

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092520\
 Data File : VU040274.D
 Acq On : 24 Sep 2020 16:20
 Operator : SY/MD
 Sample : VSTD00503
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005103

Quant Time: Sep 25 02:10:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR092420WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 25 02:03:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	228491	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	223348	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	116495	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	67800	5.31	ug/L	0.00
7) Chloroethane-d5	1.92	69	56558	4.98	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	65	34725	6.28	ug/L	0.00
20) 2-Butanone-d5	4.65	46	257896	79.44	ug/L	0.00
24) Chloroform-d	5.08	84	136854	5.59	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	82695	6.24	ug/L	0.00
32) Benzene-d6	5.74	84	261449	4.93	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	85111	5.13	ug/L	0.00
41) Toluene-d8	7.90	98	234267	4.60	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.18	79	34986	5.29	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	191735	60.08	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	74792	5.47	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	88138	4.44	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	116615	6.433	ug/L 100
3) Chloromethane	1.53	50	113359	6.030	ug/L 100
5) Vinyl chloride	1.61	62	109564	5.541	ug/L 100
6) Bromomethane	1.87	94	59431	5.255	ug/L 100
8) Chloroethane	1.94	64	66252	5.384	ug/L 100
9) Trichlorofluoromethane	2.15	101	148315	6.223	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	93592	6.355	ug/L 100
12) 1,1-Dichloroethene	2.59	96	84562	5.907	ug/L 100
13) Acetone	2.66	43	229954	88.863	ug/L 100
14) Carbon disulfide	2.81	76	297585	6.420	ug/L 100
15) Methyl Acetate	2.97	43	52476	8.189	ug/L 100
16) Methylene chloride	3.06	84	98299	5.062	ug/L 100
17) Methyl tert-butyl Ether	3.38	73	233968	6.370	ug/L 100
18) trans-1,2-Dichloroethene	3.37	96	90344	5.884	ug/L 100
19) 1,1-Dichloroethane	3.89	63	178500	6.462	ug/L 100
21) 2-Butanone	4.73	43	369105	88.896	ug/L 100
22) cis-1,2-Dichloroethene	4.68	96	95302	5.629	ug/L 100
23) Bromochloromethane	4.99	128	44416	6.123	ug/L 100
25) Chloroform	5.11	83	181034	6.537	ug/L 100
27) 1,2-Dichloroethane	5.81	62	129608	7.199	ug/L 100
29) 1,1,1-Trichloroethane	5.33	97	150992	6.294	ug/L 100
30) Cyclohexane	5.40	56	168886	6.207	ug/L 100
31) Carbon tetrachloride	5.54	117	131398	6.445	ug/L 100
33) Benzene	5.79	78	384412	5.841	ug/L 100
34) Trichloroethene	6.56	95	99391	5.743	ug/L 100
35) Methylcyclohexane	6.77	83	155558	5.350	ug/L 100
37) 1,2-Dichloropropane	6.80	63	101303	6.141	ug/L 100
38) Bromodichloromethane	7.11	83	129681	6.349	ug/L 100
39) cis-1,3-Dichloropropene	7.61	75	142817	5.711	ug/L 100
40) 4-Methyl-2-pentanone	7.80	43	850623	81.410	ug/L 100

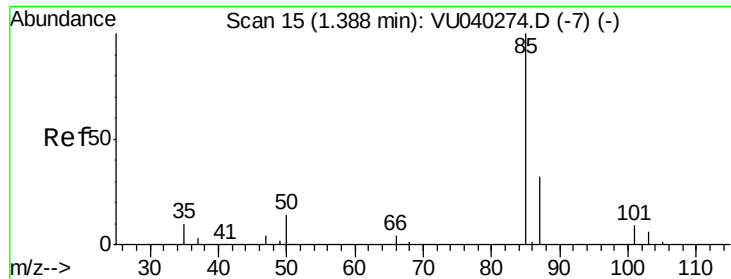
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092520\
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 QLast Update : Fri Sep 25 02:03:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.97	91	396076	5.541	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	135977	6.714	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	71920	5.953	ug/L	100
47) Tetrachloroethene	8.56	164	70461	5.144	ug/L	100
48) 2-Hexanone	8.69	43	643143	86.847	ug/L	100
49) Dibromochloromethane	8.81	129	83958	6.031	ug/L	100
50) 1,2-Dibromoethane	8.93	107	70502	5.950	ug/L	100
51) Chlorobenzene	9.45	112	243511	5.355	ug/L	100
52) Ethylbenzene	9.57	91	432081	5.554	ug/L	100
53) m,p-Xylene	9.69	106	159393	5.350	ug/L	100
54) o-Xylene	10.10	106	151254	5.202	ug/L	100
55) Styrene	10.11	104	267809	5.537	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.78	83	97137	6.270	ug/L	100
59) Bromoform	10.29	173	46828	5.744	ug/L	100
60) Isopropylbenzene	10.48	105	409950	5.135	ug/L	100
61) 1,2,3-Trichloropropane	10.82	75	71981	6.189	ug/L	100
62) 1,3,5-Trimethylbenzene	11.09	105	338699	4.993	ug/L	100
63) 1,2,4-Trimethylbenzene	11.46	105	348321	5.145	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	195622	5.232	ug/L	100
65) 1,4-Dichlorobenzene	11.83	146	199943	5.306	ug/L	100
67) 1,2-Dichlorobenzene	12.20	146	191724	5.331	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.99	75	16321	6.531	ug/L	100
69) 1,3,5-Trichlorobenzene	13.21	180	138517	4.931	ug/L	100
70) 1,2,4-trichlorobenzene	13.83	180	114762	5.490	ug/L	100
71) Naphthalene	14.08	128	200767	6.437	ug/L	100
72) 1,2,3-Trichlorobenzene	14.32	180	102600	5.444	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 6.433 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040274.D

Acq: 24 Sep 2020 16:20

Instrument :

MSVOA_U

ClientSampleId :

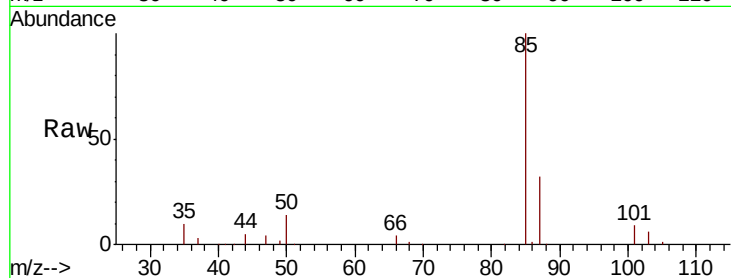
VSTD005103

Tot Ion: 85 Resp: 116615

Ion Ratio Lower Upper

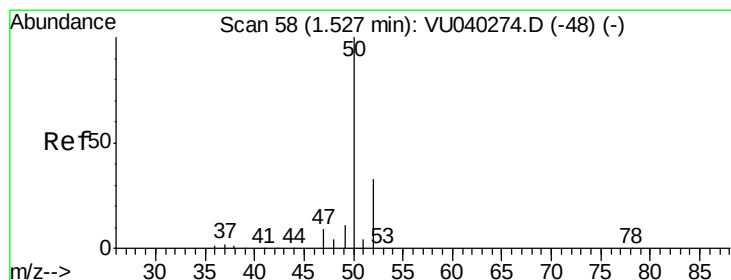
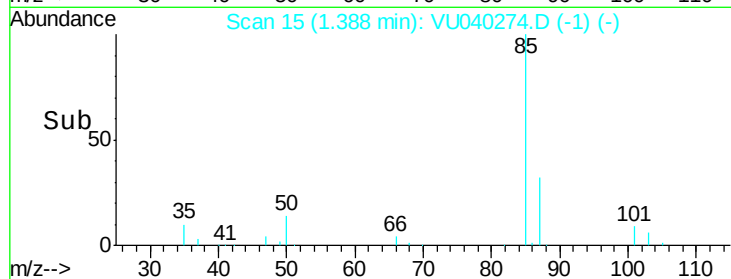
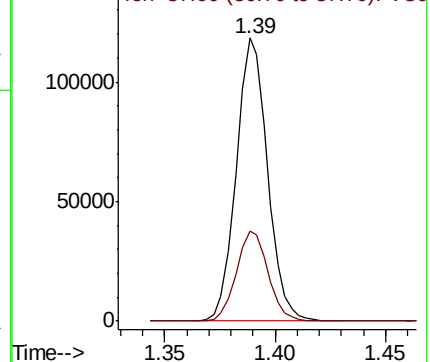
85 100

87 32.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 6.030 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040274.D

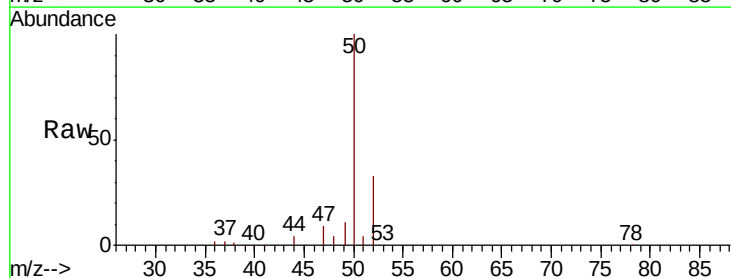
Acq: 24 Sep 2020 16:20

Tgt Ion: 50 Resp: 113359

Ion Ratio Lower Upper

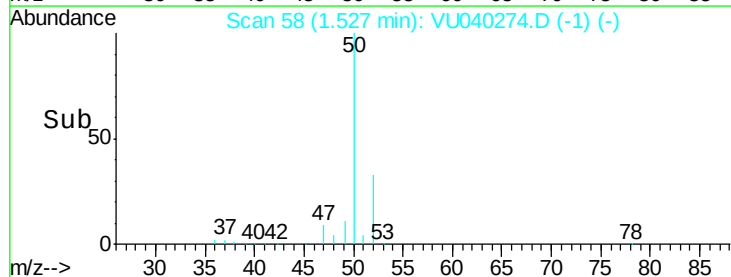
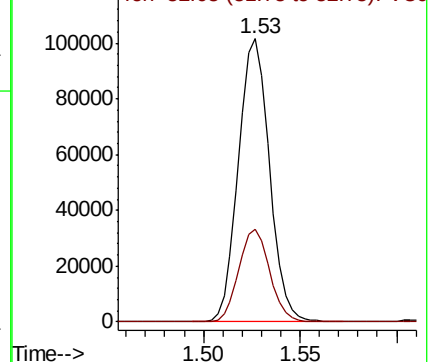
50 100

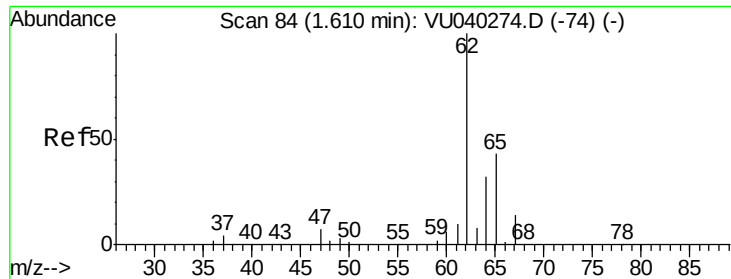
52 32.7 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.541 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040274.D

Acq: 24 Sep 2020 16:20

Instrument :

MSVOA_U

ClientSampleId :

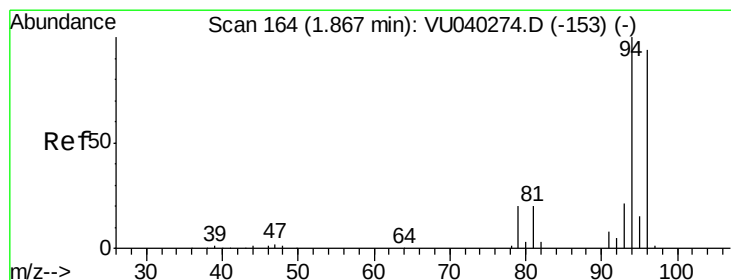
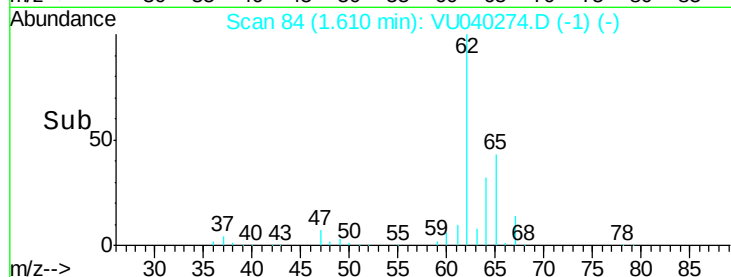
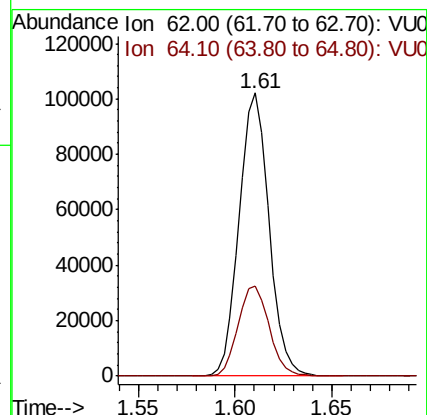
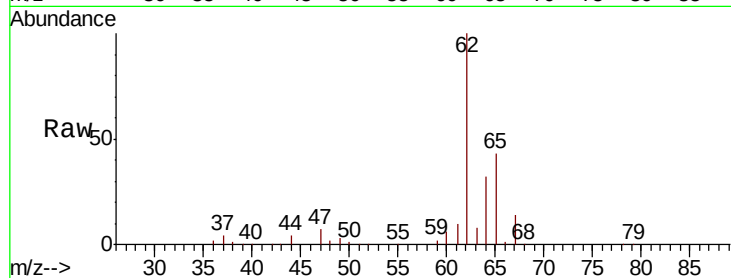
VSTD005103

Tot Ion: 62 Resp: 109564

Ion Ratio Lower Upper

62 100

64 31.8 22.3 41.3



#6

Bromomethane

Concen: 5.255 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040274.D

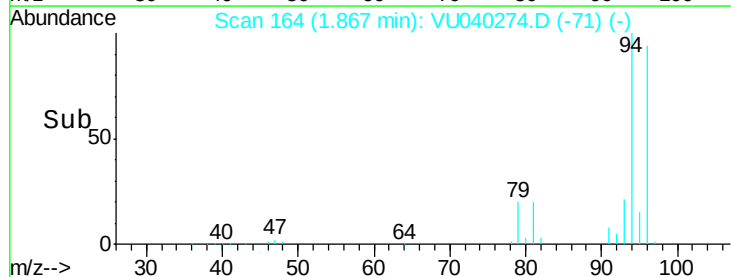
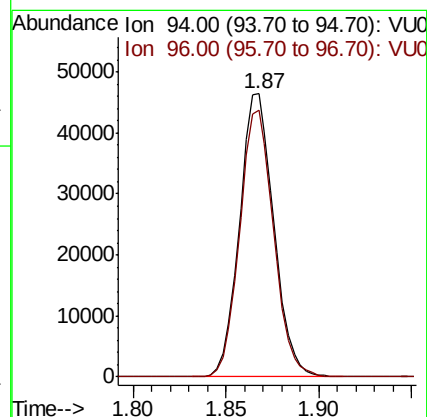
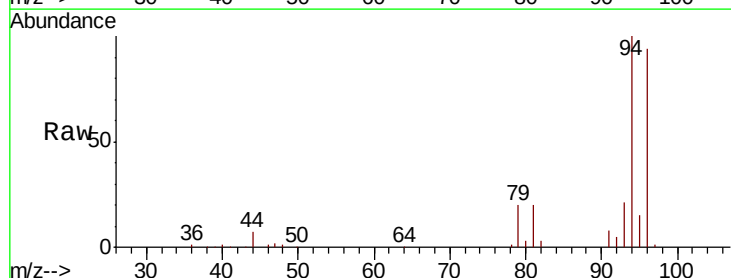
Acq: 24 Sep 2020 16:20

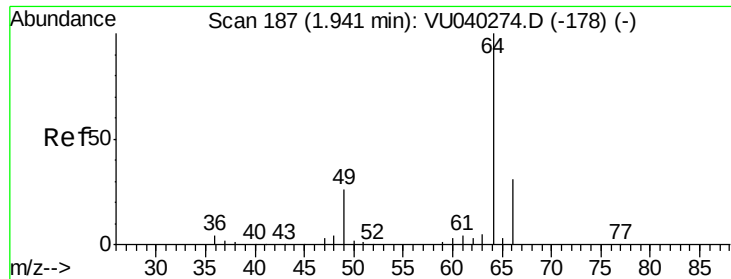
Tgt Ion: 94 Resp: 59431

Ion Ratio Lower Upper

94 100

96 94.4 66.1 122.7





#8

Chloroethane

Concen: 5.384 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU040274.D

Acq: 24 Sep 2020 16:20

Instrument :

MSVOA_U

ClientSampleId :

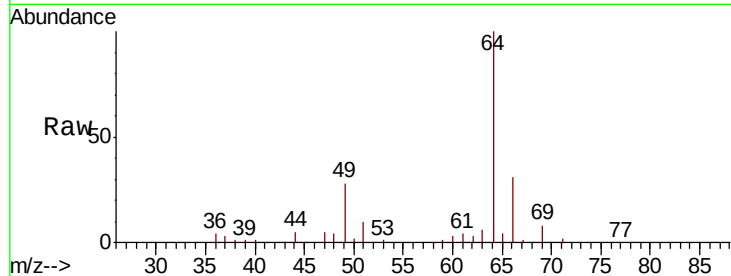
VSTD005103

Tot Ion: 64 Resp: 66252

Ion Ratio Lower Upper

64 100

66 30.5 21.3 39.6



Abundance Ion 64.10 (63.80 to 64.80): VU040274.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU040274.D (-178) (-)

1.94

60000

50000

40000

30000

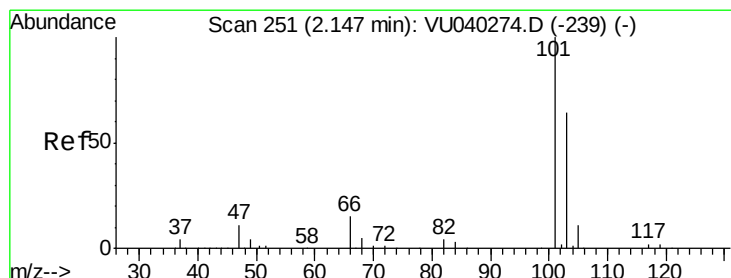
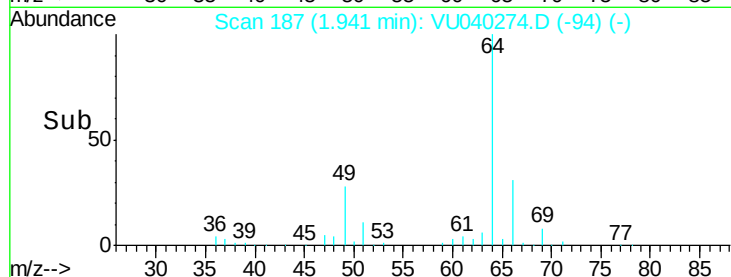
20000

10000

0

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 6.223 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU040274.D

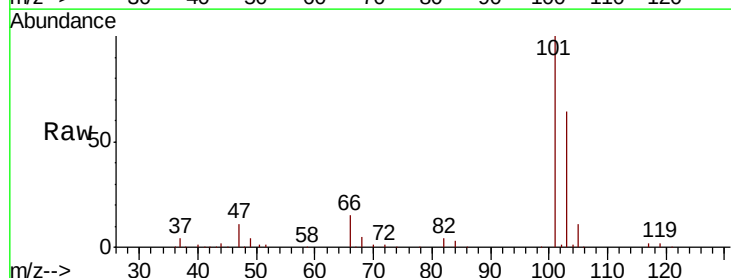
Acq: 24 Sep 2020 16:20

Tgt Ion:101 Resp: 148315

Ion Ratio Lower Upper

101 100

103 64.0 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU040274.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU040274.D (-239) (-)

2.15

120000

100000

80000

60000

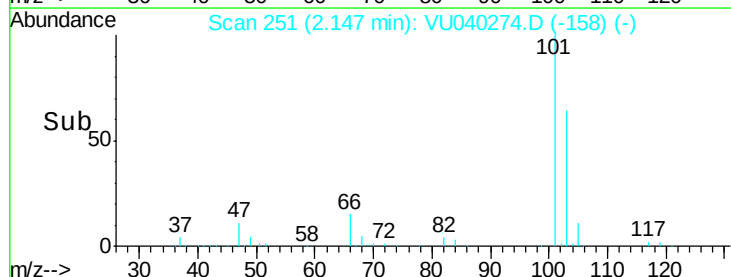
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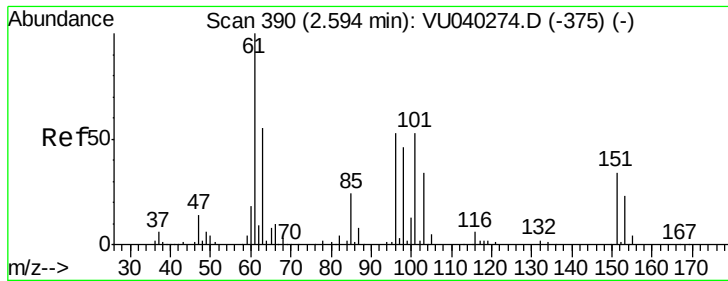
20000

0

2.10 2.15 2.20

Time-->





#10

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

Concen: 6.355 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040274.D

Acq: 24 Sep 2020 16:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD005103

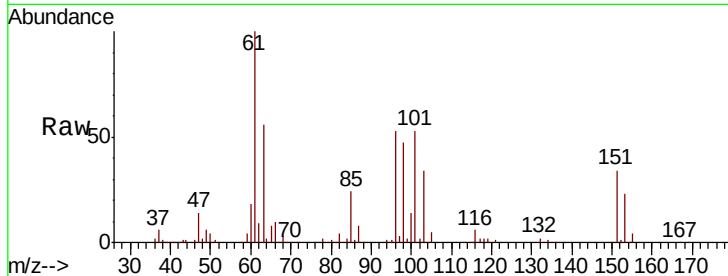
Tot Ion:101 Resp: 93592

Ion Ratio Lower Upper

101 100

85 45.9 36.7 55.1

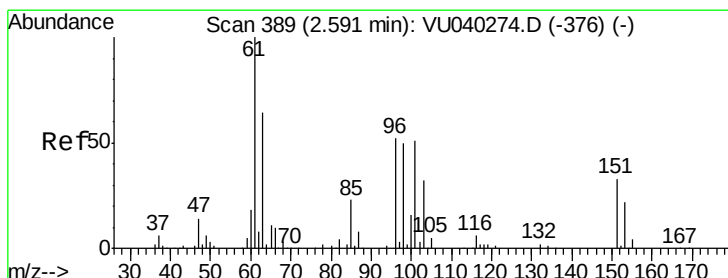
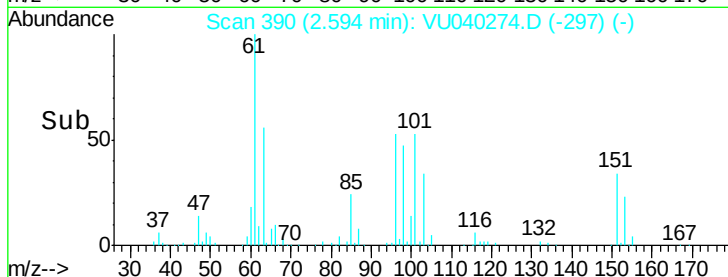
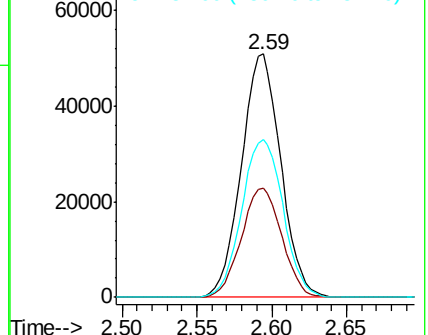
151 68.1 54.5 81.7



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: 5.907 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040274.D

Acq: 24 Sep 2020 16:20

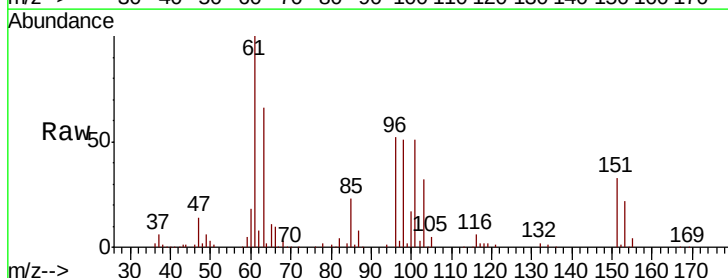
Tgt Ion: 96 Resp: 84562

Ion Ratio Lower Upper

96 100

61 191.8 134.3 249.3

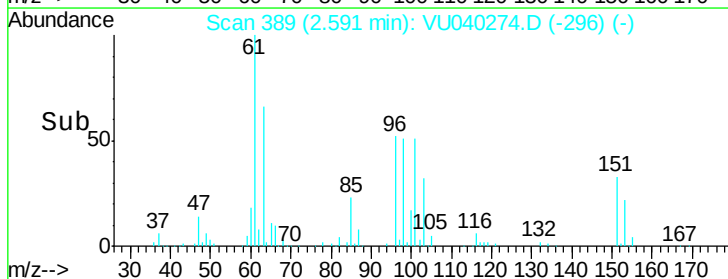
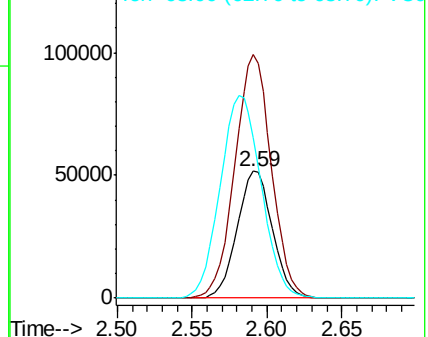
63 126.5 88.5 164.4

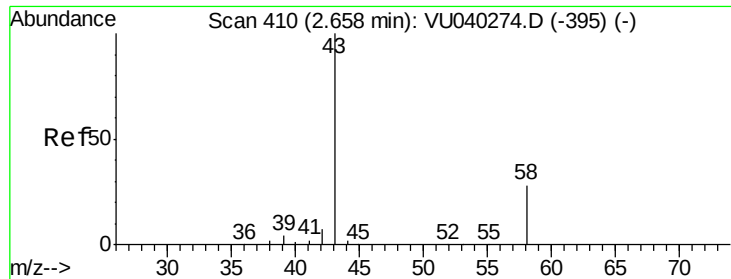


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 88.863 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU040274.D

Acq: 24 Sep 2020 16:20

Instrument :

MSVOA_U

ClientSampleId :

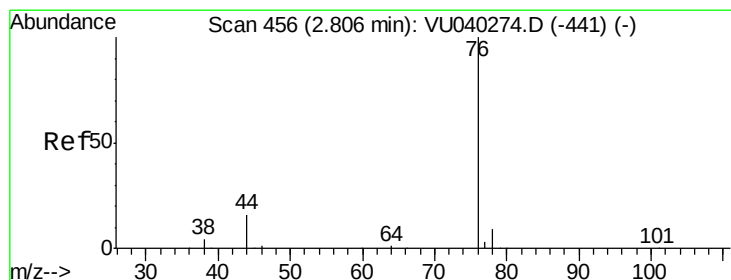
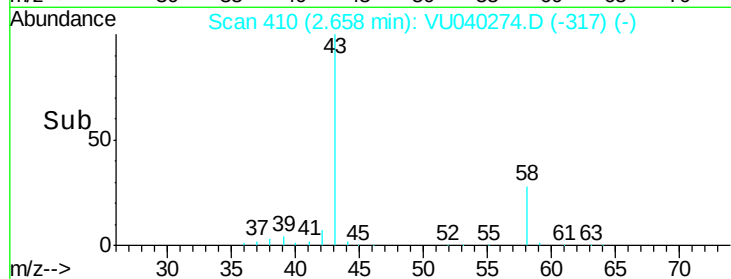
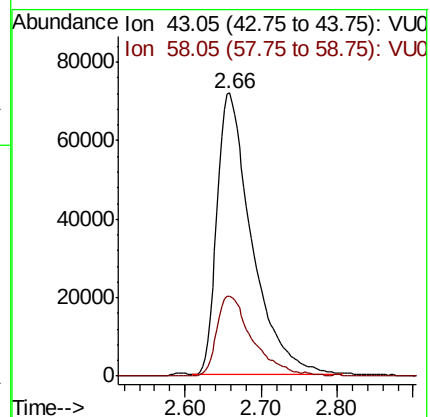
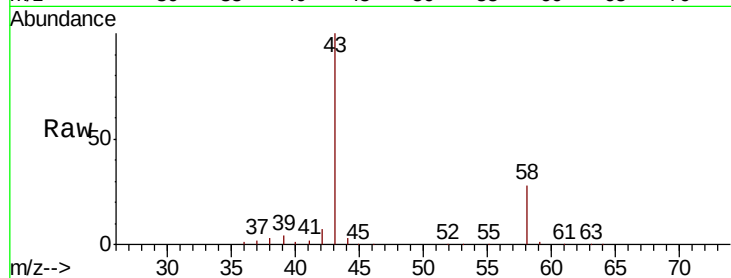
VSTD005103

Tot Ion: 43 Resp: 229954

Ion Ratio Lower Upper

43 100

58 28.2 0.0 56.4



#14

Carbon disulfide

Concen: 6.420 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040274.D

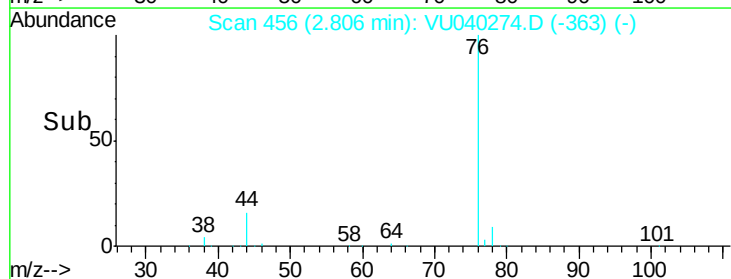
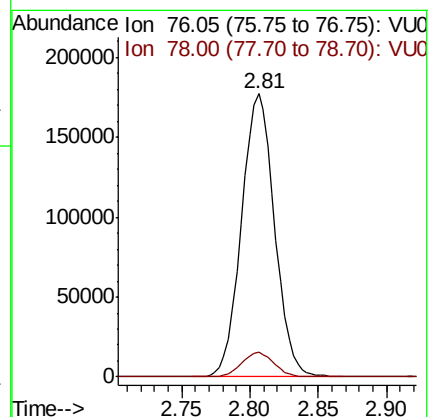
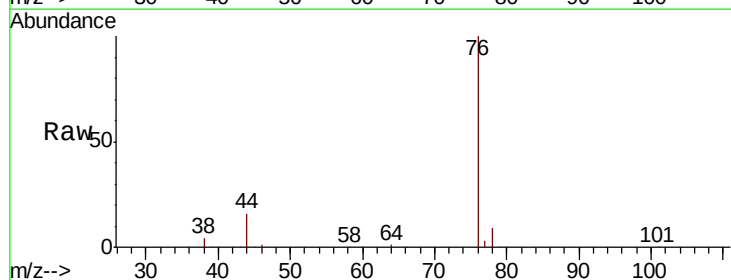
Acq: 24 Sep 2020 16:20

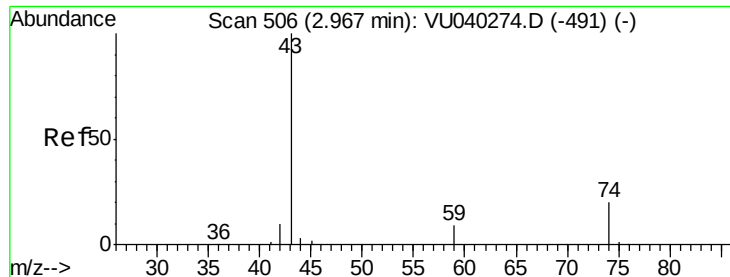
Tgt Ion: 76 Resp: 297585

Ion Ratio Lower Upper

76 100

78 8.6 6.9 10.3

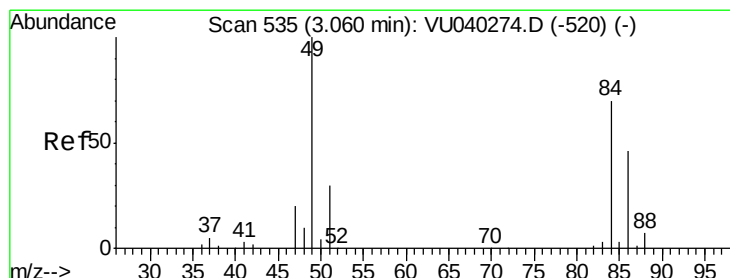
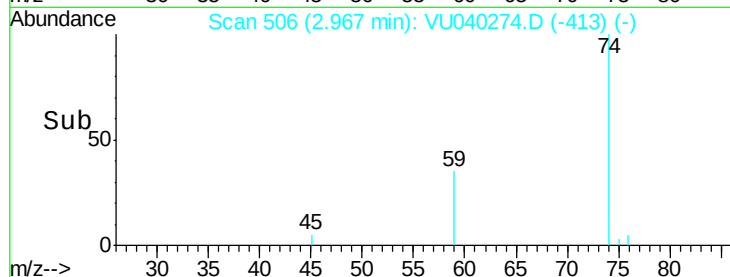
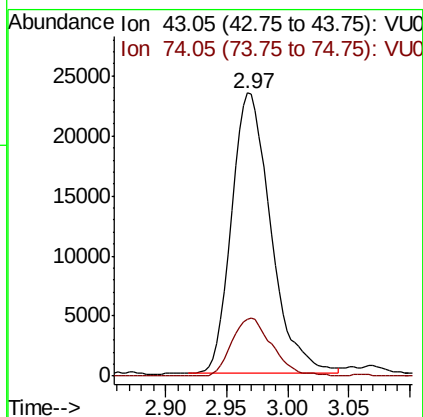
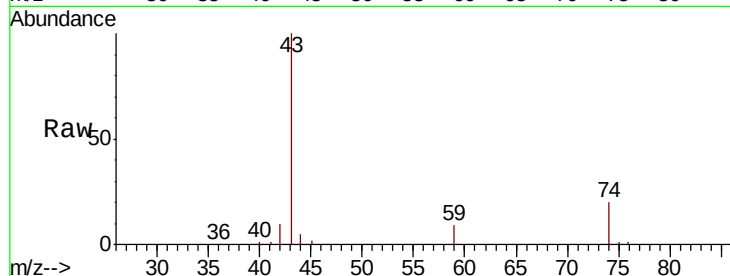




#15
Methvl Acetate
Concen: 8.189 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU040274.D
Acq: 24 Sep 2020 16:20

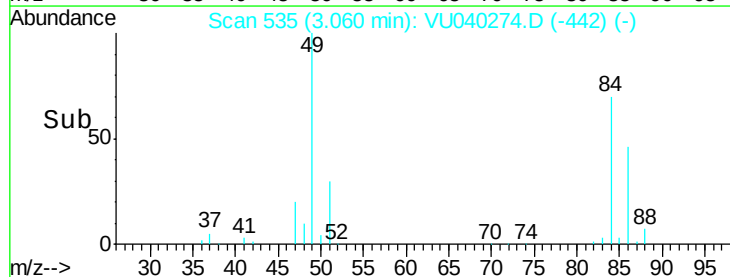
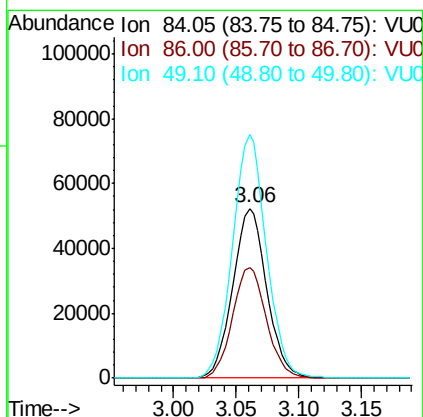
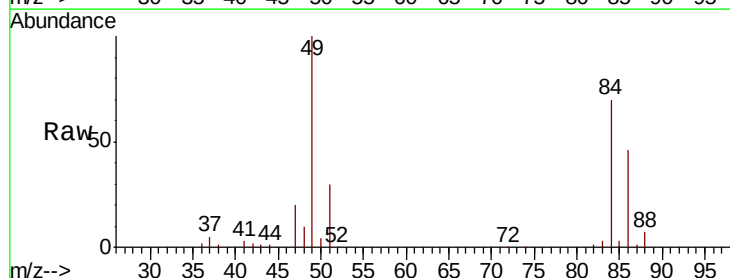
Instrument :
MSVOA_U
ClientSampleId :
VSTD005103

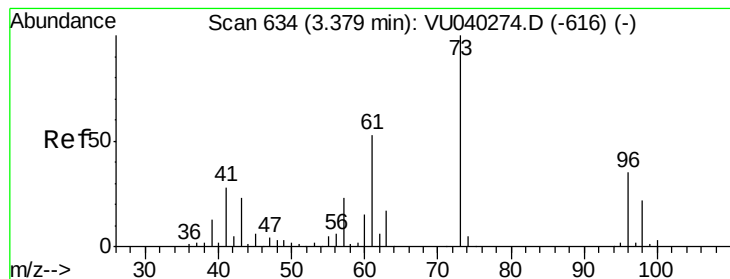
Tot Ion: 43 Resp: 52476
Ion Ratio Lower Upper
43 100
74 21.1 16.9 25.3



#16
Methylene chloride
Concen: 5.062 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040274.D
Acq: 24 Sep 2020 16:20

Tgt Ion: 84 Resp: 98299
Ion Ratio Lower Upper
84 100
86 65.4 45.8 85.0
49 143.4 100.4 186.4





#17

Methyl tert-butyl Ether

Concen: 6.370 ug/L

RT: 3.38 min Scan# 634

Delta R.T. 0.00 min

Lab File: VU040274.D

Acq: 24 Sep 2020 16:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD005103

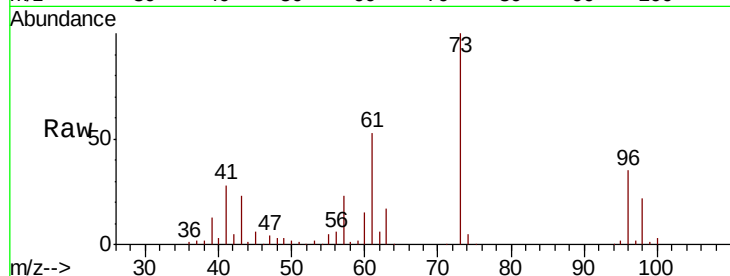
Tot Ion: 73 Resp: 233968

Ion Ratio Lower Upper

73 100

43 23.8 19.0 28.6

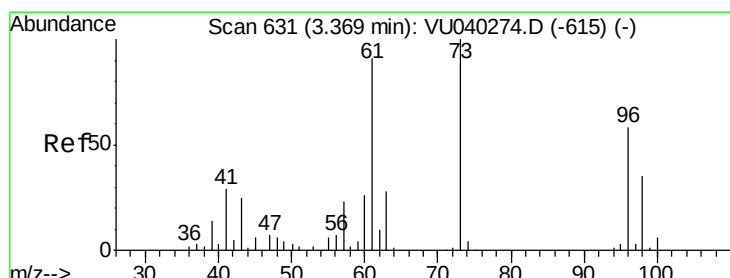
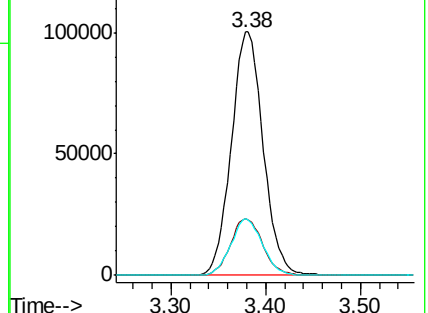
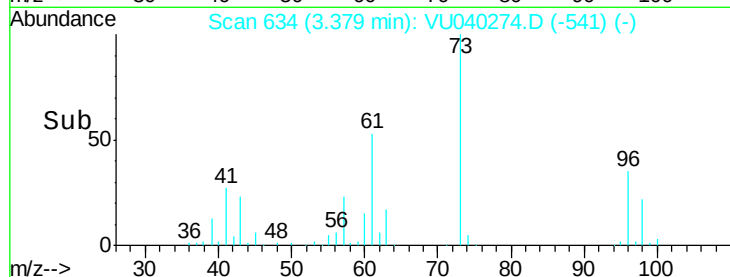
57 23.2 18.6 27.8



Abundance Ion 73.10 (72.80 to 73.80): VU040274.D (-616) (-)

Ion 43.05 (42.75 to 43.75): VU040274.D (-616) (-)

Ion 57.10 (56.80 to 57.80): VU040274.D (-616) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.884 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU040274.D

Acq: 24 Sep 2020 16:20

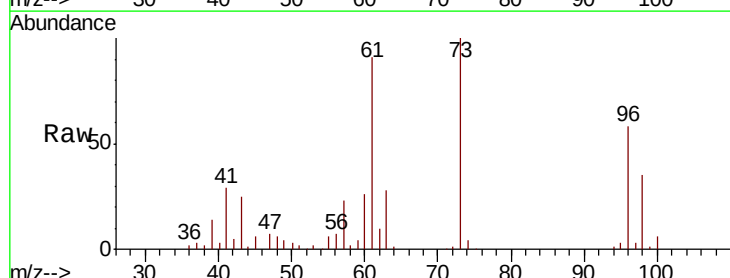
Tgt Ion: 96 Resp: 90344

Ion Ratio Lower Upper

96 100

61 158.1 110.7 205.5

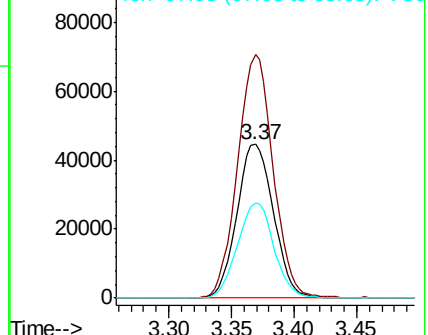
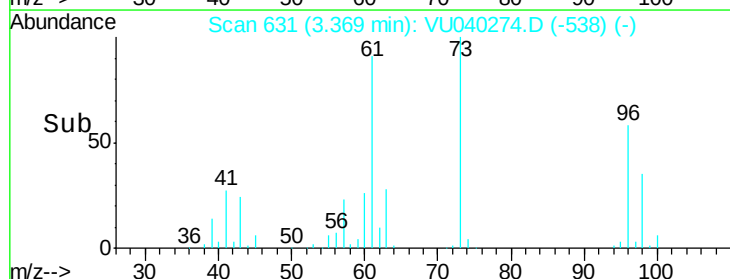
98 61.6 43.1 80.1

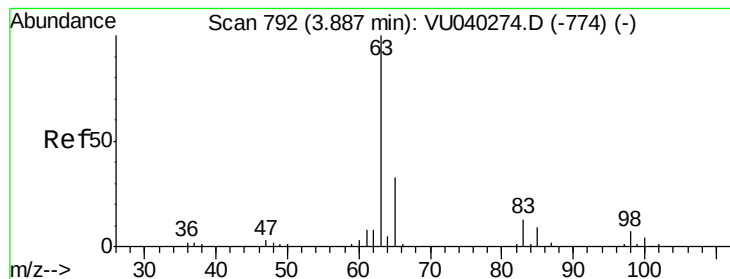


Abundance Ion 96.00 (95.70 to 96.70): VU040274.D (-615) (-)

Ion 61.05 (60.75 to 61.75): VU040274.D (-615) (-)

Ion 97.95 (97.65 to 98.65): VU040274.D (-615) (-)





#19

1,1-Dichloroethane

Concen: 6.462 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU040274.D

Acq: 24 Sep 2020 16:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD005103

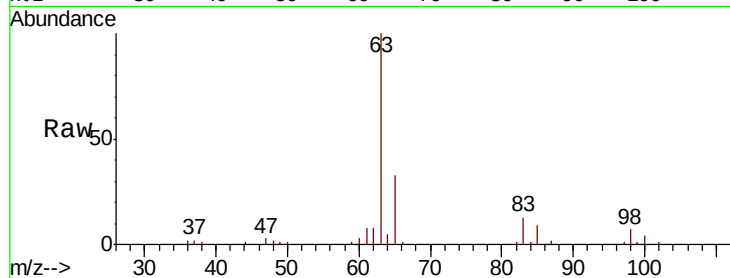
Tot Ion: 63 Resp: 178500

Ion Ratio Lower Upper

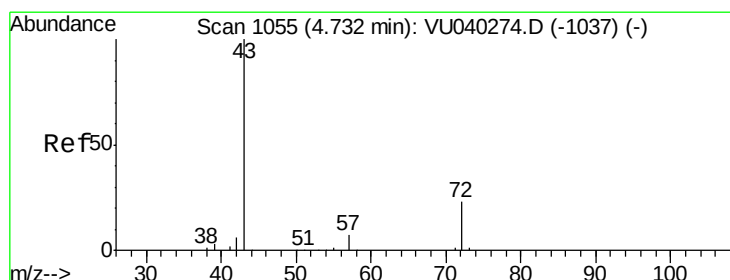
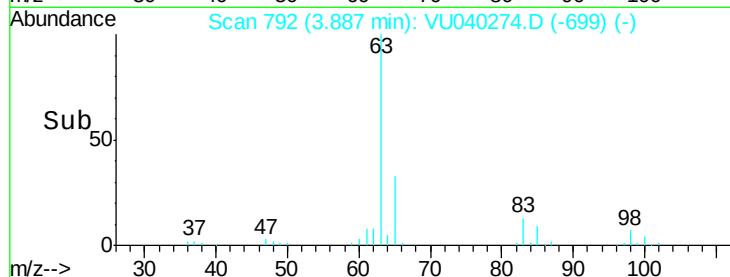
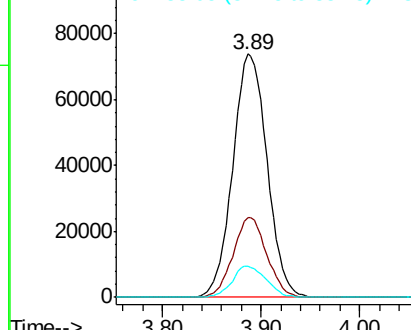
63 100

65 32.8 23.0 42.6

83 12.9 9.0 16.8



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



#21

2-Butanone

Concen: 88.896 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VU040274.D

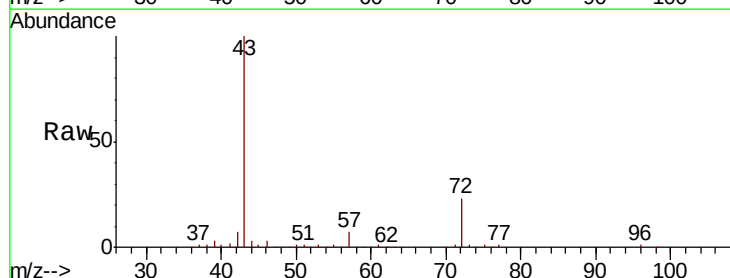
Acq: 24 Sep 2020 16:20

Tgt Ion: 43 Resp: 369105

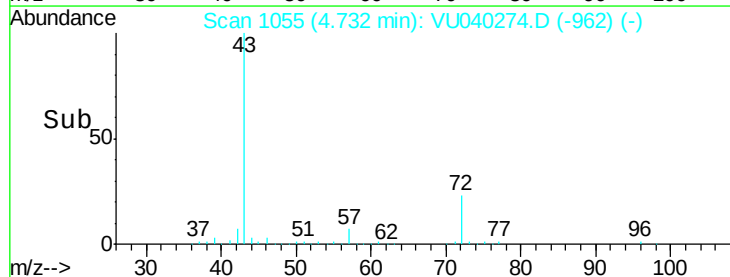
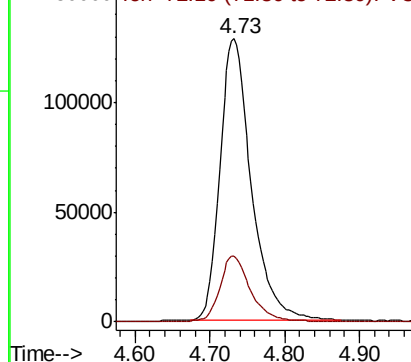
Ion Ratio Lower Upper

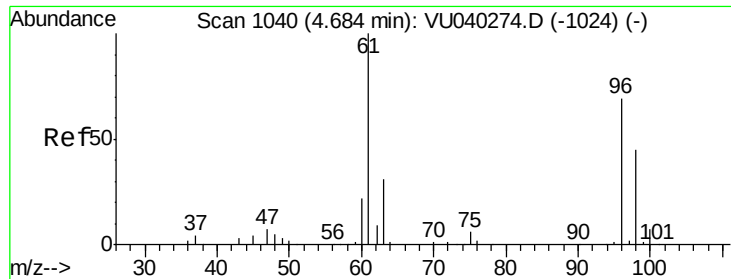
43 100

72 23.5 11.8 35.3



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





#22

cis-1,2-Dichloroethene

Concen: 5.629 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU040274.D

Acq: 24 Sep 2020 16:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD005103

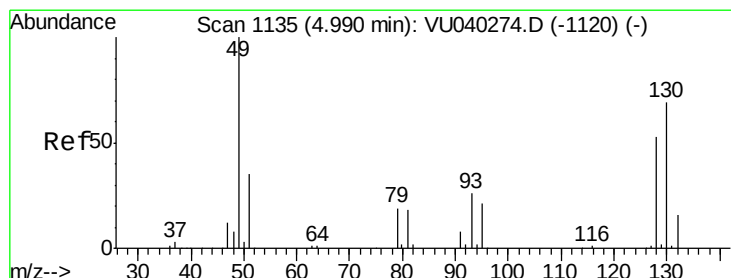
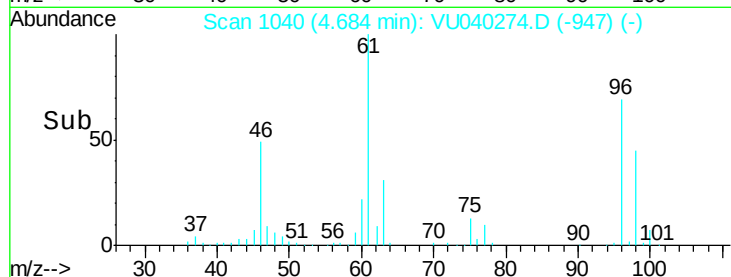
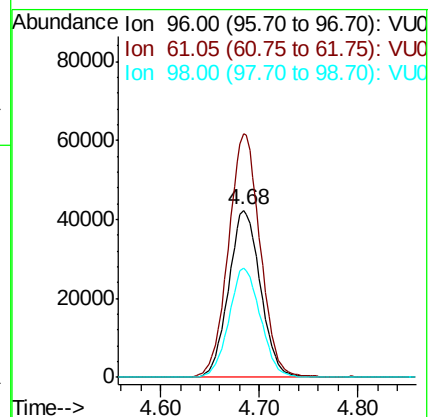
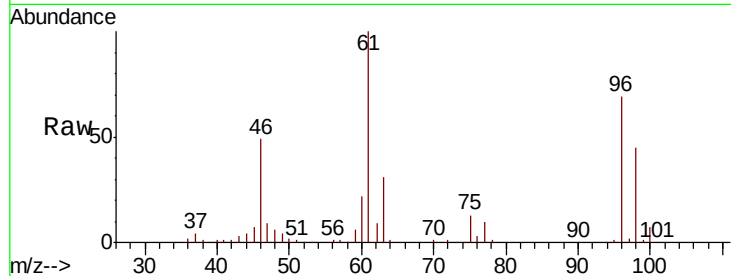
Tot Ion: 96 Resp: 95302

Ion Ratio Lower Upper

96 100

61 145.6 101.9 189.3

98 65.7 46.0 85.4



#23

Bromochloromethane

Concen: 6.123 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VU040274.D

Acq: 24 Sep 2020 16:20

Tgt Ion: 128 Resp: 44416

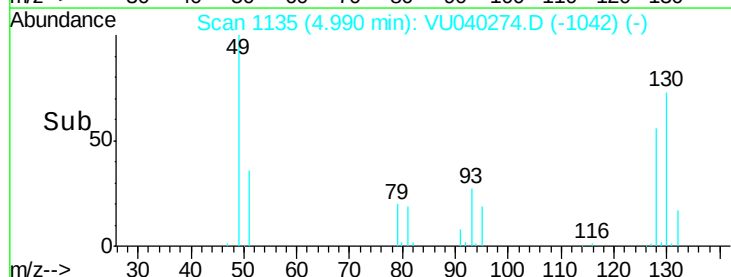
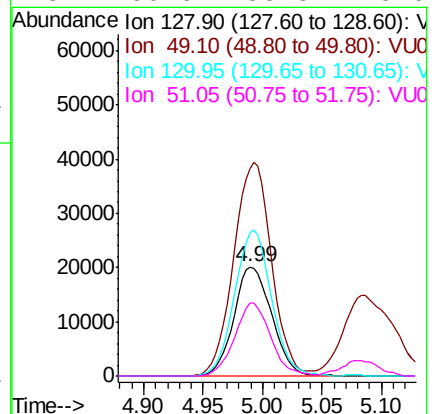
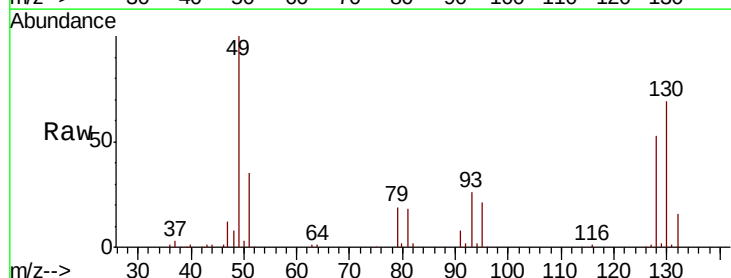
Ion Ratio Lower Upper

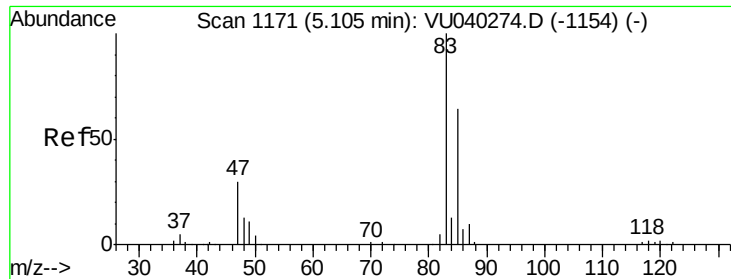
128 100

49 190.0 133.0 247.0

130 131.2 91.8 170.6

51 66.6 53.3 79.9

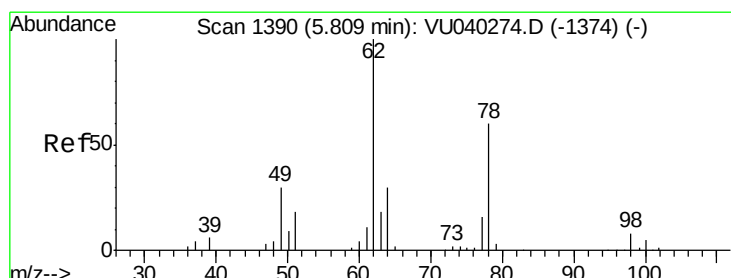
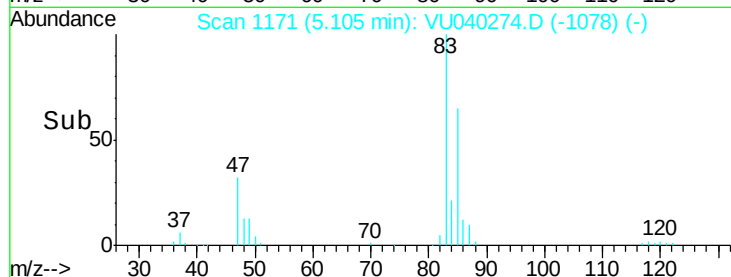
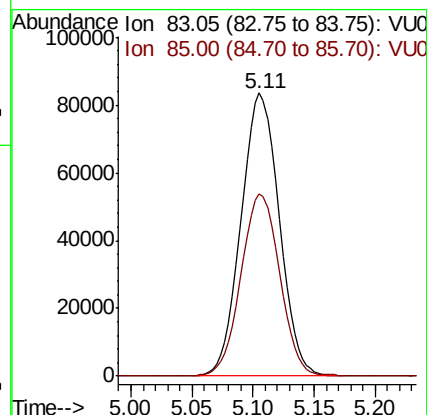
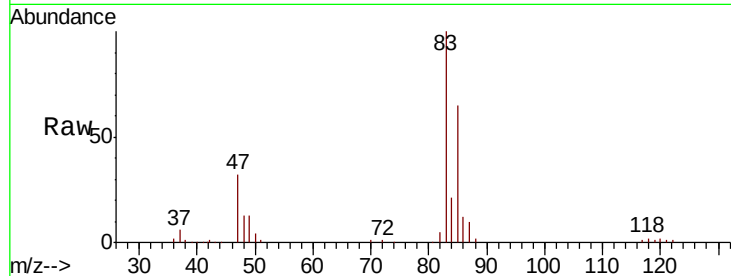




#25
Chloroform
Concen: 6.537 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040274.D
Acq: 24 Sep 2020 16:20

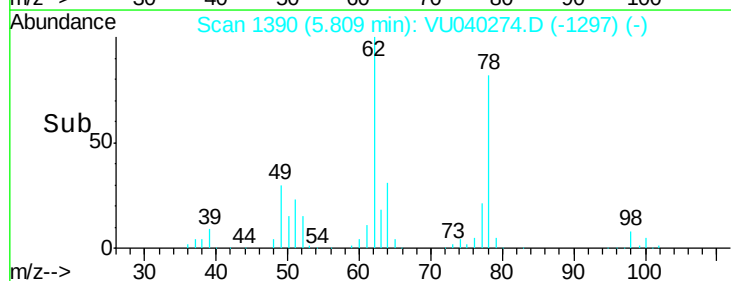
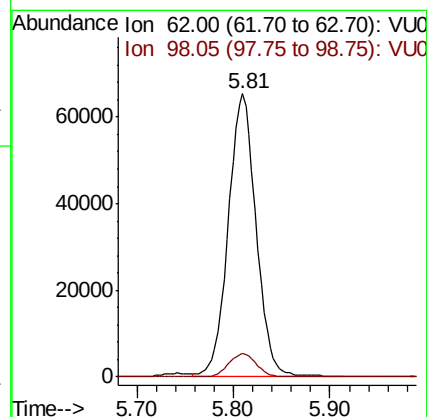
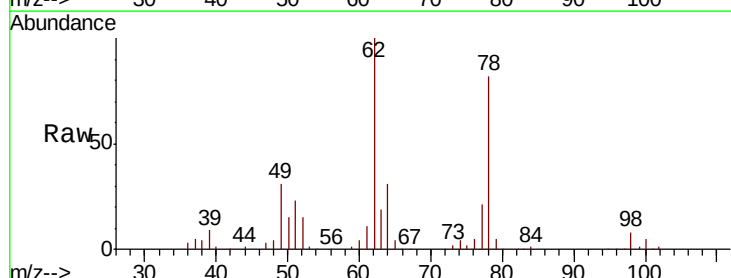
Instrument :
MSVOA_U
ClientSampleId :
VSTD005103

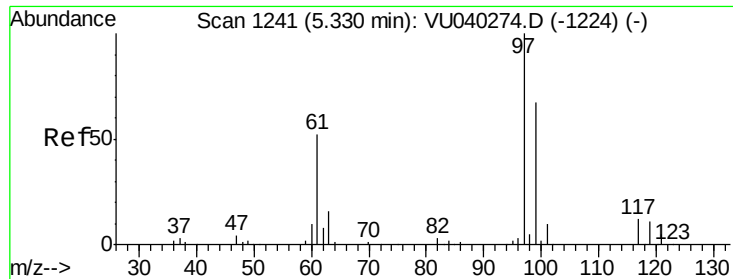
Tot Ion: 83 Resp: 181034
Ion Ratio Lower Upper
83 100
85 64.6 45.2 84.0



#27
1,2-Dichloroethane
Concen: 7.199 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040274.D
Acq: 24 Sep 2020 16:20

Tgt Ion: 62 Resp: 129608
Ion Ratio Lower Upper
62 100
98 8.1 6.5 9.7

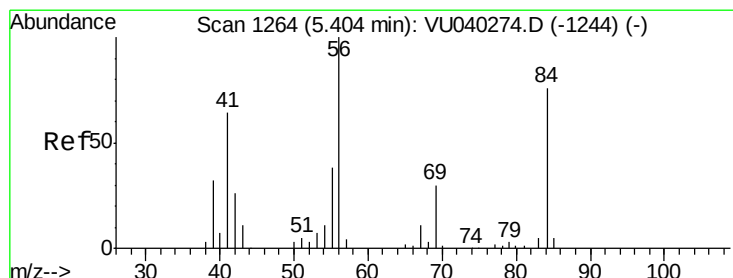
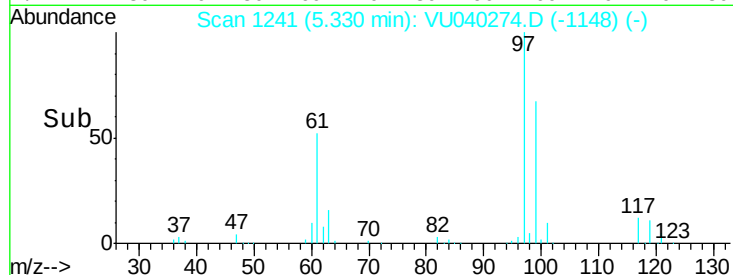
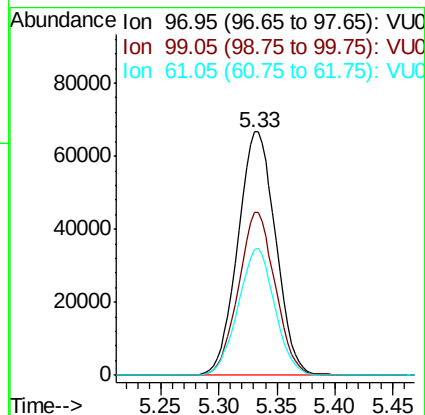
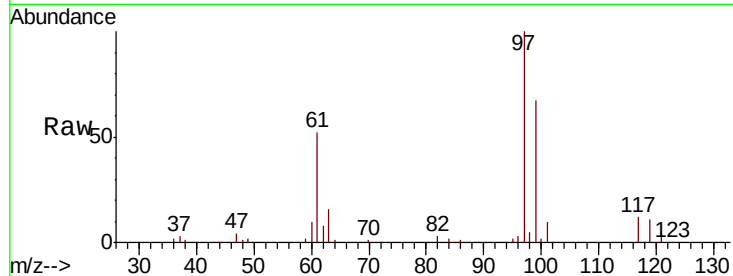




#29
 1,1,1-Trichloroethane
 Concen: 6.294 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. 0.00 min
 Lab File: VU040274.D
 Acq: 24 Sep 2020 16:20

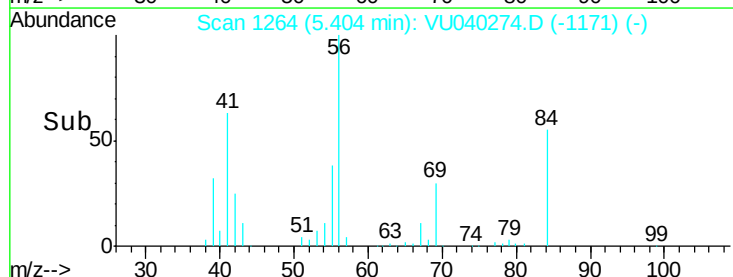
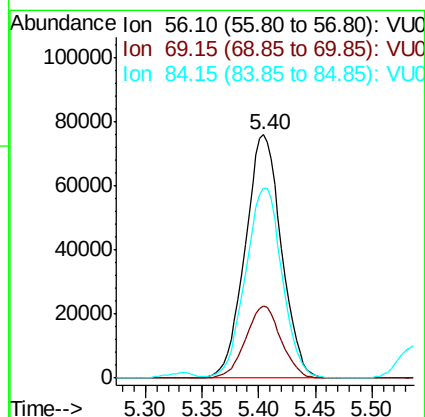
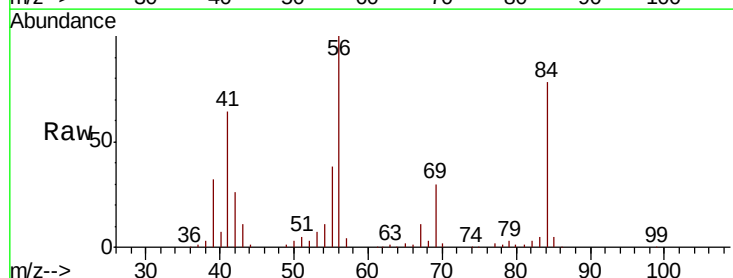
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005103

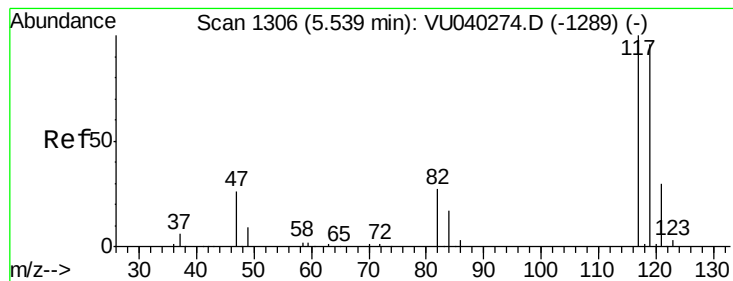
Tot Ion: 97 Resp: 150992
 Ion Ratio Lower Upper
 97 100
 99 65.1 52.1 78.1
 61 50.3 40.2 60.4



#30
 Cyclohexane
 Concen: 6.207 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU040274.D
 Acq: 24 Sep 2020 16:20

Tgt Ion: 56 Resp: 168886
 Ion Ratio Lower Upper
 56 100
 69 28.8 23.0 34.6
 84 79.1 63.3 94.9





#31

Carbon tetrachloride

Concen: 6.445 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU040274.D

Acq: 24 Sep 2020 16:20

Instrument :

MSVOA_U

ClientSampleId :

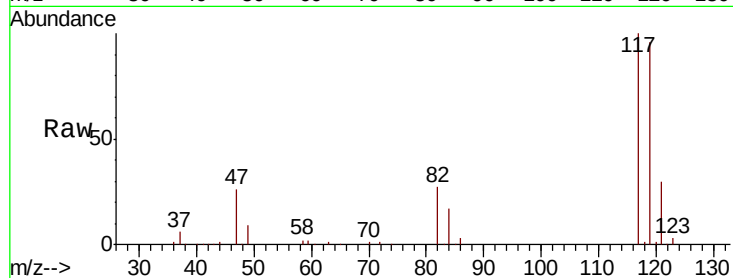
VSTD005103

Tot Ion:117 Resp: 131398

Ion Ratio Lower Upper

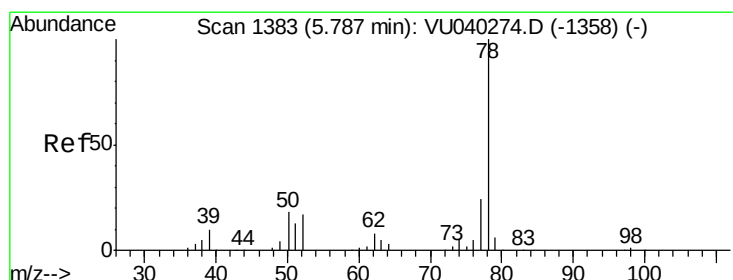
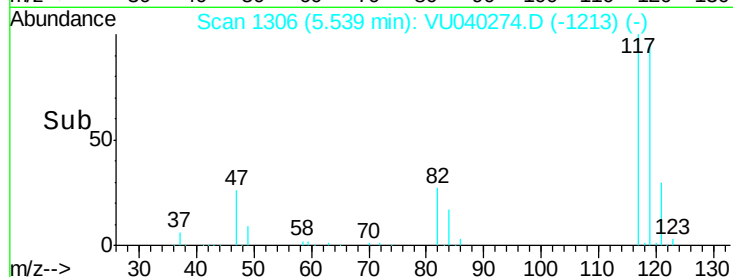
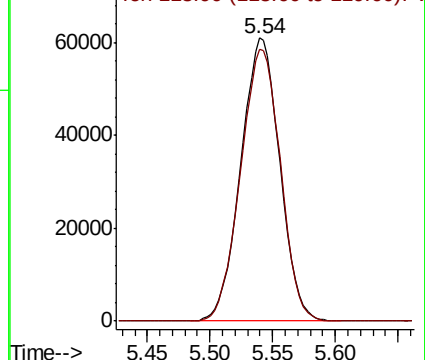
117 100

119 98.2 78.6 117.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.841 ug/L

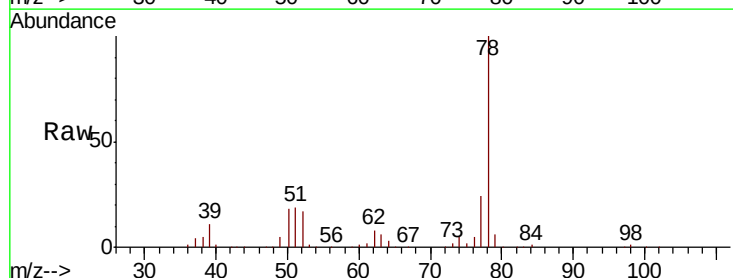
RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

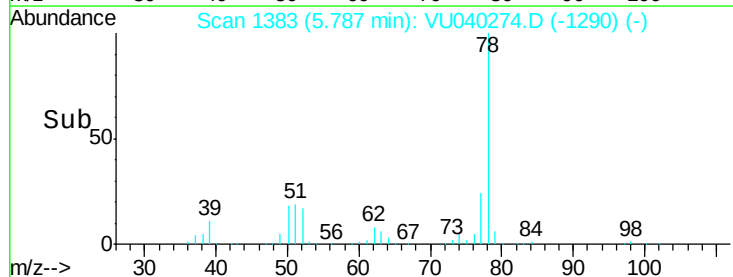
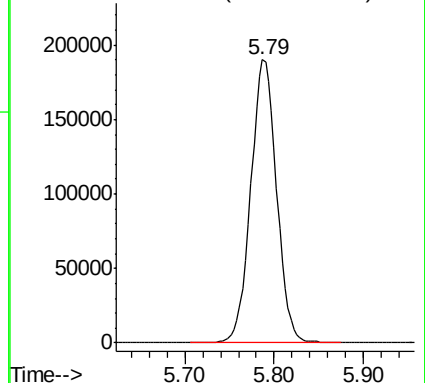
Lab File: VU040274.D

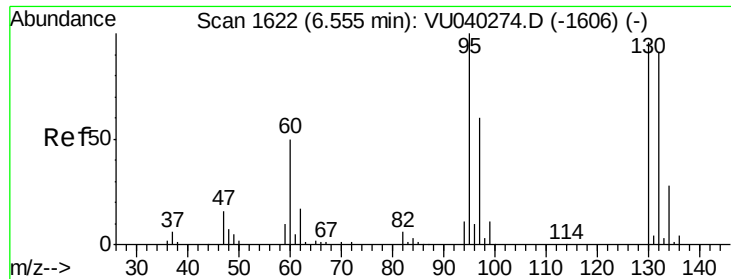
Acq: 24 Sep 2020 16:20

Tgt Ion: 78 Resp: 384412



Abundance Ion 78.10 (77.80 to 78.80): VU0

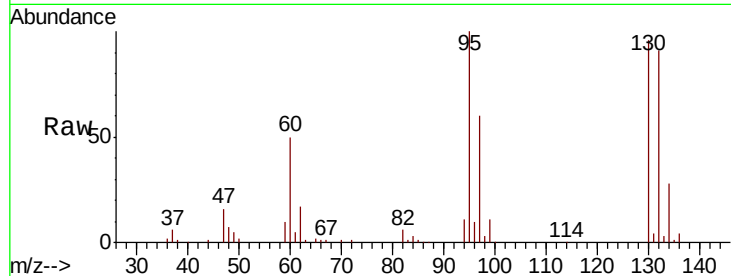




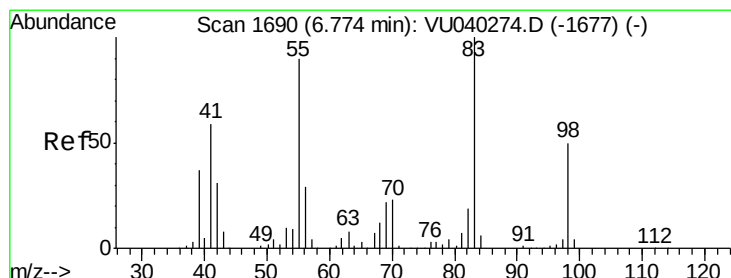
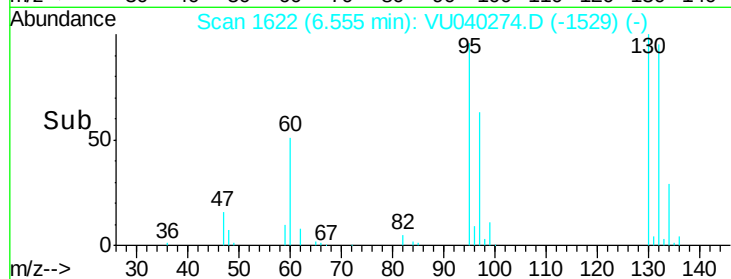
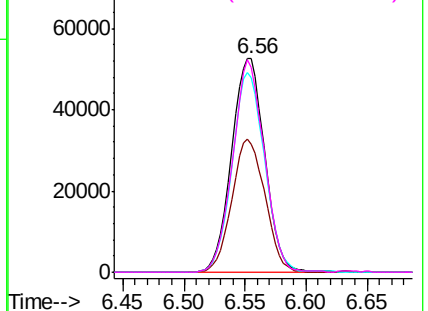
#34
 Trichloroethene
 Concen: 5.743 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040274.D
 Acq: 24 Sep 2020 16:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005103

Tot Ion: 95 Resp: 99391
 Ion Ratio Lower Upper
 95 100
 97 60.2 42.1 78.3
 132 91.1 63.8 118.4
 130 96.2 67.3 125.1

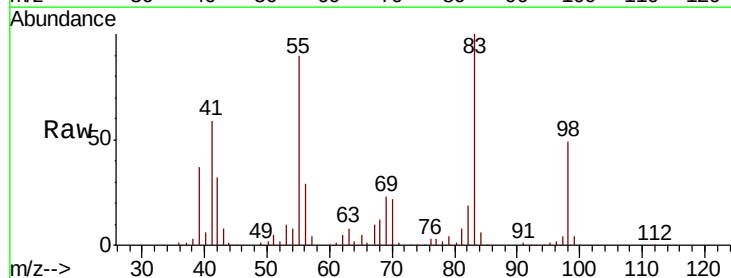


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

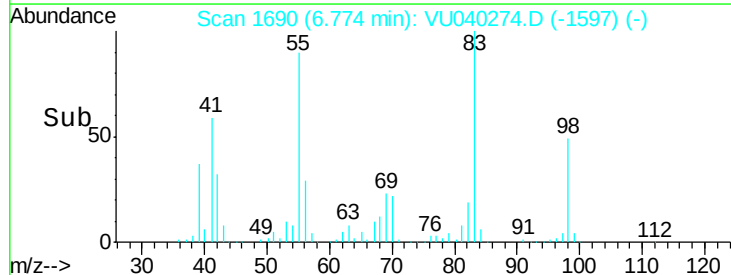
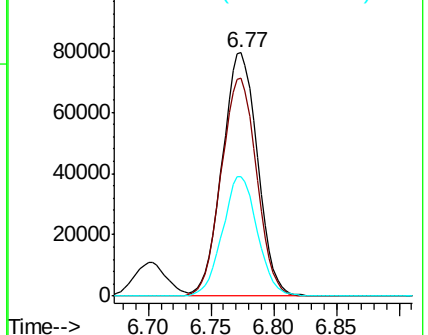


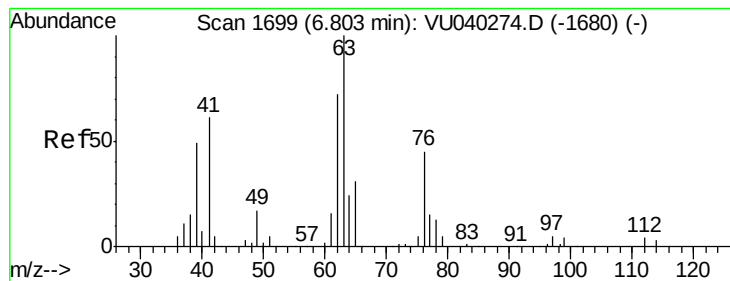
#35
 Methylcyclohexane
 Concen: 5.350 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040274.D
 Acq: 24 Sep 2020 16:20

Tgt Ion: 83 Resp: 155558
 Ion Ratio Lower Upper
 83 100
 55 89.6 71.7 107.5
 98 48.3 38.6 58.0



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





#37

1,2-Dichloropropane

Concen: 6.141 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU040274.D

Acq: 24 Sep 2020 16:20

Instrument :

MSVOA_U

ClientSampleId :

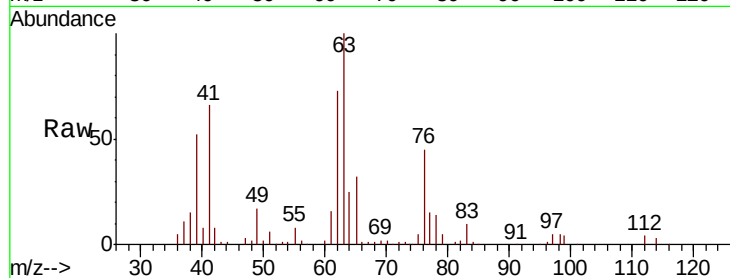
VSTD005103

Tot Ion: 63 Resp: 101303

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VU040274.D (-1680) (-)

Ion 112.10 (111.80 to 112.80): VU040274.D (-1680) (-)

6.80

60000

50000

40000

30000

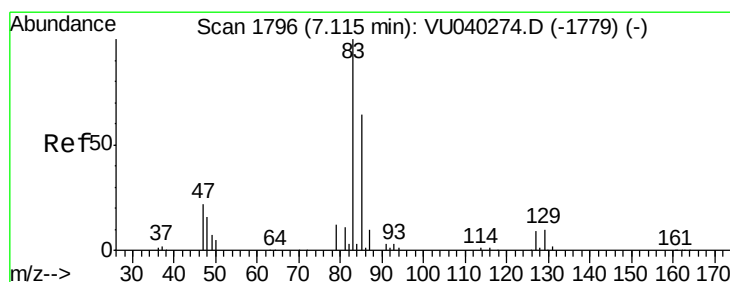
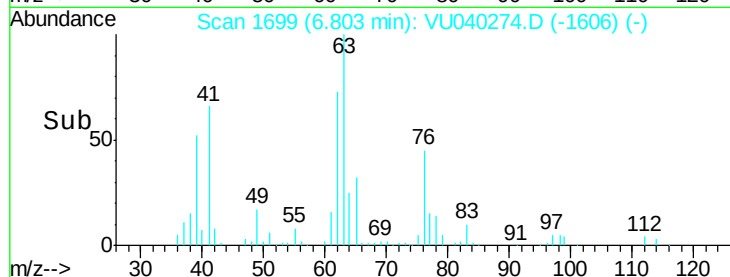
20000

10000

0

6.70 6.75 6.80 6.85

Time-->



#38

Bromodichloromethane

Concen: 6.349 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU040274.D

Acq: 24 Sep 2020 16:20

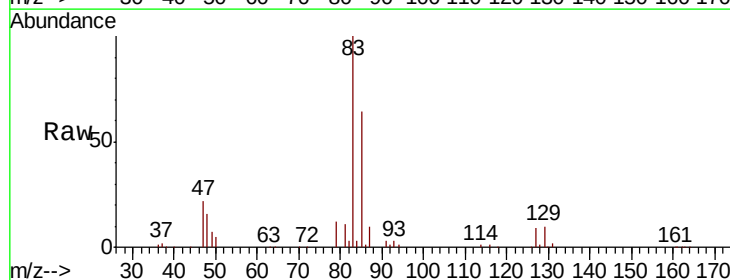
Tgt Ion: 83 Resp: 129681

Ion Ratio Lower Upper

83 100

85 63.7 44.6 82.8

127 8.5 6.8 10.2



Abundance Ion 82.95 (82.65 to 83.65): VU040274.D (-1779) (-)

Ion 85.00 (84.70 to 85.70): VU040274.D (-1779) (-)

Ion 126.90 (126.60 to 127.60): VU040274.D (-1779) (-)

7.11

80000

60000

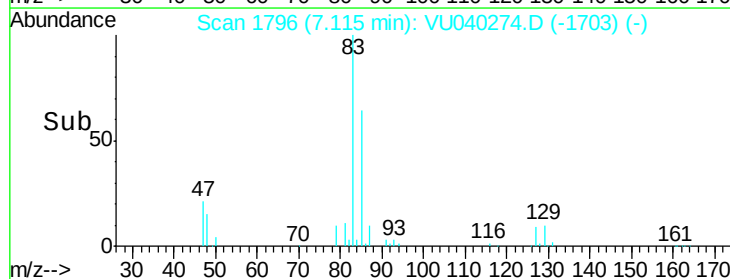
40000

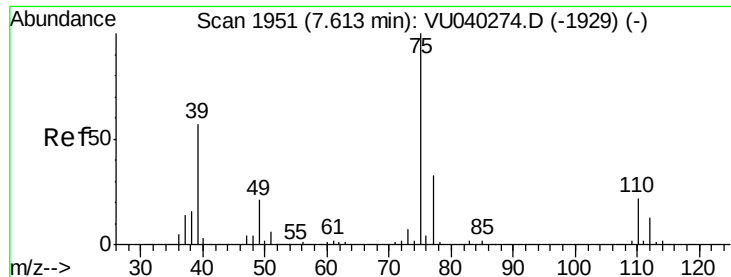
20000

0

7.00 7.05 7.10 7.15 7.20

Time-->





#39

cis-1,3-Dichloropropene

Concen: 5.711 ug/L

RT: 7.61 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VU040274.D

Acq: 24 Sep 2020 16:20

Instrument :

MSVOA_U

ClientSampleId :

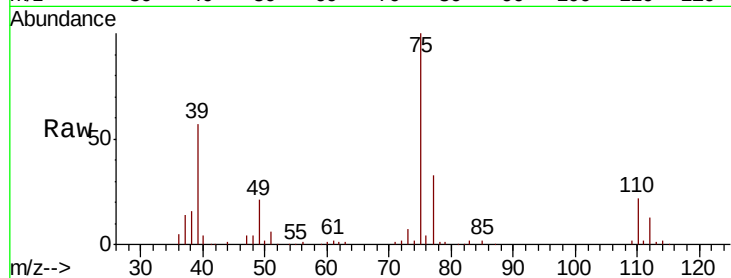
VSTD005103

Tot Ion: 75 Resp: 142817

Ion Ratio Lower Upper

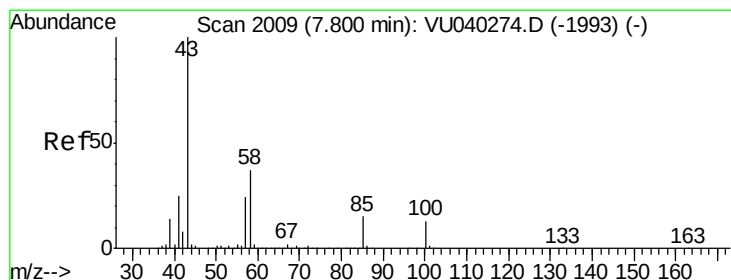
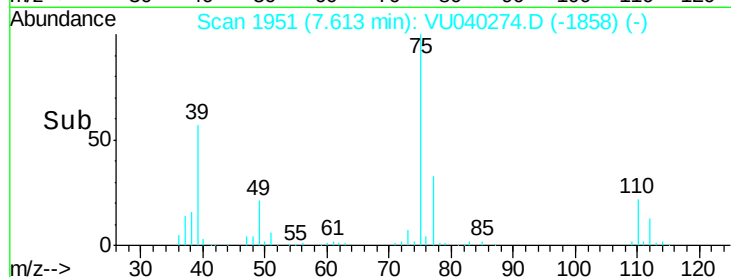
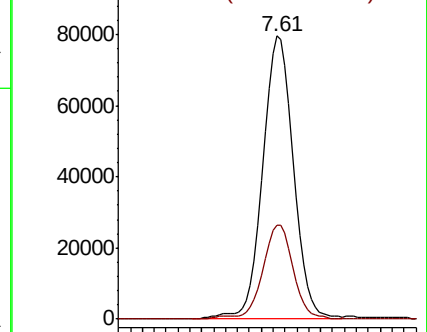
75 100

77 33.4 23.4 43.4



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#40

4-Methyl-2-pentanone

Concen: 81.410 ug/L

RT: 7.80 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VU040274.D

Acq: 24 Sep 2020 16:20

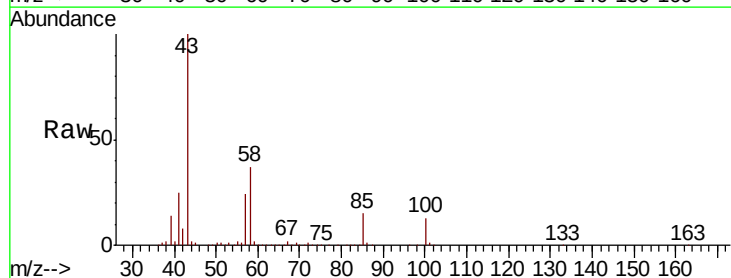
Tgt Ion: 43 Resp: 850623

Ion Ratio Lower Upper

43 100

58 36.0 28.8 43.2

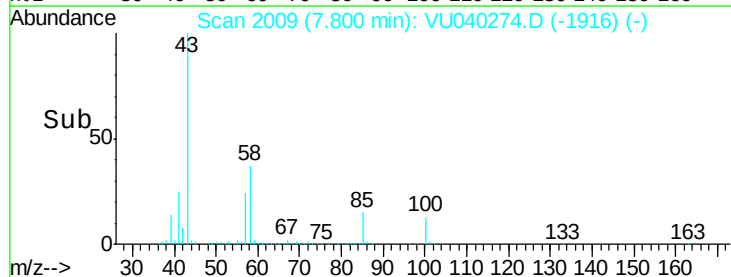
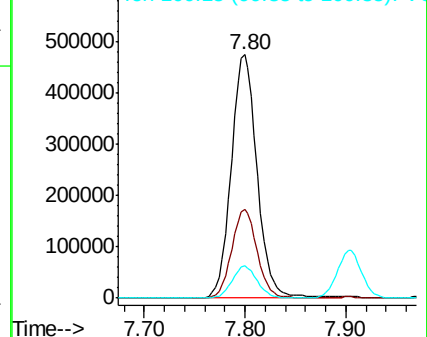
100 12.9 10.3 15.5

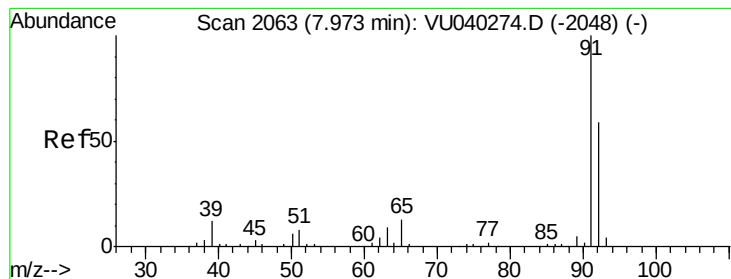


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 100.15 (99.85 to 100.85): VU0





#42

Toluene

Concen: 5.541 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU040274.D

Acq: 24 Sep 2020 16:20

Instrument :

MSVOA_U

ClientSampleId :

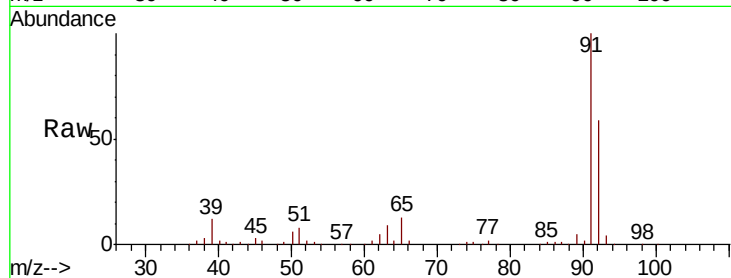
VSTD005103

Tot Ion: 91 Resp: 396076

Ion Ratio Lower Upper

91 100

92 58.6 41.0 76.2



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.97

250000

200000

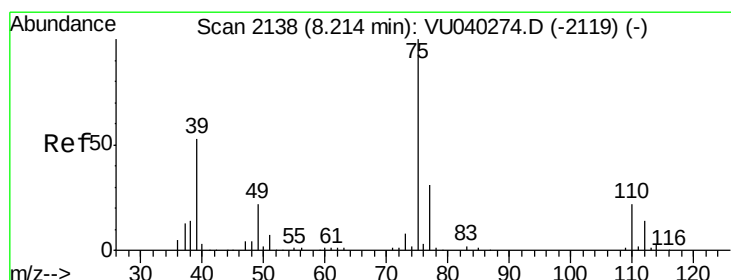
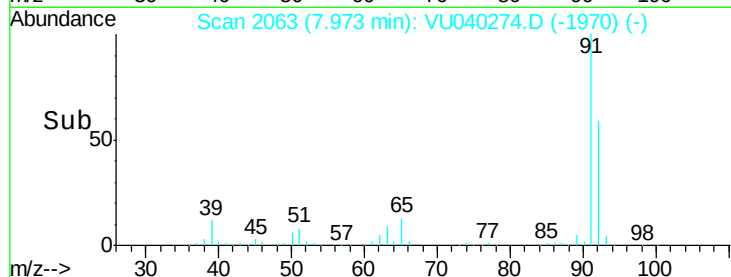
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 6.714 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU040274.D

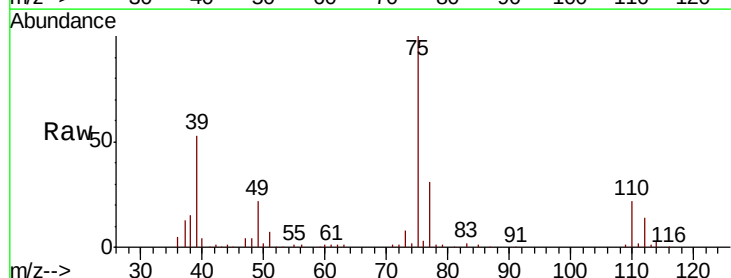
Acq: 24 Sep 2020 16:20

Tgt Ion: 75 Resp: 135977

Ion Ratio Lower Upper

75 100

77 30.9 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.21

80000

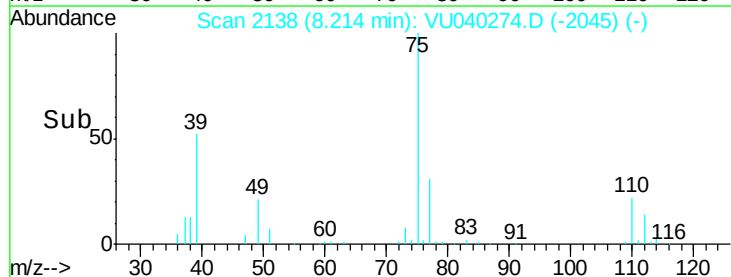
60000

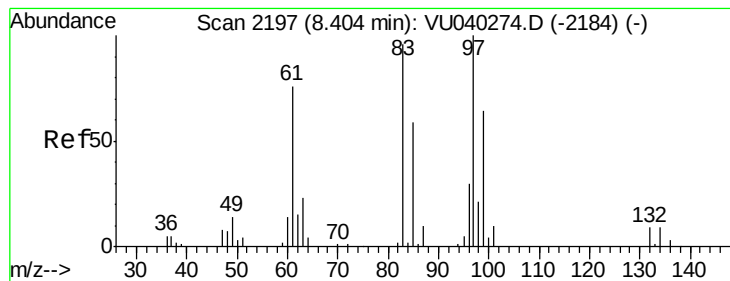
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.953 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU040274.D

Acq: 24 Sep 2020 16:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD005103

Tot Ion: 97 Resp: 71920

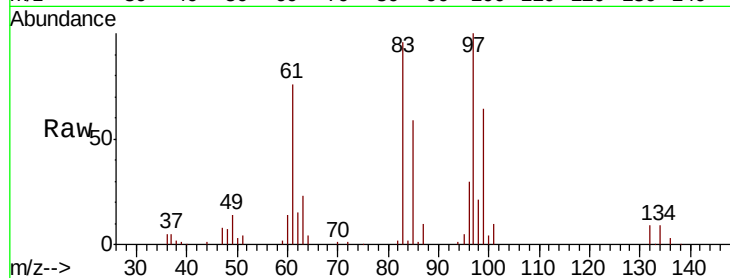
Ion Ratio Lower Upper

97 100

99 64.1 44.9 83.3

83 96.1 67.3 124.9

85 59.3 41.5 77.1

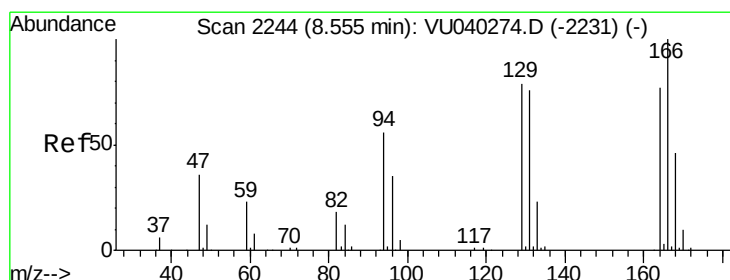
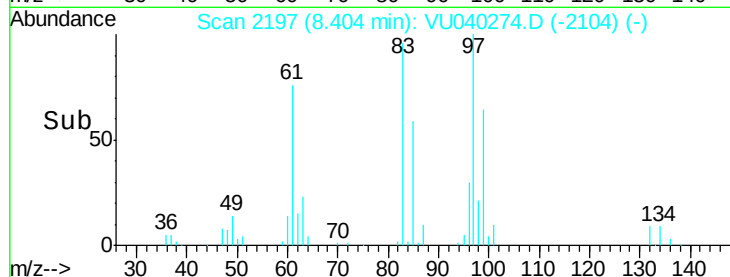
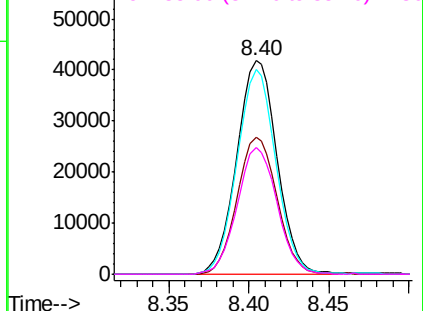


Abundance Ion 96.95 (96.65 to 97.65): VU040274.D (-2197) (-)

Ion 99.05 (98.75 to 99.75): VU040274.D (-2197) (-)

Ion 82.95 (82.65 to 83.65): VU040274.D (-2197) (-)

Ion 85.00 (84.70 to 85.70): VU040274.D (-2197) (-)



#47

Tetrachloroethene

Concen: 5.144 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU040274.D

Acq: 24 Sep 2020 16:20

Tgt Ion: 164 Resp: 70461

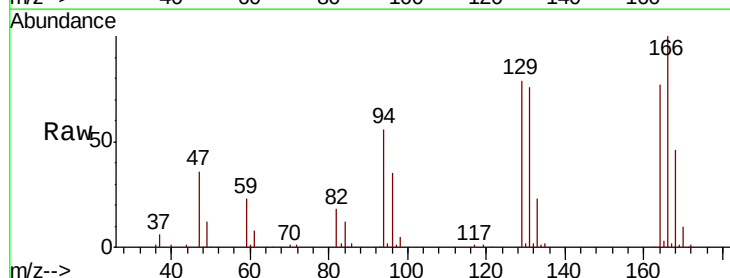
Ion Ratio Lower Upper

164 100

129 102.1 71.5 132.7

131 98.7 69.1 128.3

166 129.9 90.9 168.9

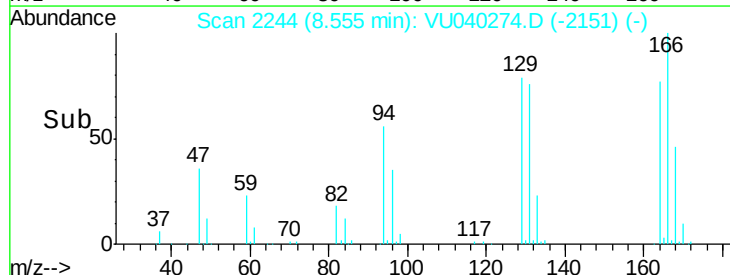
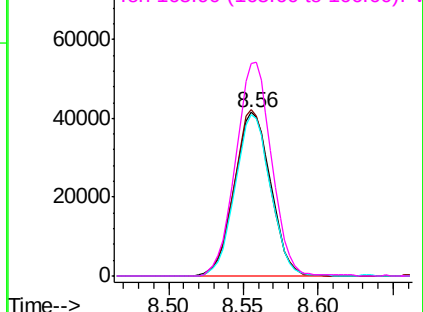


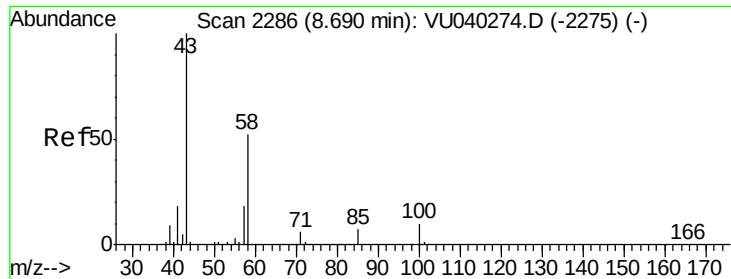
Abundance Ion 163.90 (163.60 to 164.60): VU040274.D (-2244) (-)

Ion 128.95 (128.65 to 129.65): VU040274.D (-2244) (-)

Ion 130.95 (130.65 to 131.65): VU040274.D (-2244) (-)

Ion 165.90 (165.60 to 166.60): VU040274.D (-2244) (-)

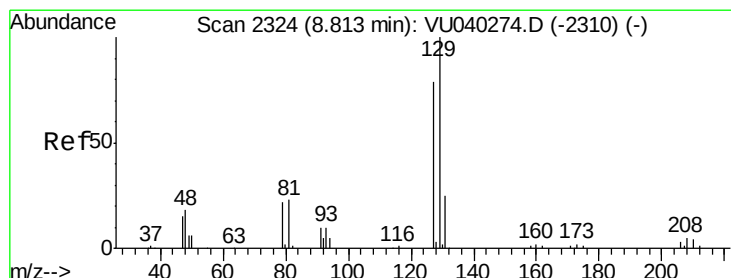
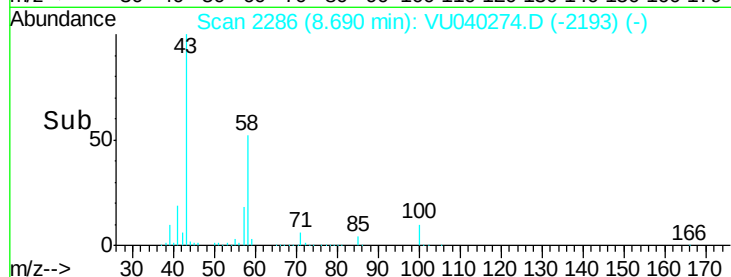
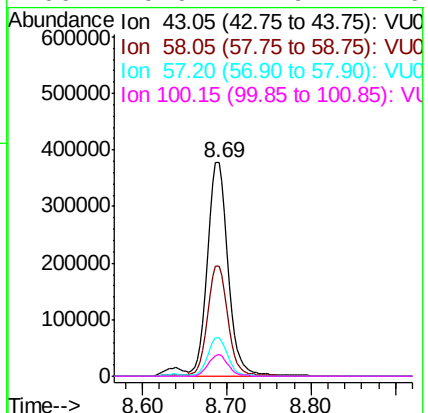
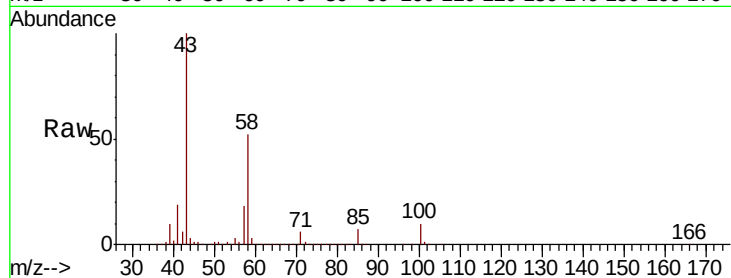




#48
2-Hexanone
Concen: 86.847 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040274.D
Acq: 24 Sep 2020 16:20

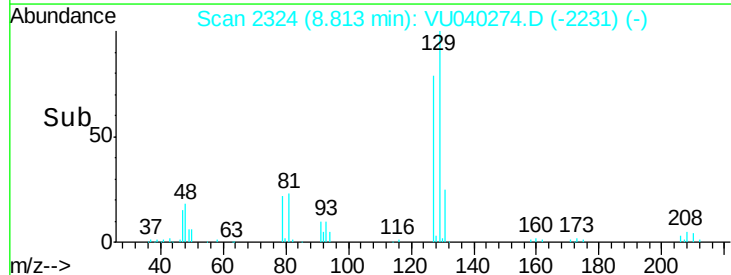
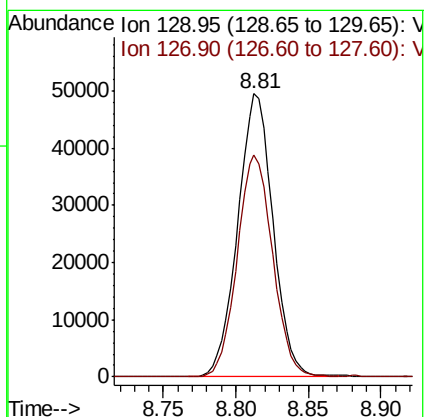
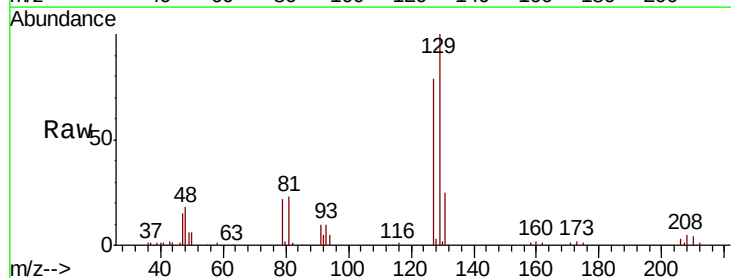
Instrument :
MSVOA_U
ClientSampleId :
VSTD005103

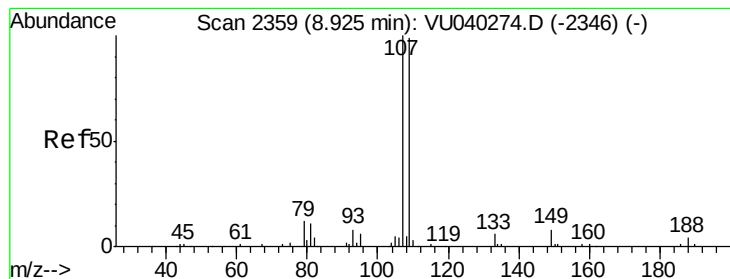
Tot Ion: 43 Resp: 643143
Ion Ratio Lower Upper
43 100
58 49.9 39.9 59.9
57 17.3 13.8 20.8
100 9.9 7.9 11.9



#49
Dibromochloromethane
Concen: 6.031 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU040274.D
Acq: 24 Sep 2020 16:20

Tgt Ion: 129 Resp: 83958
Ion Ratio Lower Upper
129 100
127 78.6 55.0 102.2





#50

1,2-Dibromoethane

Concen: 5.950 ug/L

RT: 8.93 min Scan# 2359

Delta R.T. 0.00 min

Lab File: VU040274.D

Acq: 24 Sep 2020 16:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD005103

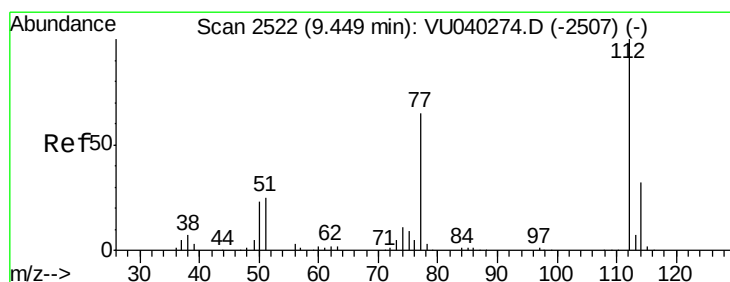
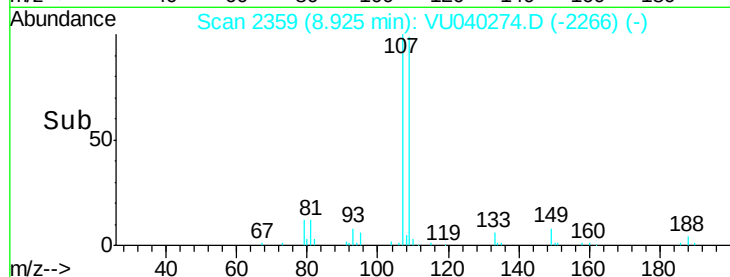
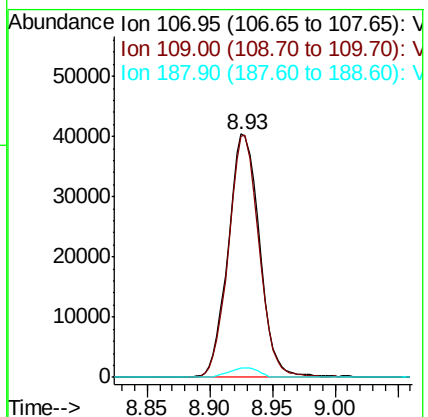
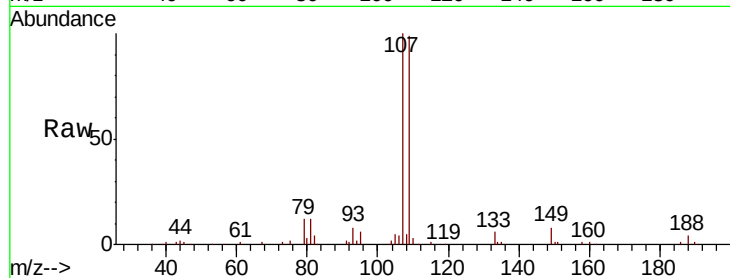
Tot Ion:107 Resp: 70502

Ion Ratio Lower Upper

107 100

109 99.2 69.4 129.0

188 3.6 2.9 4.3



#51

Chlorobenzene

Concen: 5.355 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040274.D

Acq: 24 Sep 2020 16:20

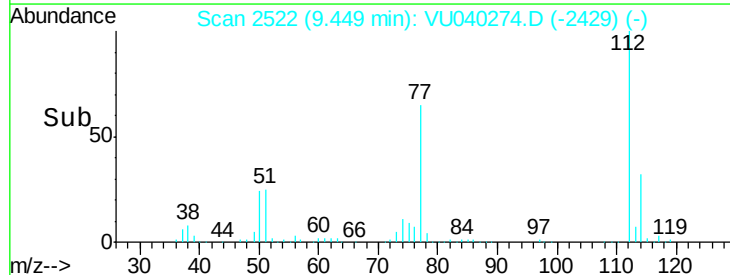
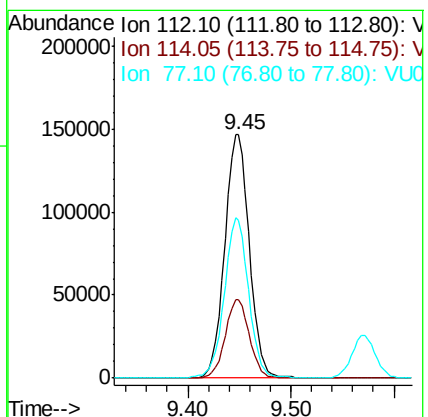
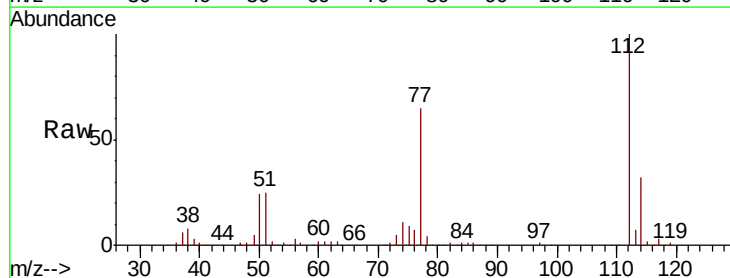
Tgt Ion:112 Resp: 243511

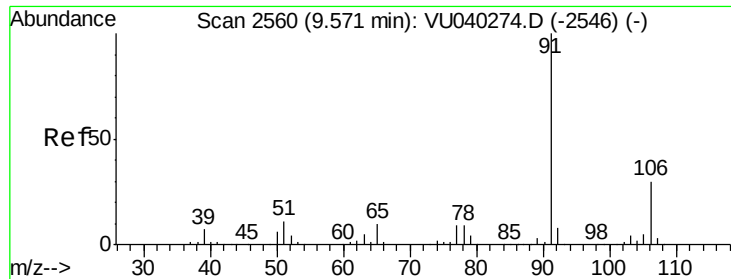
Ion Ratio Lower Upper

112 100

114 32.5 22.7 42.3

77 65.0 52.0 78.0





#52

Ethylbenzene

Concen: 5.554 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040274.D

Acq: 24 Sep 2020 16:20

Instrument :

MSVOA_U

ClientSampleId :

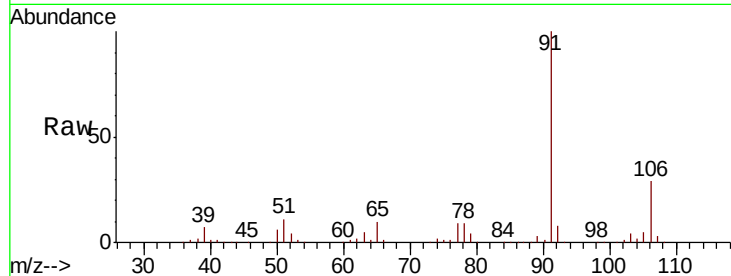
VSTD005103

Tot Ion: 91 Resp: 432081

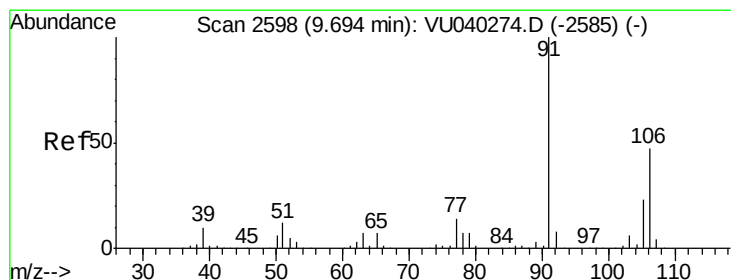
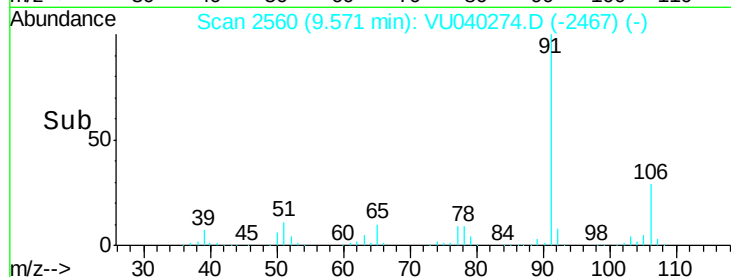
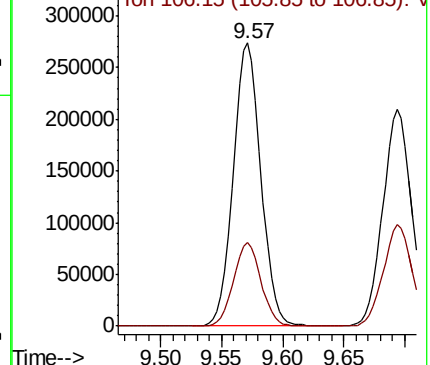
Ion Ratio Lower Upper

91 100

106 29.5 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VU040274.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.350 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040274.D

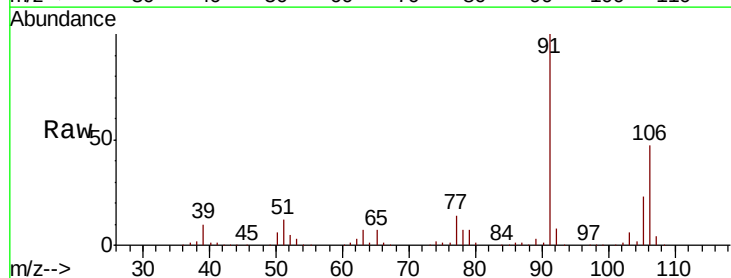
Acq: 24 Sep 2020 16:20

Tgt Ion: 106 Resp: 159393

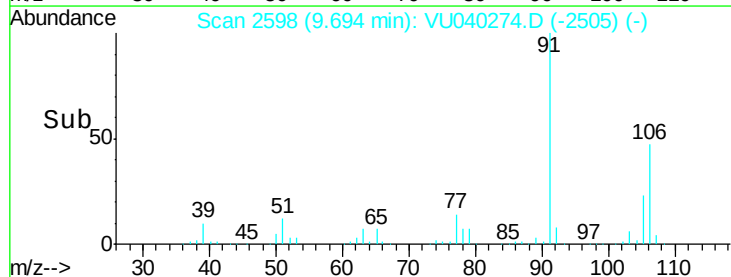
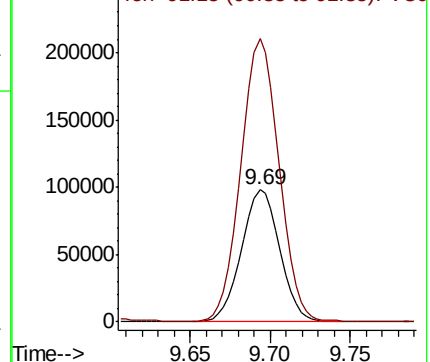
Ion Ratio Lower Upper

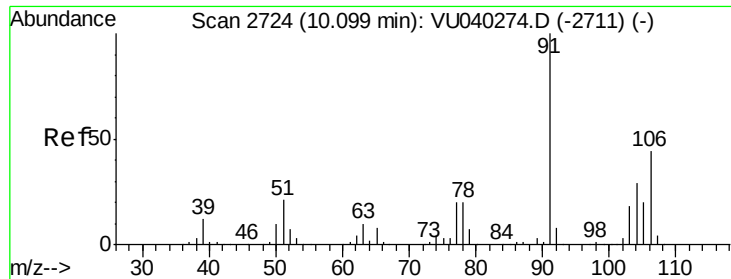
106 100

91 214.8 150.4 279.2



Abundance Ion 106.15 (105.85 to 106.85): VU040274.D (-2585) (-)

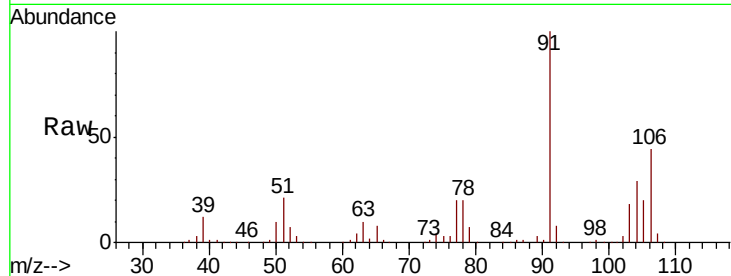




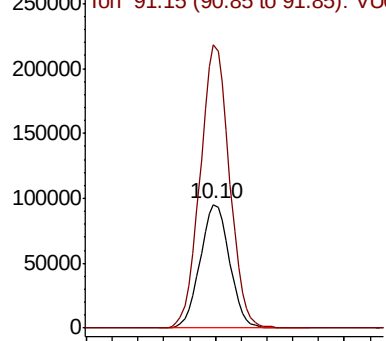
#54
o-Xylene
Concen: 5.202 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU040274.D
Acq: 24 Sep 2020 16:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD005103

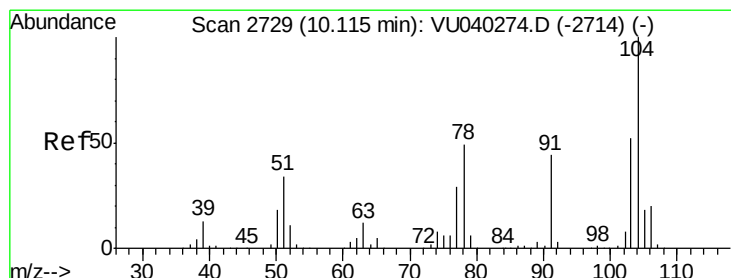
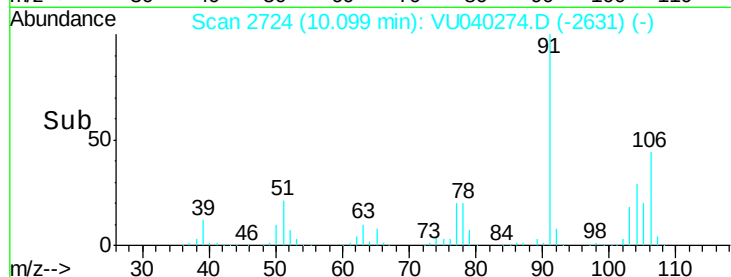
Tot Ion:106 Resp: 151254
Ion Ratio Lower Upper
106 100
91 229.3 160.5 298.1



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

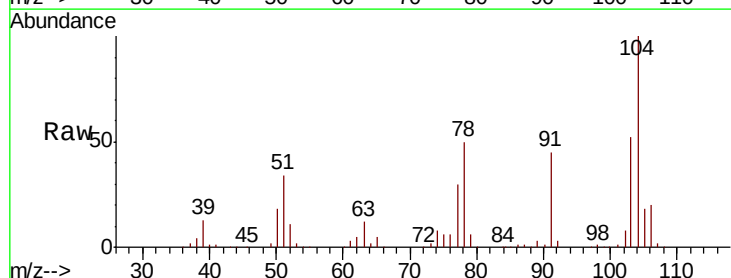


Time--> 10.00 10.10 10.20

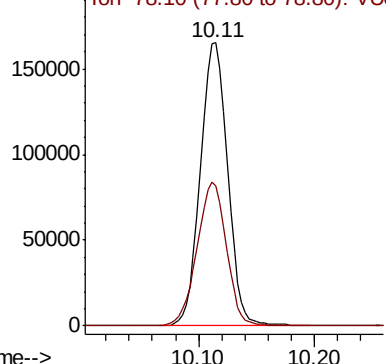


#55
Styrene
Concen: 5.537 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040274.D
Acq: 24 Sep 2020 16:20

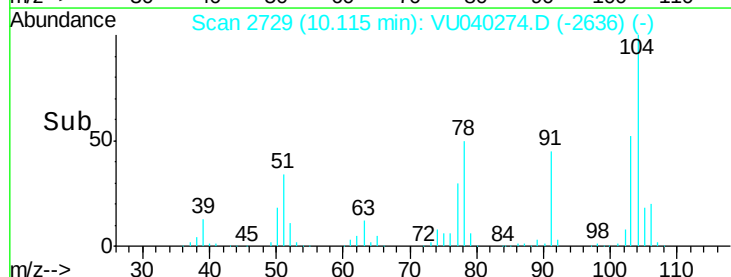
Tgt Ion:104 Resp: 267809
Ion Ratio Lower Upper
104 100
78 49.5 34.6 64.3

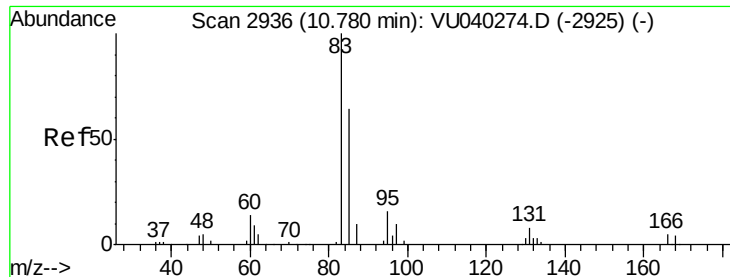


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0



Time--> 10.10 10.20





#57

1,1,2,2-Tetrachloroethane

Concen: 6.270 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040274.D

Acq: 24 Sep 2020 16:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD005103

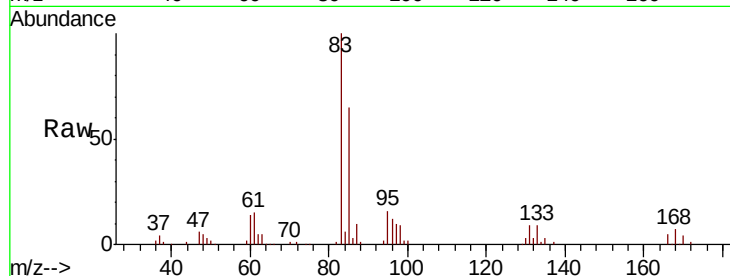
Tot Ion: 83 Resp: 97137

Ion	Ratio	Lower	Upper
83	100		
85	65.0	45.5	84.5
131	9.3	7.4	11.2

83 100

85 65.0 45.5 84.5

131 9.3 7.4 11.2

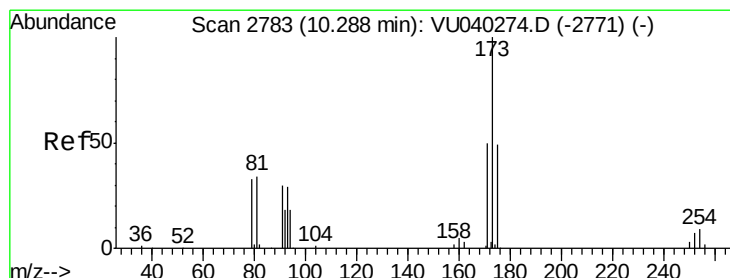
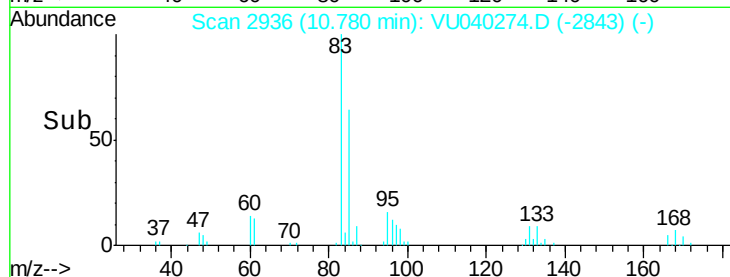
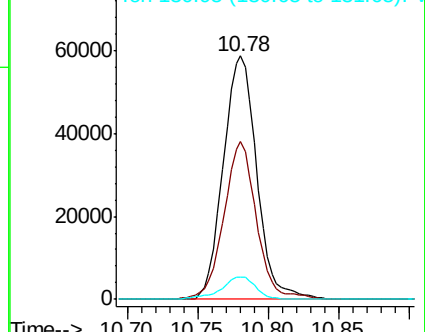


Abundance

Ion 82.95 (82.65 to 83.65): VU040274.D (-2925) (-)

Ion 85.00 (84.70 to 85.70): VU040274.D (-2925) (-)

Ion 130.95 (130.65 to 131.65): VU040274.D (-2925) (-)



#59

Bromoform

Concen: 5.744 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. 0.00 min

Lab File: VU040274.D

Acq: 24 Sep 2020 16:20

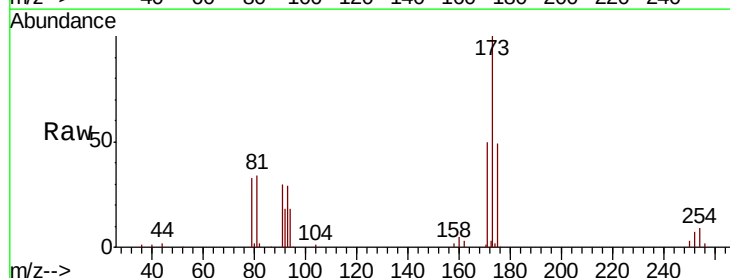
Tgt Ion: 173 Resp: 46828

Ion	Ratio	Lower	Upper
173	100		
175	48.8	39.0	58.6
254	8.9	7.1	10.7

173 100

175 48.8 39.0 58.6

254 8.9 7.1 10.7

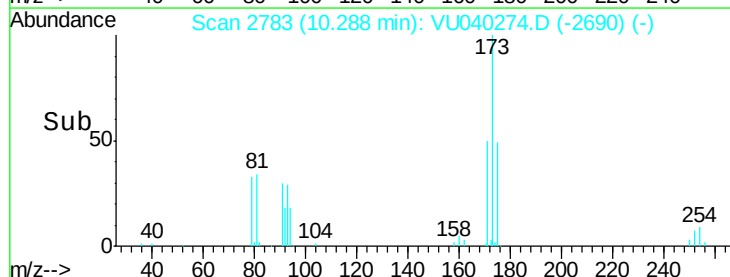
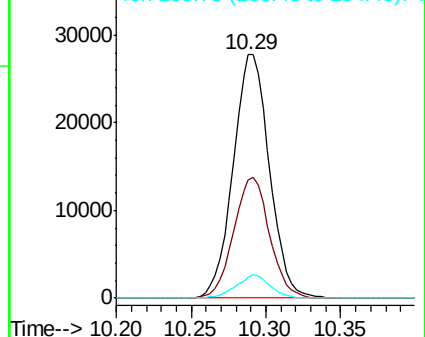


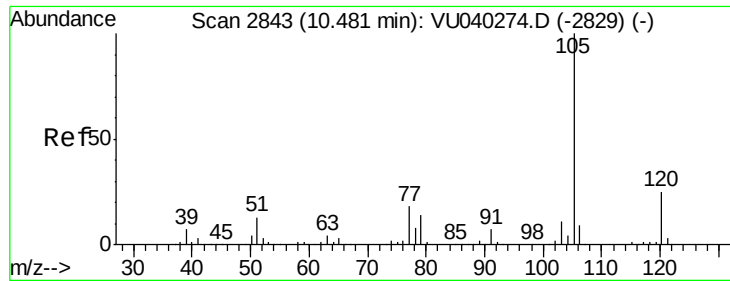
Abundance

Ion 172.90 (172.60 to 173.60): VU040274.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU040274.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU040274.D (-2771) (-)





#60

Isopropylbenzene

Concen: 5.135 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU040274.D

Acq: 24 Sep 2020 16:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD005103

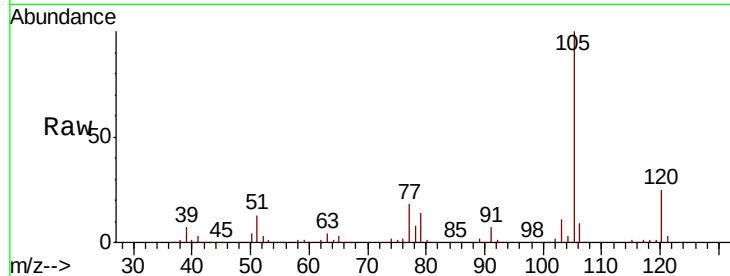
Tot Ion:105 Resp: 409950

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

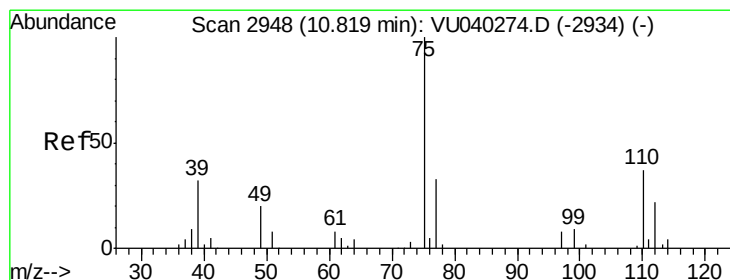
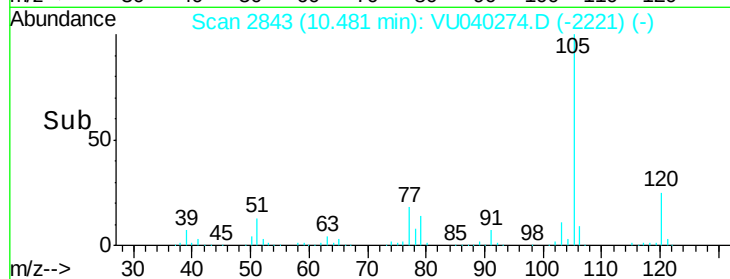
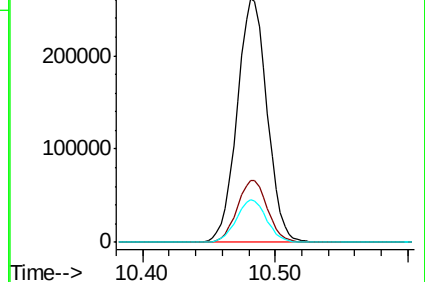
77 17.7 14.2 21.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 6.189 ug/L

RT: 10.82 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU040274.D

Acq: 24 Sep 2020 16:20

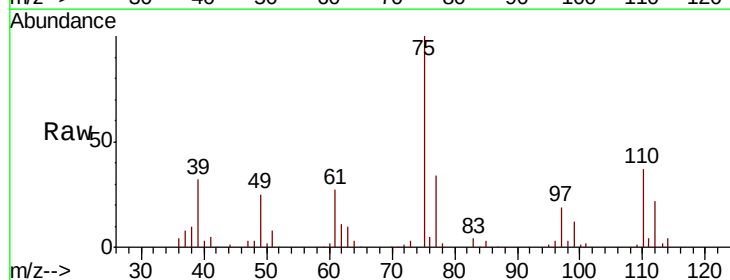
Tgt Ion: 75 Resp: 71981

Ion Ratio Lower Upper

75 100

110 36.6 29.3 43.9

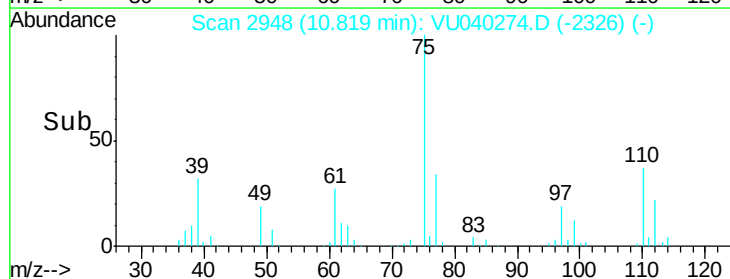
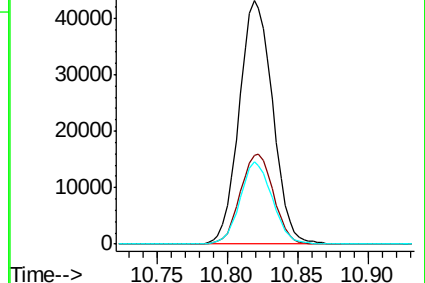
77 32.4 25.9 38.9

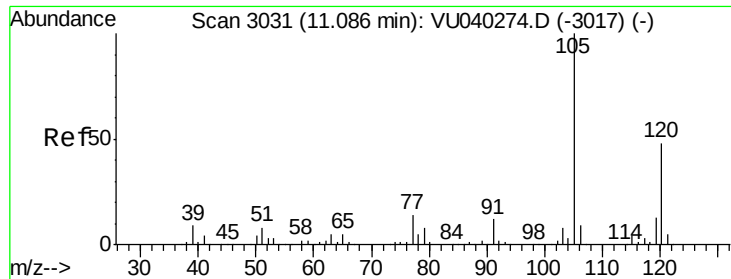


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): V





#62

1,3,5-Trimethylbenzene

Concen: 4.993 ug/L

RT: 11.09 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VU040274.D

Acq: 24 Sep 2020 16:20

Instrument :

MSVOA_U

ClientSampleId :

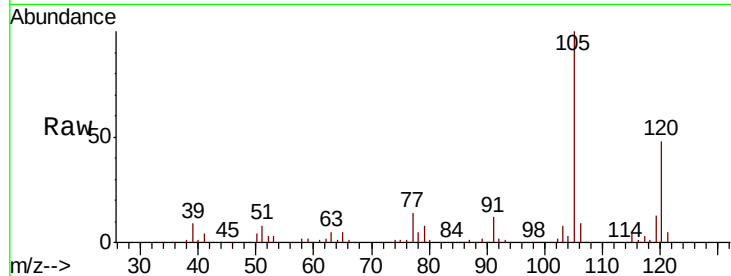
VSTD005103

Tot Ion:105 Resp: 338699

Ion Ratio Lower Upper

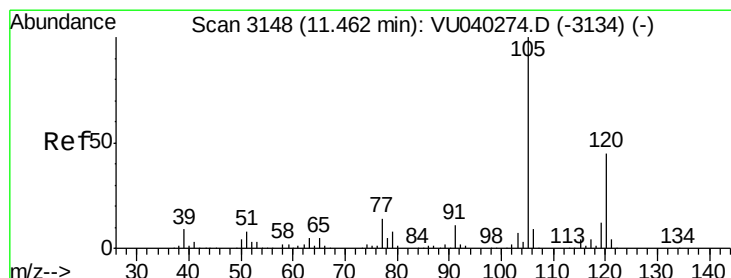
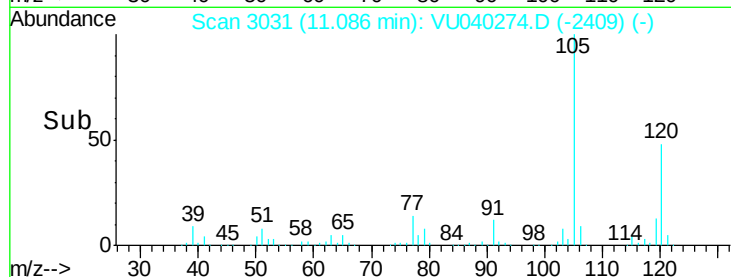
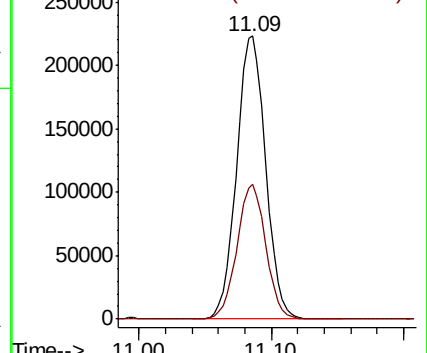
105 100

120 47.3 37.8 56.8



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: 5.145 ug/L

RT: 11.46 min Scan# 3148

Delta R.T. 0.00 min

Lab File: VU040274.D

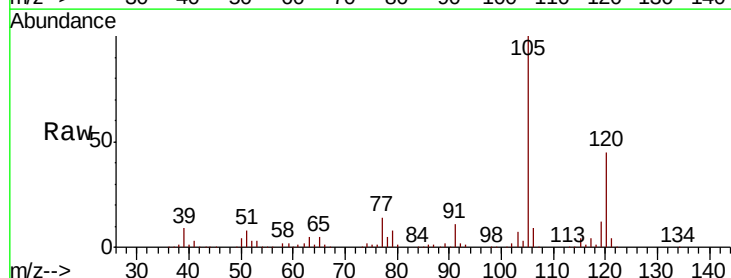
Acq: 24 Sep 2020 16:20

Tgt Ion:105 Resp: 348321

Ion Ratio Lower Upper

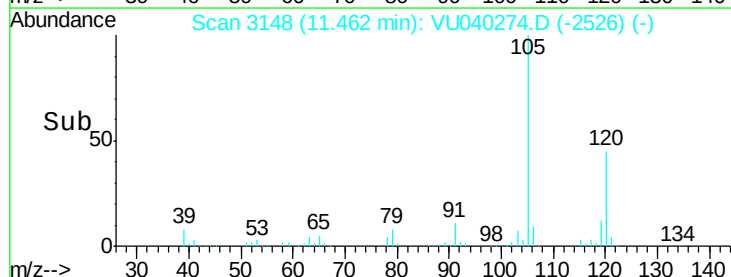
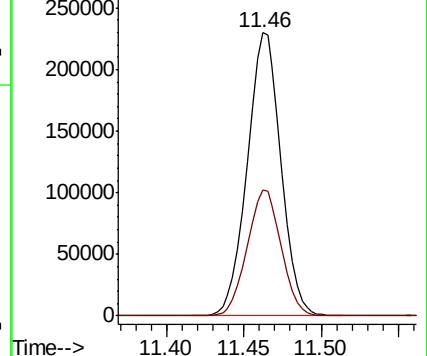
105 100

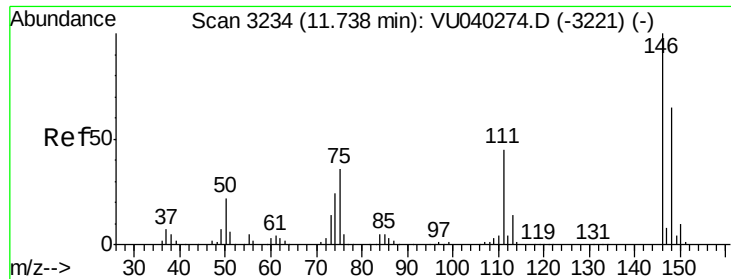
120 45.0 36.0 54.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

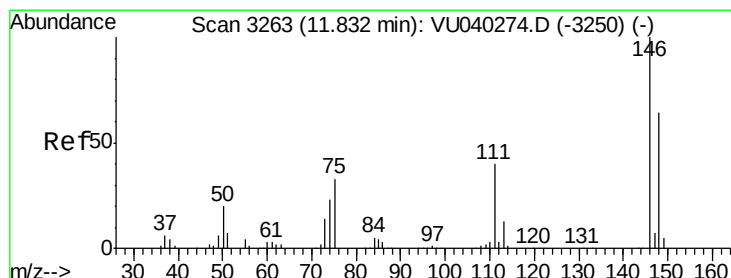
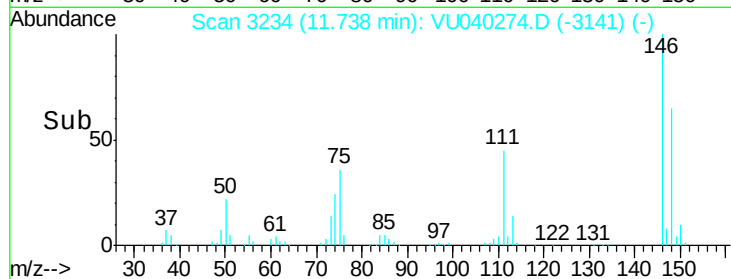
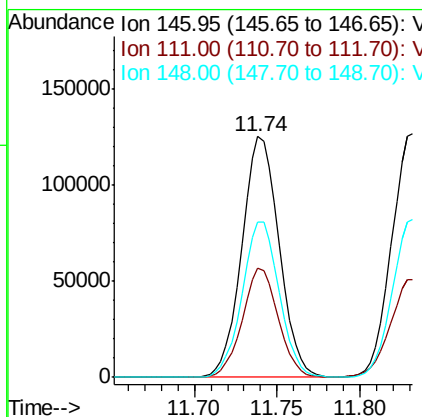
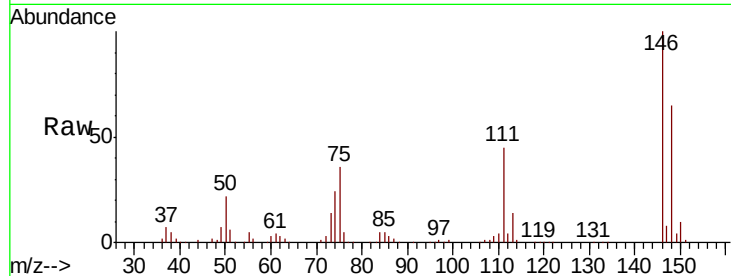




#64
 1,3-Dichlorobenzene
 Concen: 5.232 ug/L
 RT: 11.74 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU040274.D
 Acq: 24 Sep 2020 16:20

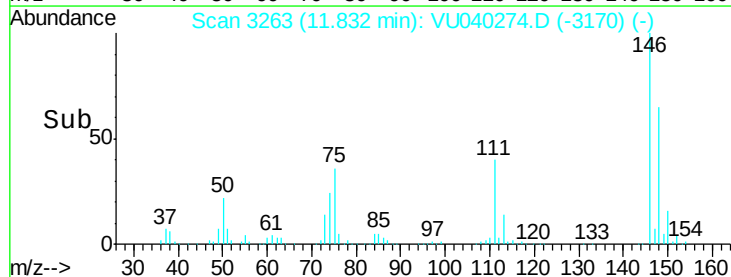
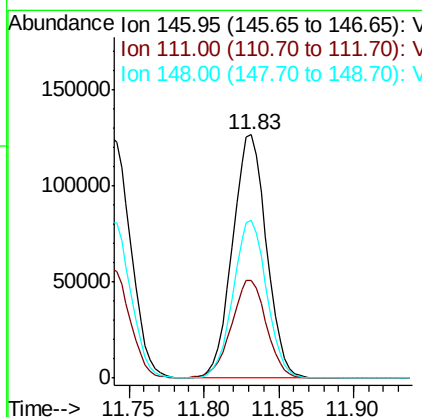
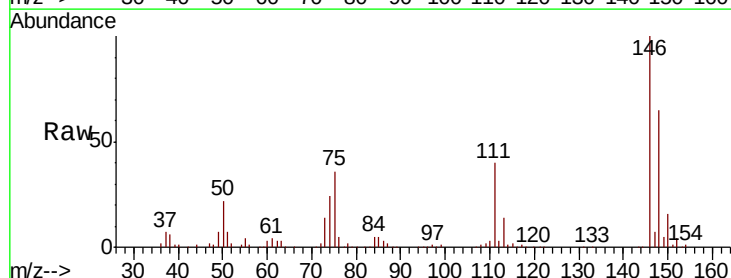
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005103

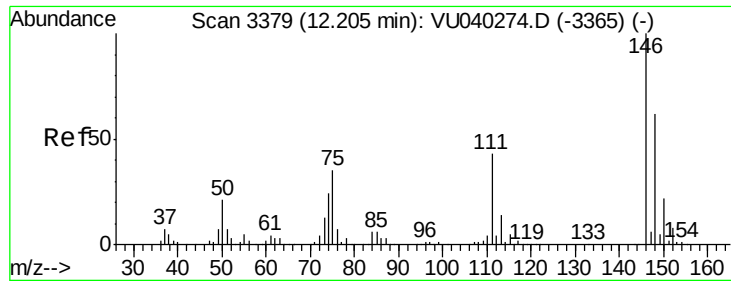
Tot Ion:146 Resp: 195622
 Ion Ratio Lower Upper
 146 100
 111 45.2 31.6 58.8
 148 64.5 45.1 83.9



#65
 1,4-Dichlorobenzene
 Concen: 5.306 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040274.D
 Acq: 24 Sep 2020 16:20

Tgt Ion:146 Resp: 199943
 Ion Ratio Lower Upper
 146 100
 111 40.3 28.2 52.4
 148 64.6 45.2 84.0





#67

1,2-Dichlorobenzene

Concen: 5.331 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. 0.00 min

Lab File: VU040274.D

Acq: 24 Sep 2020 16:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD005103

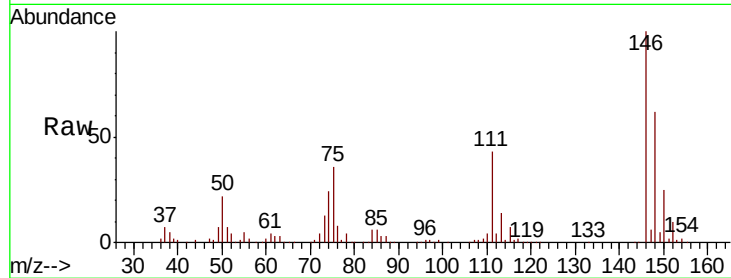
Tot Ion:146 Resp: 191724

Ion Ratio Lower Upper

146 100

111 42.8 34.2 51.4

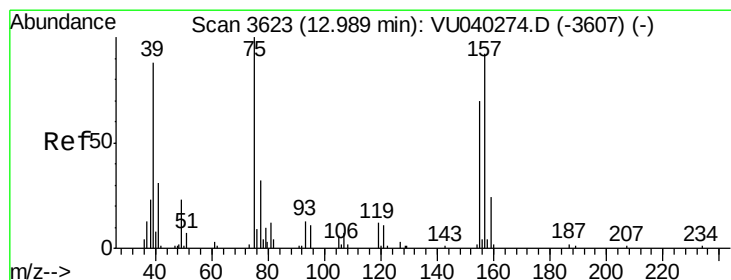
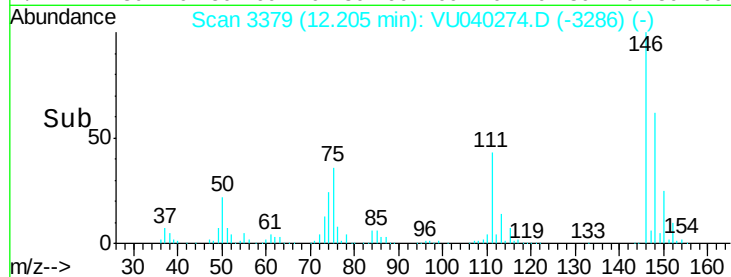
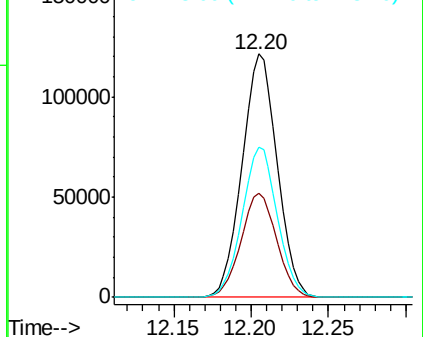
148 61.8 49.4 74.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2-Dibromo-3-chloropropane

Concen: 6.531 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU040274.D

Acq: 24 Sep 2020 16:20

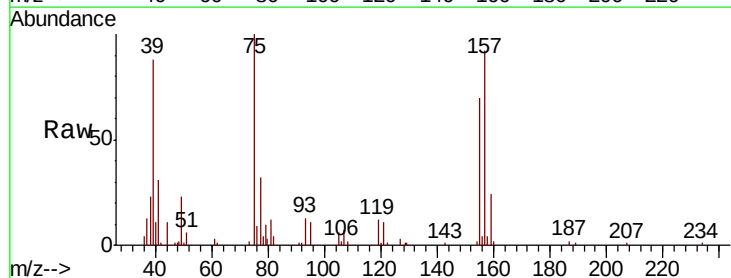
Tgt Ion: 75 Resp: 16321

Ion Ratio Lower Upper

75 100

155 70.4 56.3 84.5

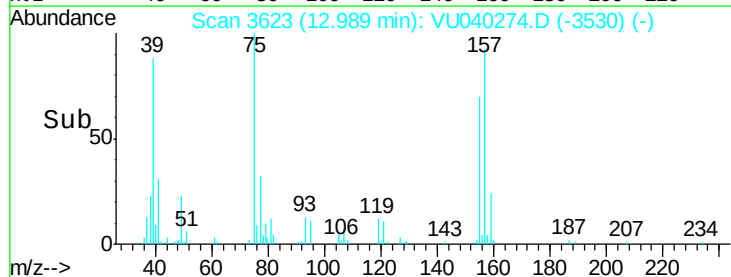
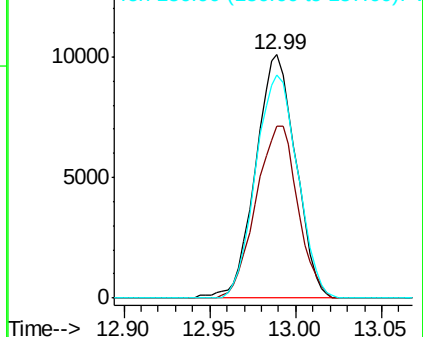
157 91.9 73.5 110.3

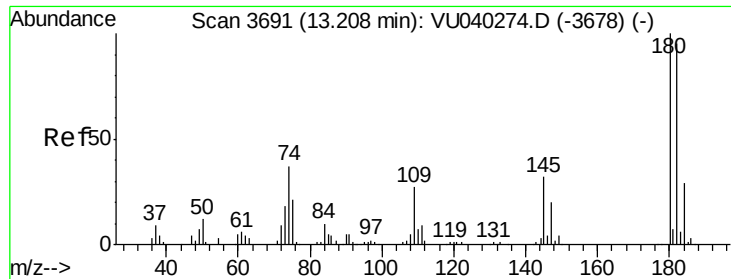


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

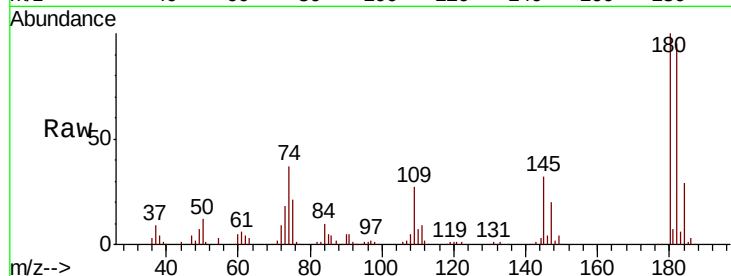




#69
 1,3,5-Trichlorobenzene
 Concen: 4.931 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU040274.D
 Acq: 24 Sep 2020 16:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005103

Tot Ion:180	Resp:	138517
Ion Ratio	Lower	Upper
180	100	
182	94.7	75.8 113.6
184	29.6	23.7 35.5
145	31.7	25.4 38.0

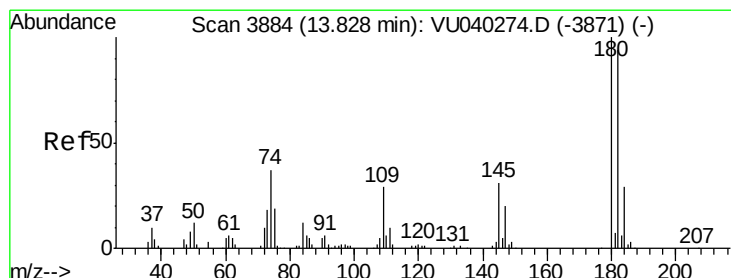
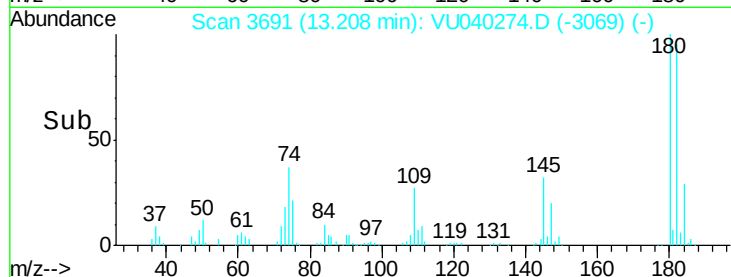
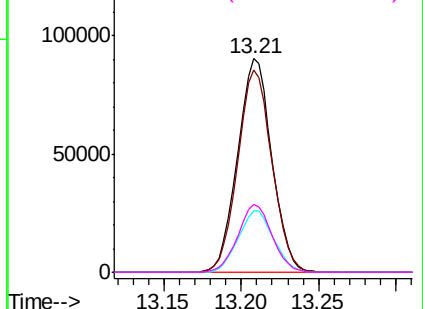


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

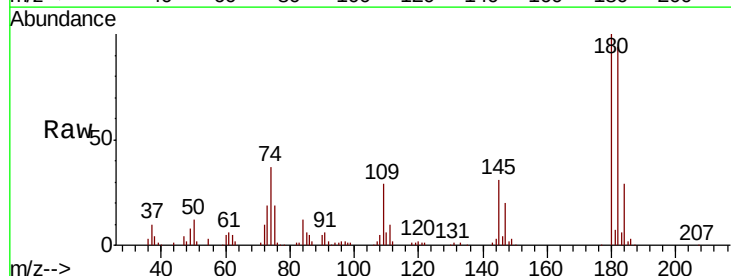
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 5.490 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU040274.D
 Acq: 24 Sep 2020 16:20

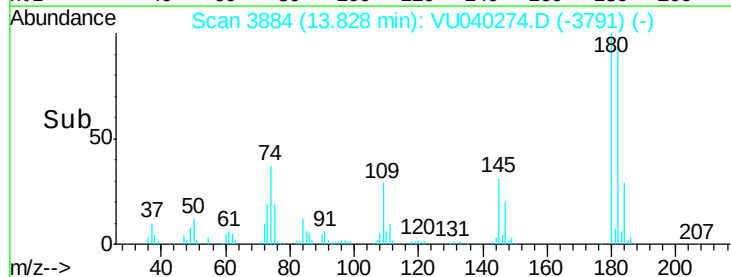
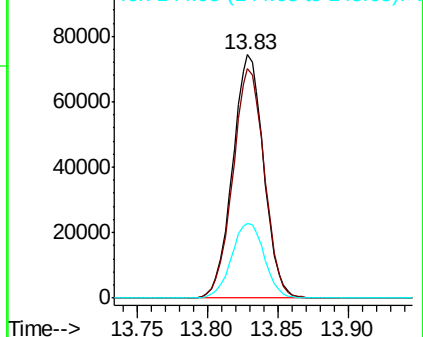
Tgt Ion:180	Resp:	114762
Ion Ratio	Lower	Upper
180	100	
182	95.4	76.3 114.5
145	32.4	25.9 38.9

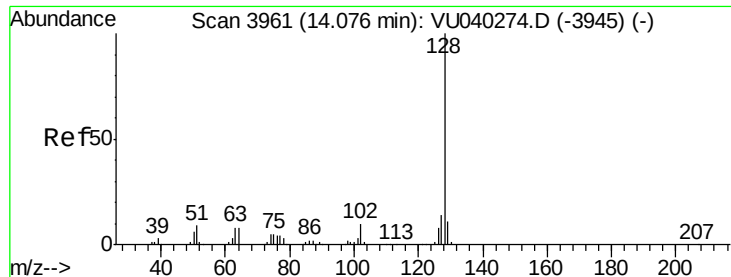


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

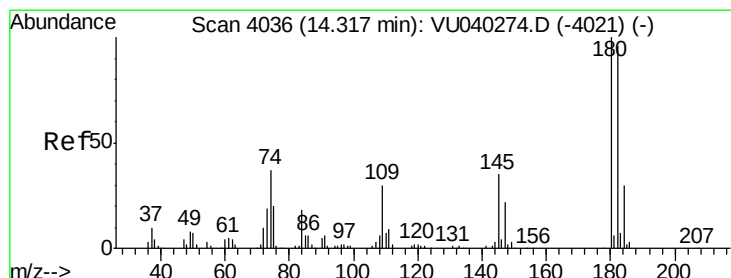
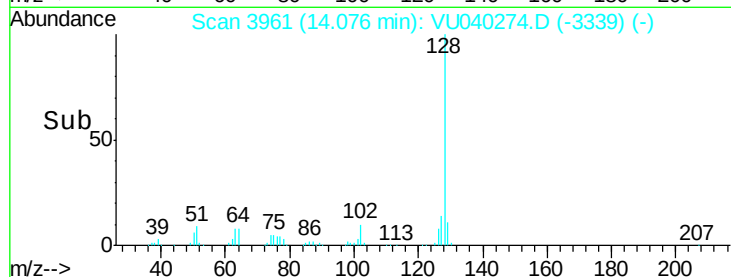
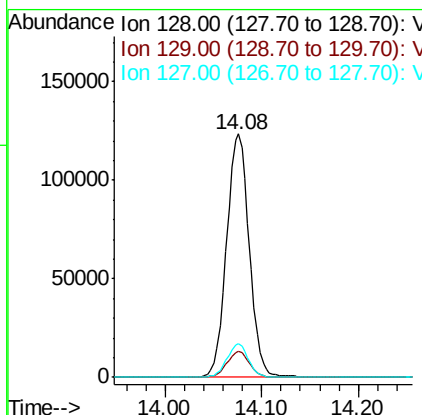
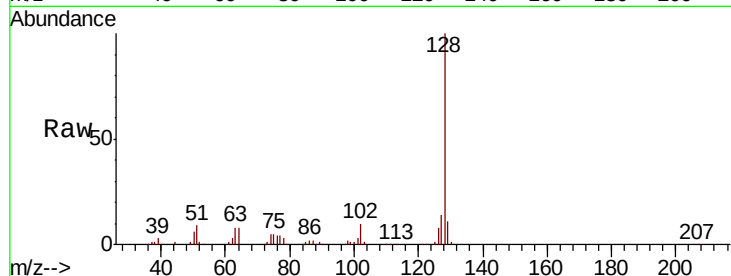




#71
Naphthalene
Concen: 6.437 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU040274.D
Acq: 24 Sep 2020 16:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD005103

Tot Ion:128 Resp: 200767
Ion Ratio Lower Upper
128 100
129 10.5 8.4 12.6
127 13.2 10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 5.444 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. 0.00 min
Lab File: VU040274.D
Acq: 24 Sep 2020 16:20

Tgt Ion:180 Resp: 102600
Ion Ratio Lower Upper
180 100
182 97.5 78.0 117.0
145 35.7 28.6 42.8

