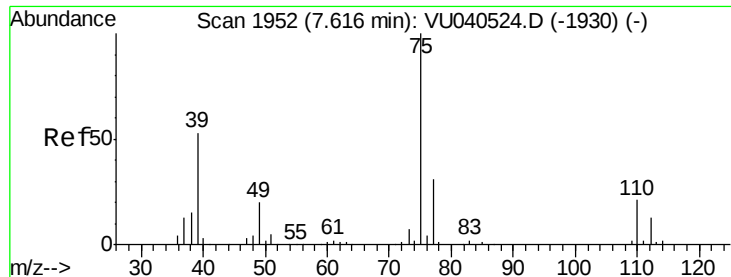
100000

50000

0

7.05 7.10 7.15 7.20

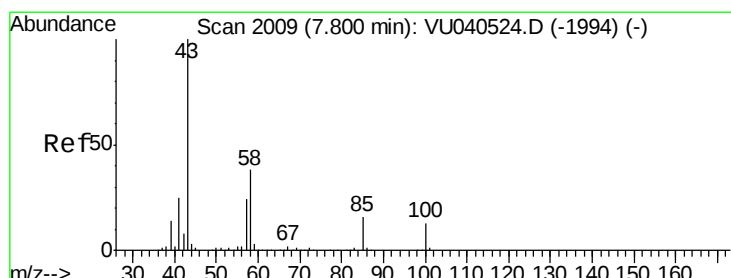
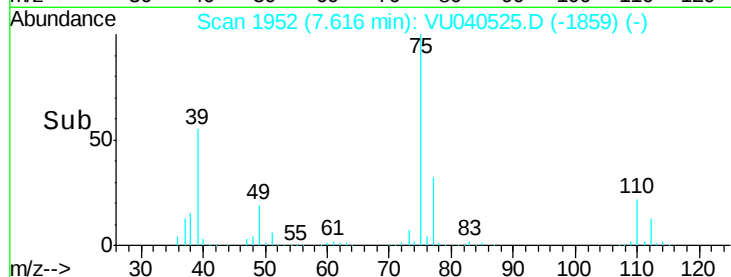
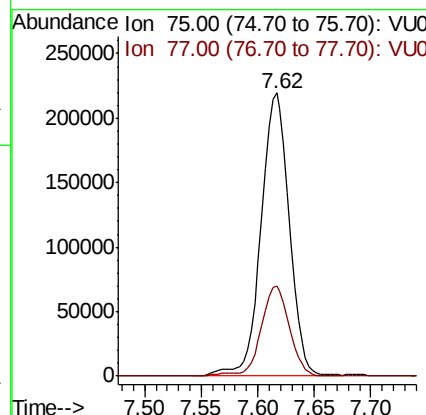
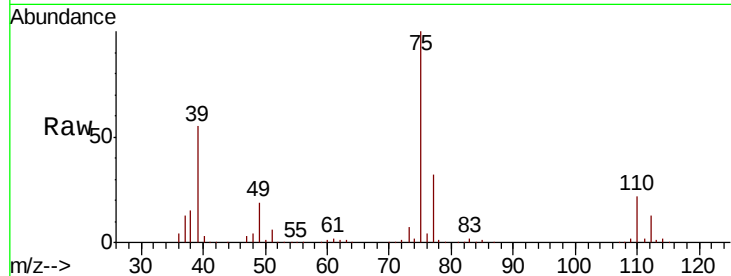




#39
 cis-1,3-Dichloropropene
 Concen: 102.865 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040525.D
 Acq: 06 Oct 2020 13:57

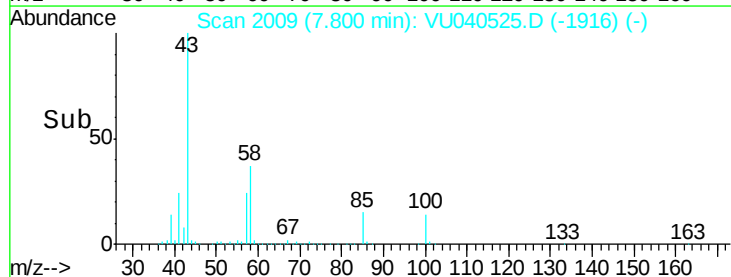
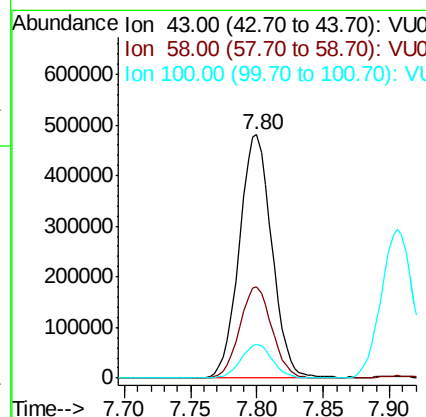
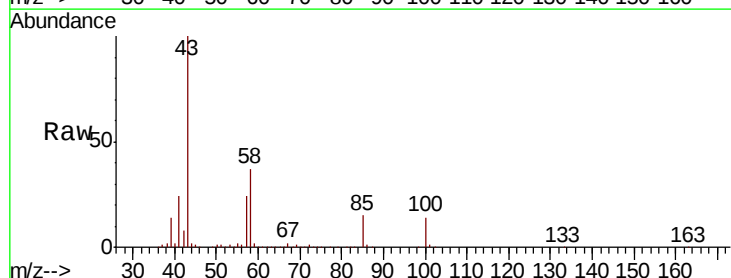
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100205

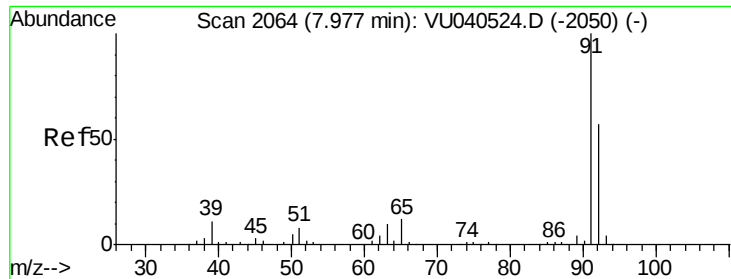
Tot Ion: 75 Resp: 381820
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 199.251 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040525.D
 Acq: 06 Oct 2020 13:57

Tgt Ion: 43 Resp: 821155
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.7 44.5
 100 13.4 10.5 15.7





#42

Toluene

Concen: 100.688 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040525.D

Acq: 06 Oct 2020 13:57

Instrument :

MSVOA_U

ClientSampleId :

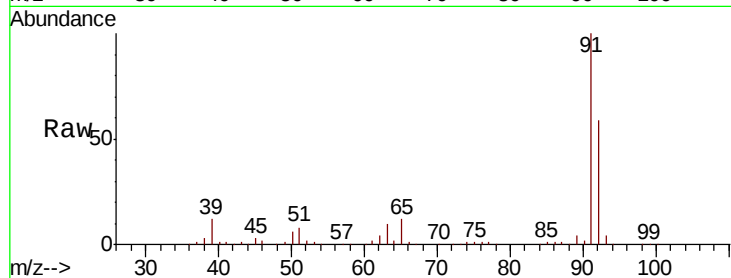
VSTD100205

Tot Ion: 91 Resp: 936075

Ion Ratio Lower Upper

91 100

92 58.8 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU040525.D (-1971) (-)

Ion 92.00 (91.70 to 92.70): VU040525.D (-1971) (-)

7.98

600000

500000

400000

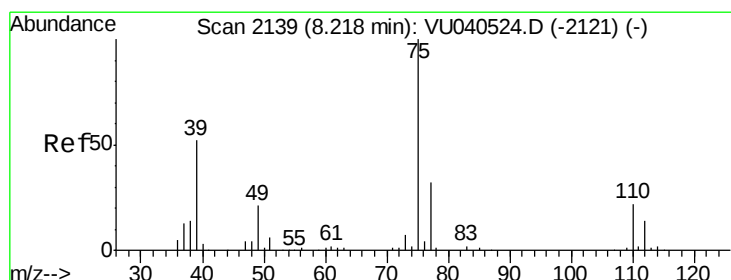
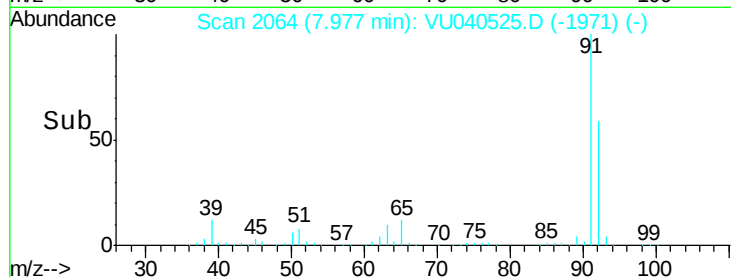
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 101.306 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040525.D

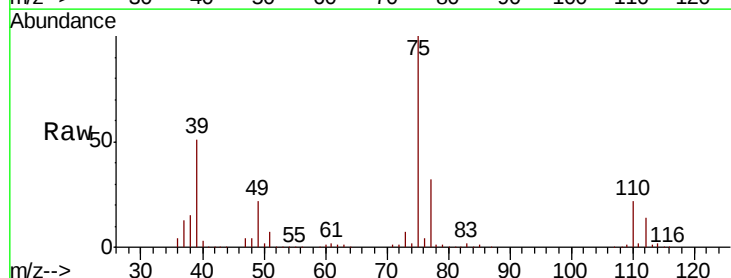
Acq: 06 Oct 2020 13:57

Tgt Ion: 75 Resp: 381408

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU040525.D (-2046) (-)

Ion 77.00 (76.70 to 77.70): VU040525.D (-2046) (-)

8.22

250000

200000

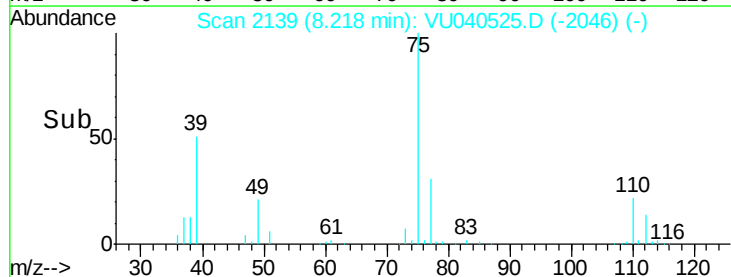
150000

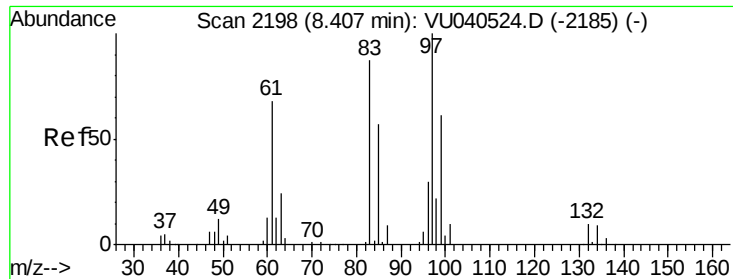
100000

50000

0

Time-->

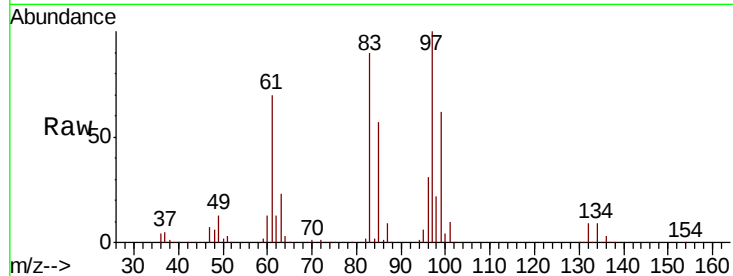




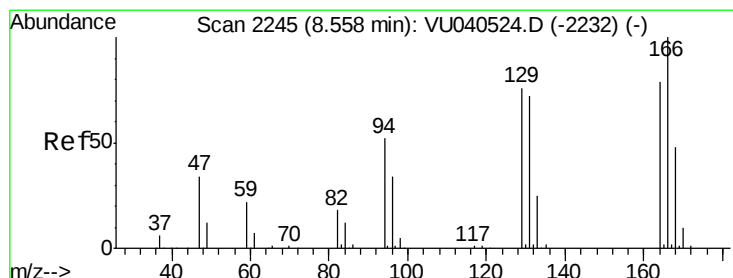
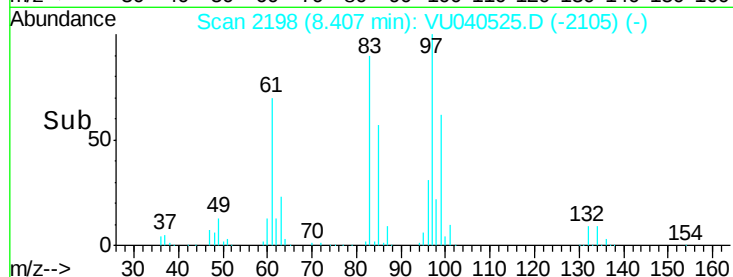
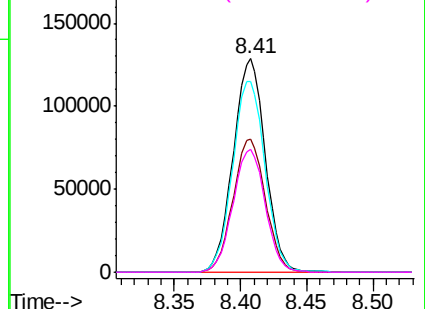
#45
 1,1,2-Trichloroethane
 Concen: 95.954 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU040525.D
 Acq: 06 Oct 2020 13:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100205

Tot Ion:	97	Resp:	216421
Ion	Ratio	Lower	Upper
97	100		
99	62.4	42.7	79.3
83	89.5	61.0	113.4
85	57.3	39.8	73.8

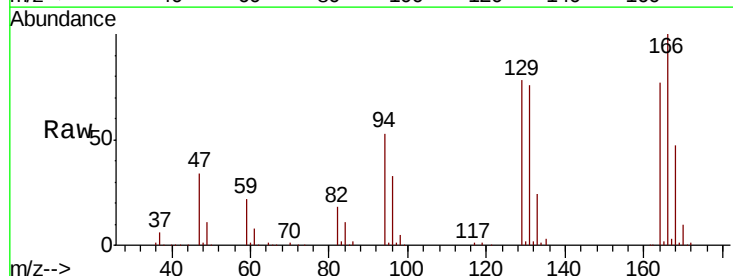


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

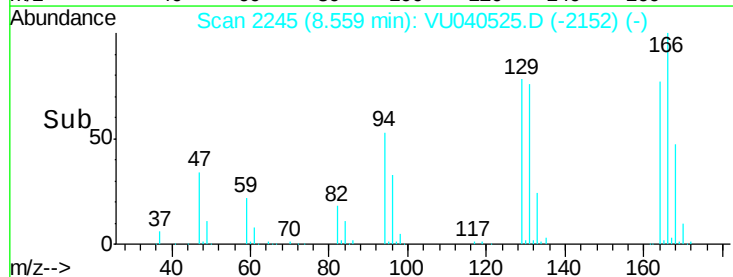
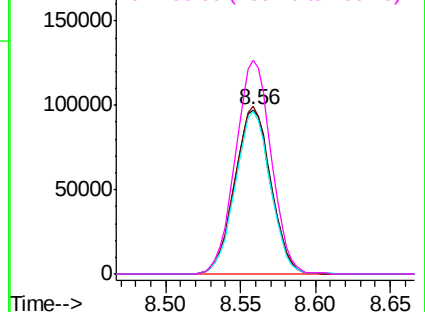


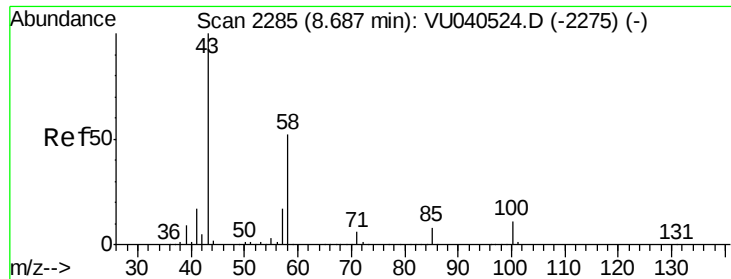
#46
 Tetrachloroethene
 Concen: 99.714 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040525.D
 Acq: 06 Oct 2020 13:57

Tgt Ion:	164	Resp:	165067
Ion	Ratio	Lower	Upper
164	100		
129	101.9	67.4	125.2
131	98.6	63.8	118.6
166	129.9	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

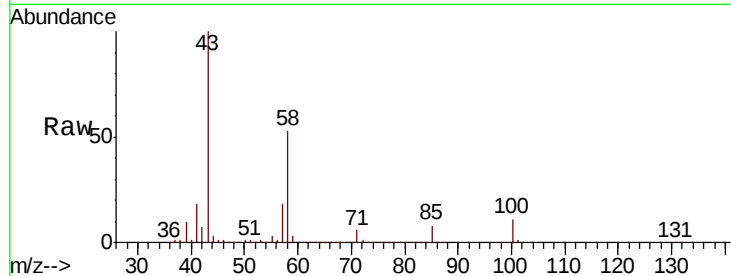




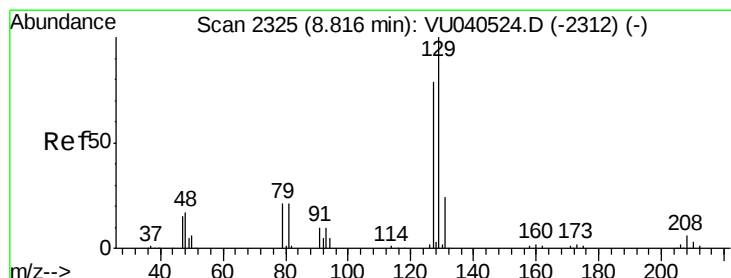
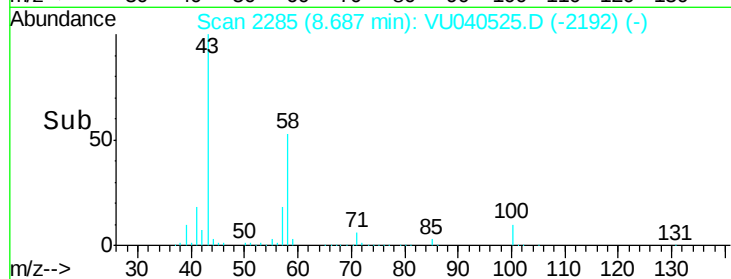
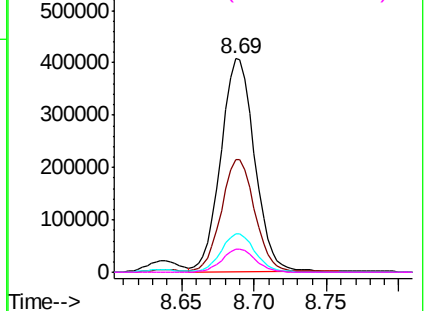
#48
2-Hexanone
Concen: 199.325 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VU040525.D
Acq: 06 Oct 2020 13:57

Instrument :
MSVOA_U
ClientSampleId :
VSTD100205

Tot Ion: 43 Resp: 658090
Ion Ratio Lower Upper
43 100
58 52.2 40.6 60.8
57 18.3 14.3 21.5
100 10.9 8.5 12.7

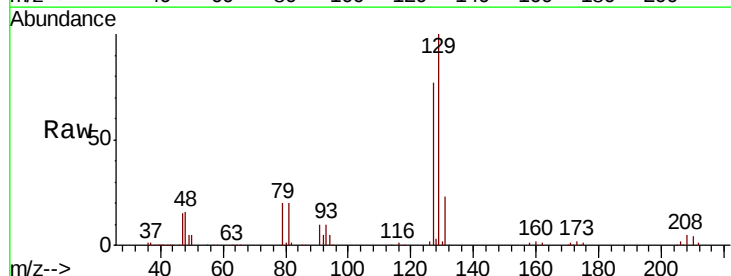


Abundance Ion 43.00 (42.70 to 43.70): VU040525.D (-2192) (-)
Ion 58.00 (57.70 to 58.70): VU040525.D (-2192) (-)
Ion 57.00 (56.70 to 57.70): VU040525.D (-2192) (-)
Ion 100.00 (99.70 to 100.70): VU040525.D (-2192) (-)

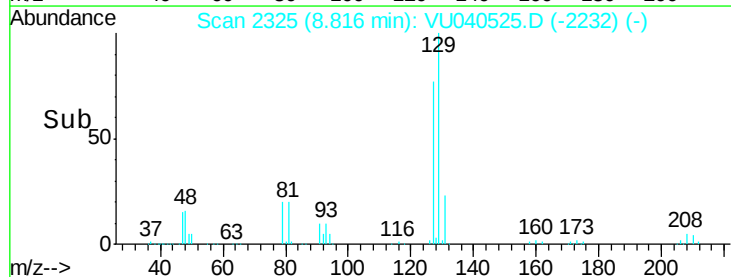
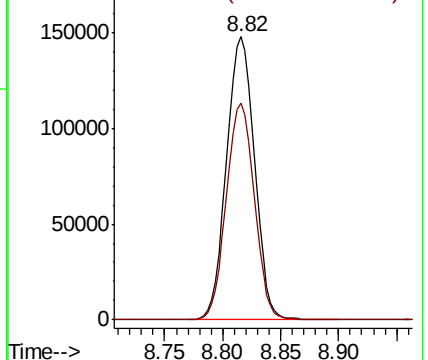


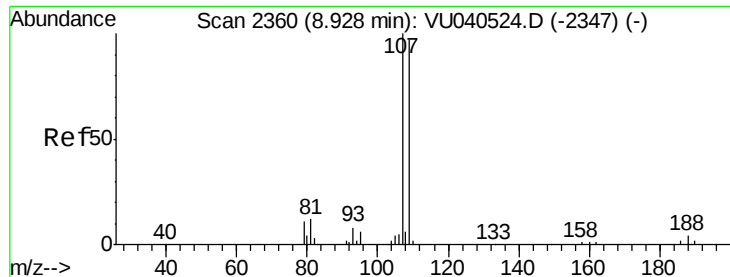
#49
Dibromochloromethane
Concen: 100.482 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040525.D
Acq: 06 Oct 2020 13:57

Tgt Ion: 129 Resp: 247120
Ion Ratio Lower Upper
129 100
127 76.8 54.9 102.1



Abundance Ion 129.00 (128.70 to 129.70): VU040525.D (-2232) (-)
Ion 127.00 (126.70 to 127.70): VU040525.D (-2232) (-)

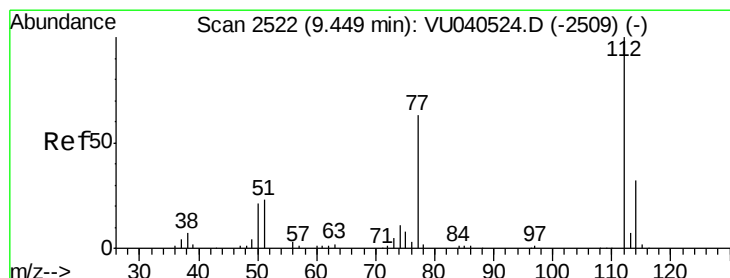
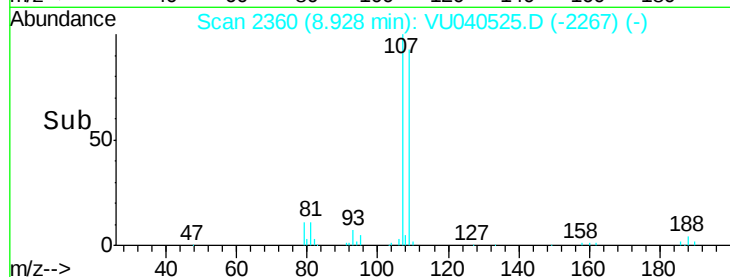
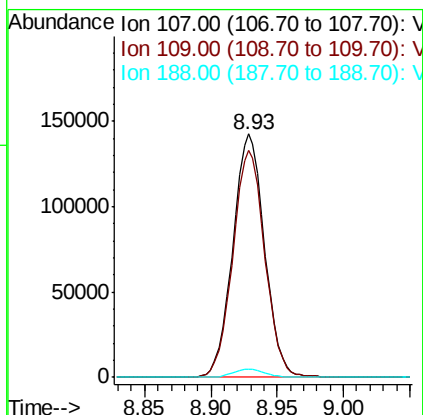
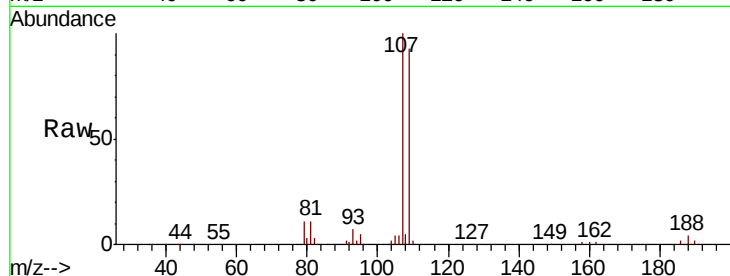




#50
1,2-Dibromoethane
Concen: 98.243 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU040525.D
Acq: 06 Oct 2020 13:57

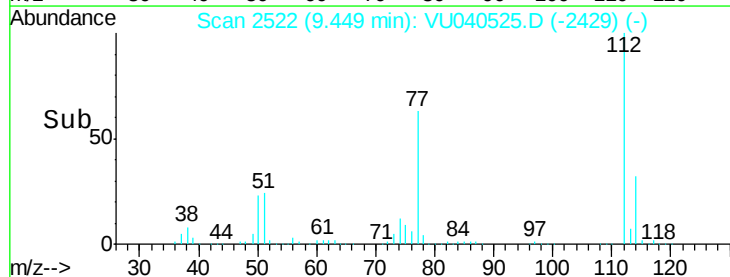
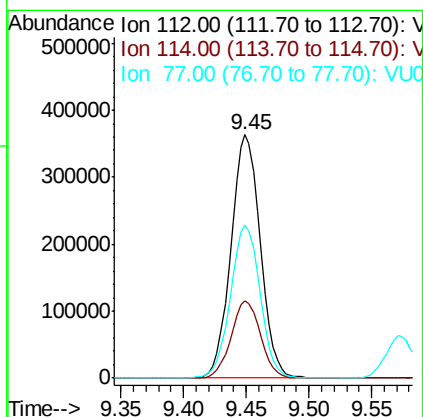
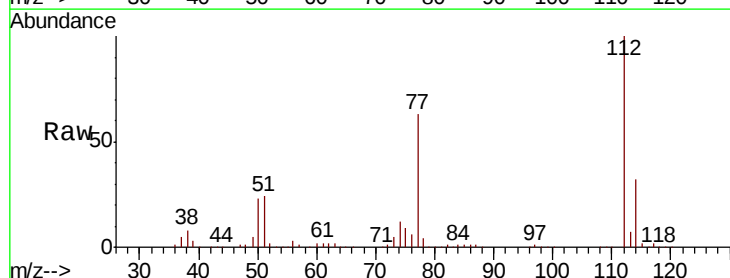
Instrument :
MSVOA_U
ClientSampleId :
VSTD100205

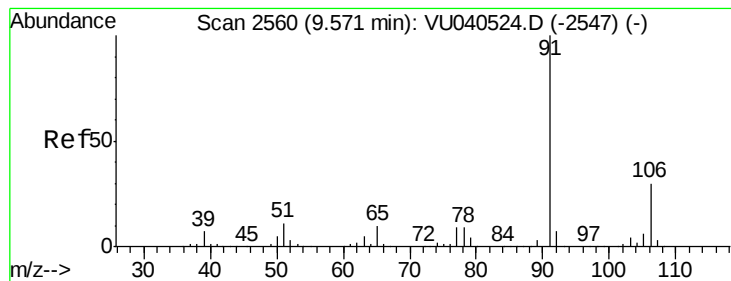
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	67.8	125.8
188	3.5	2.8	4.2



#51
Chlorobenzene
Concen: 95.891 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040525.D
Acq: 06 Oct 2020 13:57

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.1	41.1
77	62.9	50.4	75.6





#52

Ethylbenzene

Concen: 102.476 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040525.D

Acq: 06 Oct 2020 13:57

Instrument :

MSVOA_U

ClientSampleId :

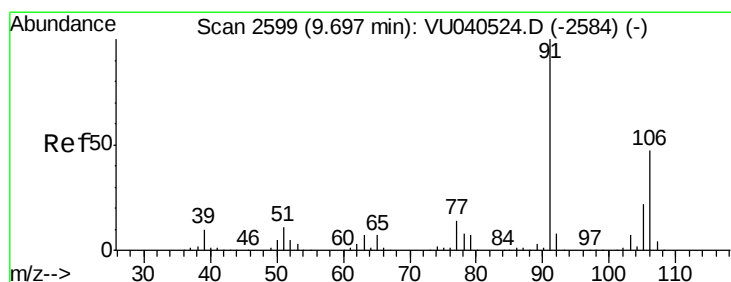
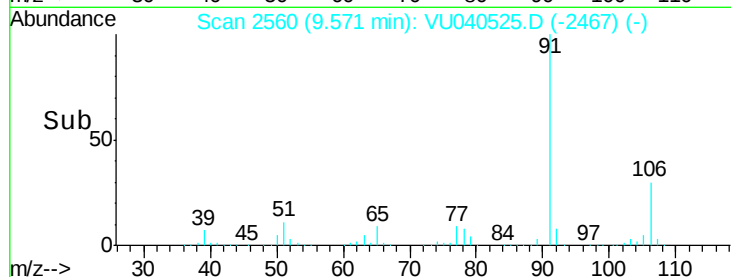
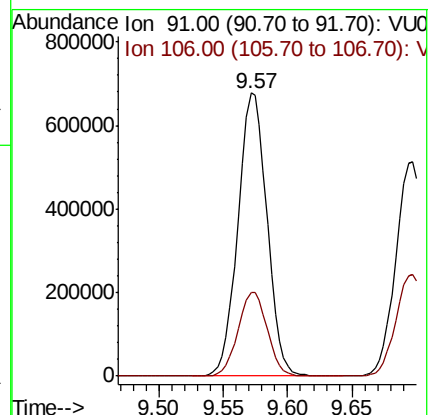
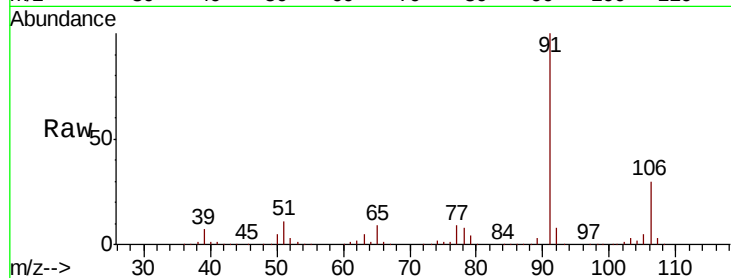
VSTD100205

Tot Ion: 91 Resp: 1059910

Ion Ratio Lower Upper

91 100

106 29.5 20.9 38.9



#53

m,p-Xylene

Concen: 105.622 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040525.D

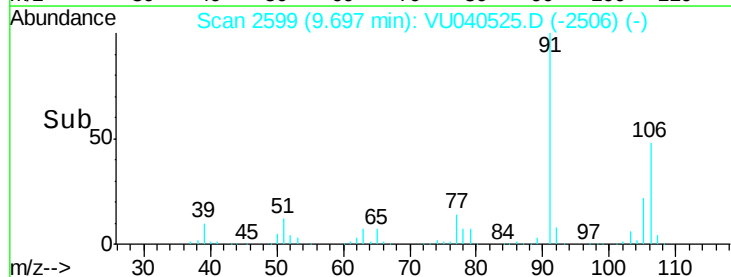
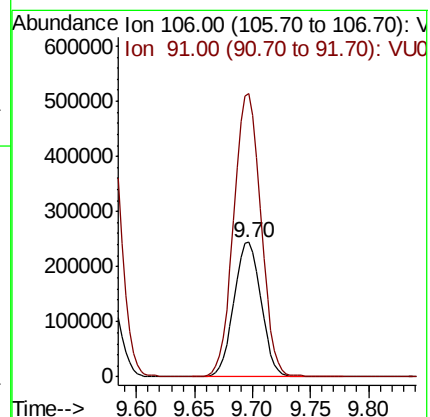
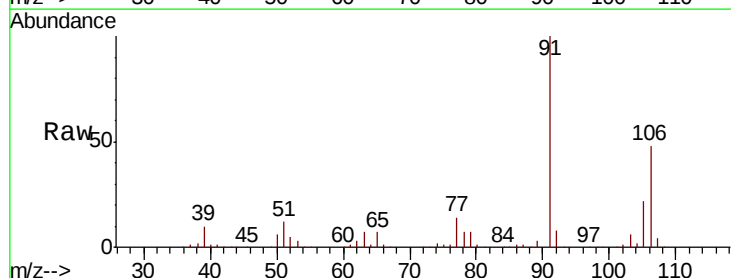
Acq: 06 Oct 2020 13:57

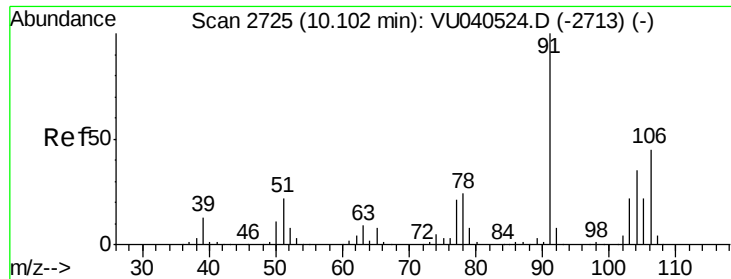
Tgt Ion: 106 Resp: 397290

Ion Ratio Lower Upper

106 100

91 210.1 150.1 278.7





#54

o-xylene

Concen: 104.162 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU040525.D

Acq: 06 Oct 2020 13:57

Instrument :

MSVOA_U

ClientSampleId :

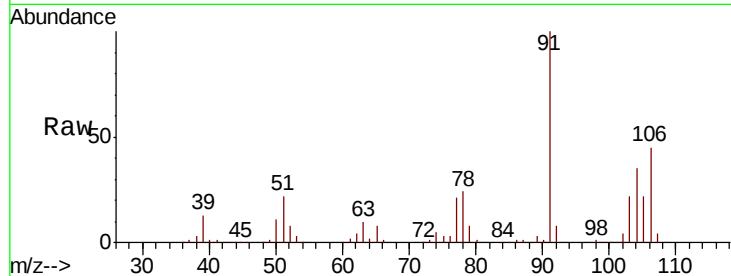
VSTD100205

Tot Ion:106 Resp: 382945

Ion Ratio Lower Upper

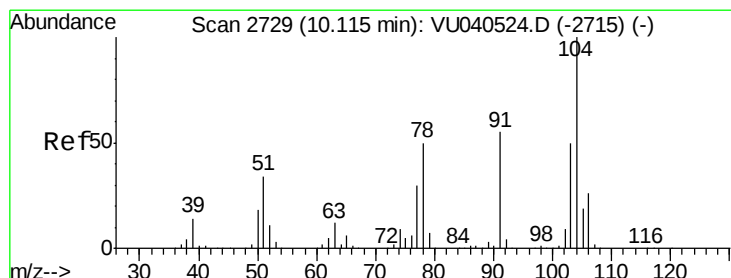
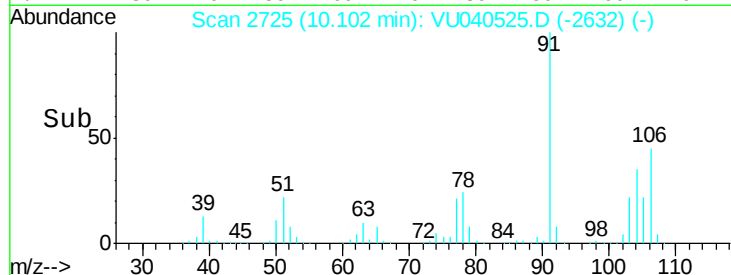
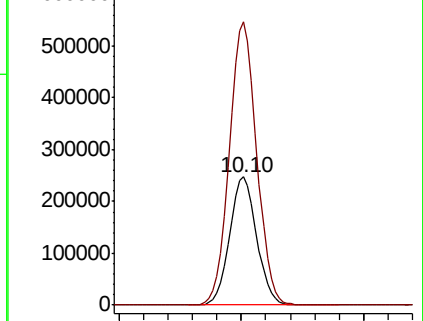
106 100

91 220.7 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 106.163 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU040525.D

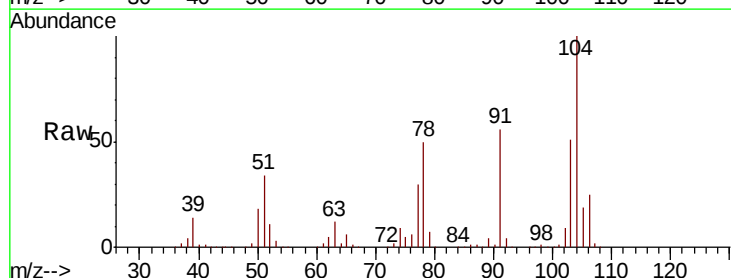
Acq: 06 Oct 2020 13:57

Tgt Ion:104 Resp: 670452

Ion Ratio Lower Upper

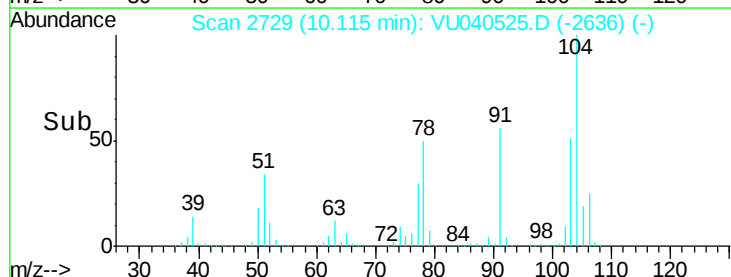
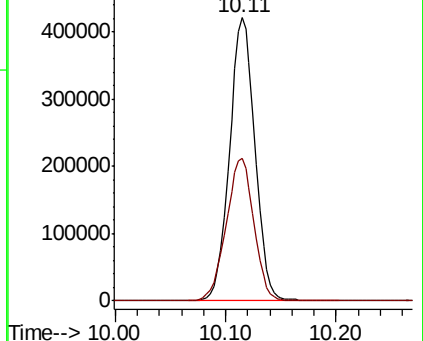
104 100

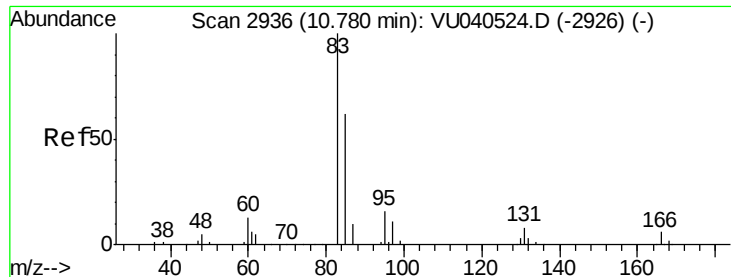
78 50.3 35.2 65.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

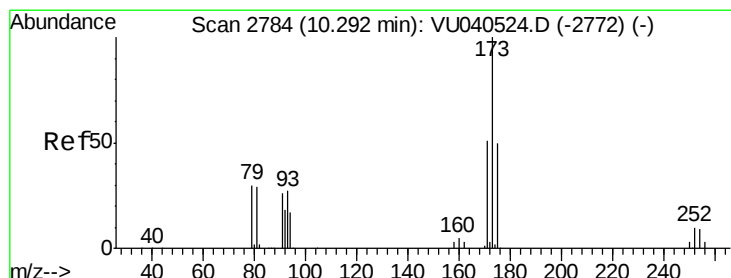
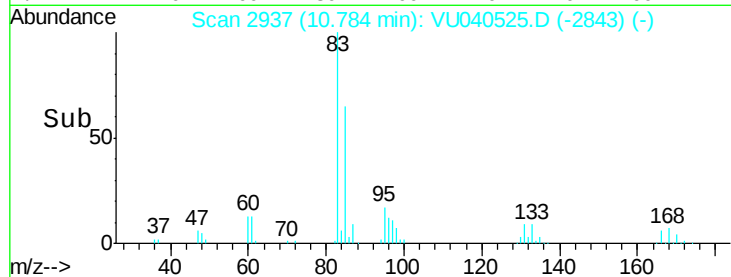
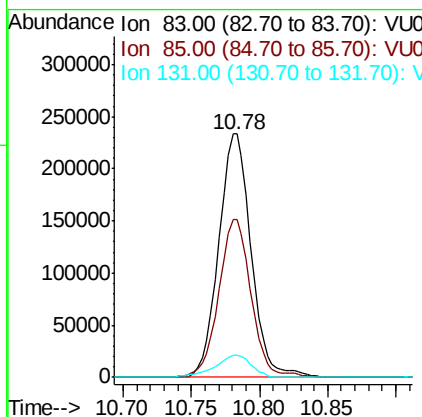
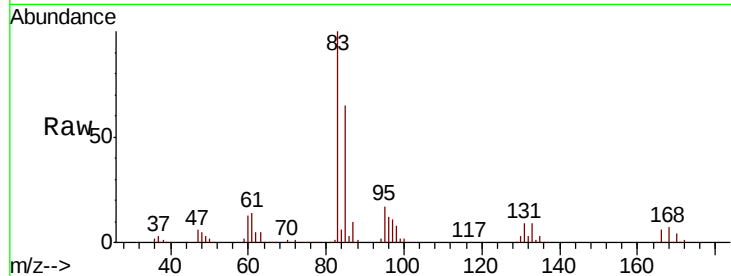




#57
 1,1,2,2-Tetrachloroethane
 Concen: 97.271 ug/L
 RT: 10.78 min Scan# 2937
 Delta R.T. 0.00 min
 Lab File: VU040525.D
 Acq: 06 Oct 2020 13:57

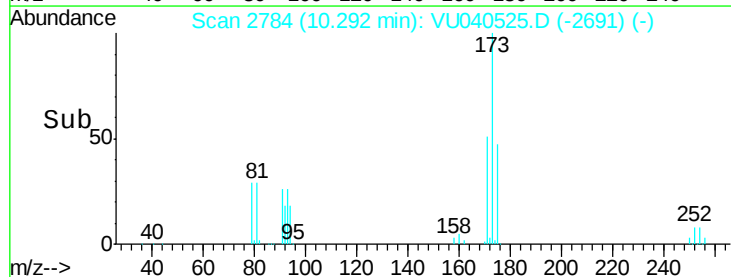
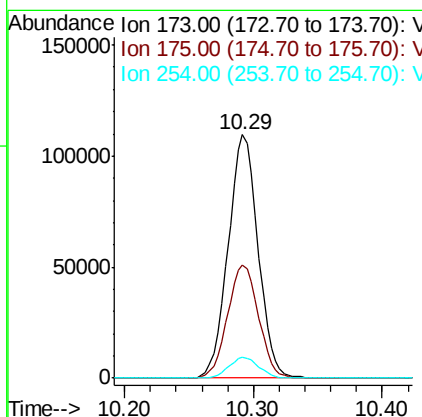
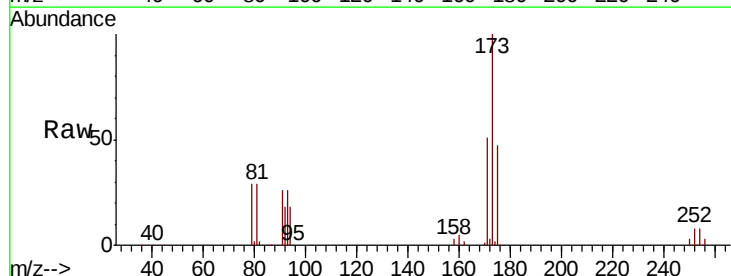
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100205

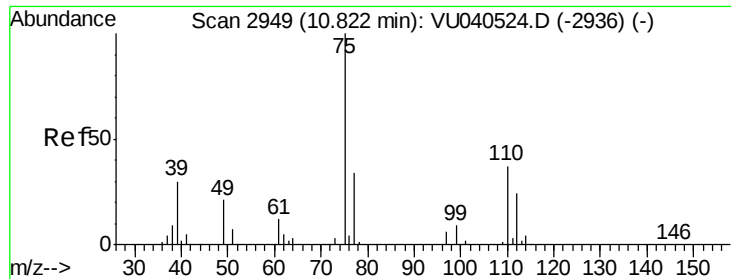
Tot Ion: 83 Resp: 385014
 Ion Ratio Lower Upper
 83 100
 85 64.9 44.2 82.2
 131 9.2 7.1 10.7



#59
 Bromoform
 Concen: 99.549 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU040525.D
 Acq: 06 Oct 2020 13:57

Tgt Ion: 173 Resp: 176128
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.5 57.7
 254 8.6 7.0 10.6

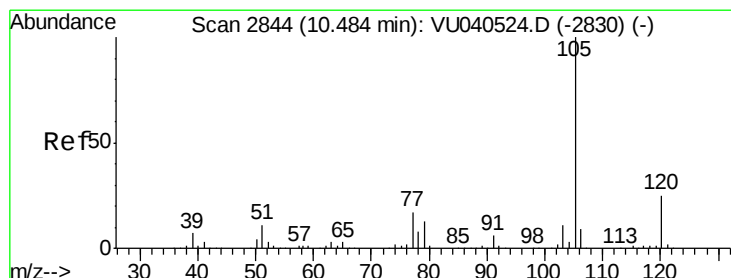
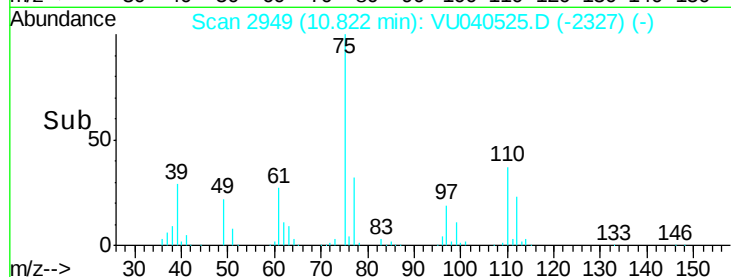
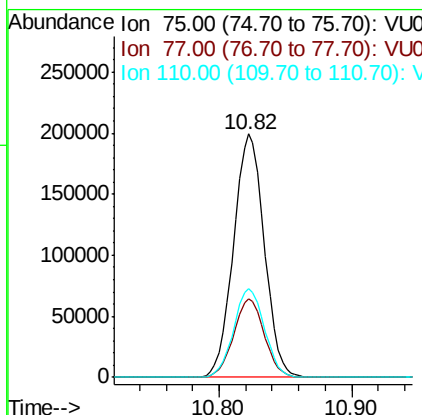
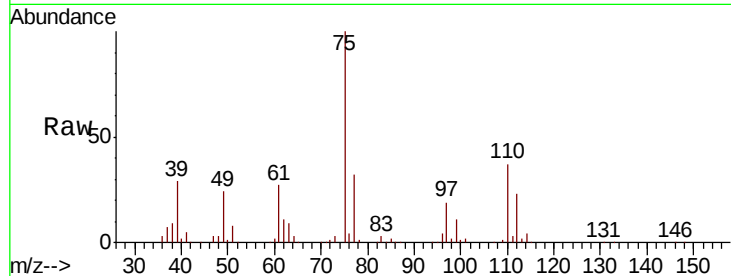




#60
 1,2,3-Trichloropropane
 Concen: 94.031 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040525.D
 Acq: 06 Oct 2020 13:57

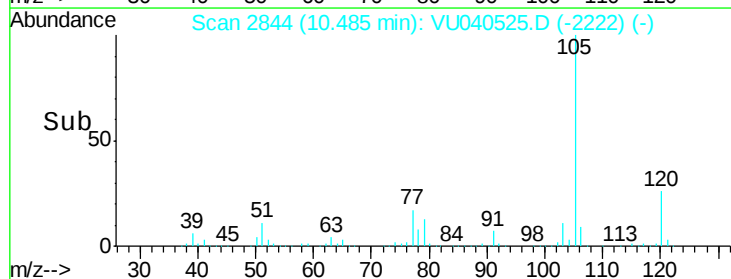
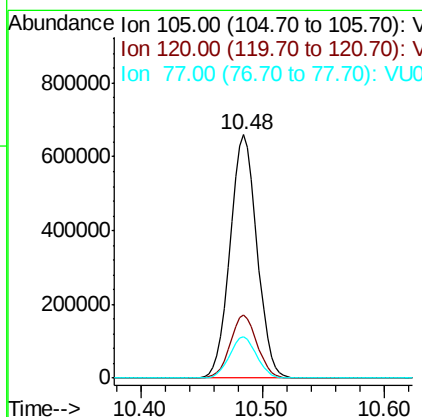
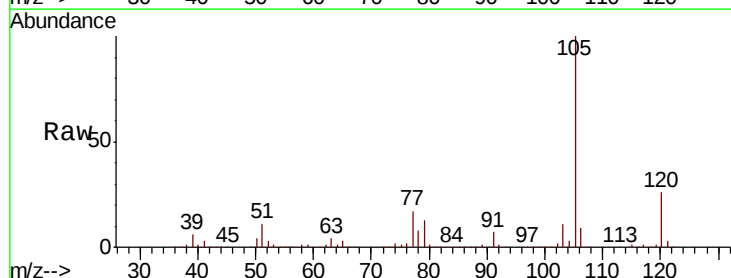
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100205

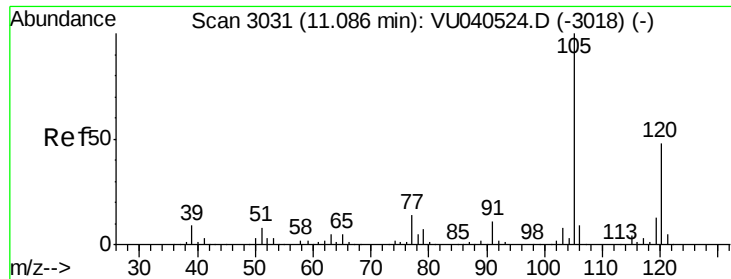
Tot Ion: 75 Resp: 320073
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.4 39.6
 110 36.7 30.1 45.1



#61
 Isopropylbenzene
 Concen: 101.495 ug/L
 RT: 10.48 min Scan# 2844
 Delta R.T. 0.00 min
 Lab File: VU040525.D
 Acq: 06 Oct 2020 13:57

Tgt Ion: 105 Resp: 1013438
 Ion Ratio Lower Upper
 105 100
 120 25.9 20.7 31.1
 77 17.2 13.8 20.8





#62

1,3,5-Trimethylbenzene

Concen: 107.624 ug/L

RT: 11.09 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VU040525.D

Acq: 06 Oct 2020 13:57

Instrument :

MSVOA_U

ClientSampleId :

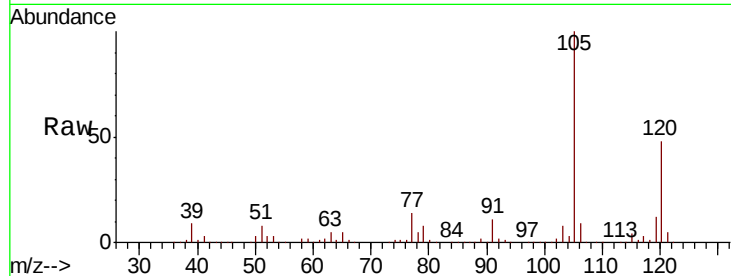
VSTD100205

Tot Ion:105 Resp: 880055

Ion Ratio Lower Upper

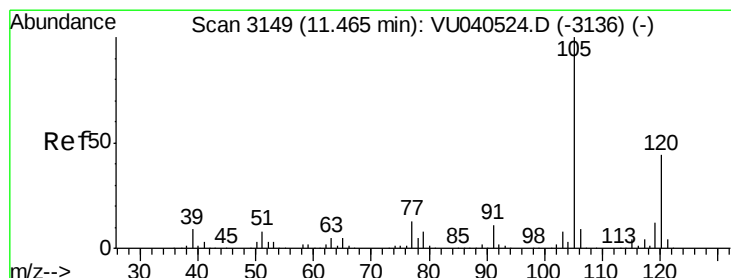
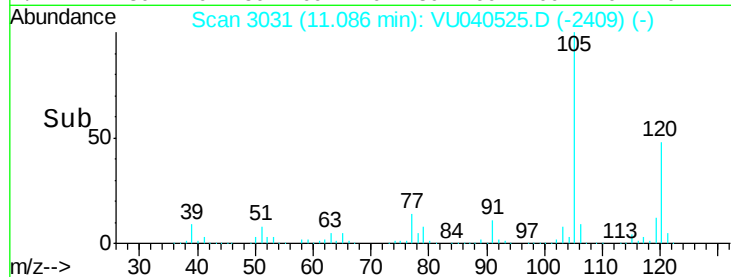
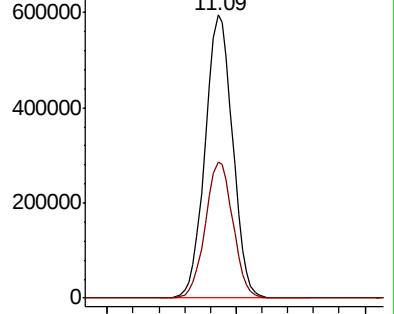
105 100

120 48.2 38.6 58.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 108.037 ug/L

RT: 11.47 min Scan# 3149

Delta R.T. 0.00 min

Lab File: VU040525.D

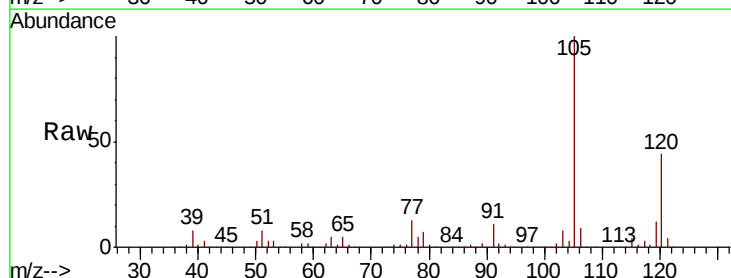
Acq: 06 Oct 2020 13:57

Tgt Ion:105 Resp: 892400

Ion Ratio Lower Upper

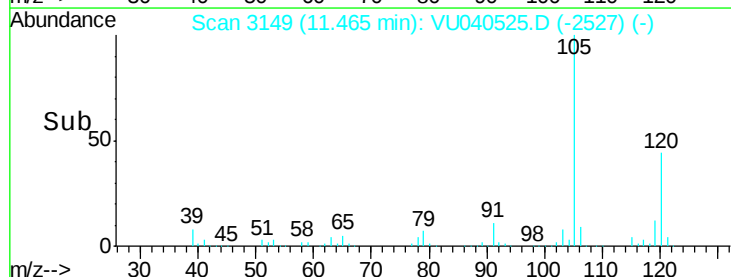
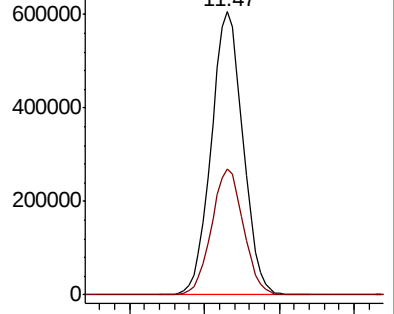
105 100

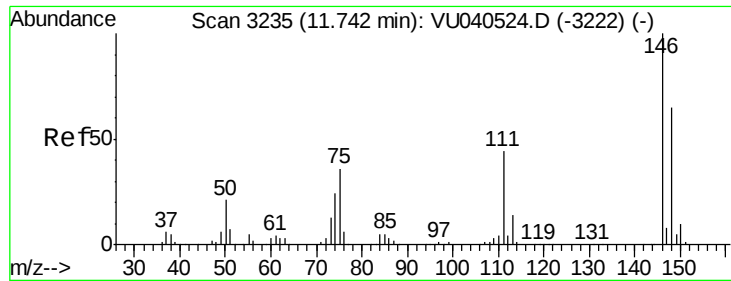
120 44.6 35.7 53.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

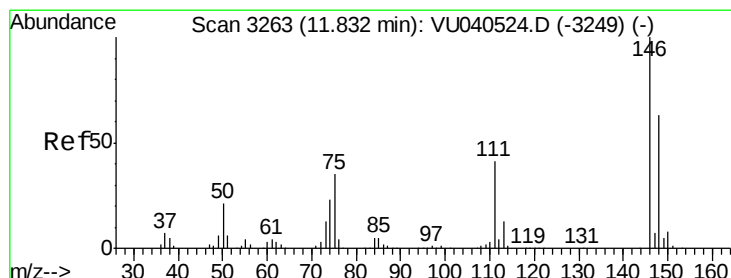
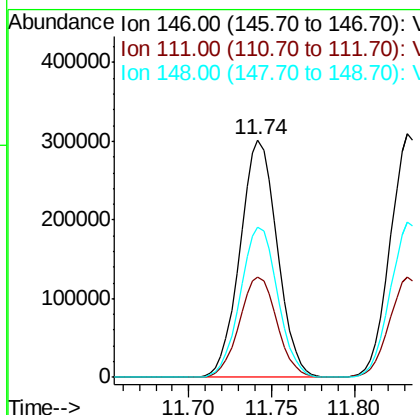
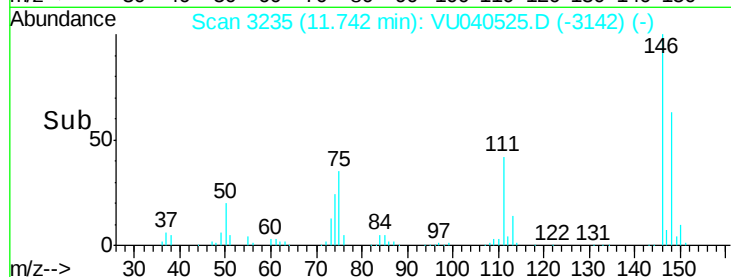
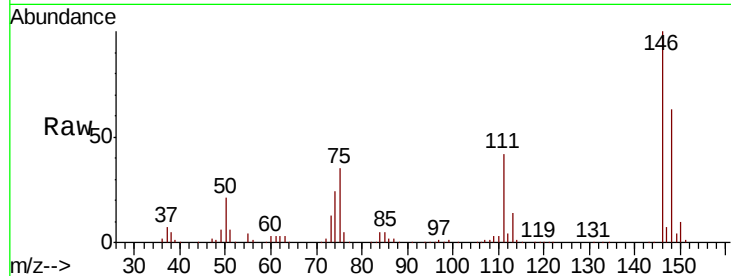




#64
 1,3-Dichlorobenzene
 Concen: 98.779 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040525.D
 Acq: 06 Oct 2020 13:57

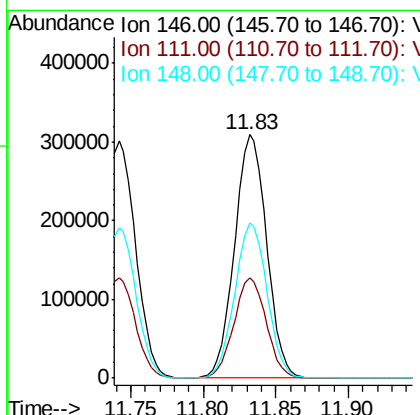
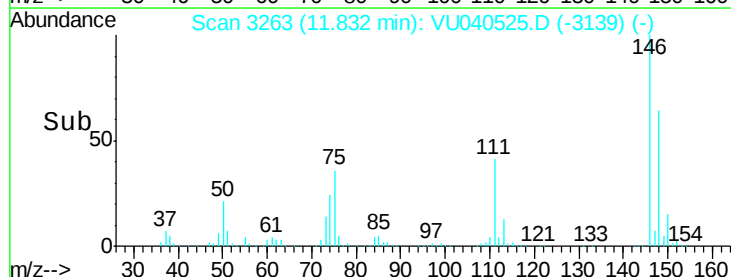
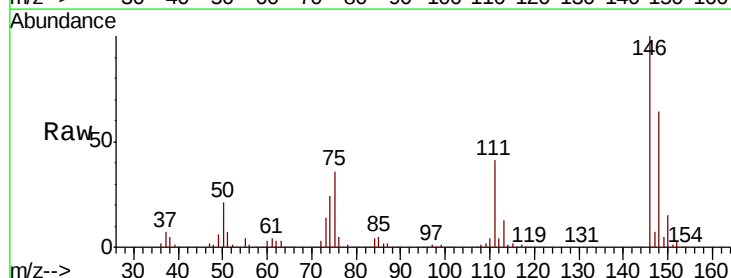
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100205

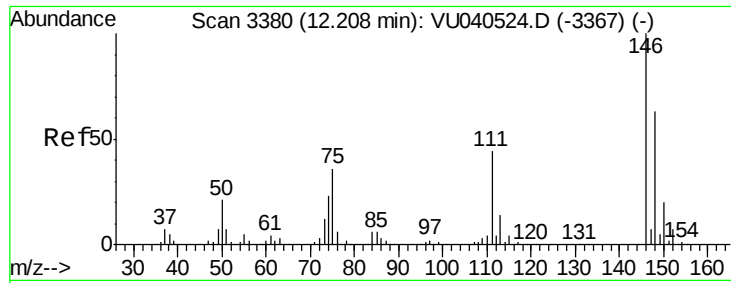
Tot Ion:146 Resp: 470298
 Ion Ratio Lower Upper
 146 100
 111 42.3 30.8 57.2
 148 63.4 45.4 84.2



#65
 1,4-Dichlorobenzene
 Concen: 96.276 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040525.D
 Acq: 06 Oct 2020 13:57

Tgt Ion:146 Resp: 475854
 Ion Ratio Lower Upper
 146 100
 111 41.4 28.7 53.3
 148 63.6 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 97.973 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040525.D

Acq: 06 Oct 2020 13:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD100205

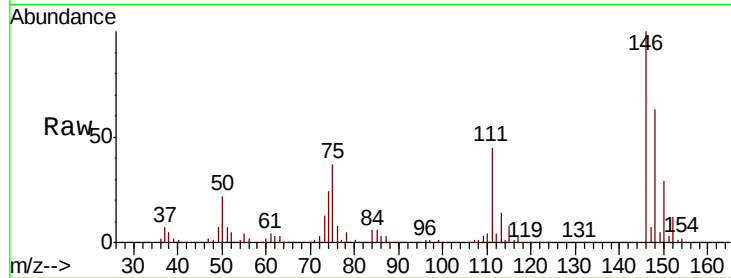
Tot Ion:146 Resp: 464714

Ion Ratio Lower Upper

146 100

111 45.0 35.7 53.5

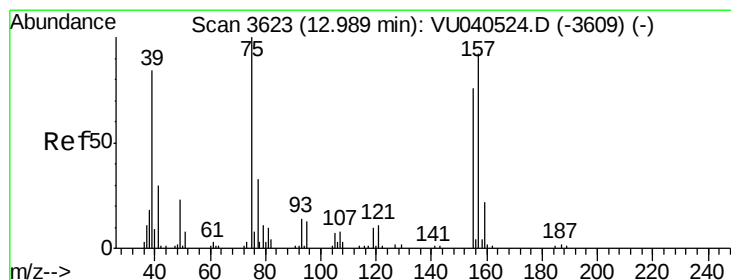
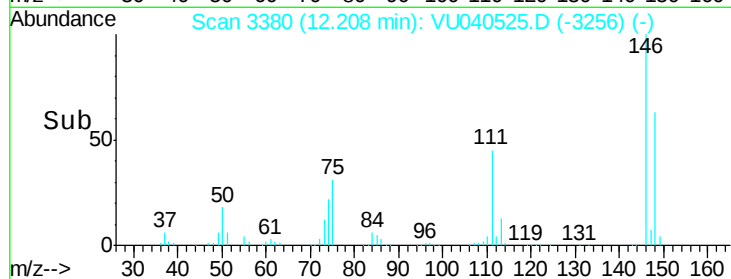
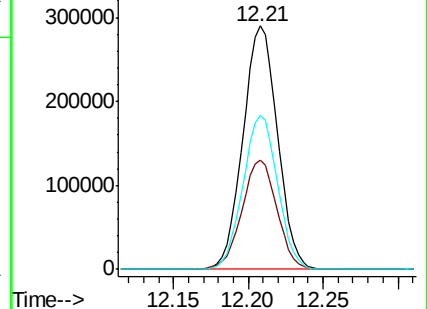
148 63.3 50.6 75.8



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



#68

1,2-Dibromo-3-chloropropane

Concen: 100.657 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU040525.D

Acq: 06 Oct 2020 13:57

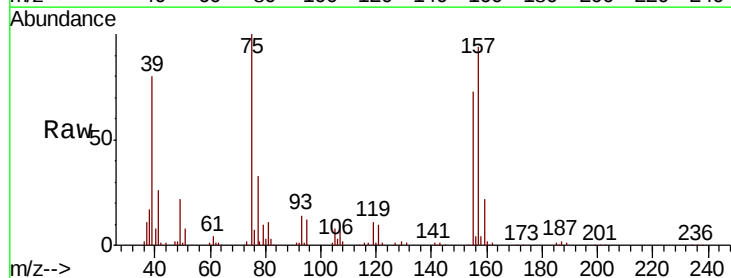
Tgt Ion: 75 Resp: 95804

Ion Ratio Lower Upper

75 100

155 72.6 61.0 91.6

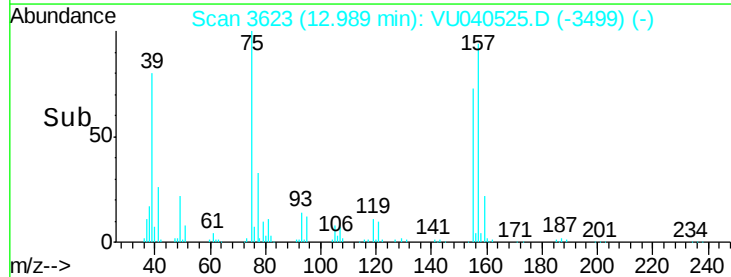
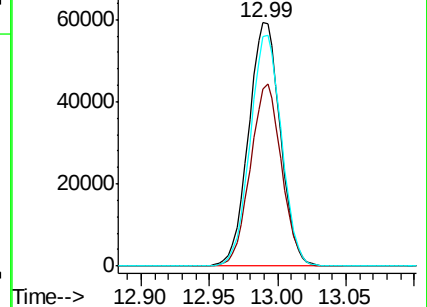
157 94.1 73.5 110.3

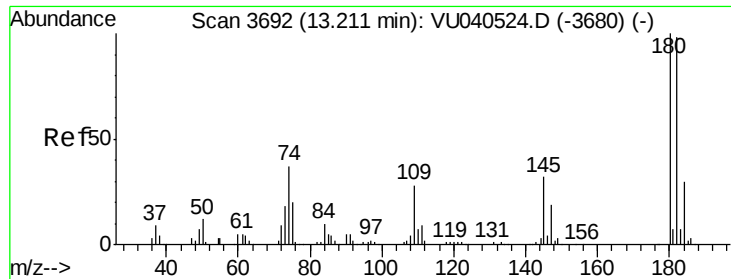


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

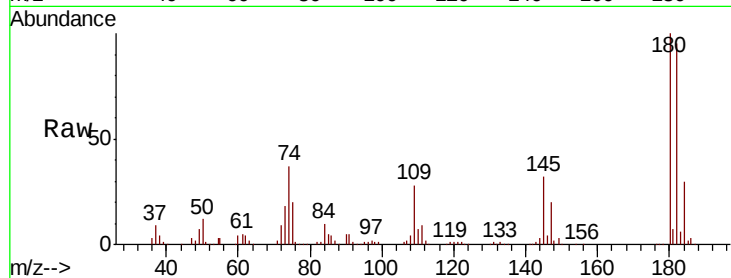




#69
 1,3,5-Trichlorobenzene
 Concen: 104.389 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040525.D
 Acq: 06 Oct 2020 13:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100205

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.9	115.3
184	30.4	24.2	36.2
145	31.7	25.4	38.2



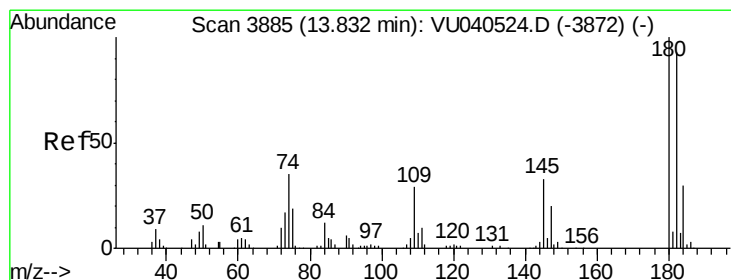
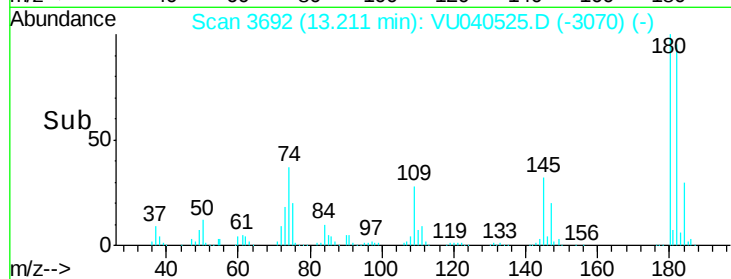
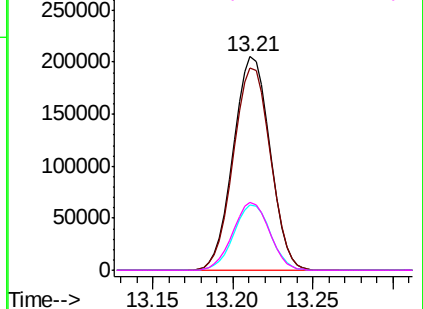
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

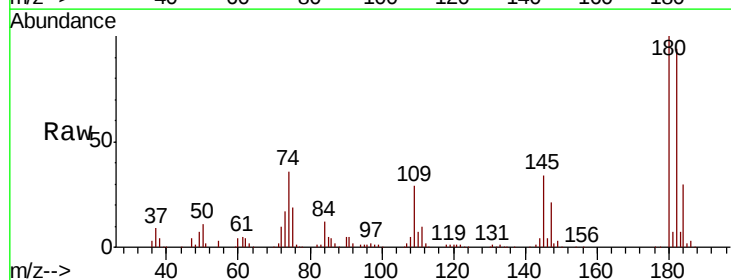
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 106.477 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040525.D
 Acq: 06 Oct 2020 13:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.0	112.6
145	32.7	25.9	38.9

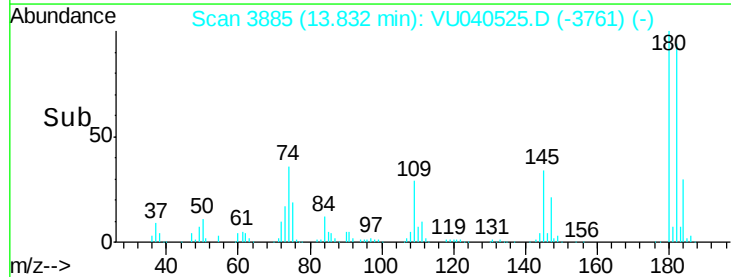
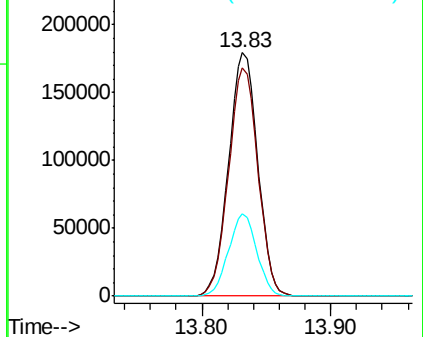


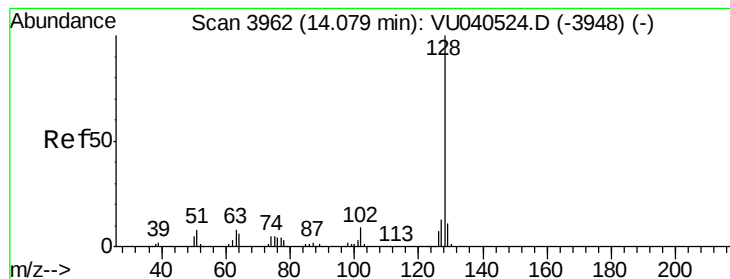
Abundance

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: 117.093 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040525.D

Acq: 06 Oct 2020 13:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD100205

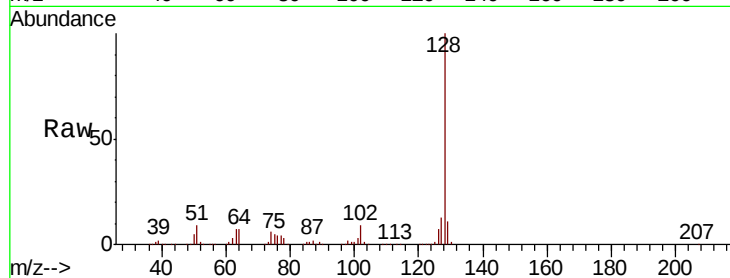
Tot Ion:128 Resp: 936319

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

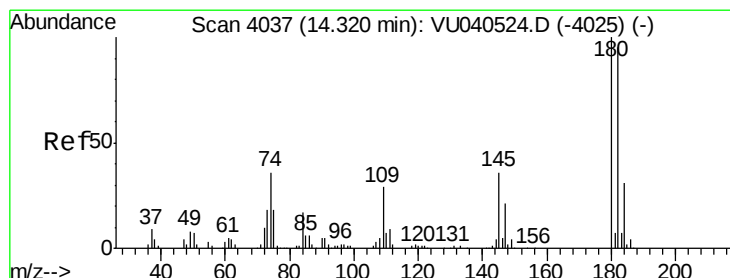
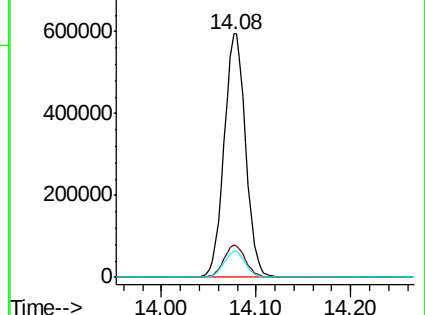
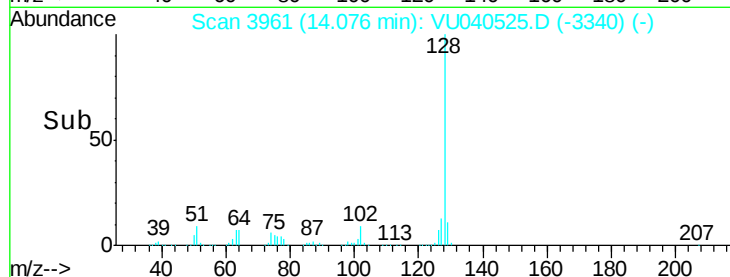
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#72

1,2,3-Trichlorobenzene

Concen: 106.891 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU040525.D

Acq: 06 Oct 2020 13:57

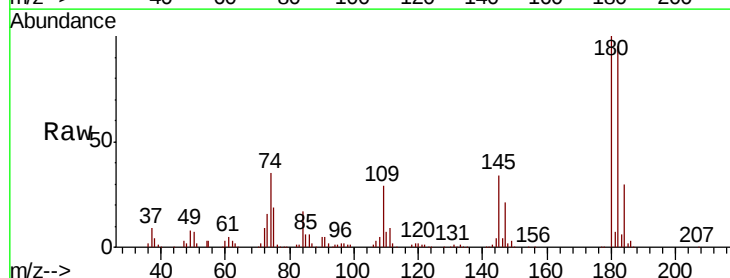
Tgt Ion:180 Resp: 274280

Ion Ratio Lower Upper

180 100

182 95.9 77.7 116.5

145 34.9 28.4 42.6



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

