

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092520\
 Data File : VU040276.D
 Acq On : 24 Sep 2020 17:07
 Operator : SY/MD
 Sample : VSTD02005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020105

Quant Time: Sep 25 02:12:03 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	212271	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	202656	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	111846	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	289171	24.39	ug/L	0.00
7) Chloroethane-d5	1.92	69	232307	22.02	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	65	147611	28.74	ug/L	0.00
20) 2-Butanone-d5	4.65	46	1131193	375.09	ug/L	0.00
24) Chloroform-d	5.08	84	589276	25.90	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	344210	27.95	ug/L	0.00
32) Benzene-d6	5.74	84	1107201	23.00	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	362434	24.06	ug/L	0.00
41) Toluene-d8	7.91	98	1000333	21.65	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	158808	26.44	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	898159	310.16	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	318795	25.68	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	388995	20.40	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	445997	26.481	ug/L 100
3) Chloromethane	1.52	50	429474	24.590	ug/L 99
5) Vinyl chloride	1.61	62	434282	23.642	ug/L 99
6) Bromomethane	1.87	94	234576	22.328	ug/L 100
8) Chloroethane	1.94	64	241330	21.109	ug/L 98
9) Trichlorofluoromethane	2.15	101	551757	24.920	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	358048	26.170	ug/L 99
12) 1,1-Dichloroethene	2.59	96	337205	25.353	ug/L 98
13) Acetone	2.66	43	856264	356.178	ug/L 98
14) Carbon disulfide	2.81	76	1148281	26.667	ug/L 98
15) Methyl Acetate	2.97	43	206647	34.710	ug/L 99
16) Methylene chloride	3.06	84	364582	20.210	ug/L 99
17) Methyl tert-butyl Ether	3.38	73	952147	27.904	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	348619	24.441	ug/L 97
19) 1,1-Dichloroethane	3.89	63	694683	27.071	ug/L 98
21) 2-Butanone	4.73	43	1466389	380.153	ug/L 99
22) cis-1,2-Dichloroethene	4.69	96	379517	24.130	ug/L 96
23) Bromochloromethane	4.99	128	167730	24.887	ug/L 94
25) Chloroform	5.11	83	690597	26.844	ug/L 98
27) 1,2-Dichloroethane	5.81	62	494567	29.568	ug/L 100
29) 1,1,1-Trichloroethane	5.33	97	593787	27.281	ug/L 98
30) Cyclohexane	5.40	56	699003	28.313	ug/L 99
31) Carbon tetrachloride	5.54	117	517207	27.957	ug/L 97
33) Benzene	5.79	78	1462204	24.488	ug/L 100
34) Trichloroethene	6.55	95	380465	24.228	ug/L 97
35) Methylcyclohexane	6.77	83	647402	24.541	ug/L 97
37) 1,2-Dichloropropane	6.80	63	398218	26.605	ug/L 98
38) Bromodichloromethane	7.11	83	502124	27.091	ug/L 99
39) cis-1,3-Dichloropropene	7.62	75	606152	26.715	ug/L 96
40) 4-Methyl-2-pentanone	7.80	43	3419430	360.675	ug/L 100

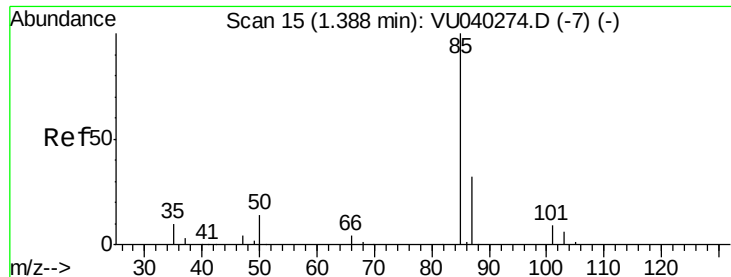
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092520\
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 25 02:03:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	1509248	23.271	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	547069	29.768	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	271422	24.759	ug/L	97
47) Tetrachloroethene	8.56	164	271526	21.848	ug/L	98
48) 2-Hexanone	8.69	43	2510527	373.625	ug/L	99
49) Dibromochloromethane	8.82	129	333365	26.391	ug/L	99
50) 1,2-Dibromoethane	8.93	107	267512	24.880	ug/L	95
51) Chlorobenzene	9.45	112	948424	22.985	ug/L	98
52) Ethylbenzene	9.57	91	1714262	24.285	ug/L	100
53) m,p-Xylene	9.69	106	634604	23.474	ug/L	98
54) o-Xylene	10.10	106	613485	23.253	ug/L	98
55) Styrene	10.11	104	1068163	24.339	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.78	83	379260	26.979	ug/L	98
59) Bromoform	10.29	173	189430	24.201	ug/L	100
60) Isopropylbenzene	10.48	105	1668820	21.772	ug/L	100
61) 1,2,3-Trichloropropane	10.82	75	281754	25.231	ug/L	99
62) 1,3,5-Trimethylbenzene	11.09	105	1457009	22.371	ug/L	100
63) 1,2,4-Trimethylbenzene	11.46	105	1482905	22.815	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	782910	21.808	ug/L	96
65) 1,4-Dichlorobenzene	11.83	146	783959	21.671	ug/L	98
67) 1,2-Dichlorobenzene	12.20	146	748055	21.663	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.99	75	71032	29.607	ug/L	99
69) 1,3,5-Trichlorobenzene	13.21	180	573280	21.258	ug/L	100
70) 1,2,4-trichlorobenzene	13.83	180	506334	25.230	ug/L	99
71) Naphthalene	14.07	128	1001753	33.452	ug/L	99
72) 1,2,3-Trichlorobenzene	14.32	180	452334	24.998	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 26.481 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040276.D

Acq: 24 Sep 2020 17:07

Instrument :

MSVOA_U

ClientSampleId :

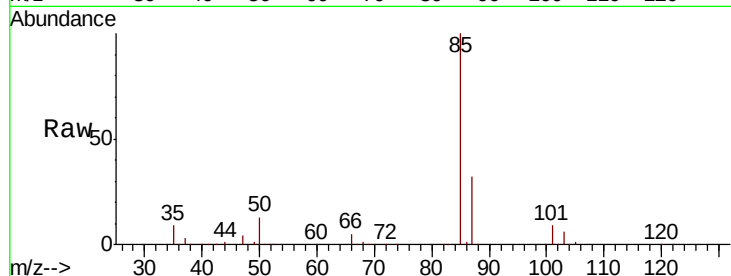
VSTD020105

Tot Ion: 85 Resp: 445997

Ion Ratio Lower Upper

85 100

87 32.2 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.39

400000

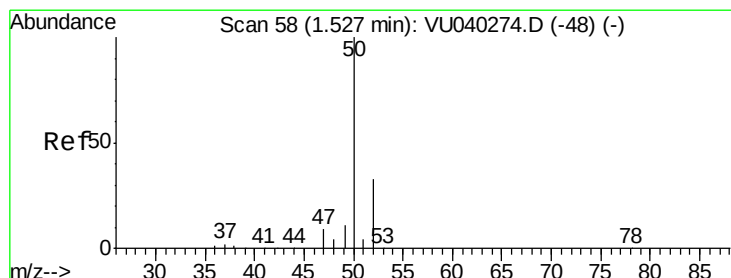
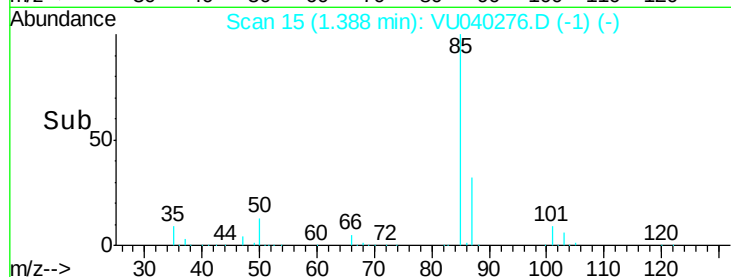
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 24.590 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040276.D

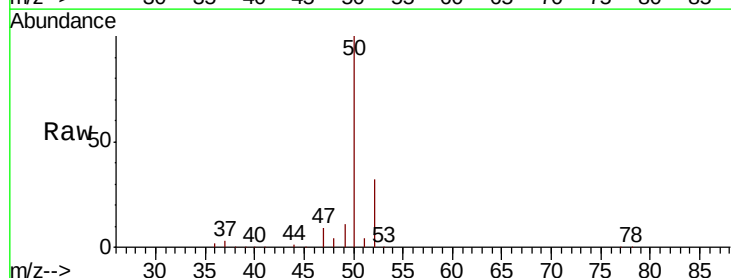
Acq: 24 Sep 2020 17:07

Tgt Ion: 50 Resp: 429474

Ion Ratio Lower Upper

50 100

52 32.1 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.52

400000

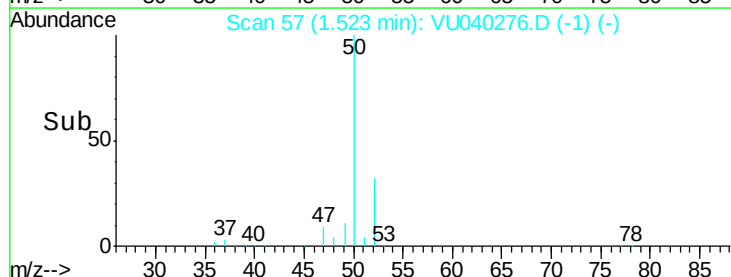
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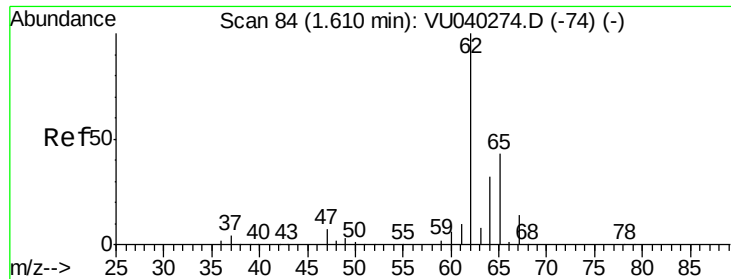
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 23.642 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040276.D

Acq: 24 Sep 2020 17:07

Instrument :

MSVOA_U

ClientSampleId :

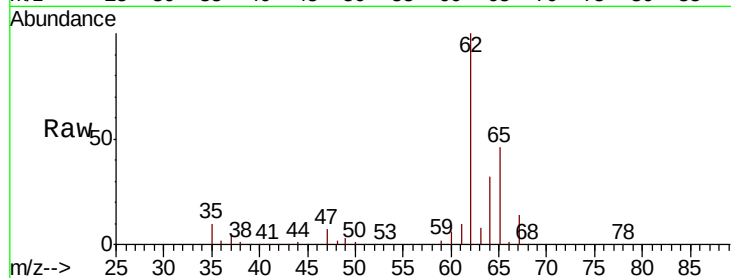
VSTD020105

Tot Ion: 62 Resp: 434282

Ion Ratio Lower Upper

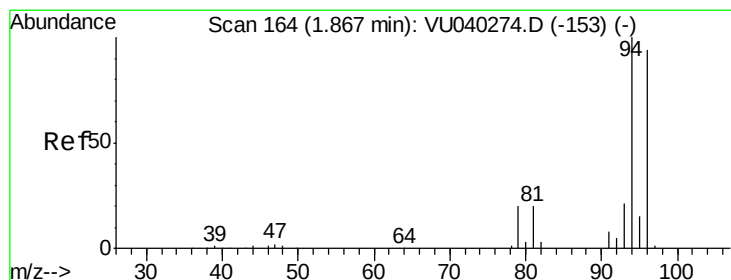
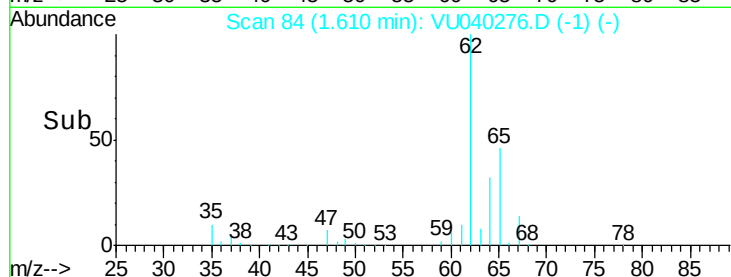
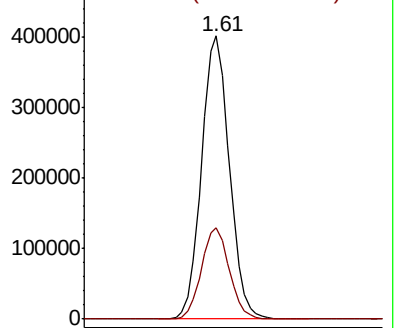
62 100

64 32.3 22.3 41.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 22.328 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040276.D

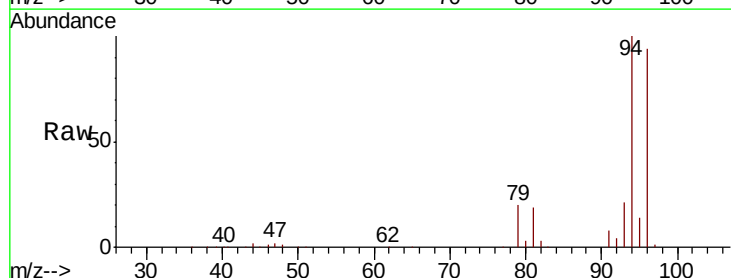
Acq: 24 Sep 2020 17:07

Tgt Ion: 94 Resp: 234576

Ion Ratio Lower Upper

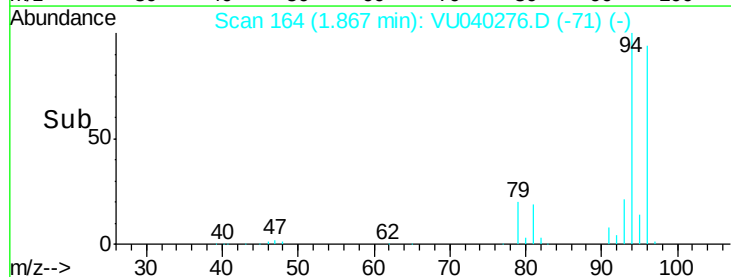
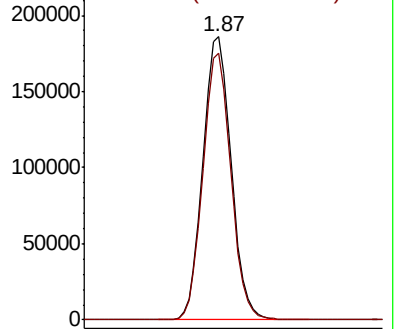
94 100

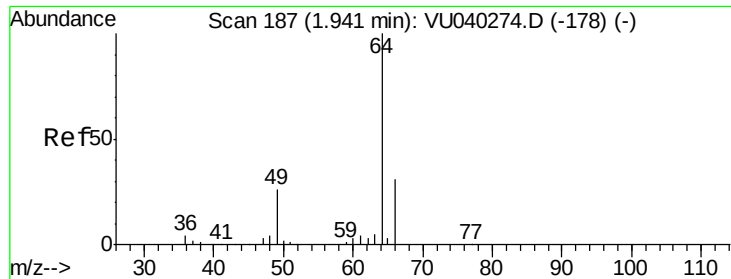
96 94.3 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

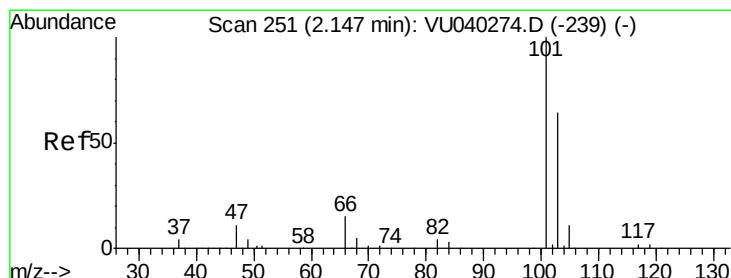
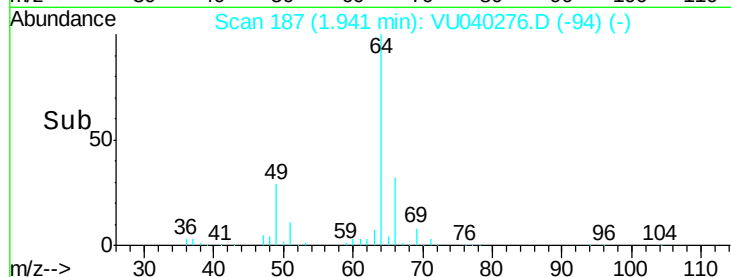
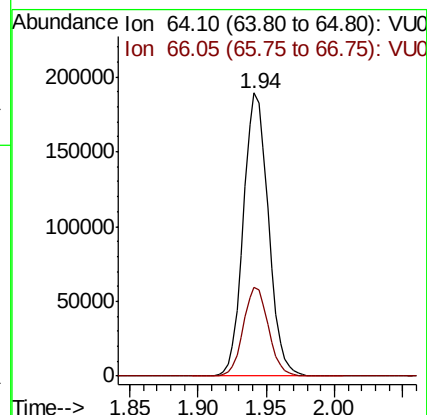
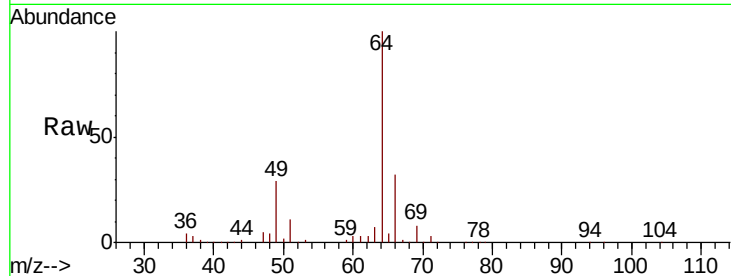




#8
Chloroethane
Concen: 21.109 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU040276.D
Acq: 24 Sep 2020 17:07

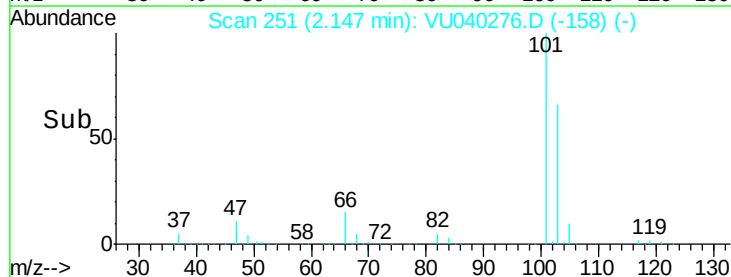
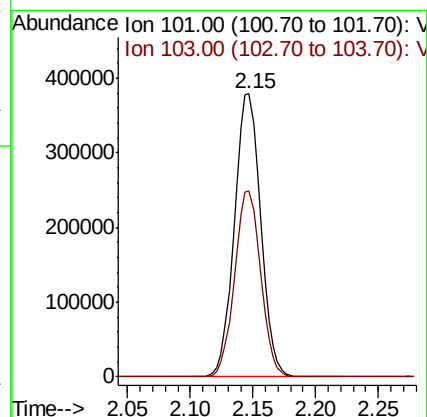
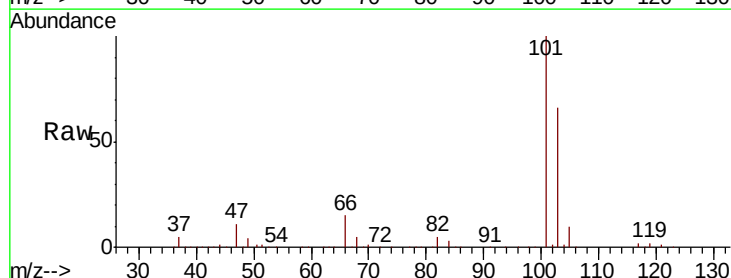
Instrument :
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ClientSampleId :
VSTD020105

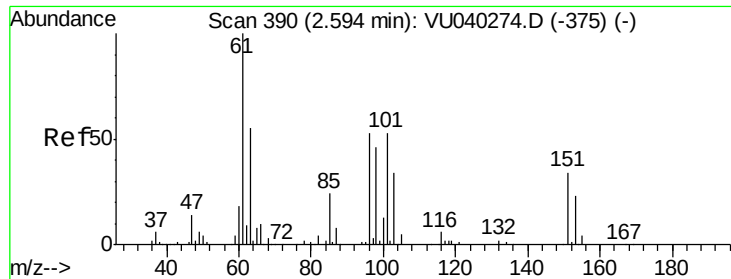
Tot Ion: 64 Resp: 241330
Ion Ratio Lower Upper
64 100
66 31.6 21.3 39.6



#9
Trichlorofluoromethane
Concen: 24.920 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU040276.D
Acq: 24 Sep 2020 17:07

Tgt Ion:101 Resp: 551757
Ion Ratio Lower Upper
101 100
103 65.1 51.2 76.8





#10

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

Concen: 26.170 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040276.D

Acq: 24 Sep 2020 17:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD020105

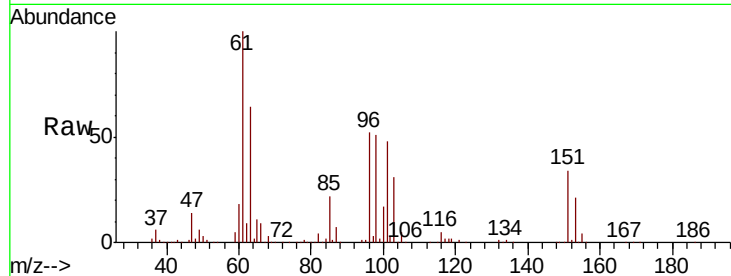
Tot Ion: 101 Resp: 358048

Ion Ratio Lower Upper

101 100

85 45.7 36.7 55.1

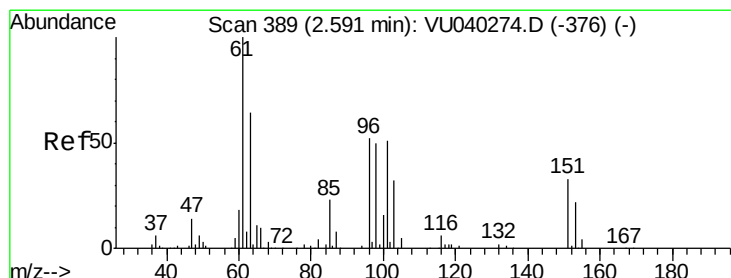
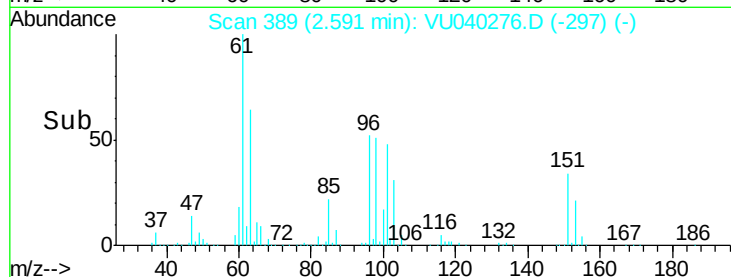
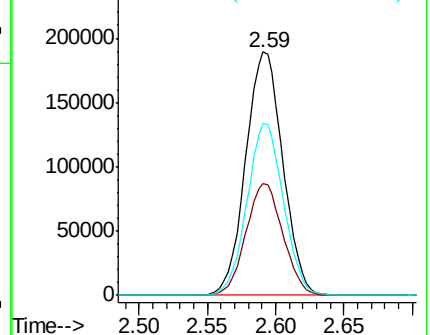
151 69.2 54.5 81.7



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: 25.353 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040276.D

Acq: 24 Sep 2020 17:07

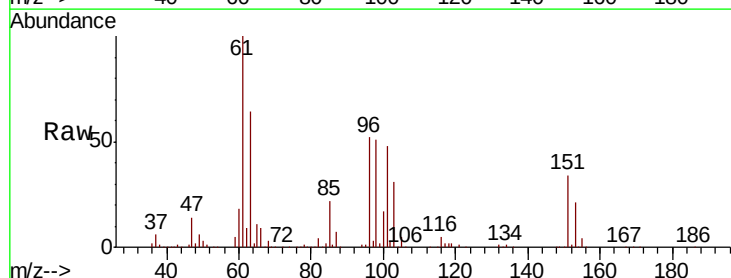
Tgt Ion: 96 Resp: 337205

Ion Ratio Lower Upper

96 100

61 190.5 134.3 249.3

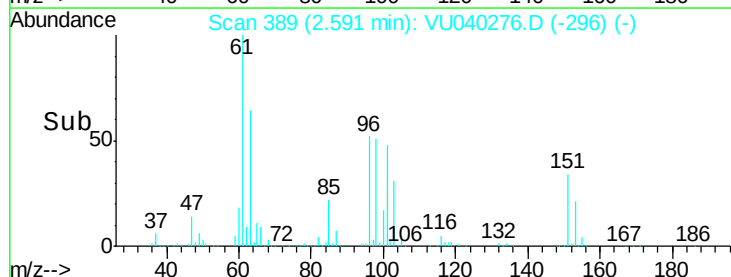
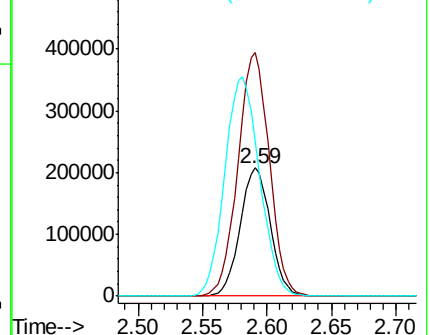
63 121.8 88.5 164.4

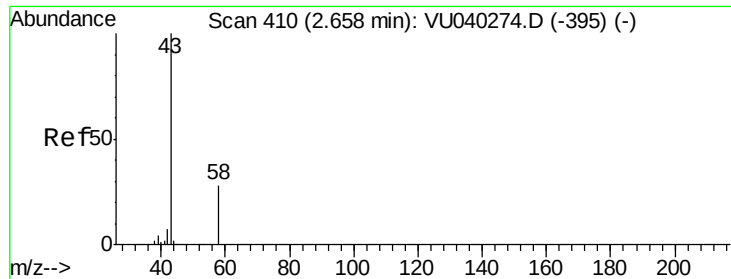


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 356.178 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU040276.D

Acq: 24 Sep 2020 17:07

Instrument :

MSVOA_U

ClientSampleId :

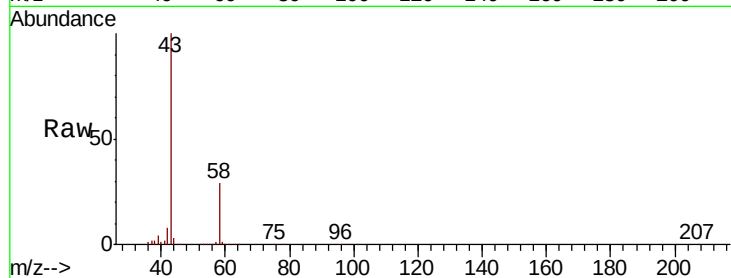
VSTD020105

Tot Ion: 43 Resp: 856264

Ion Ratio Lower Upper

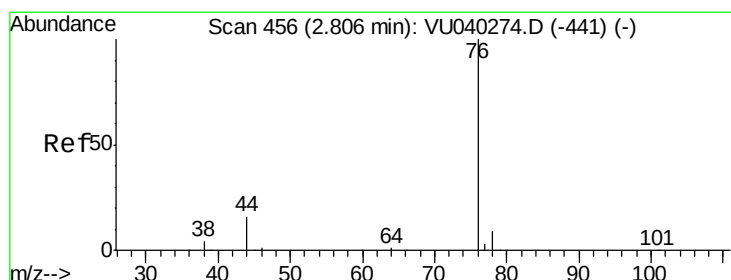
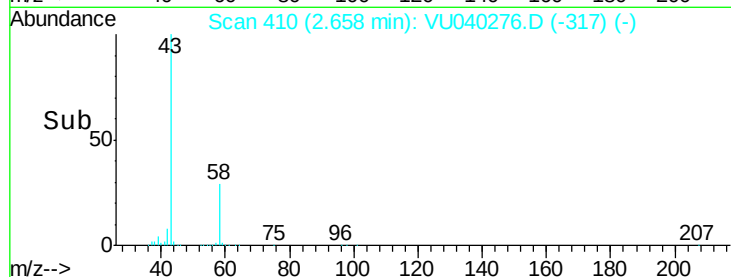
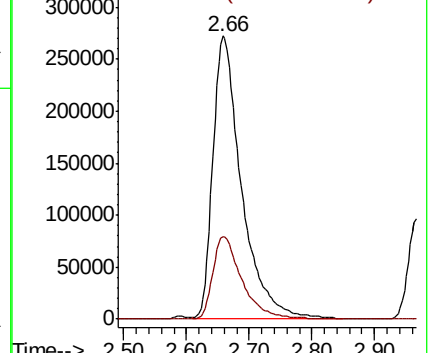
43 100

58 29.4 0.0 56.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 26.667 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040276.D

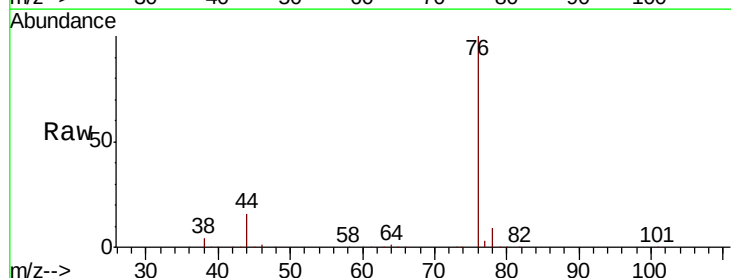
Acq: 24 Sep 2020 17:07

Tgt Ion: 76 Resp: 1148281

Ion Ratio Lower Upper

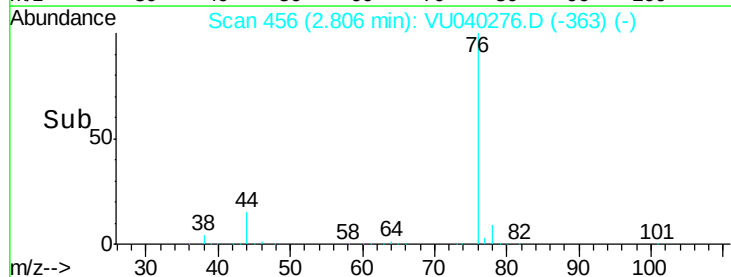
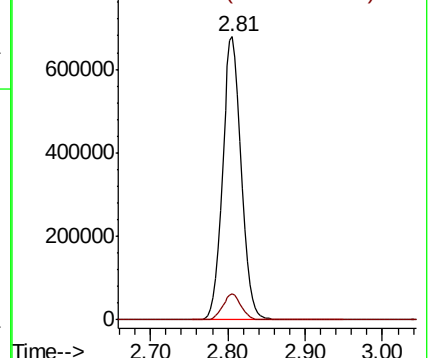
76 100

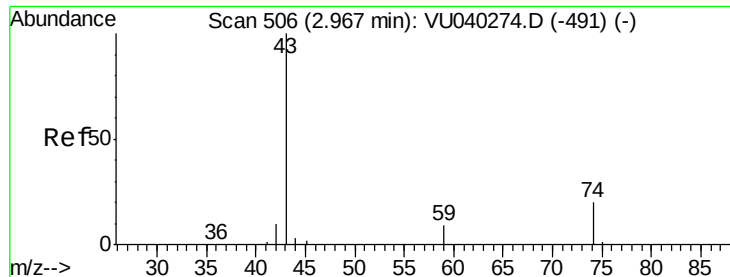
78 9.2 6.9 10.3



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methvl Acetate

Concen: 34.710 ug/L

RT: 2.97 min Scan# 506

Delta R.T. -0.00 min

Lab File: VU040276.D

Acq: 24 Sep 2020 17:07

Instrument :

MSVOA_U

ClientSampleId :

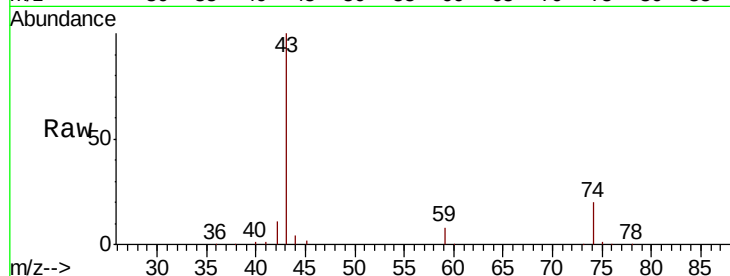
VSTD020105

Tot Ion: 43 Resp: 206647

Ion Ratio Lower Upper

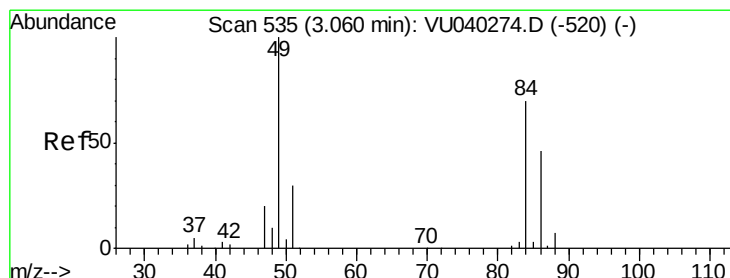
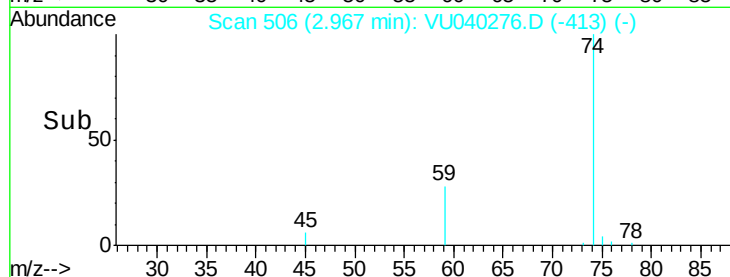
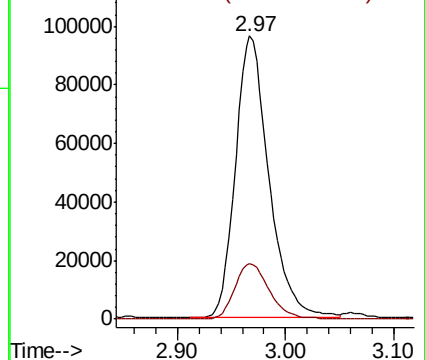
43 100

74 20.7 16.9 25.3



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 20.210 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU040276.D

Acq: 24 Sep 2020 17:07

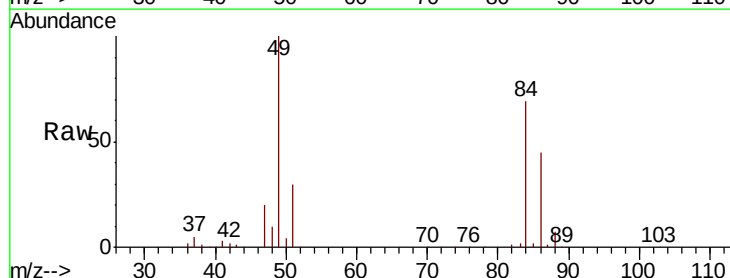
Tgt Ion: 84 Resp: 364582

Ion Ratio Lower Upper

84 100

86 64.4 45.8 85.0

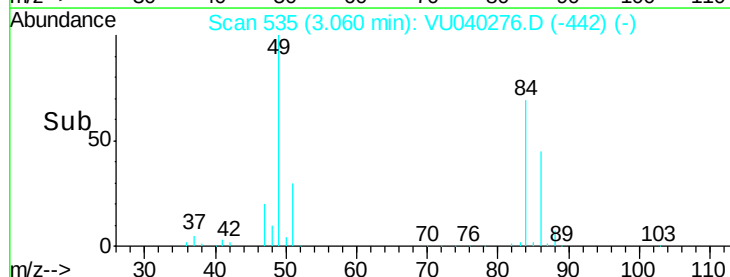
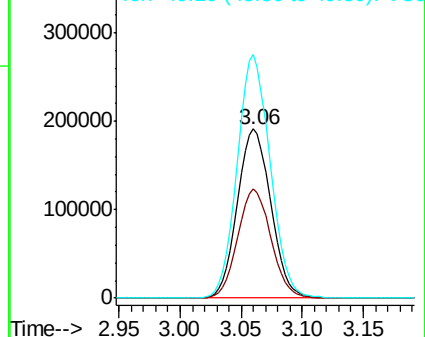
49 144.2 100.4 186.4

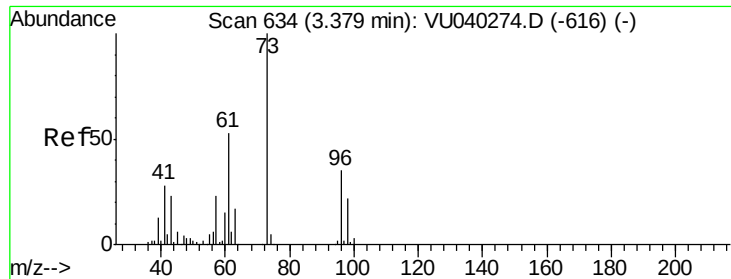


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

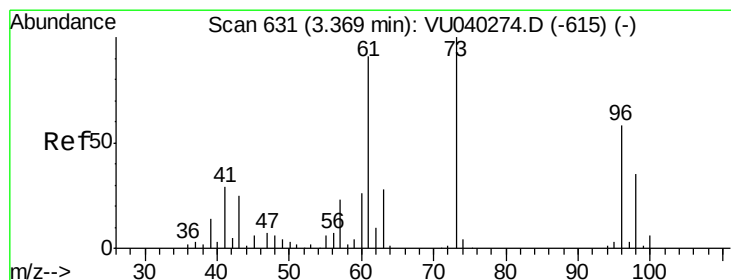
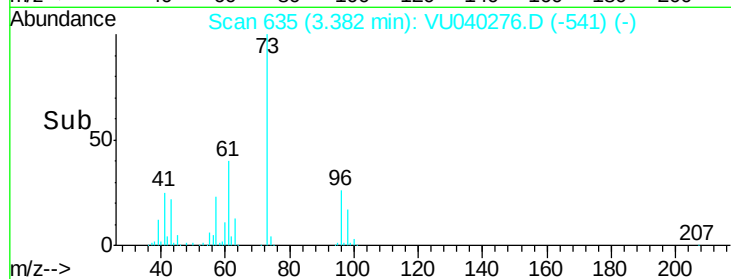
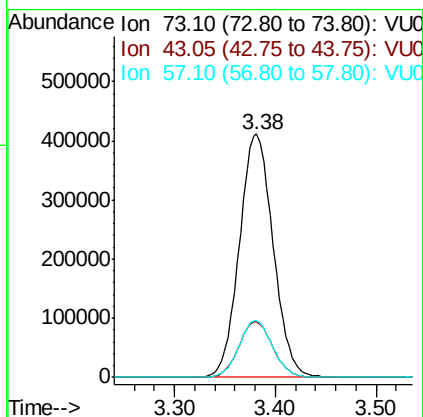
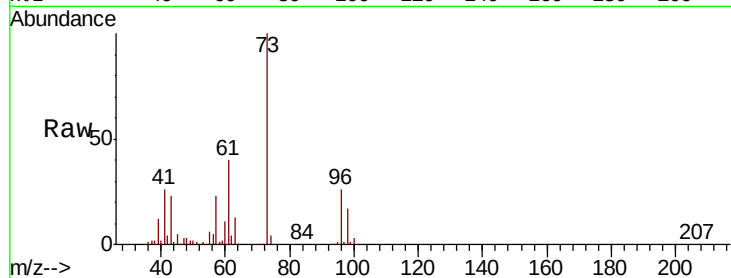




#17
Methyl tert-butyl Ether
Concen: 27.904 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040276.D
Acq: 24 Sep 2020 17:07

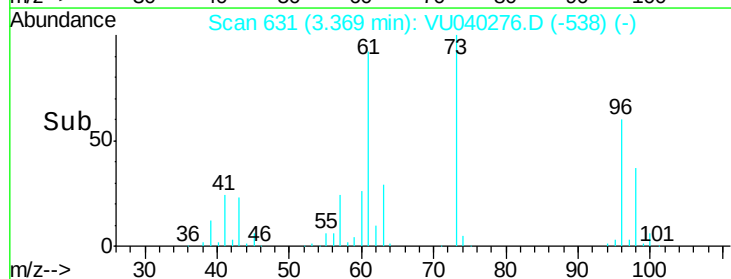
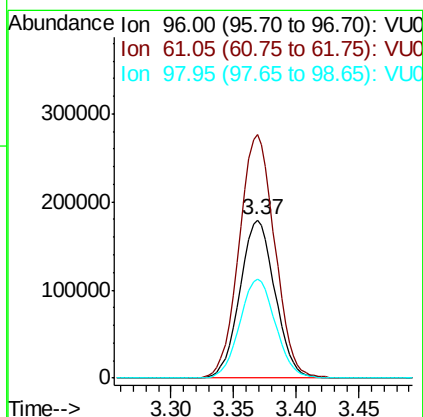
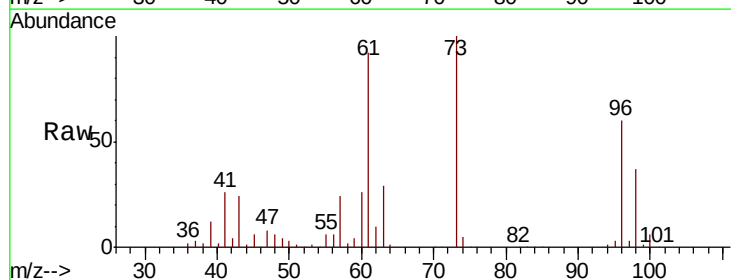
Instrument :
MSVOA_U
ClientSampleId :
VSTD020105

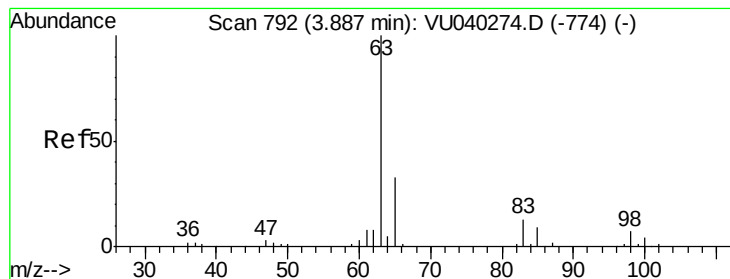
Tot Ion: 73 Resp: 952147
Ion Ratio Lower Upper
73 100
43 22.9 19.0 28.6
57 23.2 18.6 27.8



#18
trans-1,2-Dichloroethene
Concen: 24.441 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040276.D
Acq: 24 Sep 2020 17:07

Tgt Ion: 96 Resp: 348619
Ion Ratio Lower Upper
96 100
61 153.8 110.7 205.5
98 62.2 43.1 80.1





#19

1,1-Dichloroethane

Concen: 27.071 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040276.D

Acq: 24 Sep 2020 17:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD020105

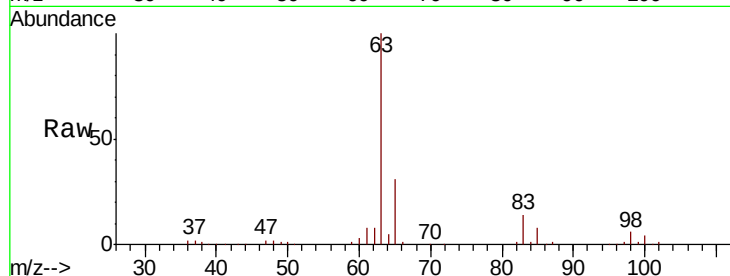
Tot Ion: 63 Resp: 694683

Ion Ratio Lower Upper

63 100

65 31.5 23.0 42.6

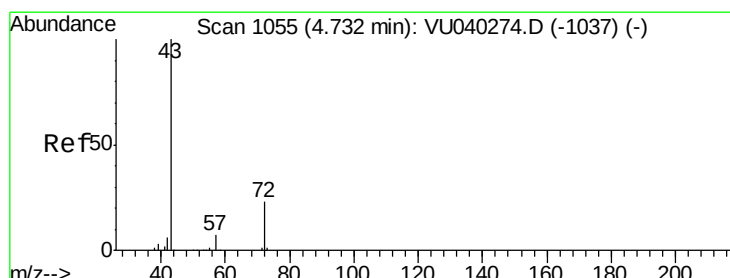
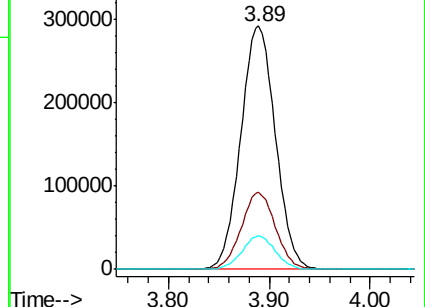
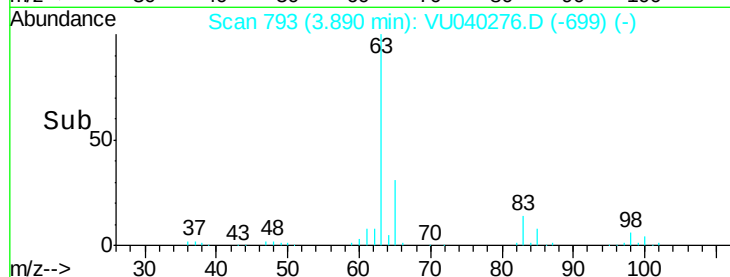
83 13.6 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VU040276.D (-699) (-)

Ion 65.10 (64.80 to 65.80): VU040276.D (-699) (-)

Ion 83.05 (82.75 to 83.75): VU040276.D (-699) (-)



#21

2-Butanone

Concen: 380.153 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VU040276.D

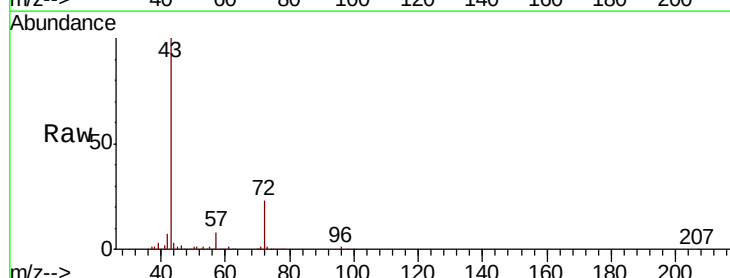
Acq: 24 Sep 2020 17:07

Tgt Ion: 43 Resp: 1466389

Ion Ratio Lower Upper

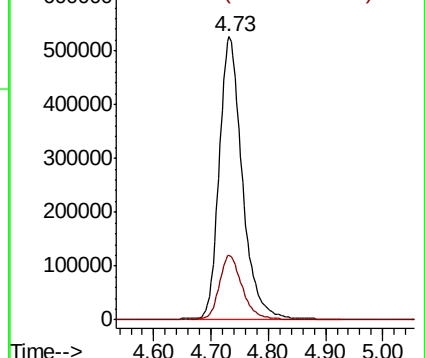
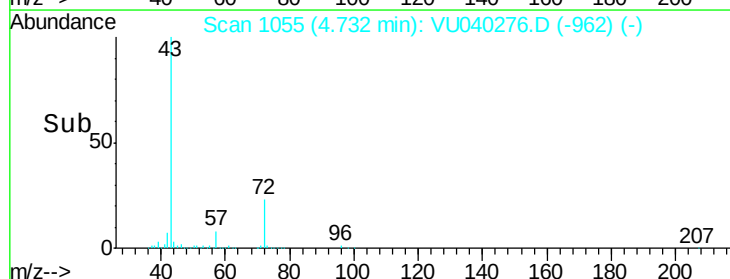
43 100

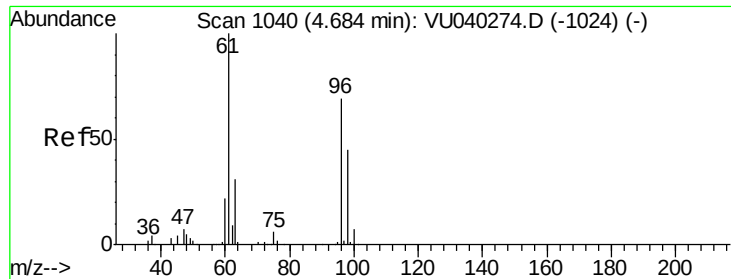
72 23.1 11.8 35.3



Abundance Ion 43.05 (42.75 to 43.75): VU040276.D (-962) (-)

Ion 72.10 (71.80 to 72.80): VU040276.D (-962) (-)





#22

cis-1,2-Dichloroethene

Concen: 24.130 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040276.D

Acq: 24 Sep 2020 17:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD020105

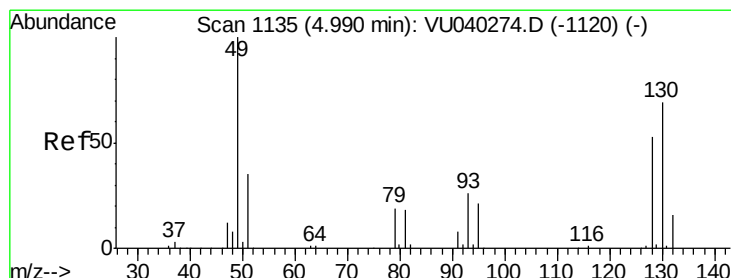
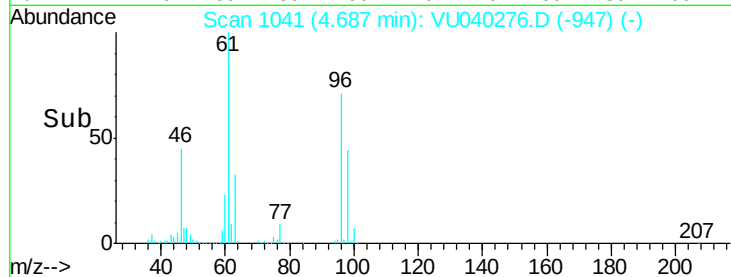
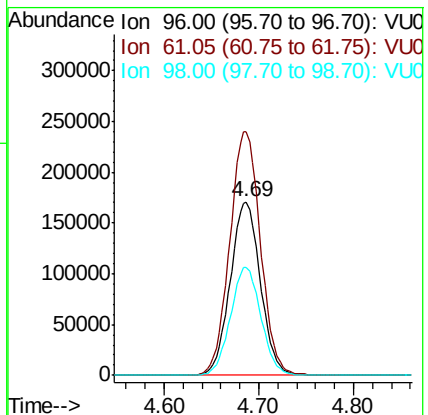
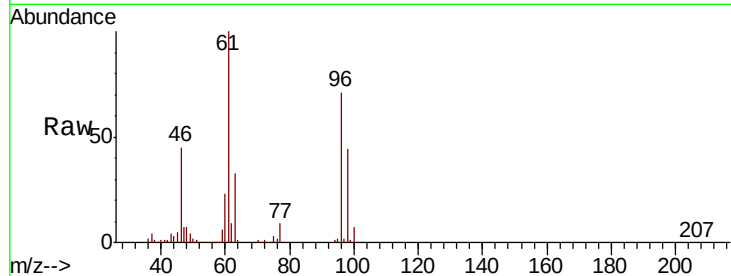
Tot Ion: 96 Resp: 379517

Ion Ratio Lower Upper

96 100

61 140.5 101.9 189.3

98 62.5 46.0 85.4



#23

Bromochloromethane

Concen: 24.887 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040276.D

Acq: 24 Sep 2020 17:07

Tgt Ion: 128 Resp: 167730

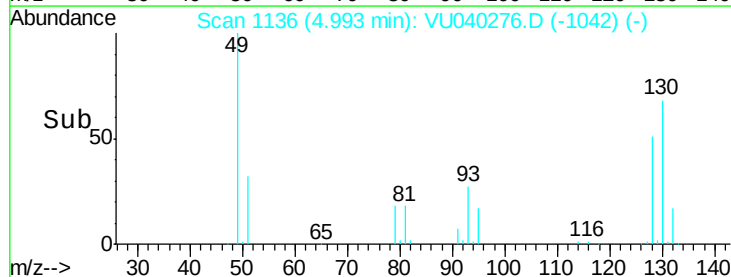
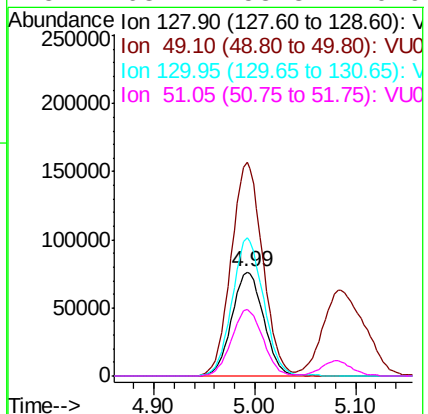
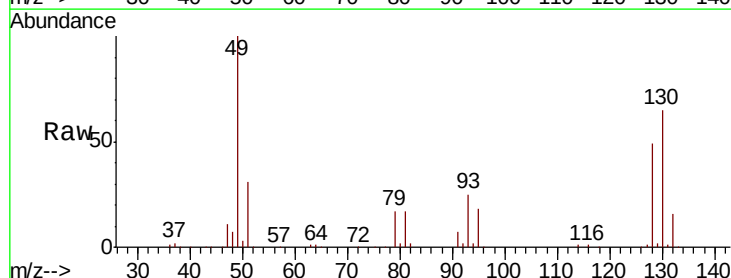
Ion Ratio Lower Upper

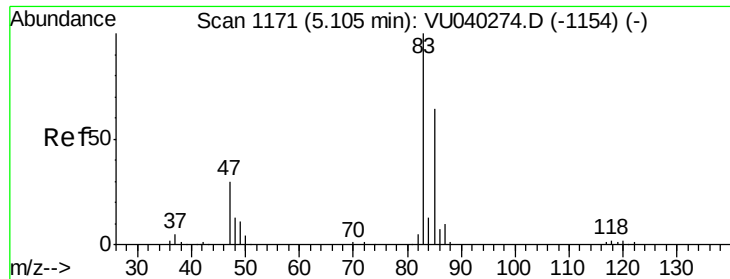
128 100

49 204.8 133.0 247.0

130 132.3 91.8 170.6

51 63.7 53.3 79.9

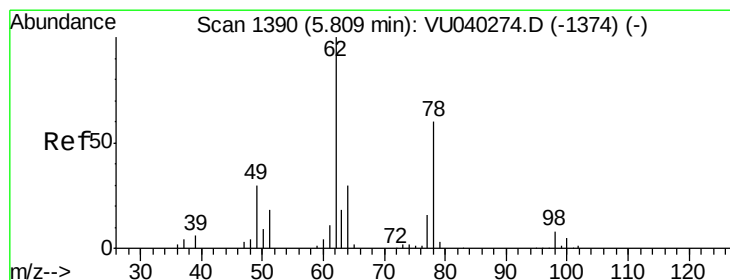
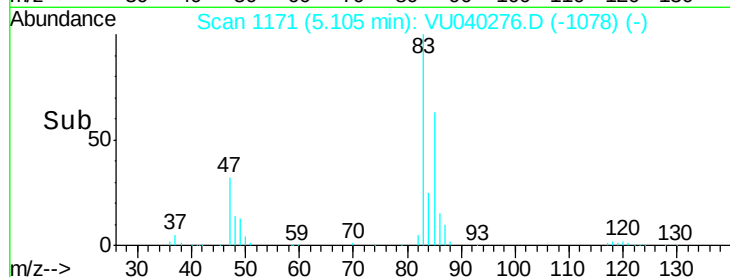
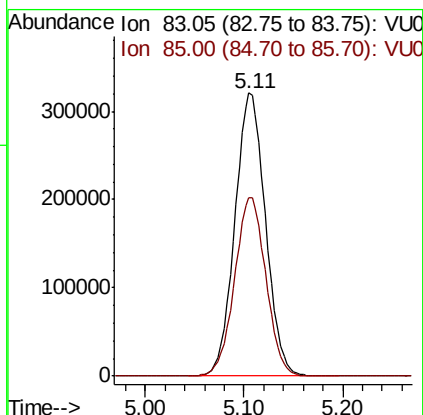
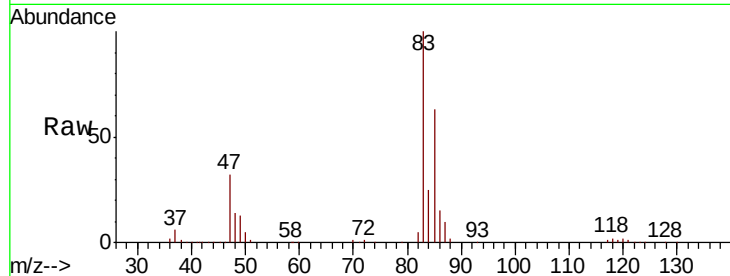




#25
Chloroform
Concen: 26.844 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040276.D
Acq: 24 Sep 2020 17:07

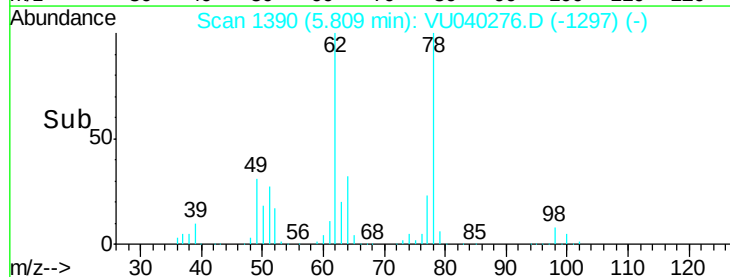
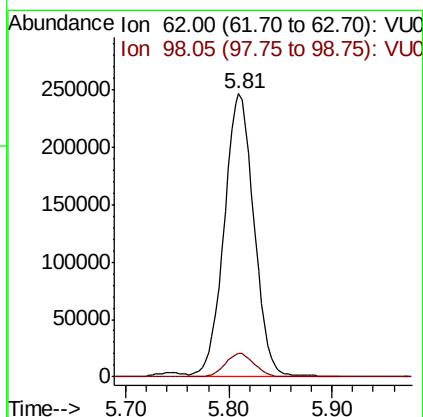
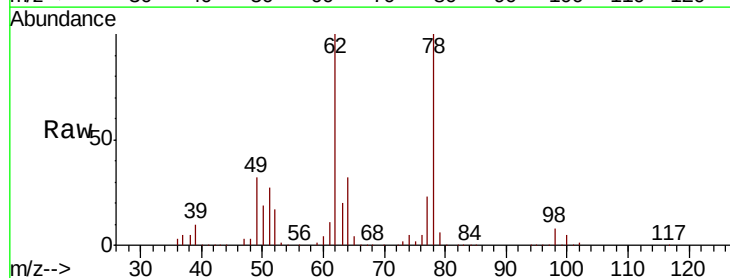
Instrument :
MSVOA_U
ClientSampleId :
VSTD020105

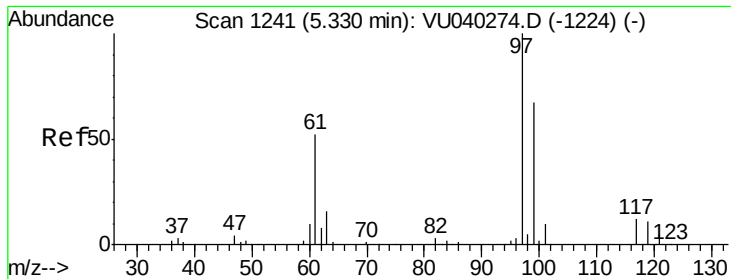
Tot Ion: 83 Resp: 690597
Ion Ratio Lower Upper
83 100
85 63.2 45.2 84.0



#27
1,2-Dichloroethane
Concen: 29.568 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040276.D
Acq: 24 Sep 2020 17:07

Tgt Ion: 62 Resp: 494567
Ion Ratio Lower Upper
62 100
98 8.2 6.5 9.7

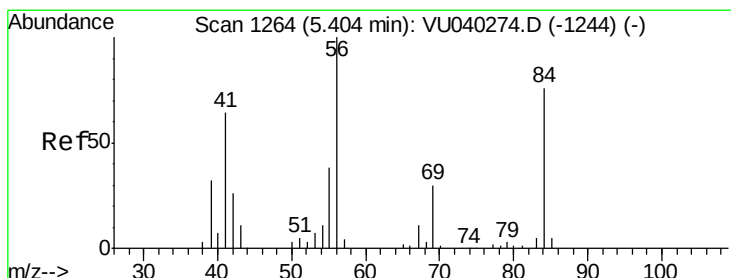
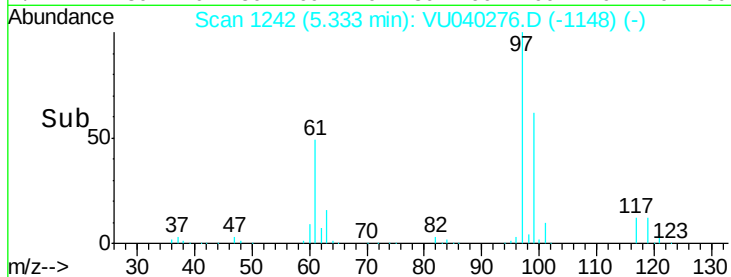
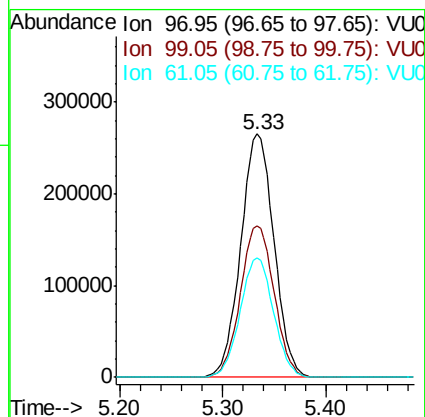
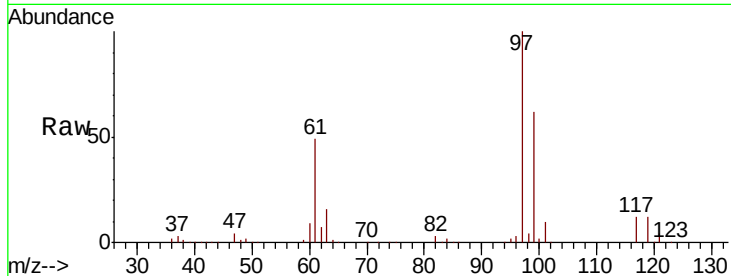




#29
 1,1,1-Trichloroethane
 Concen: 27.281 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040276.D
 Acq: 24 Sep 2020 17:07

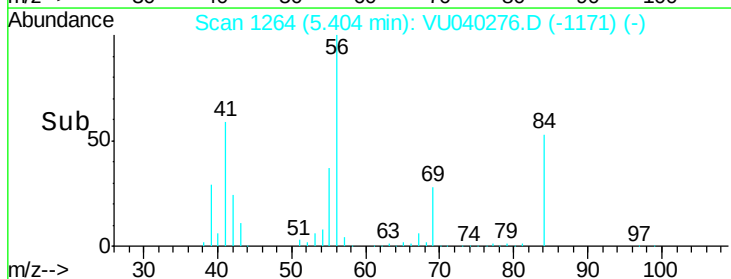
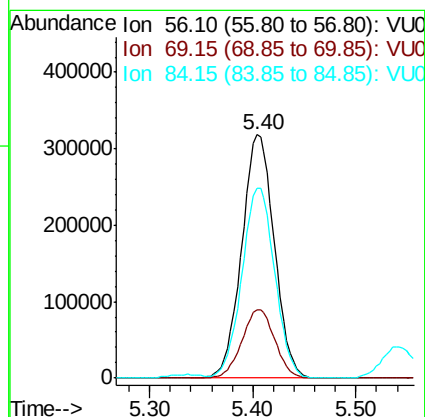
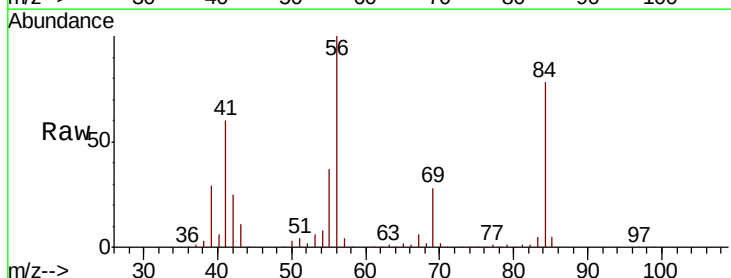
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020105

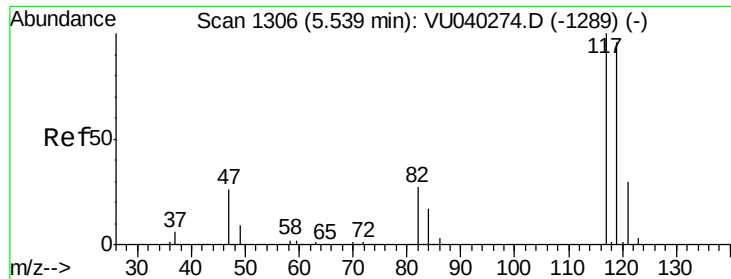
Tot Ion: 97 Resp: 593787
 Ion Ratio Lower Upper
 97 100
 99 63.3 52.1 78.1
 61 49.4 40.2 60.4



#30
 Cyclohexane
 Concen: 28.313 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU040276.D
 Acq: 24 Sep 2020 17:07

Tgt Ion: 56 Resp: 699003
 Ion Ratio Lower Upper
 56 100
 69 28.4 23.0 34.6
 84 78.4 63.3 94.9





#31

Carbon tetrachloride

Concen: 27.957 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040276.D

Acq: 24 Sep 2020 17:07

Instrument :

MSVOA_U

ClientSampleId :

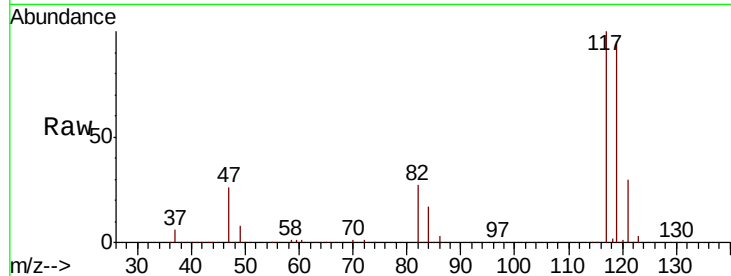
VSTD020105

Tot Ion:117 Resp: 517207

Ion Ratio Lower Upper

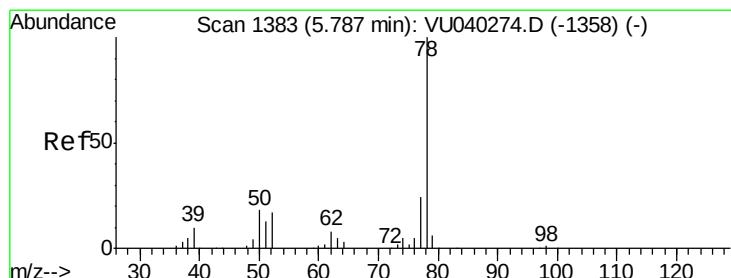
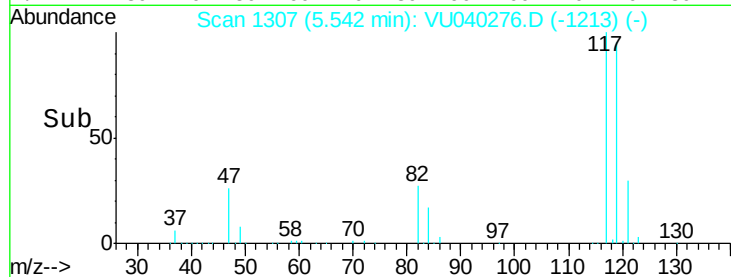
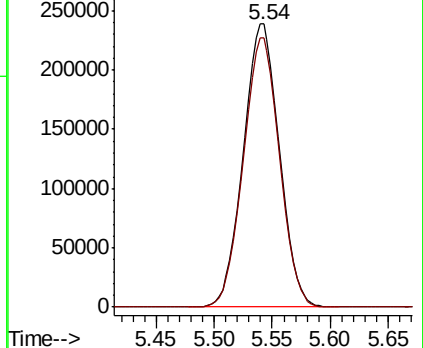
117 100

119 95.5 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: 24.488 ug/L

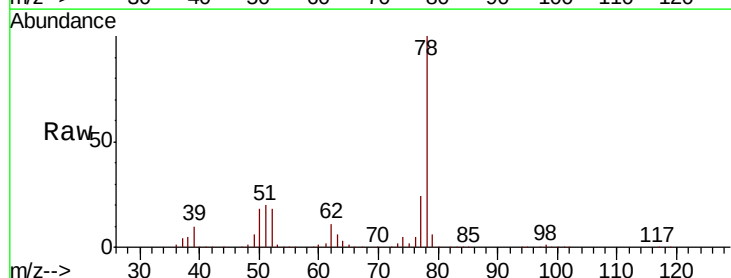
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

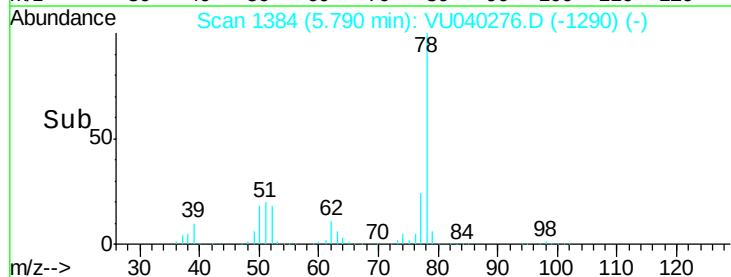
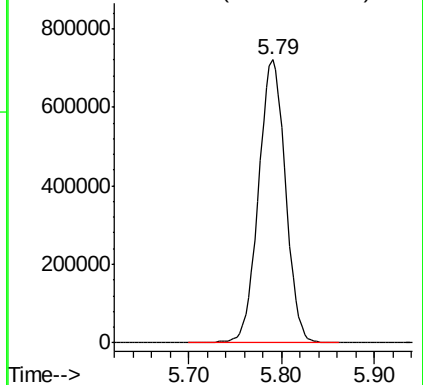
Lab File: VU040276.D

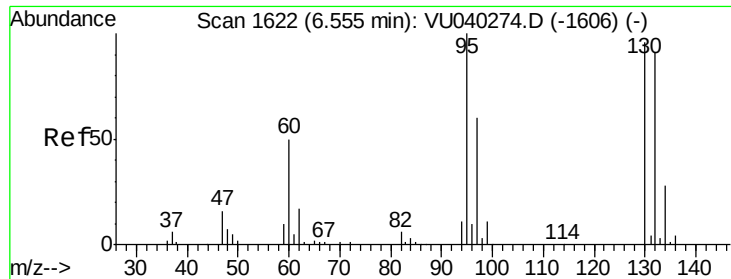
Acq: 24 Sep 2020 17:07

Tgt Ion: 78 Resp: 1462204



Abundance Ion 78.10 (77.80 to 78.80): VU0

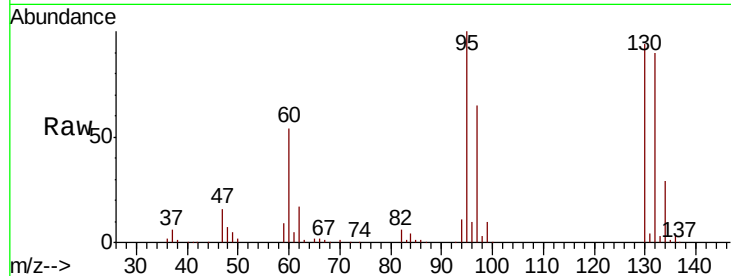




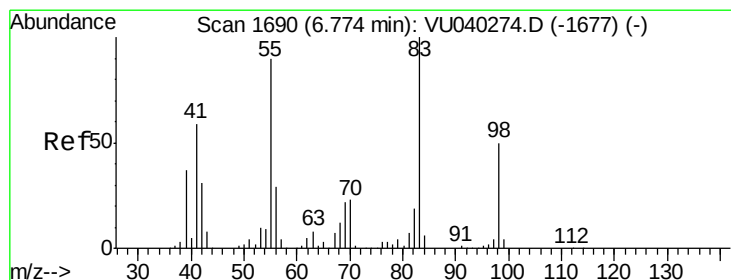
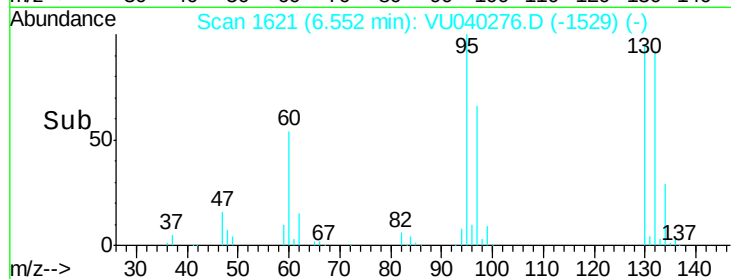
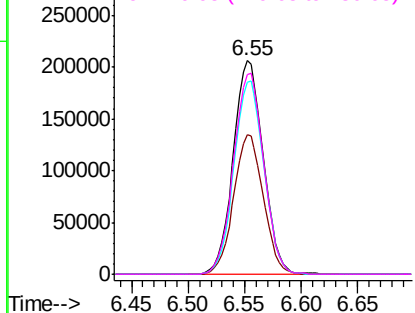
#34
 Trichloroethene
 Concen: 24.228 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040276.D
 Acq: 24 Sep 2020 17:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020105

Tot Ion:	95	Resp:	380465
Ion	Ratio	Lower	Upper
95	100		
97	65.4	42.1	78.3
132	90.2	63.8	118.4
130	93.6	67.3	125.1

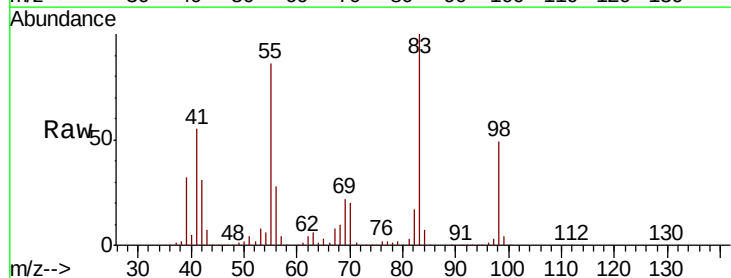


Abundance Ion 95.00 (94.70 to 95.70): VU040276.D (-1529) (-)
 Ion 96.95 (96.65 to 97.65): VU040276.D (-1529) (-)
 Ion 131.95 (131.65 to 132.65): VU040276.D (-1529) (-)
 Ion 129.95 (129.65 to 130.65): VU040276.D (-1529) (-)

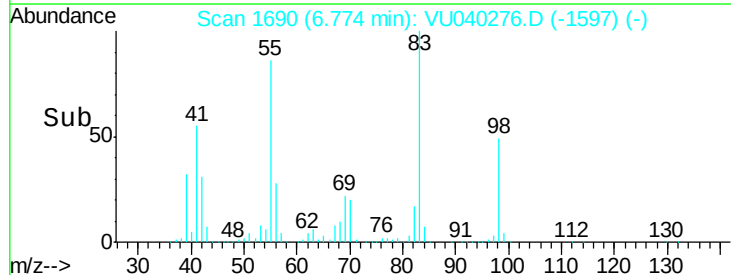
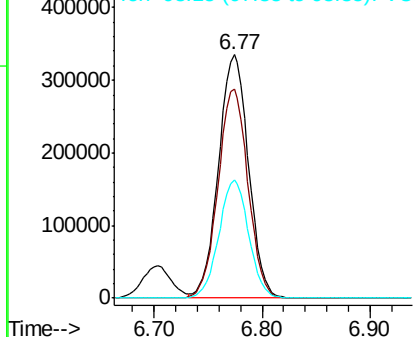


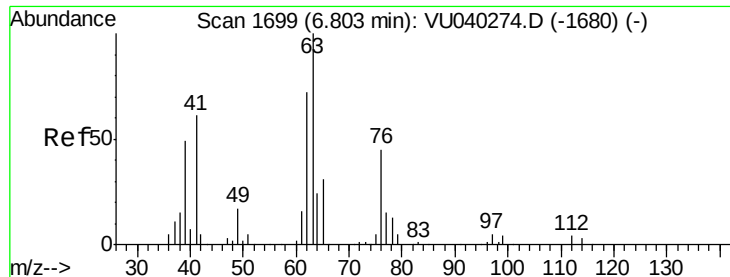
#35
 Methylcyclohexane
 Concen: 24.541 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU040276.D
 Acq: 24 Sep 2020 17:07

Tgt Ion:	83	Resp:	647402
Ion	Ratio	Lower	Upper
83	100		
55	85.8	71.7	107.5
98	48.1	38.6	58.0



Abundance Ion 83.15 (82.85 to 83.85): VU040276.D (-1597) (-)
 Ion 55.10 (54.80 to 55.80): VU040276.D (-1597) (-)
 Ion 98.15 (97.85 to 98.85): VU040276.D (-1597) (-)

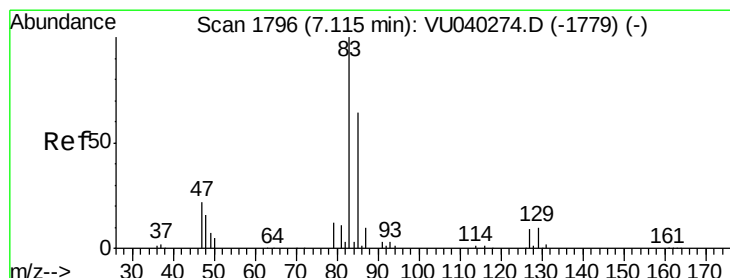
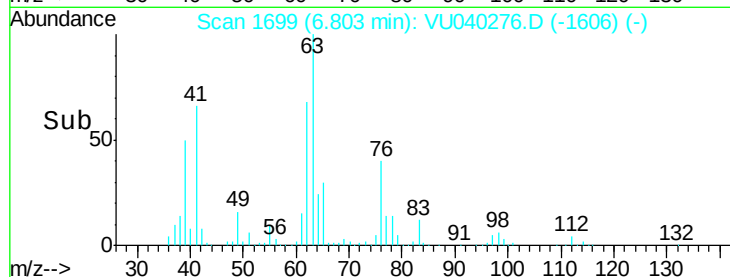
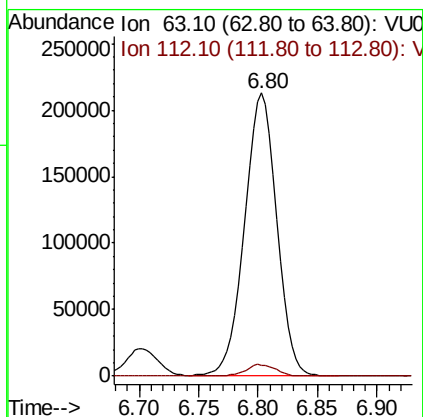
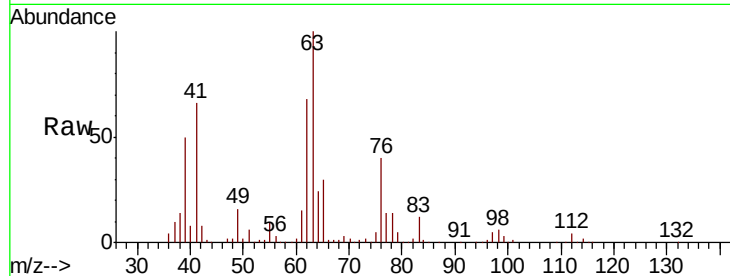




#37
 1,2-Dichloropropane
 Concen: 26.605 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU040276.D
 Acq: 24 Sep 2020 17:07

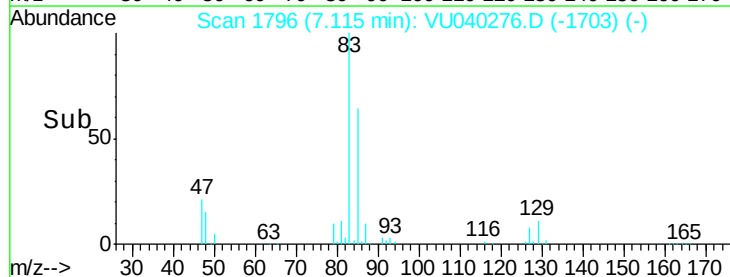
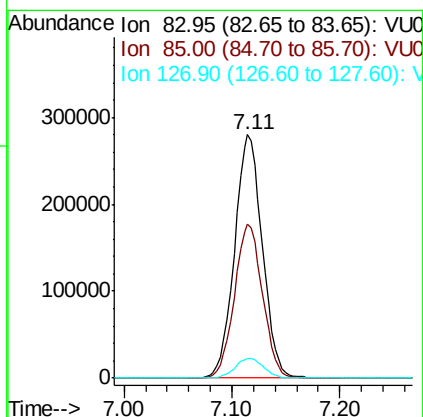
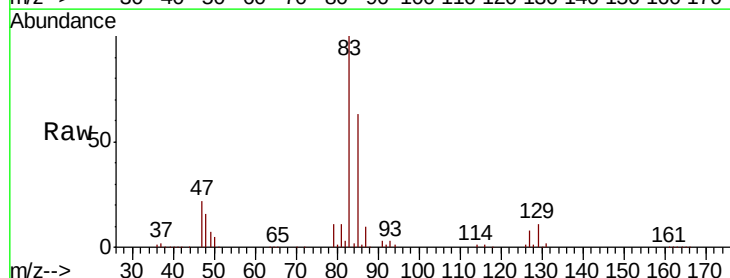
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020105

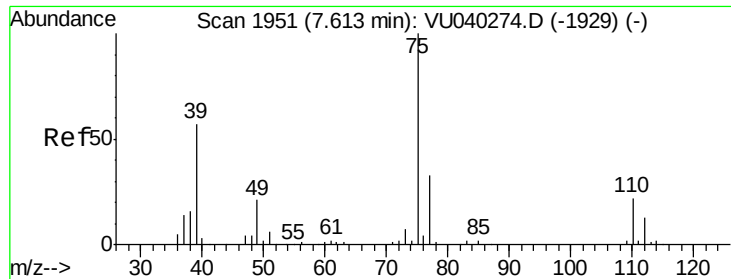
Tot Ion: 63 Resp: 398218
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.5 5.3



#38
 Bromodichloromethane
 Concen: 27.091 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040276.D
 Acq: 24 Sep 2020 17:07

Tgt Ion: 83 Resp: 502124
 Ion Ratio Lower Upper
 83 100
 85 63.1 44.6 82.8
 127 8.1 6.8 10.2

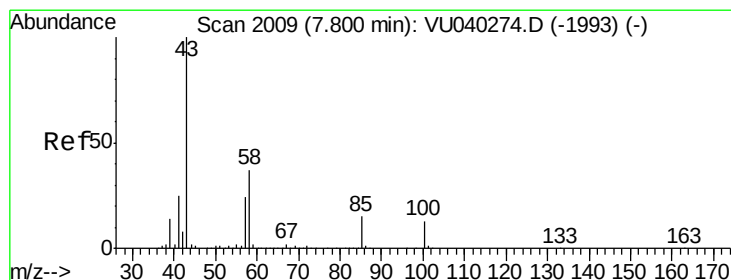
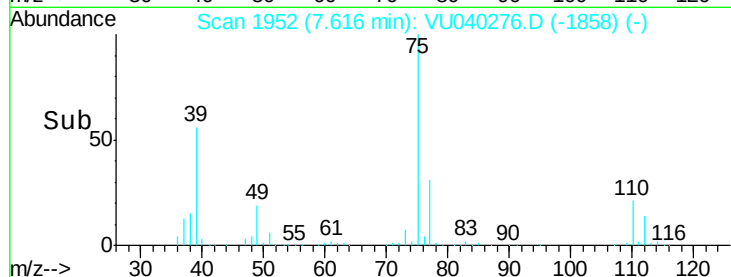
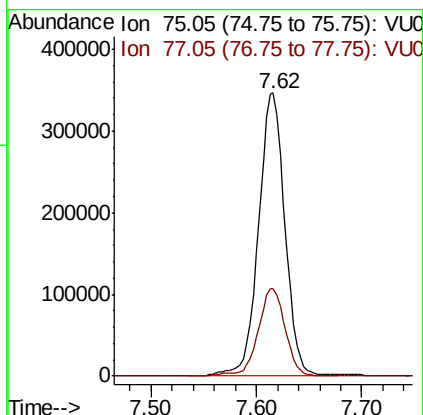
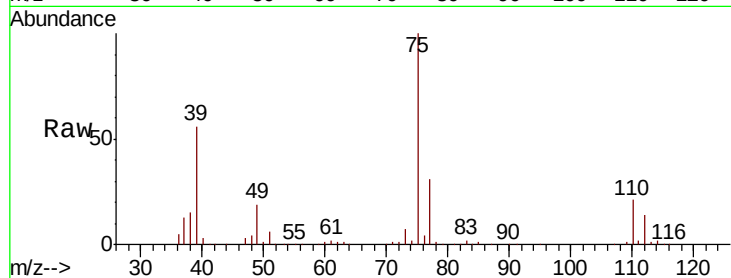




#39
 cis-1,3-Dichloropropene
 Concen: 26.715 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040276.D
 Acq: 24 Sep 2020 17:07

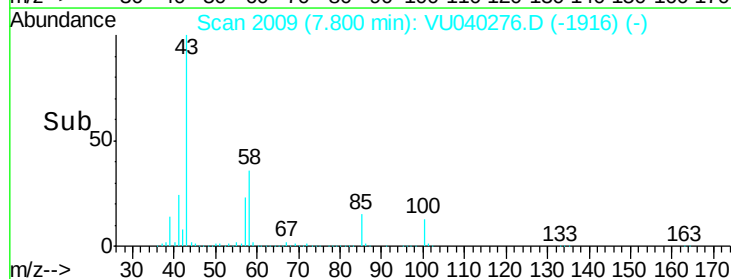
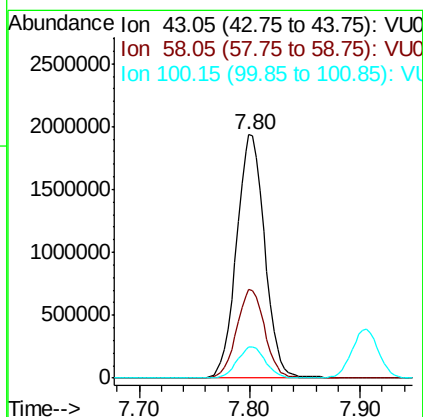
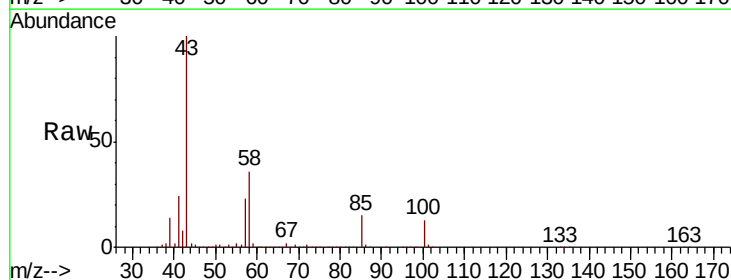
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020105

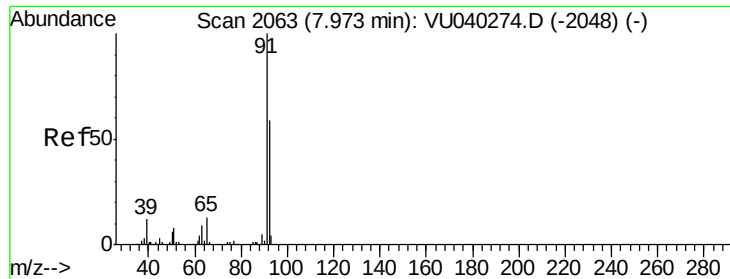
Tot Ion: 75 Resp: 606152
 Ion Ratio Lower Upper
 75 100
 77 30.9 23.4 43.4



#40
 4-Methyl-2-pentanone
 Concen: 360.675 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040276.D
 Acq: 24 Sep 2020 17:07

Tgt Ion: 43 Resp: 3419430
 Ion Ratio Lower Upper
 43 100
 58 36.3 28.8 43.2
 100 12.8 10.3 15.5





#42

Toluene

Concen: 23.271 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040276.D

Acq: 24 Sep 2020 17:07

Instrument :

MSVOA_U

ClientSampleId :

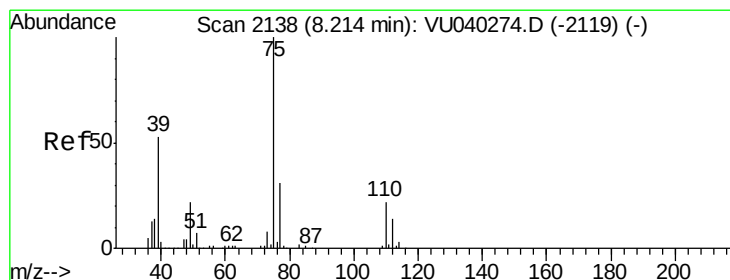
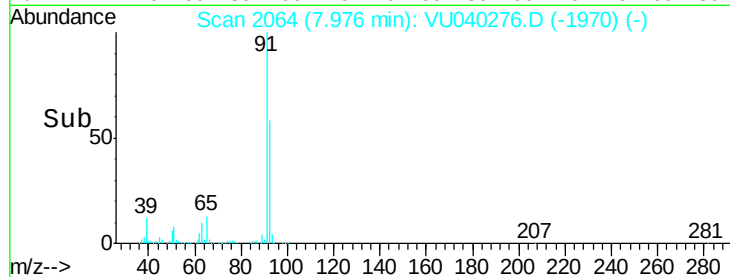
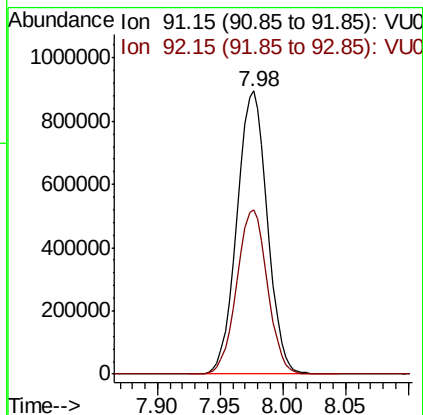
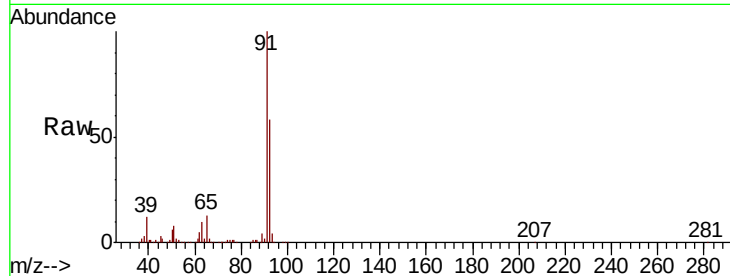
VSTD020105

Tot Ion: 91 Resp: 1509248

Ion Ratio Lower Upper

91 100

92 58.1 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 29.768 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040276.D

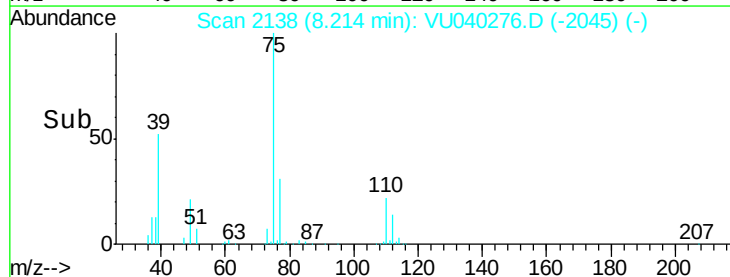
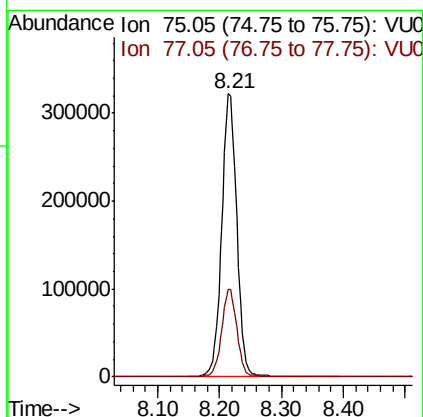
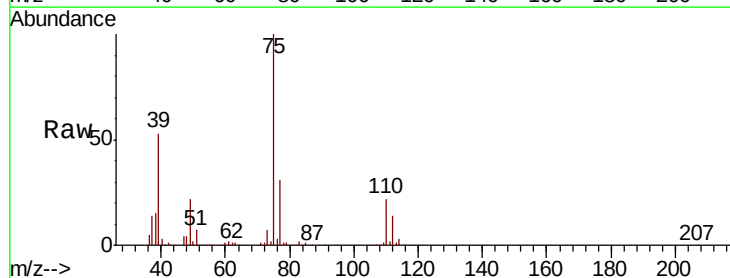
Acq: 24 Sep 2020 17:07

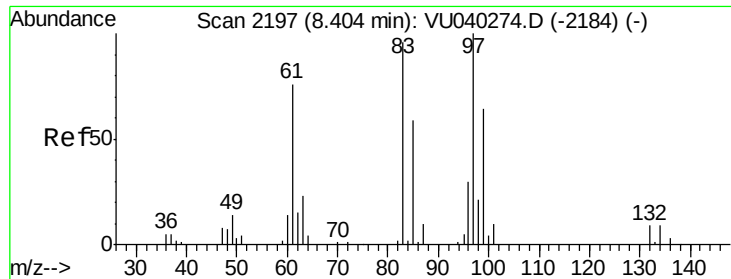
Tgt Ion: 75 Resp: 547069

Ion Ratio Lower Upper

75 100

77 30.9 21.6 40.2

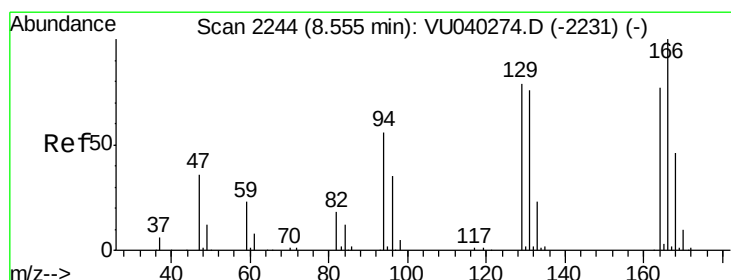
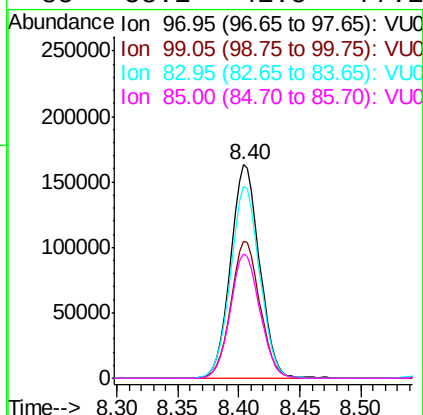
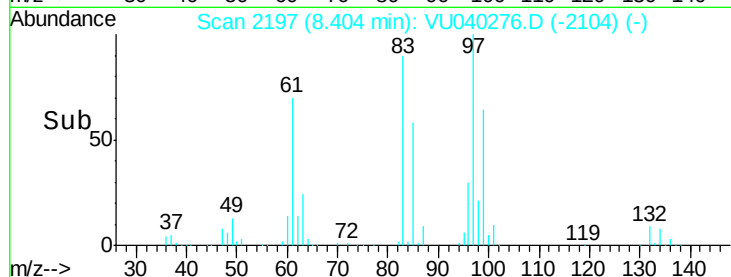
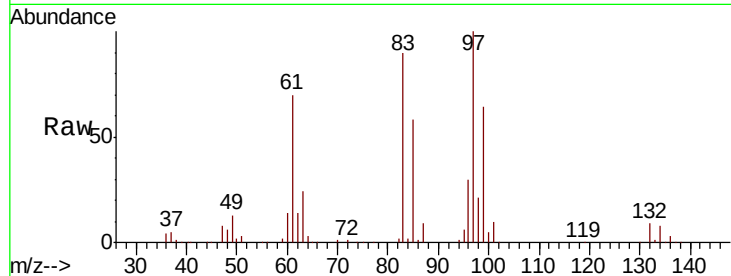




#45
 1,1,2-Trichloroethane
 Concen: 24.759 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040276.D
 Acq: 24 Sep 2020 17:07

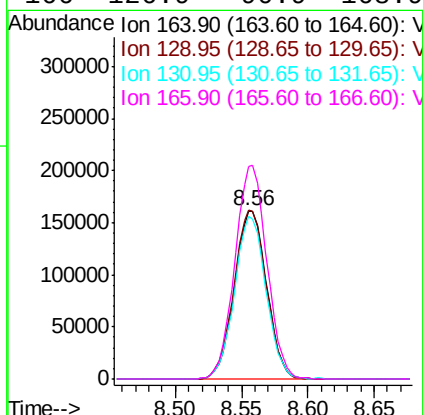
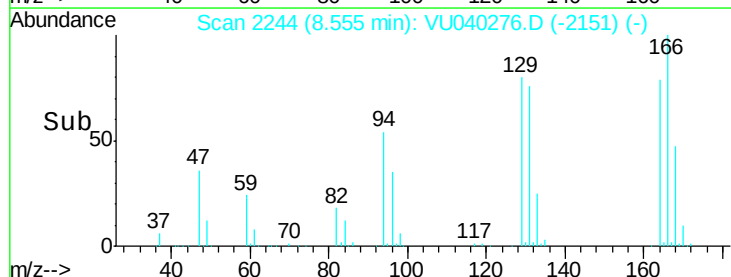
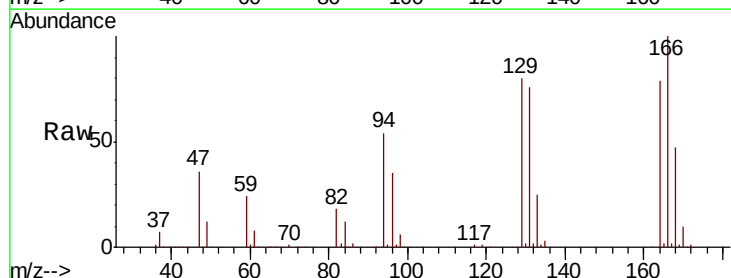
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020105

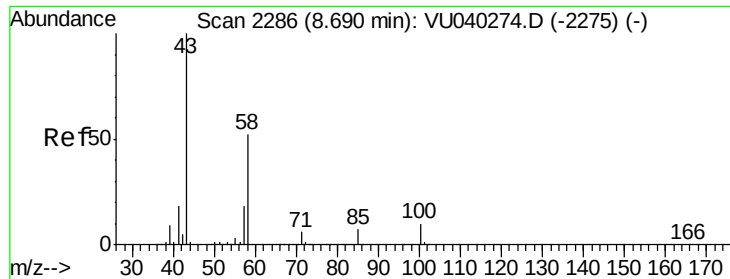
Tot Ion:	97	Resp:	271422
Ion	Ratio	Lower	Upper
97	100		
99	64.3	44.9	83.3
83	89.6	67.3	124.9
85	58.1	41.5	77.1



#47
 Tetrachloroethene
 Concen: 21.848 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU040276.D
 Acq: 24 Sep 2020 17:07

Tgt Ion:	164	Resp:	271526
Ion	Ratio	Lower	Upper
164	100		
129	101.1	71.5	132.7
131	97.0	69.1	128.3
166	126.9	90.9	168.9



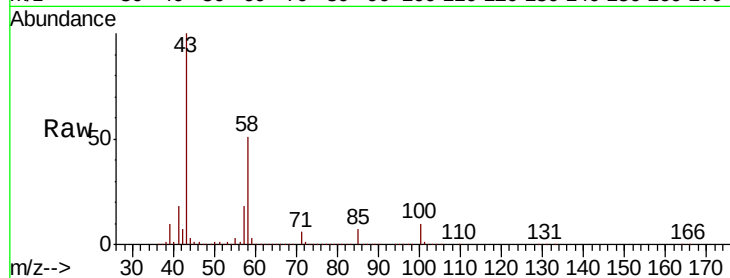


#48
2-Hexanone
Concen: 373.625 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040276.D
Acq: 24 Sep 2020 17:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD020105

Tot Ion: 43 Resp: 2510527

Ion	Ratio	Lower	Upper
43	100		
58	50.6	39.9	59.9
57	17.7	13.8	20.8
100	10.1	7.9	11.9

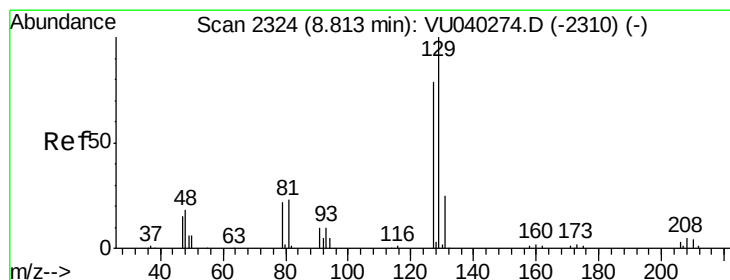
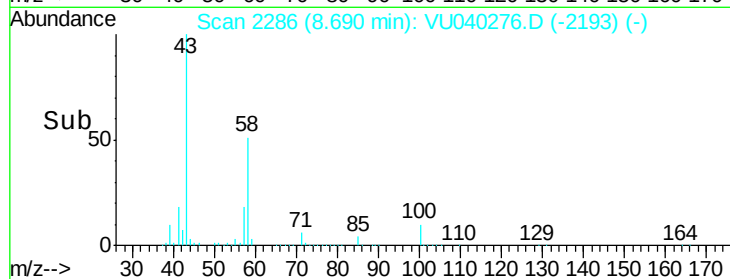
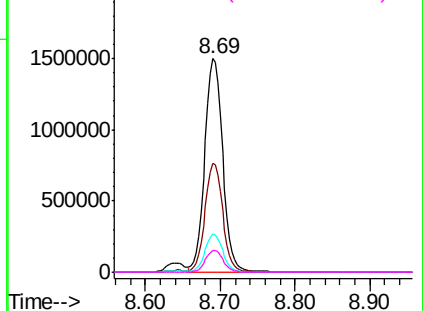


Abundance Ion 43.05 (42.75 to 43.75): VU040276.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU040276.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU040276.D (-2193) (-)

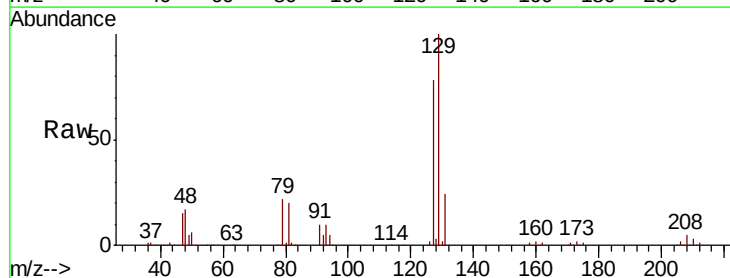
Ion 100.15 (99.85 to 100.85): VU040276.D (-2193) (-)



#49
Dibromochloromethane
Concen: 26.391 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040276.D
Acq: 24 Sep 2020 17:07

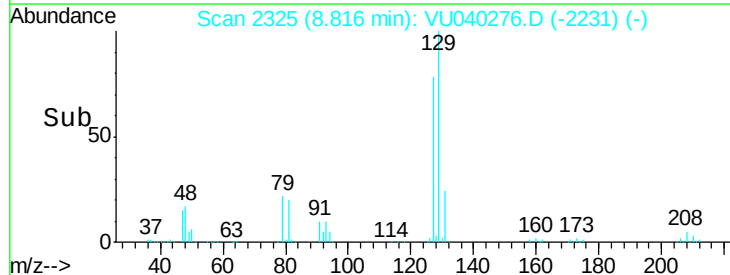
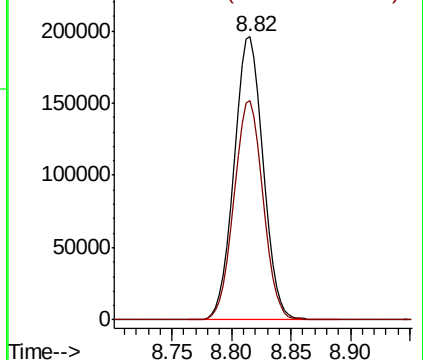
Tgt Ion: 129 Resp: 333365

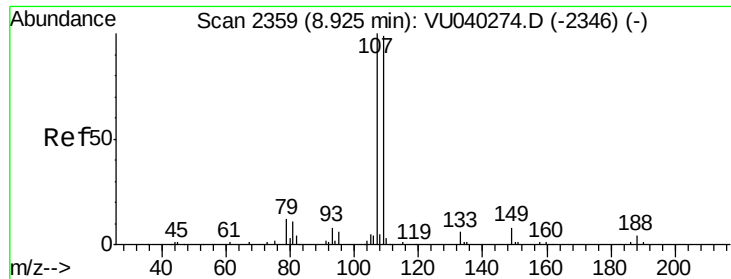
Ion	Ratio	Lower	Upper
129	100		
127	77.7	55.0	102.2



Abundance Ion 128.95 (128.65 to 129.65): VU040276.D (-2231) (-)

Ion 126.90 (126.60 to 127.60): VU040276.D (-2231) (-)

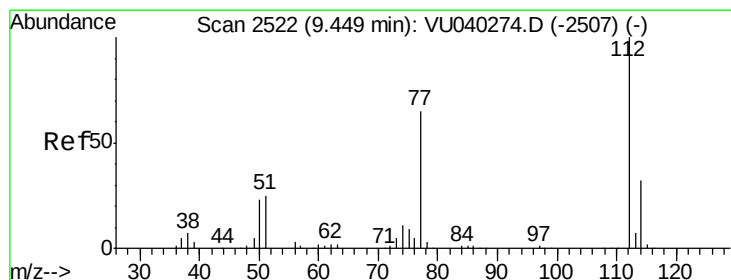
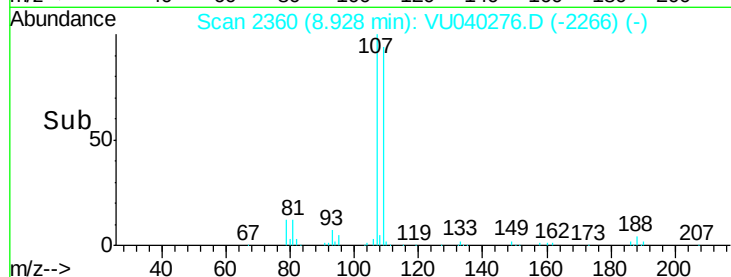
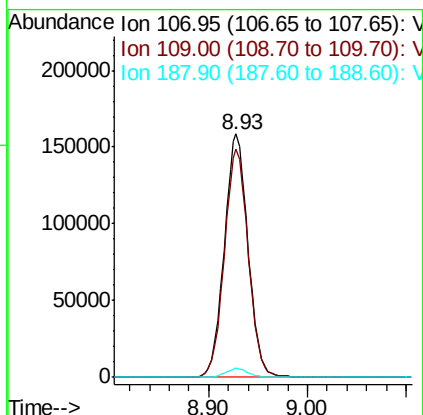
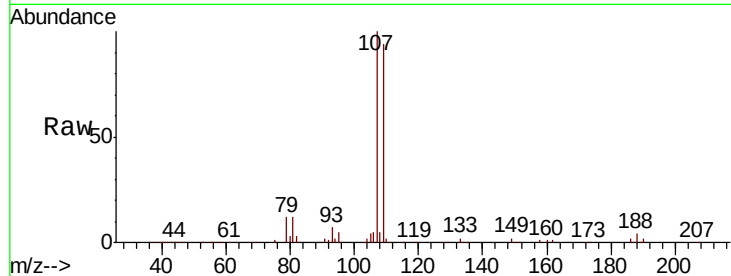




#50
 1,2-Dibromoethane
 Concen: 24.880 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040276.D
 Acq: 24 Sep 2020 17:07

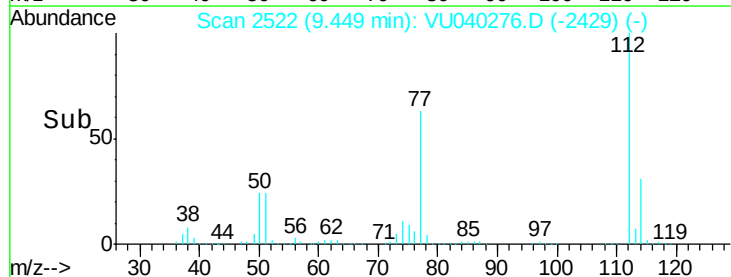
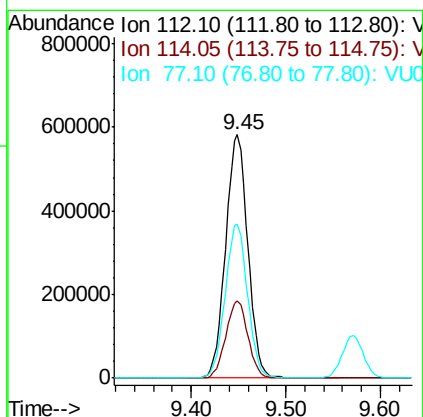
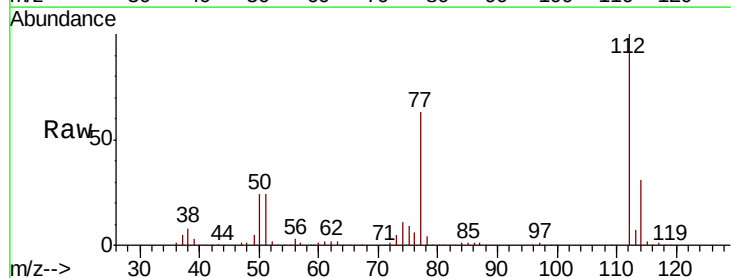
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020105

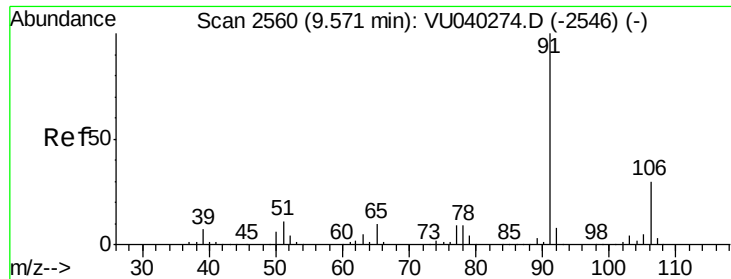
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	69.4	129.0
188	3.6	2.9	4.3



#51
 Chlorobenzene
 Concen: 22.985 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU040276.D
 Acq: 24 Sep 2020 17:07

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.7	42.3
77	63.4	52.0	78.0





#52

Ethylbenzene

Concen: 24.285 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040276.D

Acq: 24 Sep 2020 17:07

Instrument :

MSVOA_U

ClientSampleId :

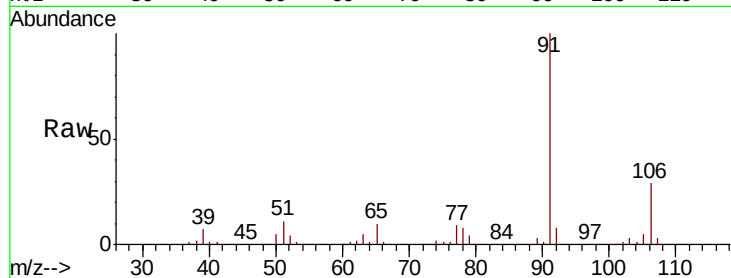
VSTD020105

Tot Ion: 91 Resp: 1714262

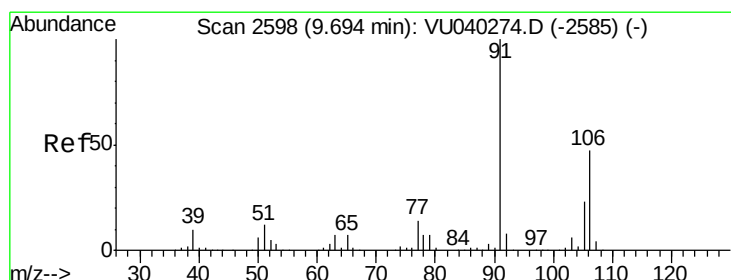
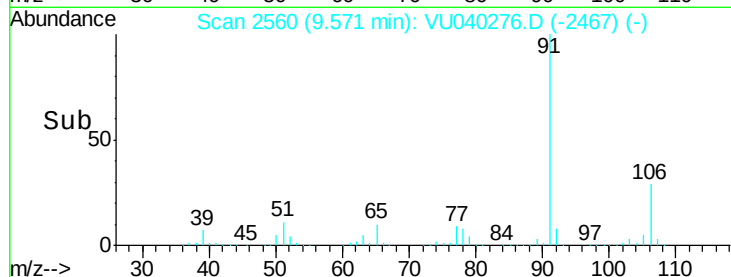
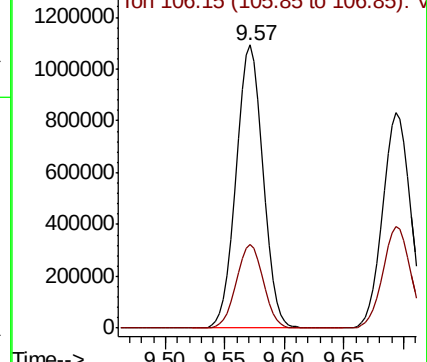
Ion Ratio Lower Upper

91 100

106 29.4 20.6 38.4



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



#53

m,p-Xylene

Concen: 23.474 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040276.D

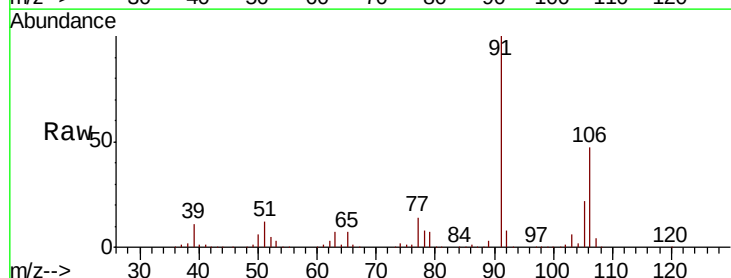
Acq: 24 Sep 2020 17:07

Tgt Ion: 106 Resp: 634604

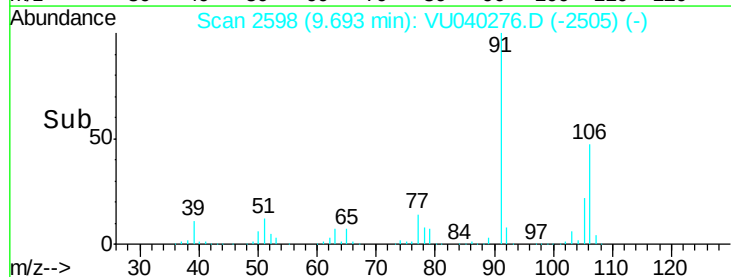
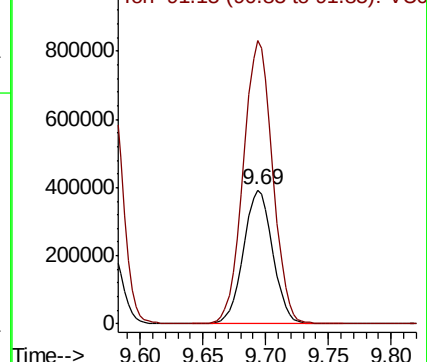
Ion Ratio Lower Upper

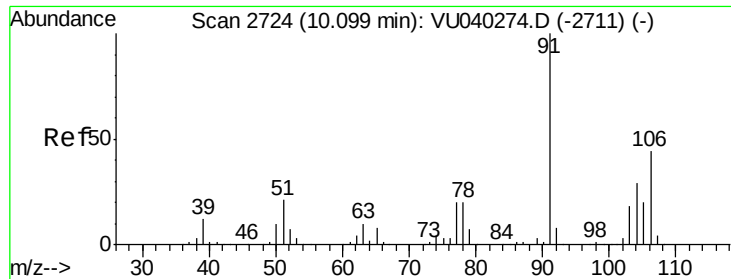
106 100

91 211.6 150.4 279.2



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





#54

o-Xylene

Concen: 23.253 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU040276.D

Acq: 24 Sep 2020 17:07

Instrument :

MSVOA_U

ClientSampleId :

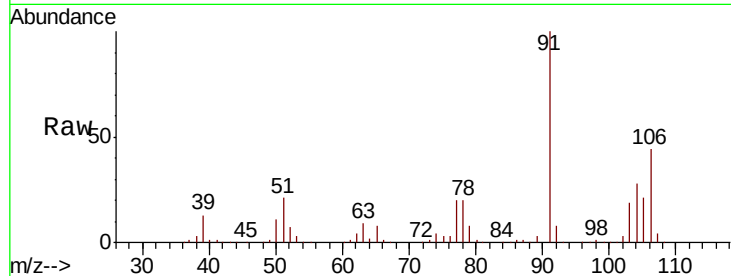
VSTD020105

Tot Ion:106 Resp: 613485

Ion Ratio Lower Upper

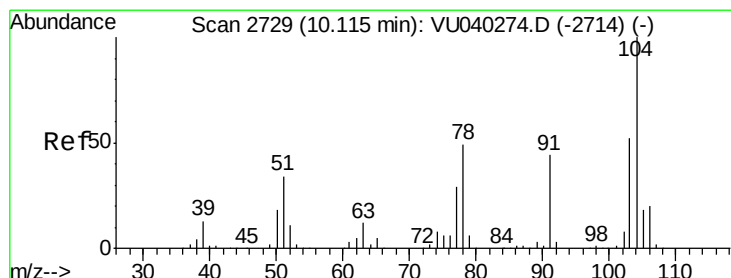
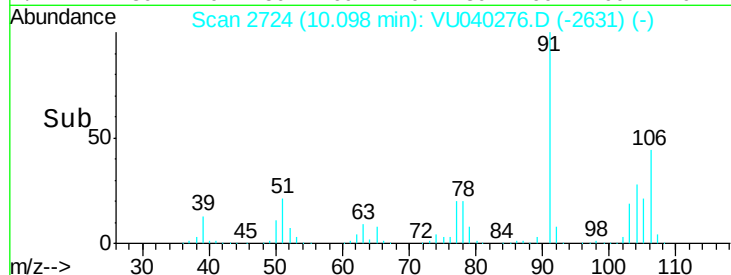
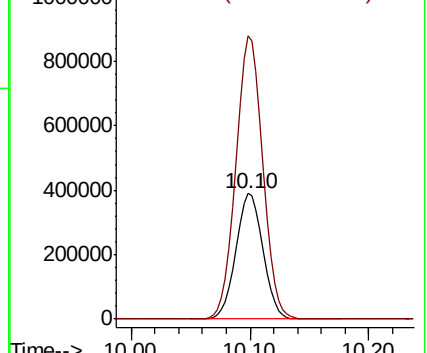
106 100

91 225.7 160.5 298.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 24.339 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU040276.D

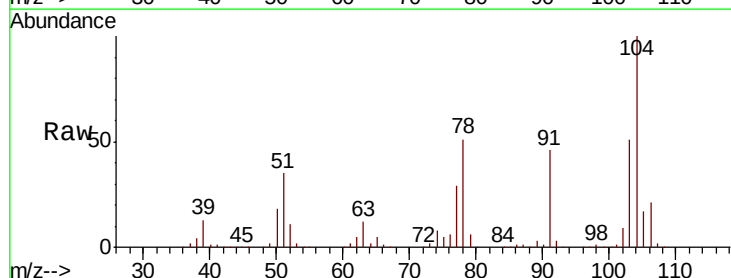
Acq: 24 Sep 2020 17:07

Tgt Ion:104 Resp: 1068163

Ion Ratio Lower Upper

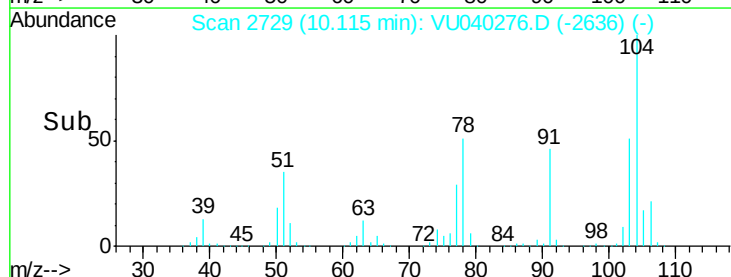
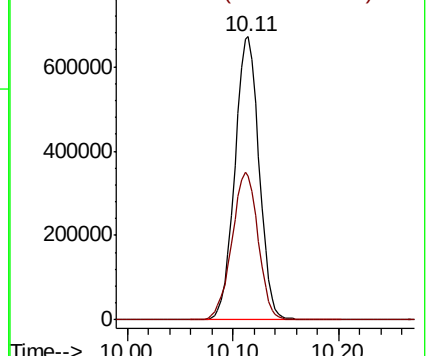
104 100

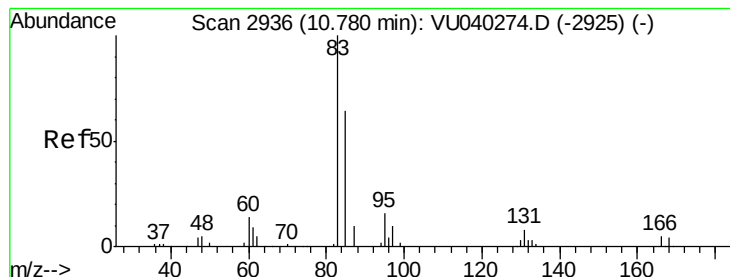
78 51.0 34.6 64.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#57

1,1,2,2-Tetrachloroethane

Concen: 26.979 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040276.D

Acq: 24 Sep 2020 17:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD020105

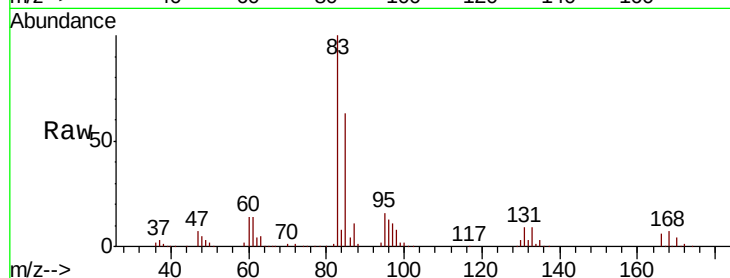
Tot Ion: 83 Resp: 379260

Ion Ratio Lower Upper

83 100

85 63.0 45.5 84.5

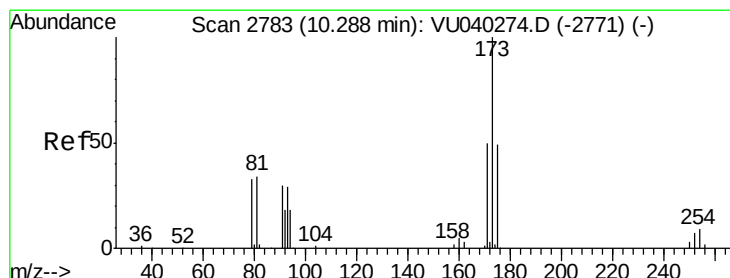
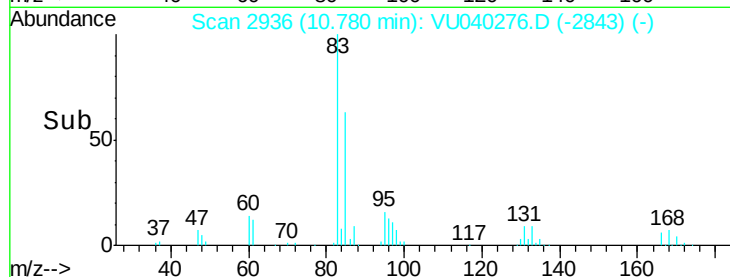
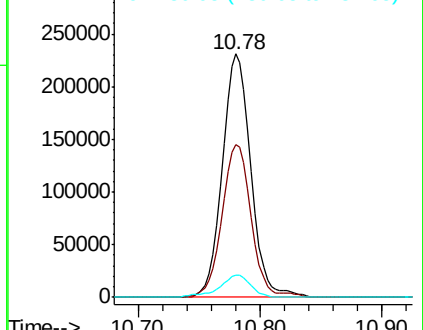
131 8.9 7.4 11.2



Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V



#59

Bromoform

Concen: 24.201 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040276.D

Acq: 24 Sep 2020 17:07

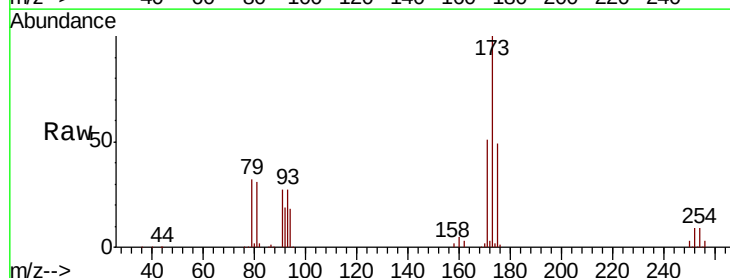
Tgt Ion:173 Resp: 189430

Ion Ratio Lower Upper

173 100

175 49.0 39.0 58.6

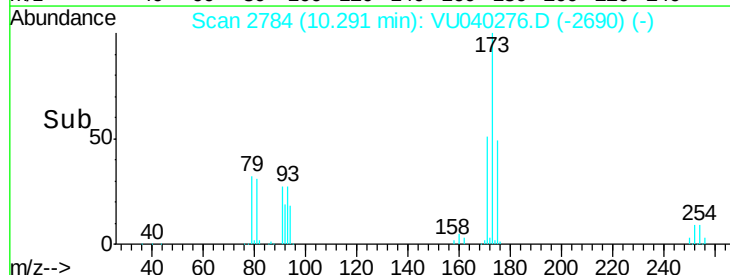
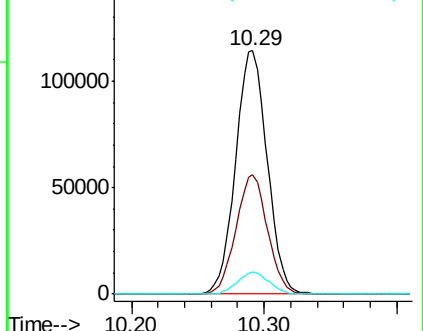
254 9.1 7.1 10.7

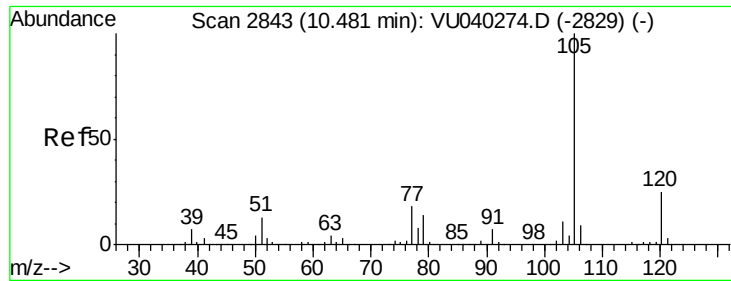


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#60

Isopropylbenzene

Concen: 21.772 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040276.D

Acq: 24 Sep 2020 17:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD020105

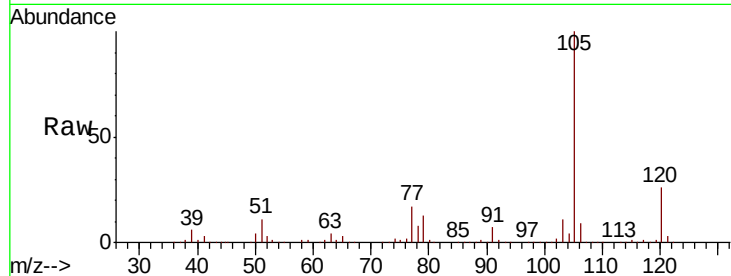
Tot Ion:105 Resp: 1668820

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

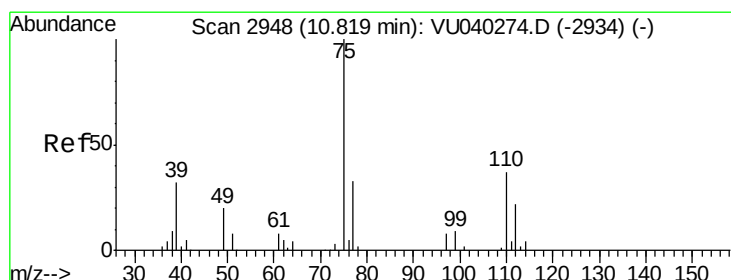
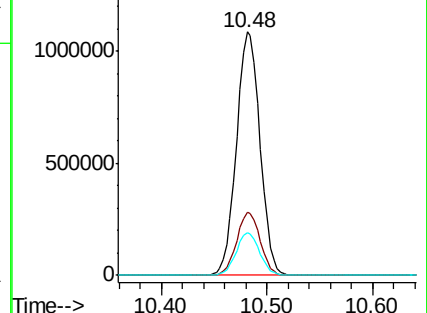
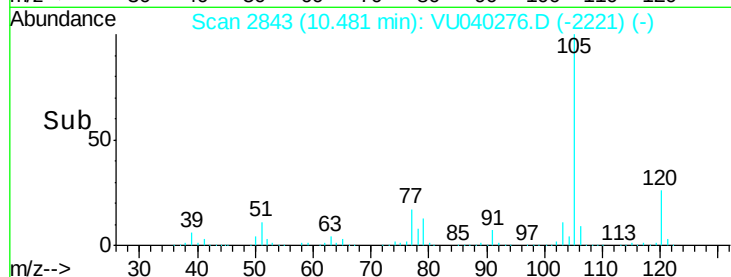
77 17.4 14.2 21.2



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): VU



#61

1,2,3-Trichloropropane

Concen: 25.231 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040276.D

Acq: 24 Sep 2020 17:07

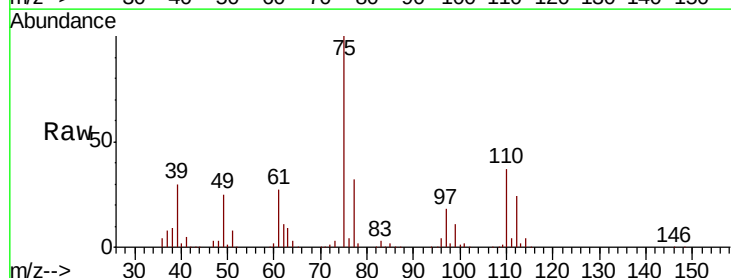
Tgt Ion: 75 Resp: 281754

Ion Ratio Lower Upper

75 100

110 37.3 29.3 43.9

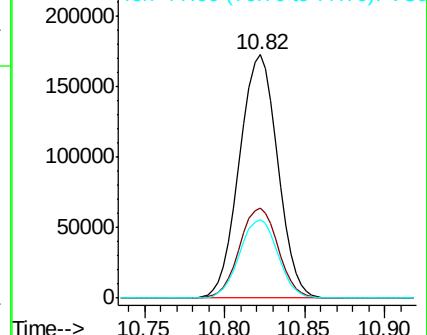
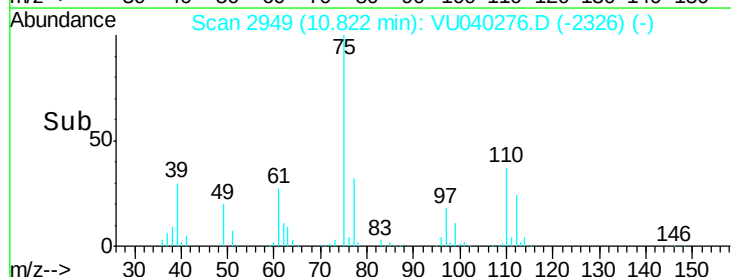
77 32.4 25.9 38.9

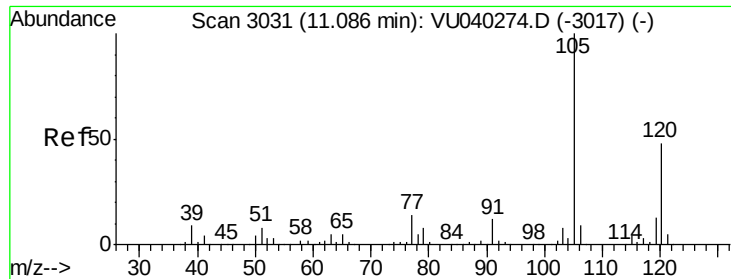


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU





#62

1,3,5-Trimethylbenzene

Concen: 22.371 ug/L

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU040276.D

Acq: 24 Sep 2020 17:07

Instrument :

MSVOA_U

ClientSampleId :

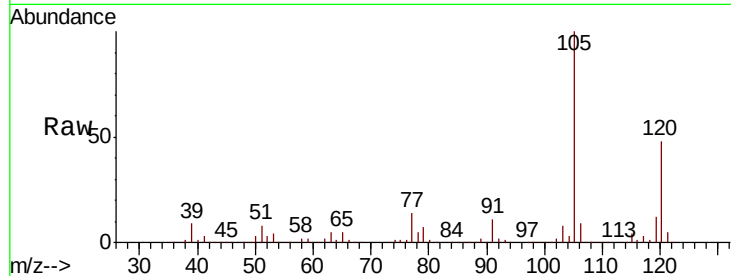
VSTD020105

Tot Ion:105 Resp: 1457009

Ion Ratio Lower Upper

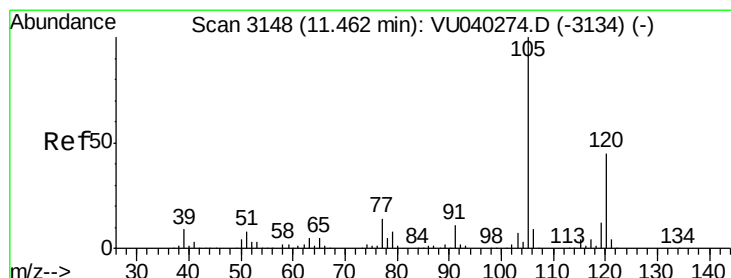
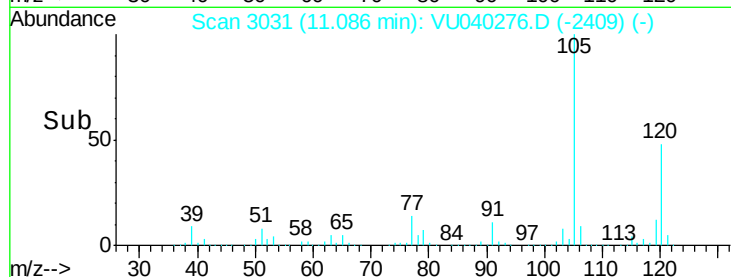
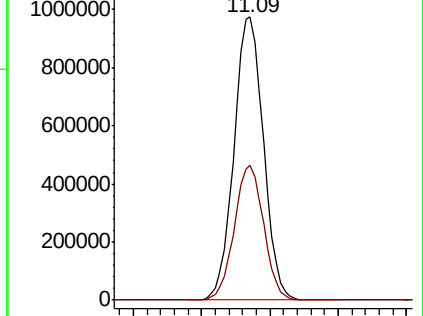
105 100

120 47.5 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: 22.815 ug/L

RT: 11.46 min Scan# 3148

Delta R.T. -0.00 min

Lab File: VU040276.D

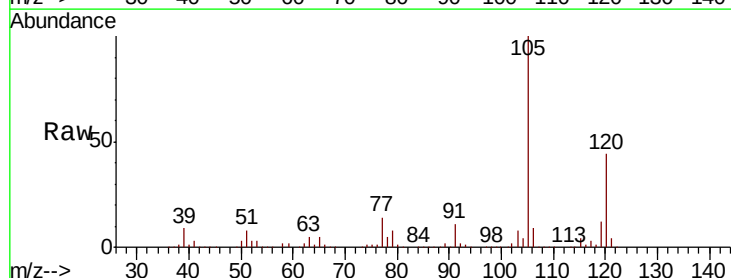
Acq: 24 Sep 2020 17:07

Tgt Ion:105 Resp: 1482905

Ion Ratio Lower Upper

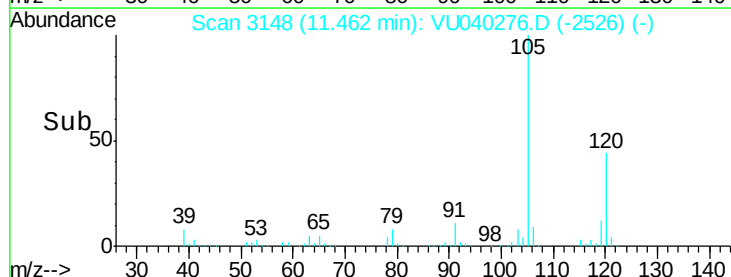
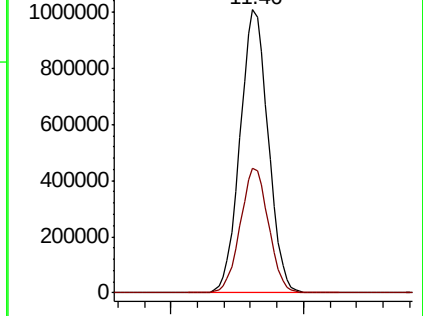
105 100

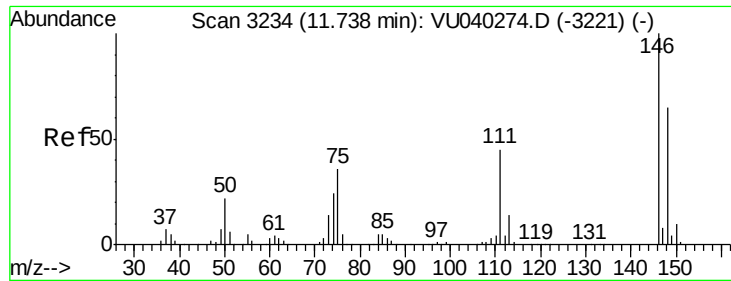
120 44.4 36.0 54.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

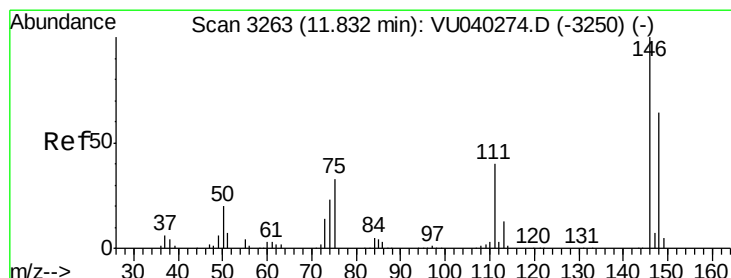
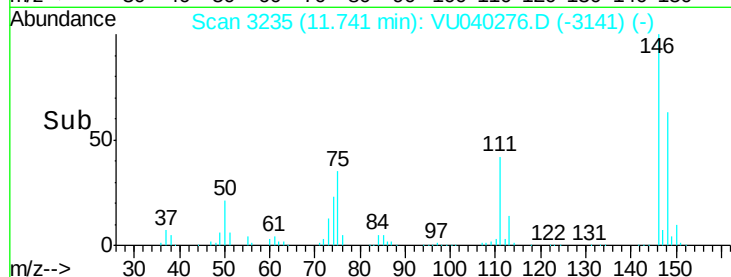
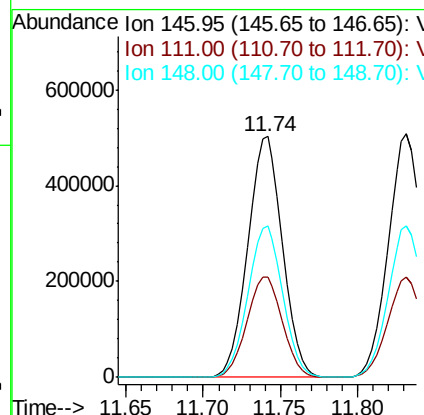
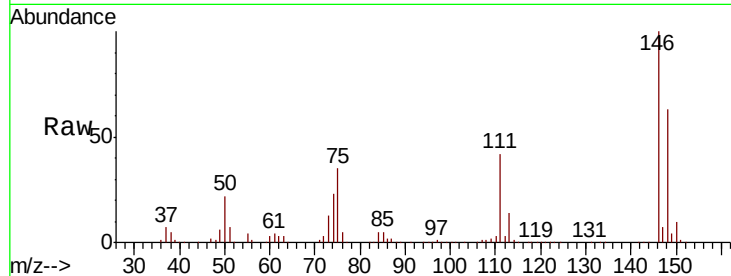




#64
 1,3-Dichlorobenzene
 Concen: 21.808 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040276.D
 Acq: 24 Sep 2020 17:07

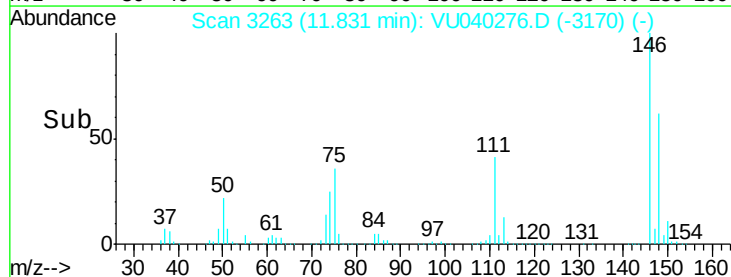
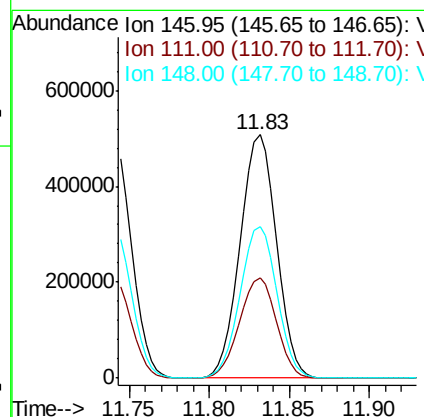
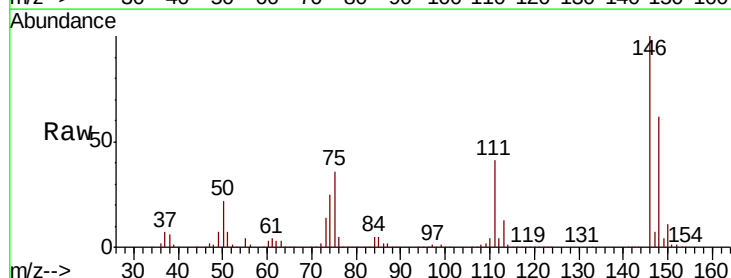
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020105

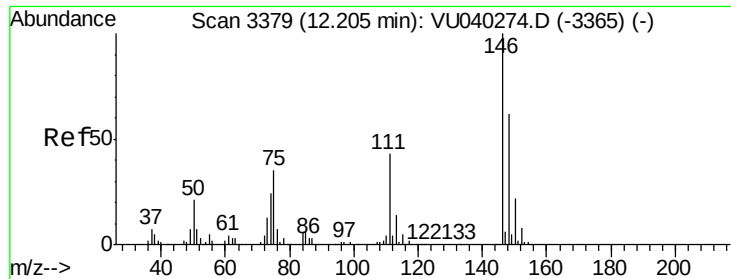
Tot Ion:146 Resp: 782910
 Ion Ratio Lower Upper
 146 100
 111 41.8 31.6 58.8
 148 62.6 45.1 83.9



#65
 1,4-Dichlorobenzene
 Concen: 21.671 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040276.D
 Acq: 24 Sep 2020 17:07

Tgt Ion:146 Resp: 783959
 Ion Ratio Lower Upper
 146 100
 111 41.1 28.2 52.4
 148 62.4 45.2 84.0

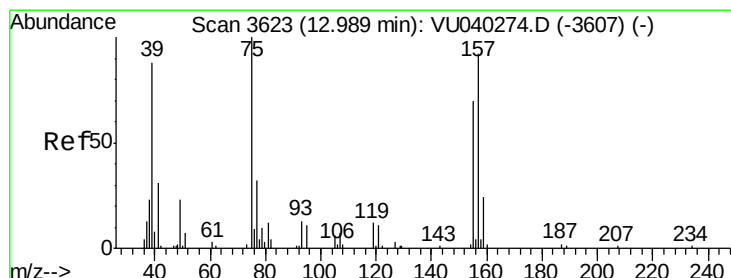
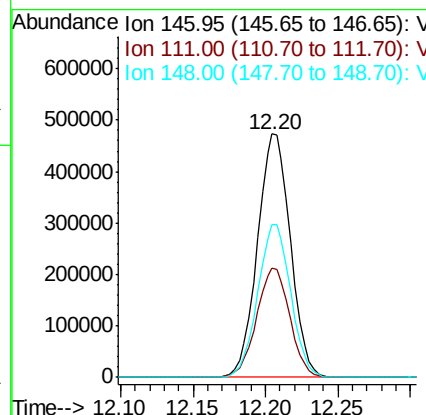
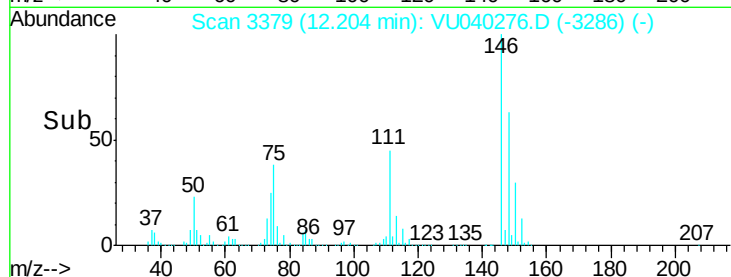
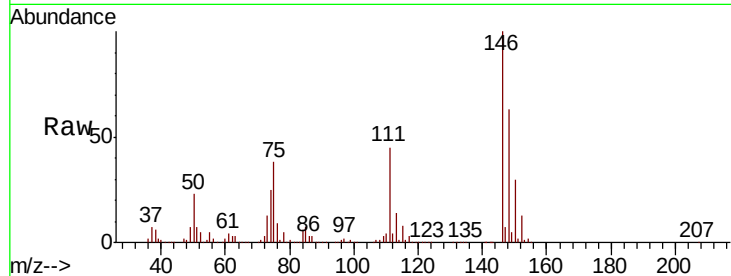




#67
 1,2-Dichlorobenzene
 Concen: 21.663 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU040276.D
 Acq: 24 Sep 2020 17:07

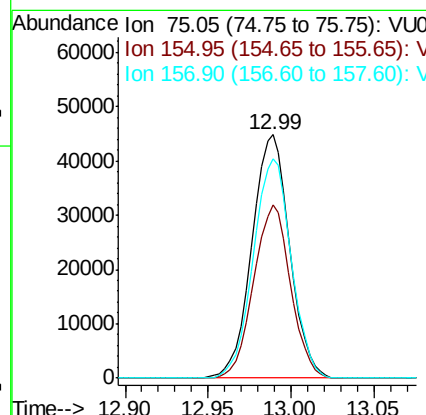
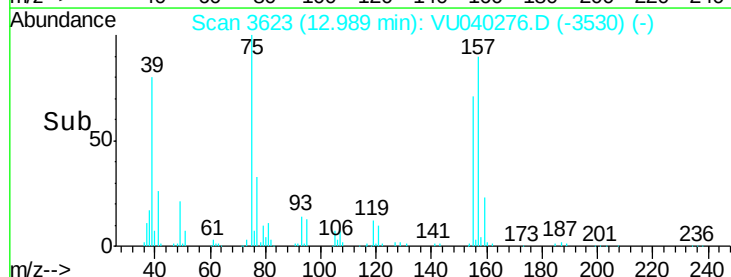
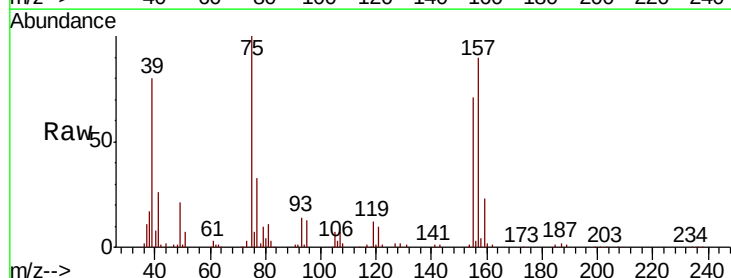
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020105

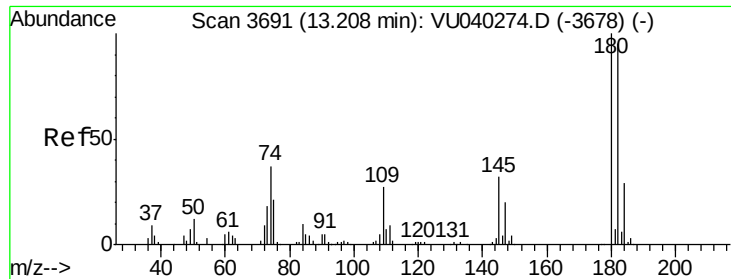
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	34.2	51.4
148	63.0	49.4	74.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 29.607 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU040276.D
 Acq: 24 Sep 2020 17:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.0	56.3	84.5
157	90.3	73.5	110.3

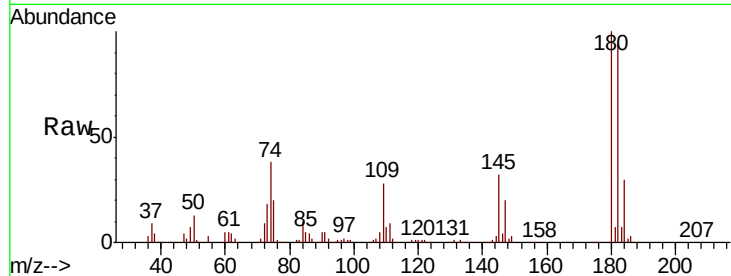




#69
 1,3,5-Trichlorobenzene
 Concen: 21.258 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040276.D
 Acq: 24 Sep 2020 17:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020105

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.8	113.6
184	30.0	23.7	35.5
145	32.1	25.4	38.0

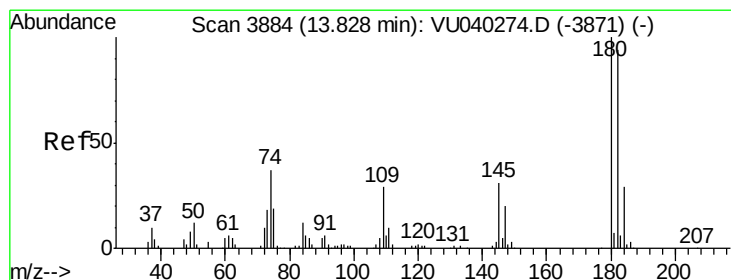
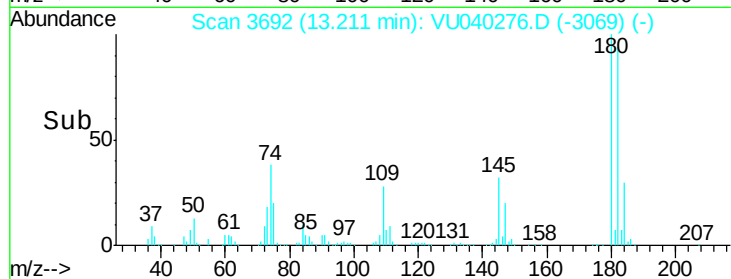
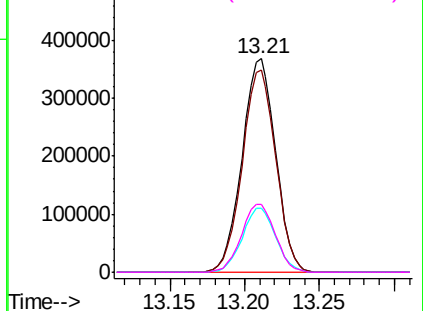


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

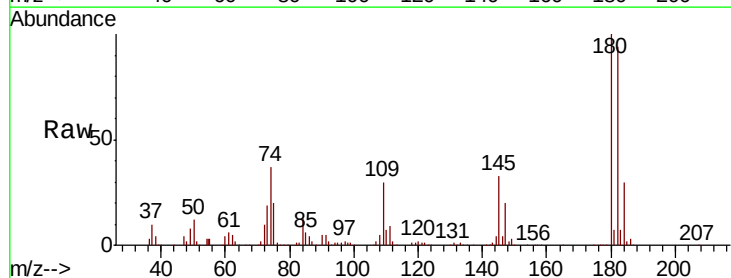
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 25.230 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040276.D
 Acq: 24 Sep 2020 17:07

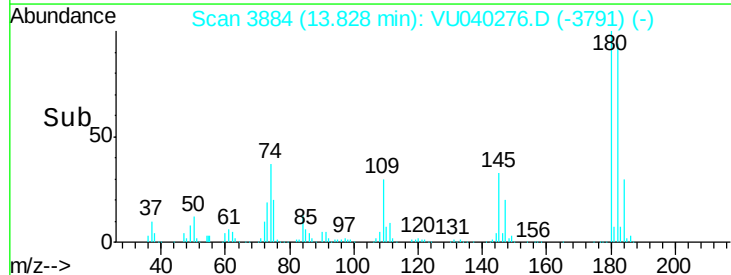
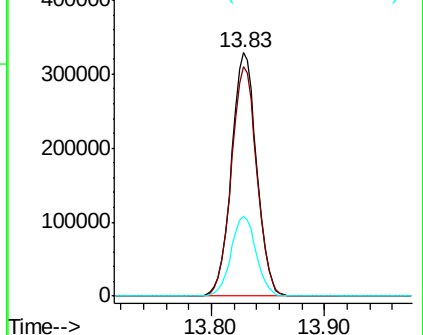
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.3	114.5
145	33.0	25.9	38.9

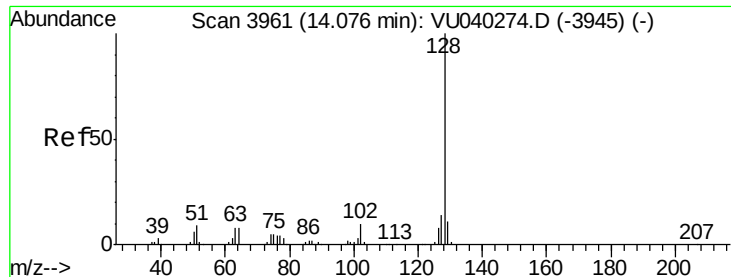


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

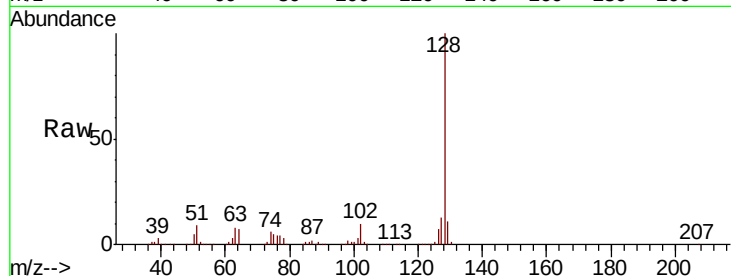




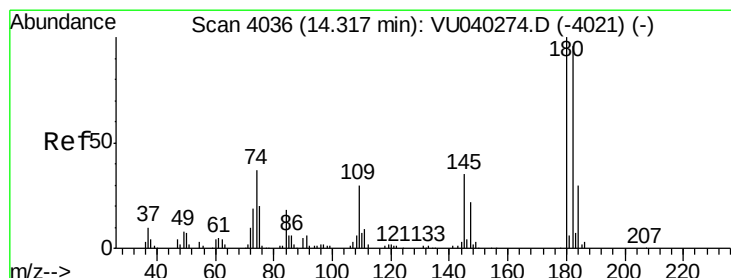
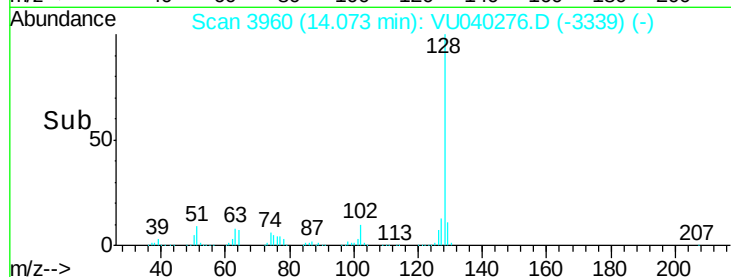
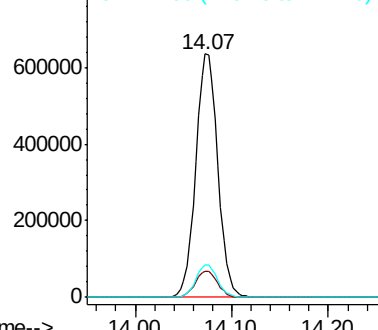
#71
Naphthalene
Concen: 33.452 ug/L
RT: 14.07 min Scan# 3960
Delta R.T. -0.00 min
Lab File: VU040276.D
Acq: 24 Sep 2020 17:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD020105

Tot Ion:128 Resp: 1001753
Ion Ratio Lower Upper
128 100
129 10.9 8.4 12.6
127 13.1 10.6 15.8

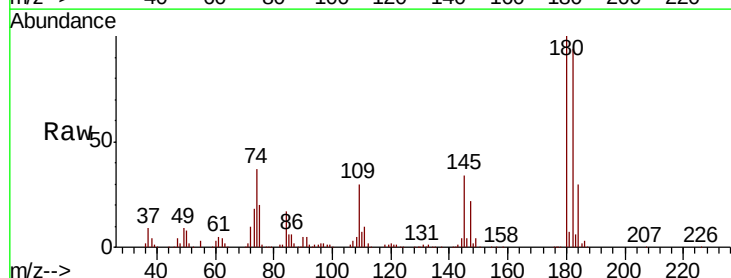


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#72
1,2,3-Trichlorobenzene
Concen: 24.998 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. -0.00 min
Lab File: VU040276.D
Acq: 24 Sep 2020 17:07

Tgt Ion:180 Resp: 452334
Ion Ratio Lower Upper
180 100
182 95.5 78.0 117.0
145 34.8 28.6 42.8



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

