

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120420\
 Data File : VU041464.D
 Acq On : 04 Dec 2020 11:16
 Operator : SY/MD
 Sample : VSTD02004
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02004

Quant Time: Dec 05 04:57:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 05 04:54:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	61400	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	58226	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	35824	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	63929	18.79	ug/L	0.00
7) Chloroethane-d5	1.92	69	55528	19.16	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	157088	19.36	ug/L	0.00
20) 2-Butanone-d5	4.65	46	264609	225.31	ug/L	0.00
24) Chloroform-d	5.08	84	176438	19.92	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	114196	19.40	ug/L	0.00
32) Benzene-d6	5.74	84	267561	20.13	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	80710	21.01	ug/L	0.00
41) Toluene-d8	7.91	98	269008	21.25	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.18	79	50581	22.64	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	222843	254.52	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	90816	21.20	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	129864	20.30	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	111318	18.023	ug/L 98
3) Chloromethane	1.53	50	71792	18.221	ug/L 98
5) Vinyl chloride	1.61	62	84917	19.088	ug/L 99
6) Bromomethane	1.87	94	61311	20.046	ug/L 96
8) Chloroethane	1.94	64	52419	17.395	ug/L 96
9) Trichlorofluoromethane	2.15	101	195034	19.671	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	83795	20.194	ug/L 98
12) 1,1-Dichloroethene	2.59	96	73079	19.945	ug/L 87
13) Acetone	2.66	43	190020	208.335	ug/L 96
14) Carbon disulfide	2.81	76	225692	21.793	ug/L 98
15) Methyl Acetate	2.97	43	36441	19.291	ug/L 98
16) Methylene chloride	3.06	84	80209	15.213	ug/L 98
17) Methyl tert-butyl Ether	3.38	73	241511	20.902	ug/L 100
18) trans-1,2-Dichloroethene	3.37	96	76705	20.068	ug/L 92
19) 1,1-Dichloroethane	3.89	63	143269	19.541	ug/L 99
21) 2-Butanone	4.73	43	264537	220.619	ug/L 96
22) cis-1,2-Dichloroethene	4.68	96	86973	20.675	ug/L 94
23) Bromochloromethane	4.99	128	44265	20.548	ug/L 93
25) Chloroform	5.11	83	175254	19.254	ug/L 98
27) 1,2-Dichloroethane	5.81	62	137413	19.480	ug/L 99
29) 1,1,1-Trichloroethane	5.33	97	176913	20.359	ug/L 99
30) Cyclohexane	5.40	56	116584	22.211	ug/L 94
31) Carbon tetrachloride	5.54	117	166621	21.272	ug/L 99
33) Benzene	5.79	78	306820	20.247	ug/L 100
34) Trichloroethene	6.55	95	94247	21.056	ug/L 98
35) Methylcyclohexane	6.77	83	138597	23.437	ug/L 99
37) 1,2-Dichloropropane	6.80	63	74032	19.522	ug/L 98
38) Bromodichloromethane	7.11	83	135113	20.737	ug/L 99
39) cis-1,3-Dichloropropene	7.61	75	139933	22.579	ug/L 95
40) 4-Methyl-2-pentanone	7.80	43	663891	238.682	ug/L 98

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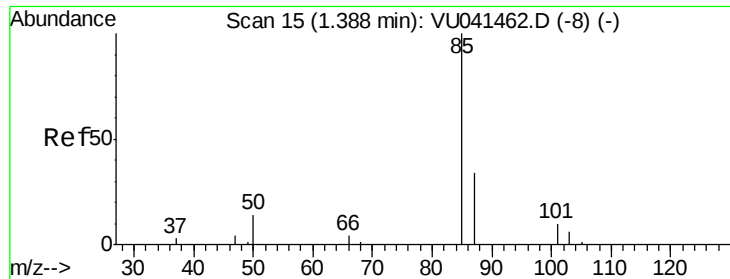
Instrument :
 MSVOA_U
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Quant Time: Dec 05 04:57:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.98	91	359981	21.641	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	141226	21.836	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	67428	20.524	ug/L	95
47) Tetrachloroethene	8.56	164	71850	21.267	ug/L	96
48) 2-Hexanone	8.69	43	520597	243.034	ug/L	99
49) Dibromochloromethane	8.82	129	96633	21.113	ug/L	95
50) 1,2-Dibromoethane	8.93	107	69711	21.532	ug/L #	95
51) Chlorobenzene	9.45	112	230193	20.334	ug/L	97
52) Ethylbenzene	9.57	91	424667	21.912	ug/L	98
53) m,p-Xylene	9.69	106	154673	21.794	ug/L	97
54) o-Xylene	10.10	106	150100	22.475	ug/L	98
55) Styrene	10.11	104	263516	21.970	ug/L	100
56) Isopropylbenzene	10.48	105	431680	22.452	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.78	83	90434	21.734	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	72184	20.839	ug/L	99
61) Bromoform	10.29	173	62219	19.603	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	215613	19.820	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	215715	19.705	ug/L	97
65) 1,2-Dichlorobenzene	12.20	146	217120	20.437	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	21548	20.667	ug/L	96
67) 1,3,5-Trichlorobenzene	13.21	180	175589	20.866	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	152735	22.423	ug/L	99
69) Naphthalene	14.08	128	277544	24.531	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	132005	20.911	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 18.023 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041464.D

Acq: 04 Dec 2020 11:16

Instrument :

MSVOA_U

ClientSampleId :

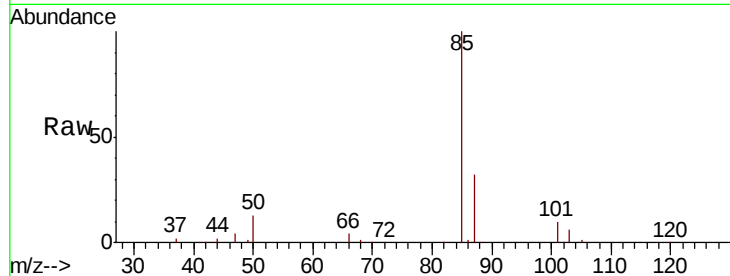
VSTD02004

Tot Ion: 85 Resp: 111318

Ion Ratio Lower Upper

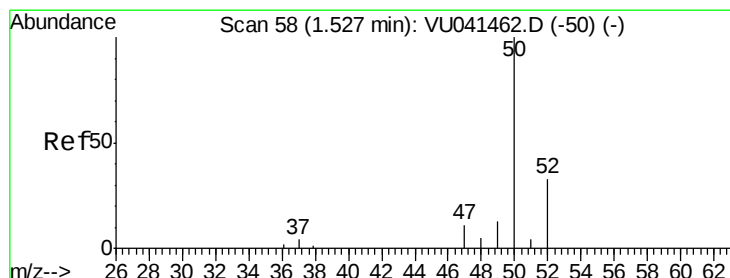
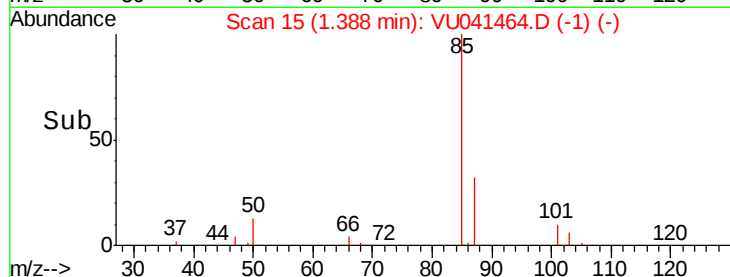
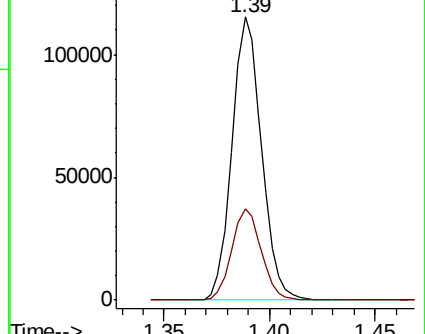
85 100

87 32.2 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 18.221 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041464.D

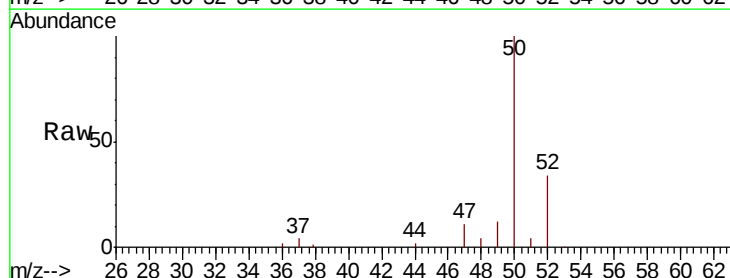
Acq: 04 Dec 2020 11:16

Tgt Ion: 50 Resp: 71792

Ion Ratio Lower Upper

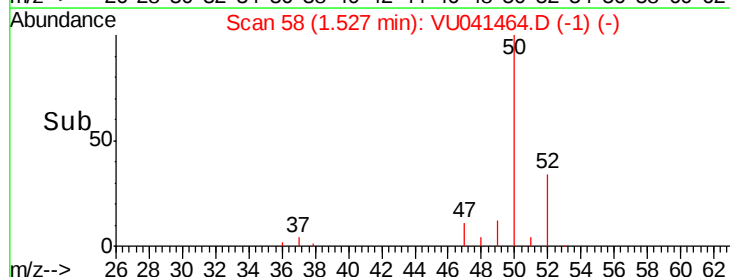
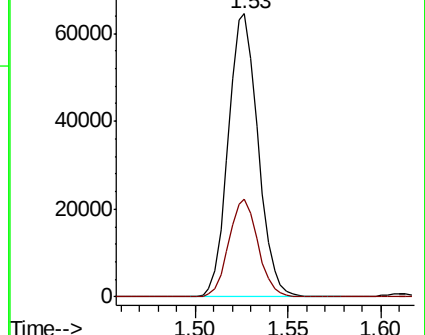
50 100

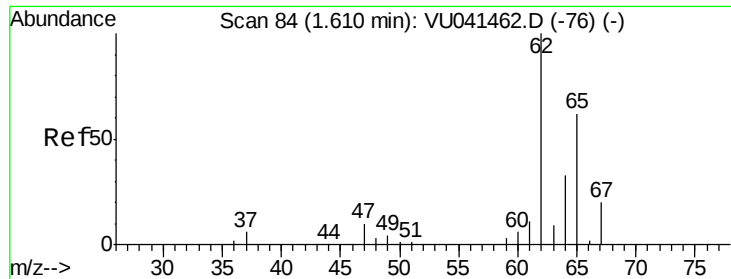
52 34.5 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 19.088 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041464.D

Acq: 04 Dec 2020 11:16

Instrument :

MSVOA_U

ClientSampleId :

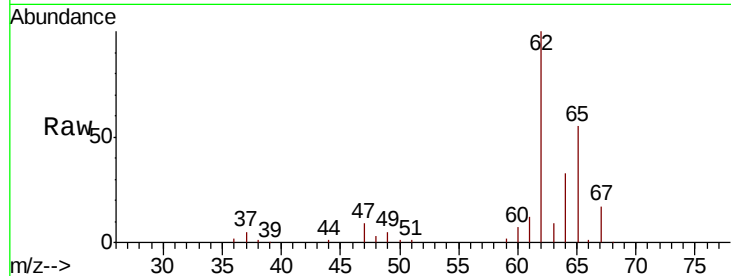
VSTD02004

Tot Ion: 62 Resp: 84917

Ion Ratio Lower Upper

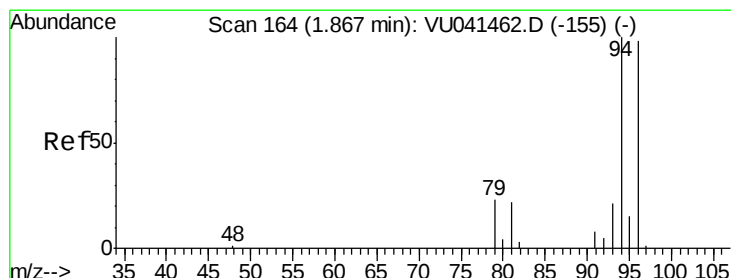
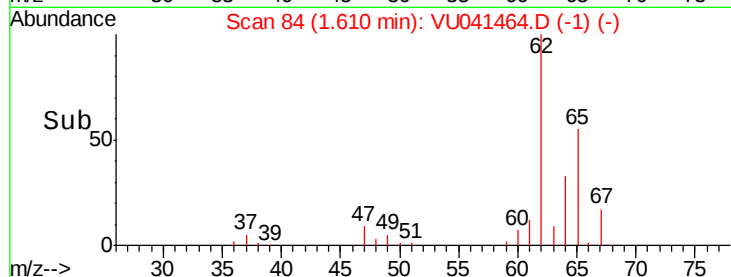
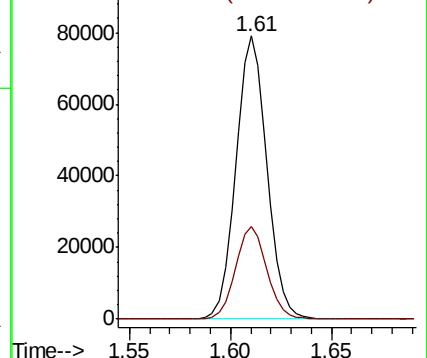
62 100

64 32.6 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 20.046 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU041464.D

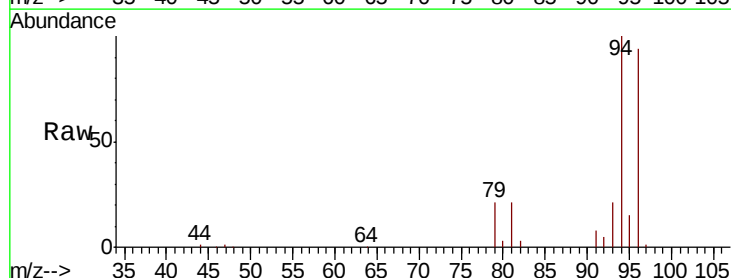
Acq: 04 Dec 2020 11:16

Tgt Ion: 94 Resp: 61311

Ion Ratio Lower Upper

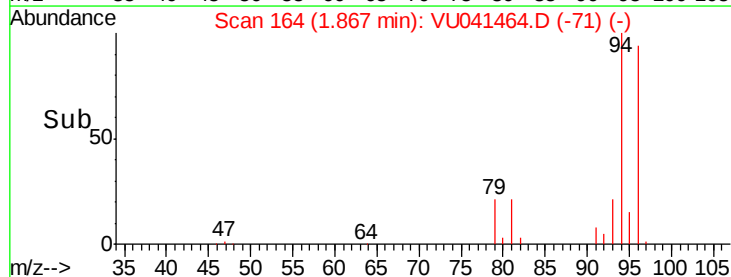
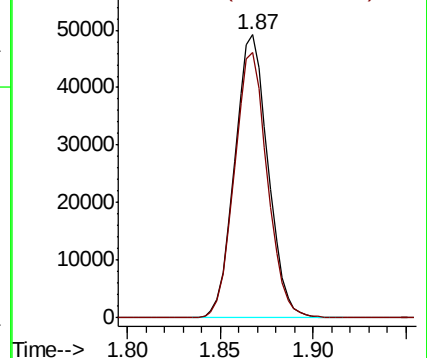
94 100

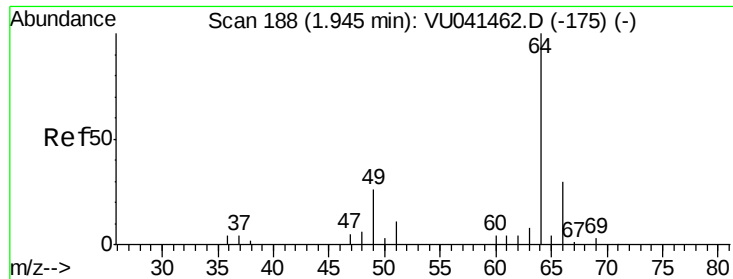
96 93.6 68.5 127.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

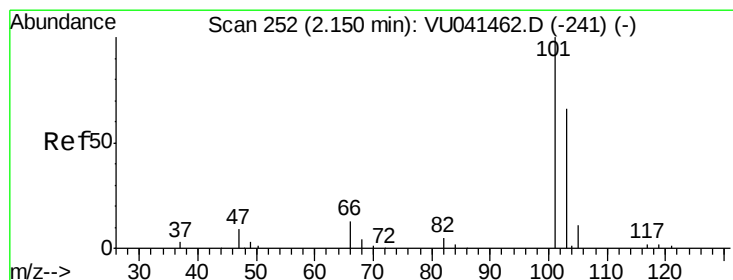
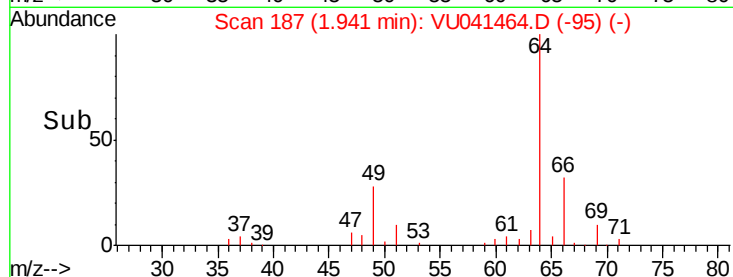
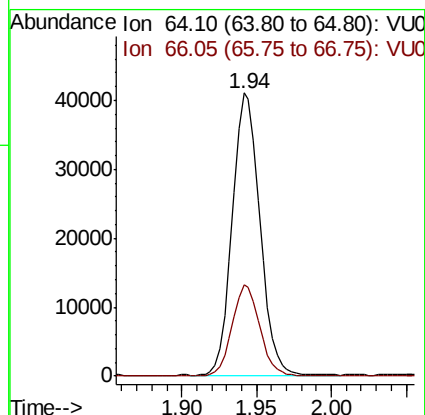
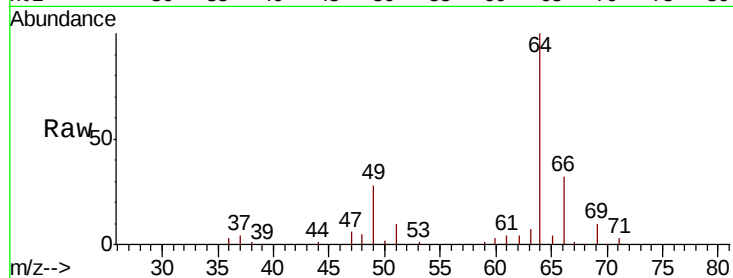




#8
Chloroethane
Concen: 17.395 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU041464.D
Acq: 04 Dec 2020 11:16

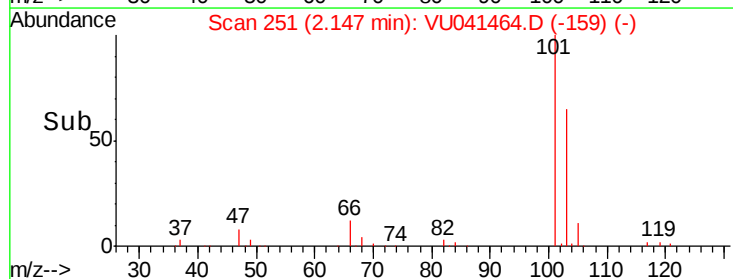
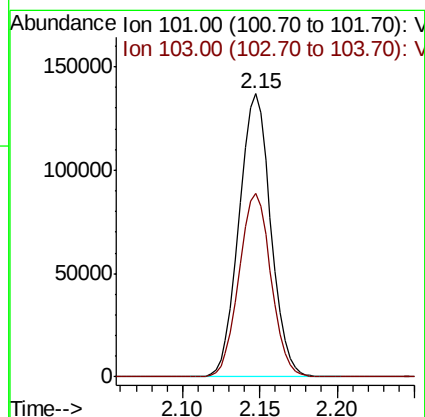
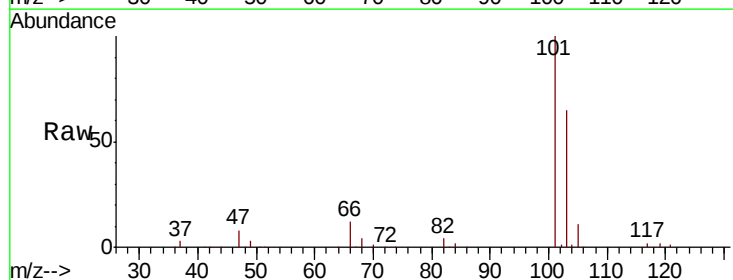
Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

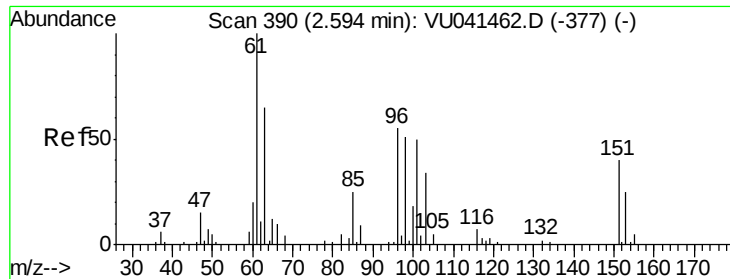
Tot Ion: 64 Resp: 52419
Ion Ratio Lower Upper
64 100
66 32.1 20.9 38.9



#9
Trichlorofluoromethane
Concen: 19.671 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU041464.D
Acq: 04 Dec 2020 11:16

Tgt Ion:101 Resp: 195034
Ion Ratio Lower Upper
101 100
103 65.4 51.4 77.0





#10

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

Concen: 20.194 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041464.D

Acq: 04 Dec 2020 11:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

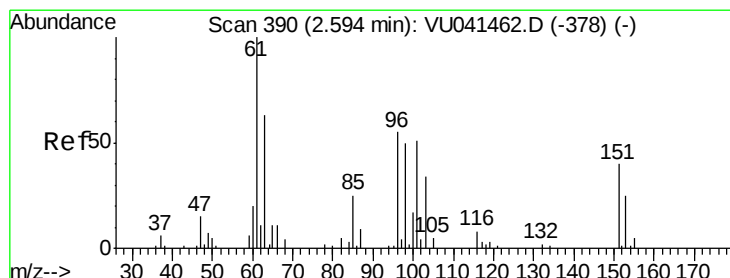
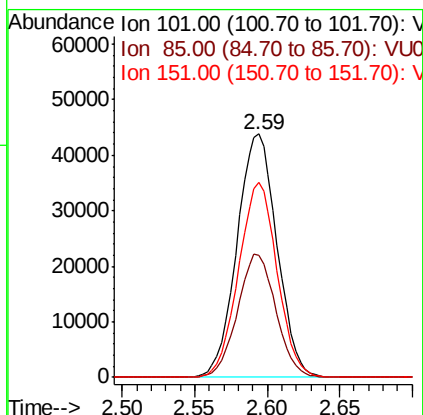
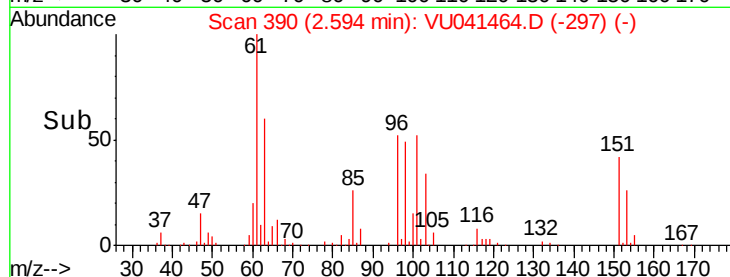
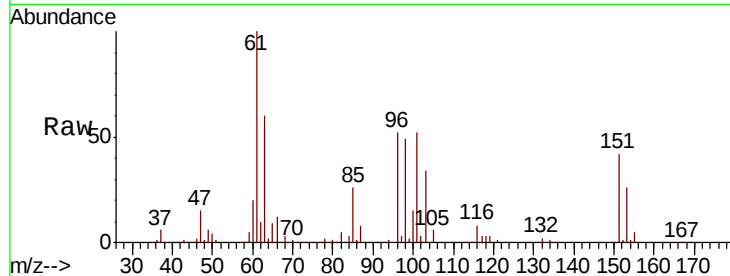
Tot Ion:101 Resp: 83795

Ion Ratio Lower Upper

101 100

85 48.5 39.4 59.2

151 77.4 63.8 95.8



#12

1,1-Dichloroethene

Concen: 19.945 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041464.D

Acq: 04 Dec 2020 11:16

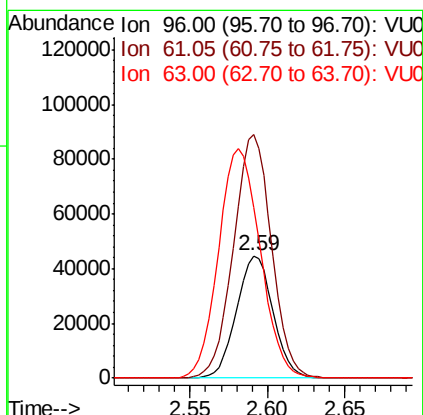
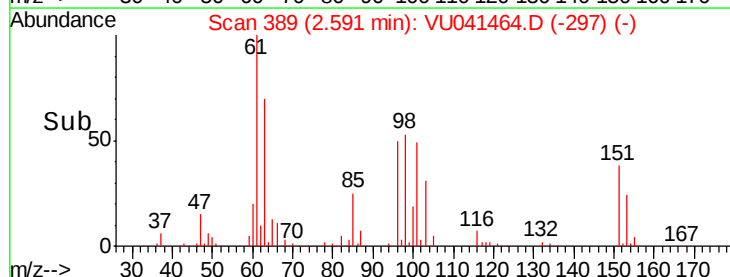
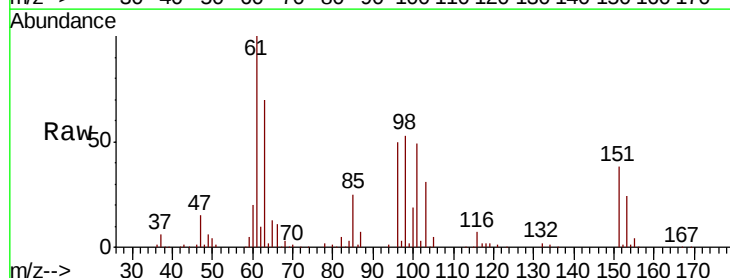
Tgt Ion: 96 Resp: 73079

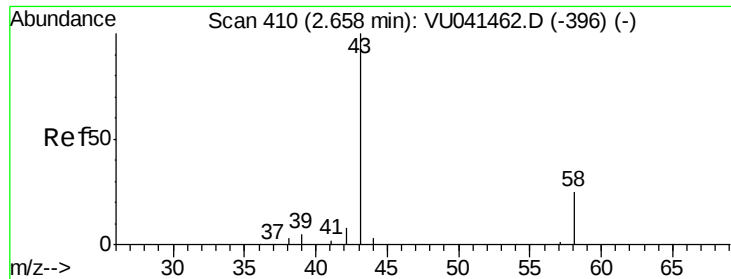
Ion Ratio Lower Upper

96 100

61 199.5 127.8 237.4

63 140.3 86.2 160.0





#13

Acetone

Concen: 208.335 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU041464.D

Acq: 04 Dec 2020 11:16

Instrument :

MSVOA_U

ClientSampleId :

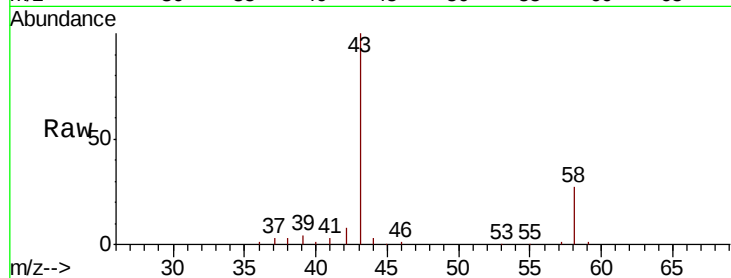
VSTD02004

Tot Ion: 43 Resp: 190020

Ion Ratio Lower Upper

43 100

58 27.2 0.0 50.0



Abundance Ion 43.05 (42.75 to 43.75): VU041464.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU041464.D (-396) (-)

2.66

60000

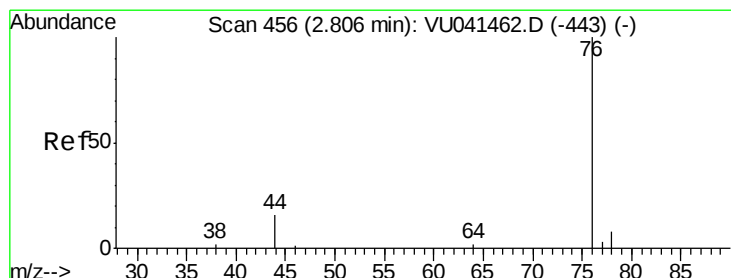
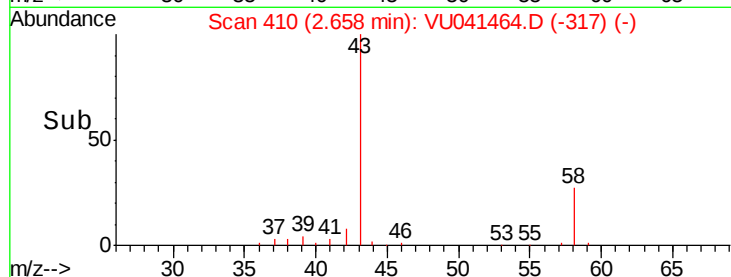
40000

20000

0

Time-->

2.50 2.60 2.70 2.80 2.90



#14

Carbon disulfide

Concen: 21.793 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041464.D

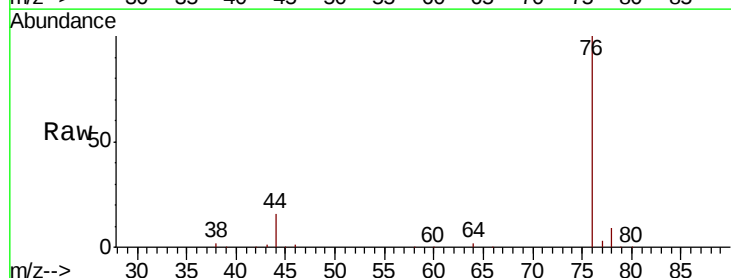
Acq: 04 Dec 2020 11:16

Tgt Ion: 76 Resp: 225692

Ion Ratio Lower Upper

76 100

78 9.4 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU041464.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU041464.D (-443) (-)

2.81

150000

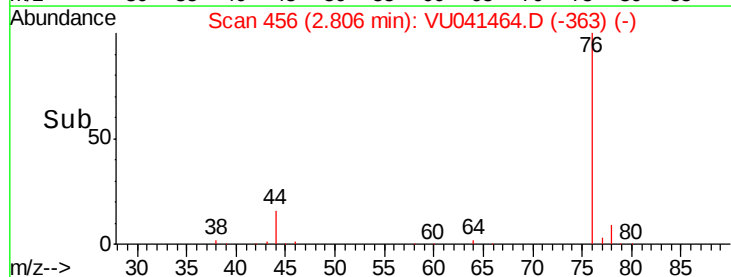
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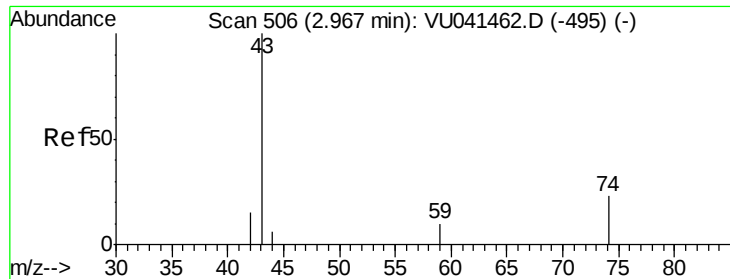
50000

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Time-->

2.70 2.75 2.80 2.85 2.90





#15

Methyl Acetate

Concen: 19.291 ug/L

RT: 2.97 min Scan# 506

Delta R.T. -0.00 min

Lab File: VU041464.D

Acq: 04 Dec 2020 11:16

Instrument :

MSVOA_U

ClientSampleId :

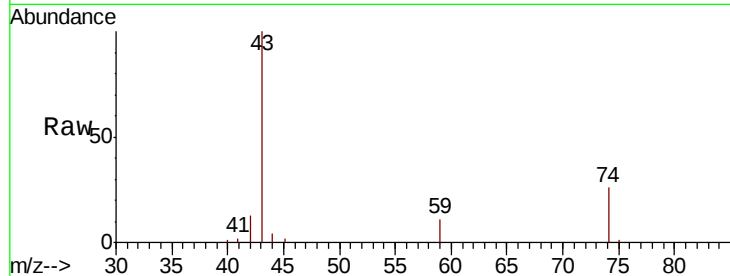
VSTD02004

Tot Ion: 43 Resp: 36441

Ion Ratio Lower Upper

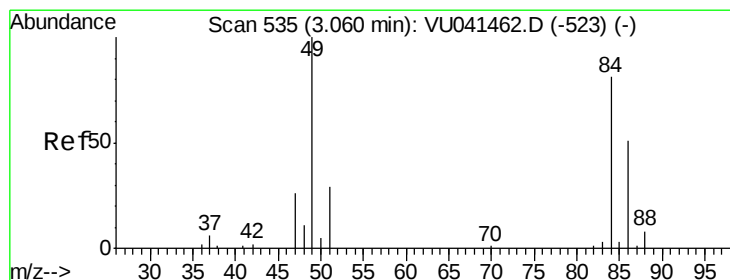
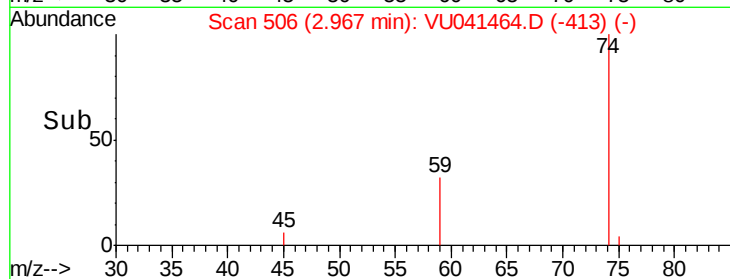
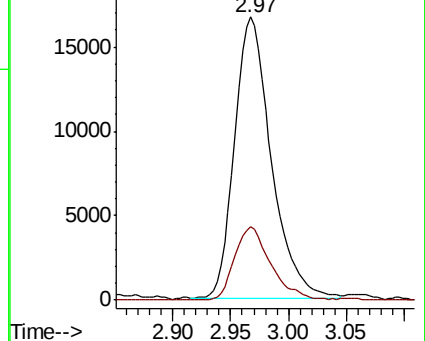
43 100

74 25.8 19.7 29.5



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 15.213 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU041464.D

Acq: 04 Dec 2020 11:16

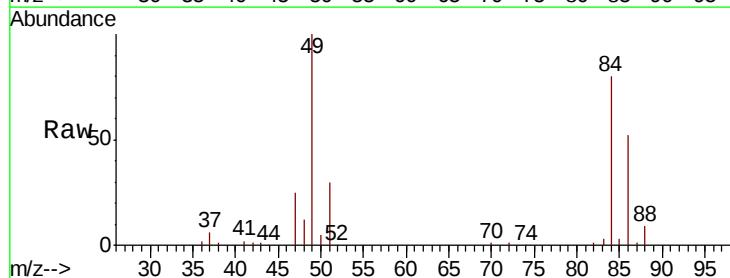
Tgt Ion: 84 Resp: 80209

Ion Ratio Lower Upper

84 100

86 64.9 44.1 81.9

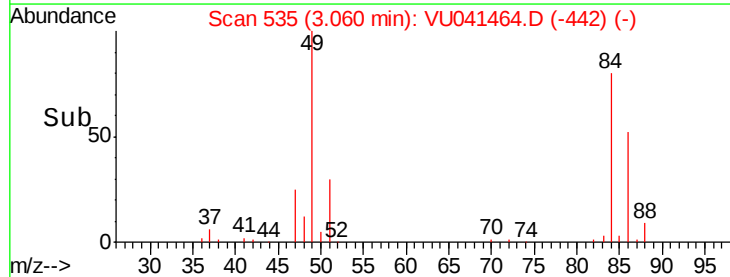
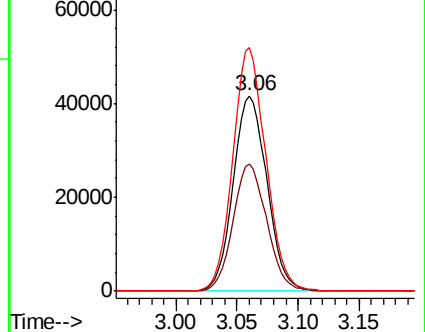
49 124.5 86.1 159.9

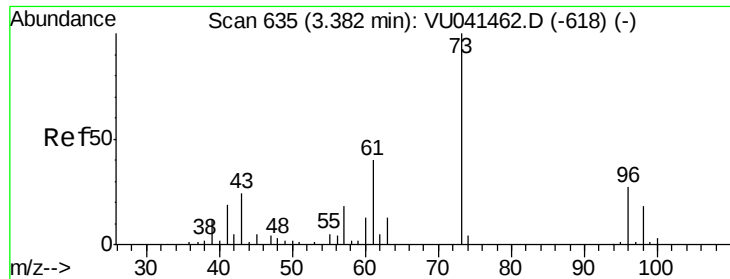


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

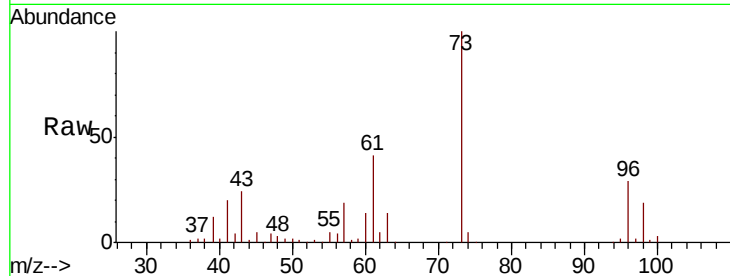




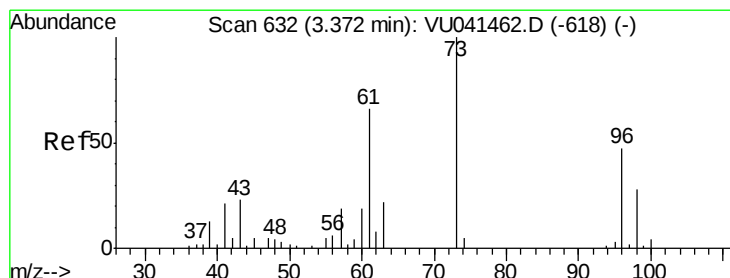
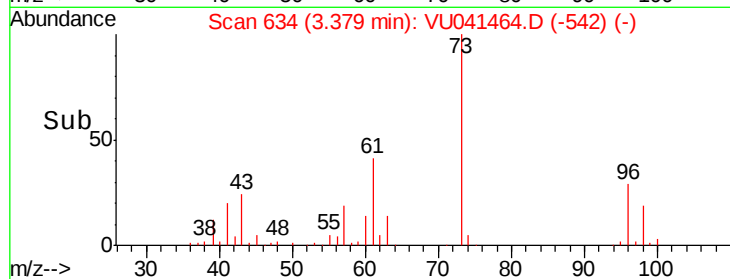
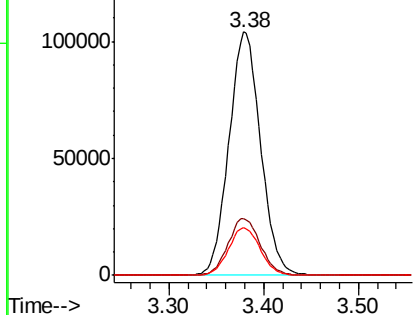
#17
Methvl tert-butvl Ether
Concen: 20.902 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041464.D
Acq: 04 Dec 2020 11:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

Tot Ion: 73 Resp: 241511
Ion Ratio Lower Upper
73 100
43 23.9 19.1 28.7
57 19.8 15.5 23.3

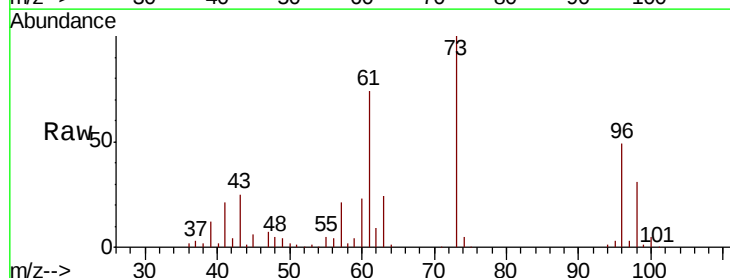


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

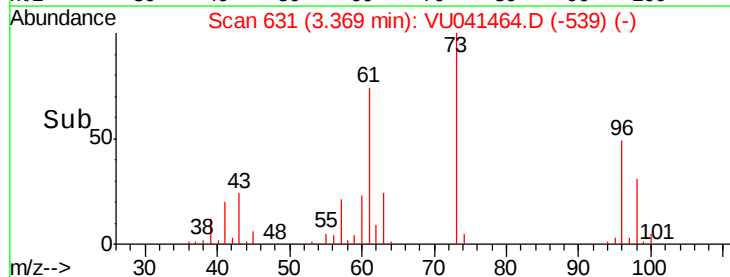
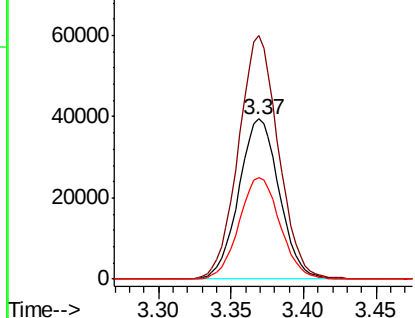


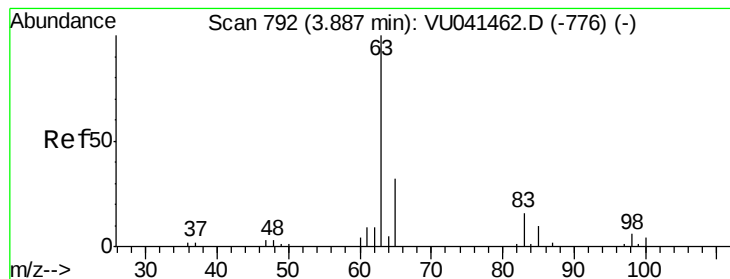
#18
trans-1,2-Dichloroethene
Concen: 20.068 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU041464.D
Acq: 04 Dec 2020 11:16

Tgt Ion: 96 Resp: 76705
Ion Ratio Lower Upper
96 100
61 151.8 98.8 183.4
98 63.6 41.7 77.5



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 19.541 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU041464.D

Acq: 04 Dec 2020 11:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

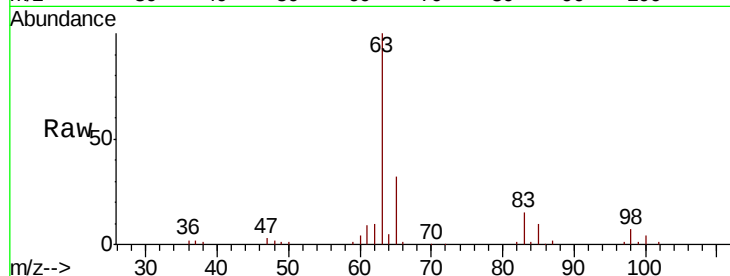
Tot Ion: 63 Resp: 143269

Ion Ratio Lower Upper

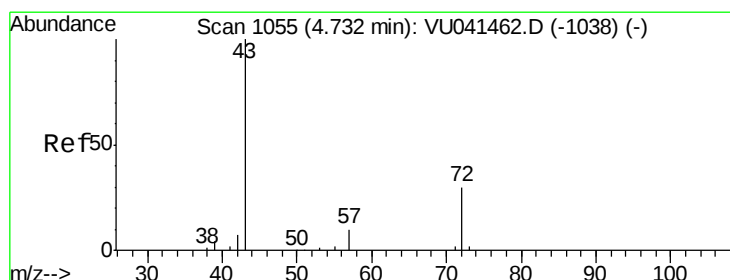
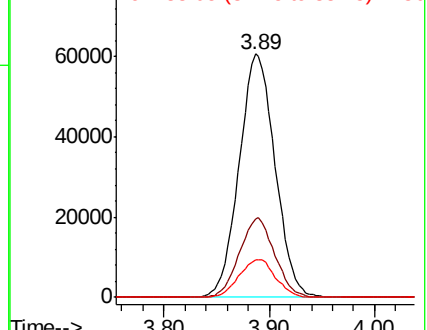
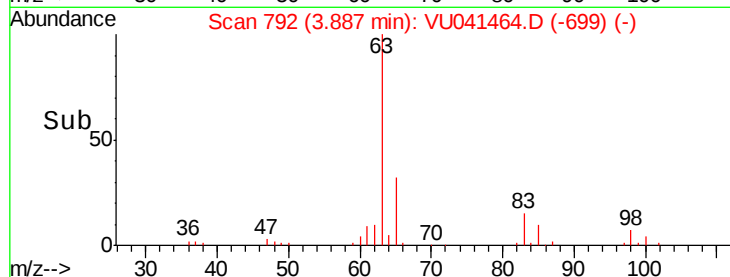
63 100

65 32.1 22.3 41.5

83 15.2 11.1 20.7



Abundance Ion 63.10 (62.80 to 63.80): VU041464.D (-699) (-)



#21

2-Butanone

Concen: 220.619 ug/L

RT: 4.73 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VU041464.D

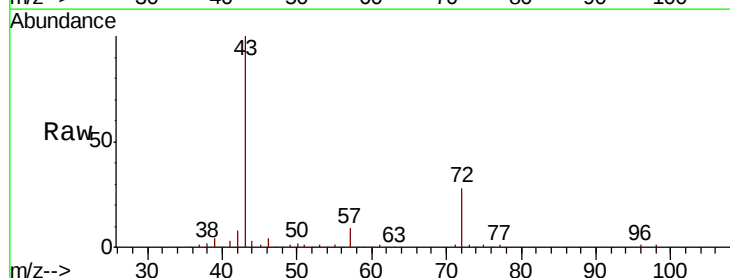
Acq: 04 Dec 2020 11:16

Tgt Ion: 43 Resp: 264537

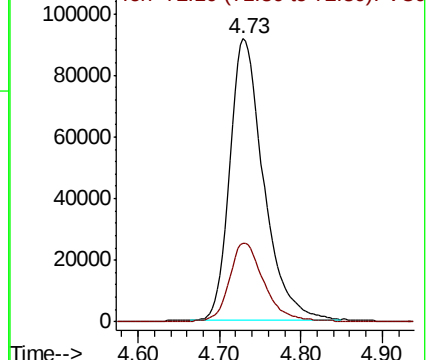
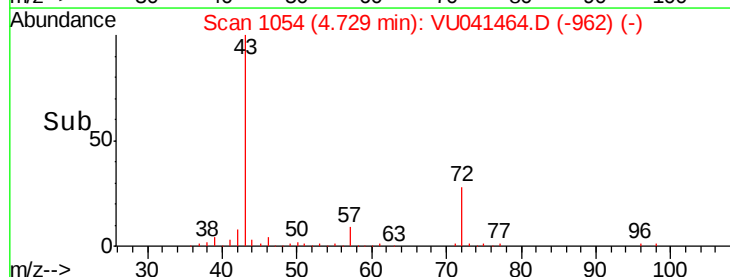
Ion Ratio Lower Upper

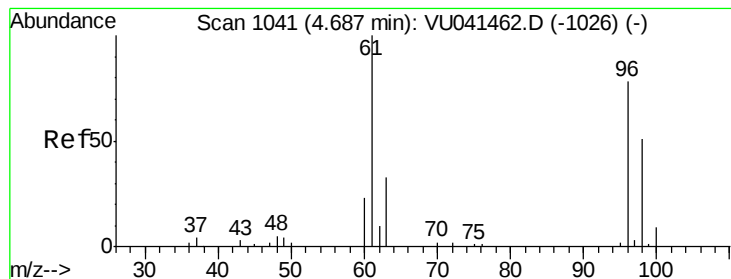
43 100

72 29.1 15.7 47.1



Abundance Ion 43.05 (42.75 to 43.75): VU041464.D (-962) (-)





#22

cis-1,2-Dichloroethene

Concen: 20.675 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU041464.D

Acq: 04 Dec 2020 11:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

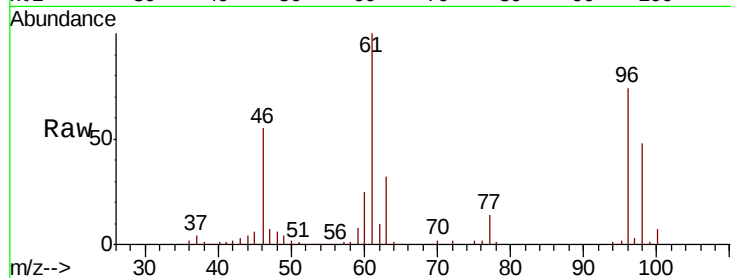
Tot Ion: 96 Resp: 86973

Ion Ratio Lower Upper

96 100

61 135.9 90.5 168.1

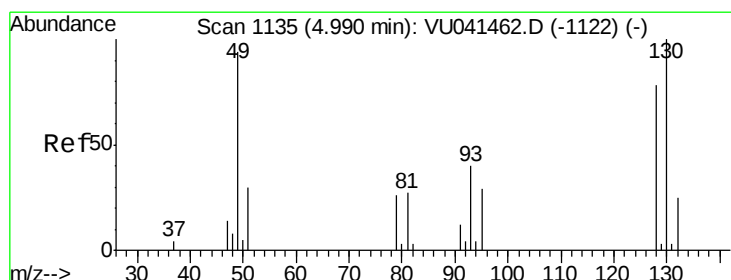
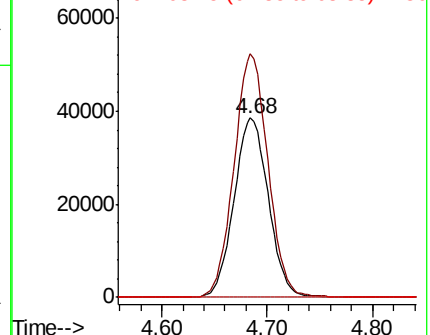
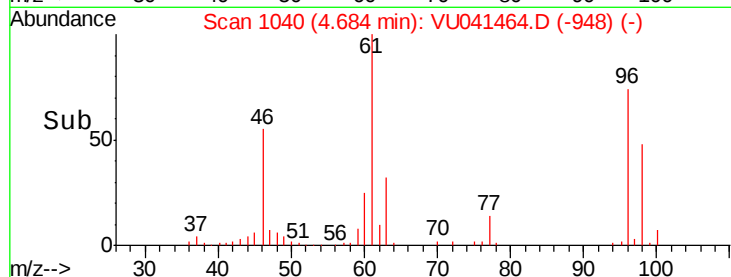
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 20.548 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU041464.D

Acq: 04 Dec 2020 11:16

Tgt Ion:128 Resp: 44265

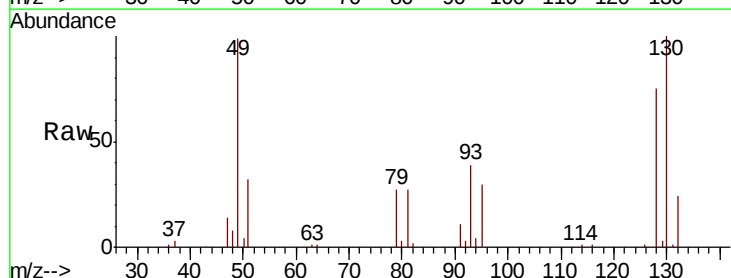
Ion Ratio Lower Upper

128 100

49 131.8 84.2 156.4

130 132.6 89.9 167.0

51 42.7 30.4 45.6

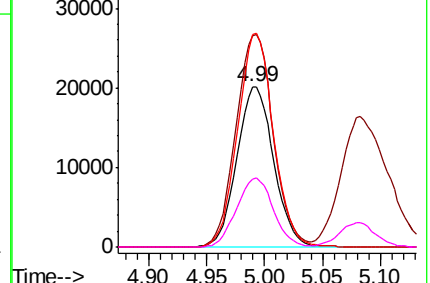
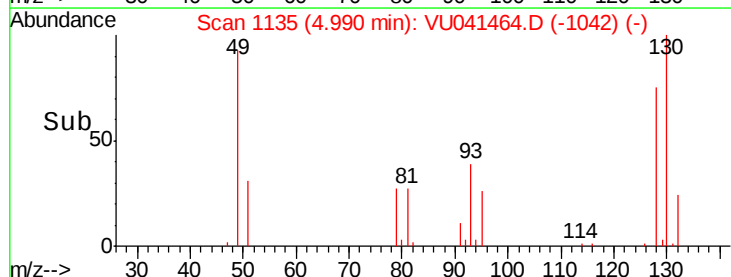


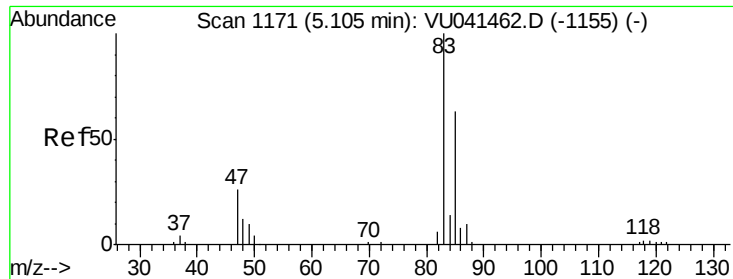
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

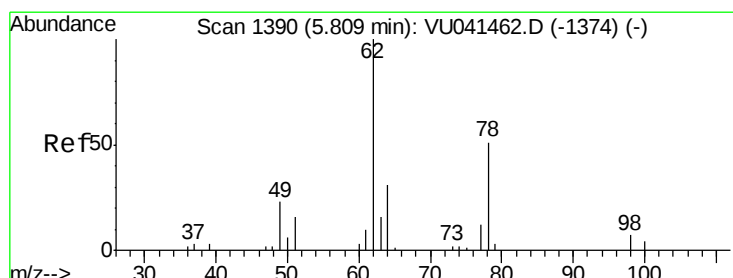
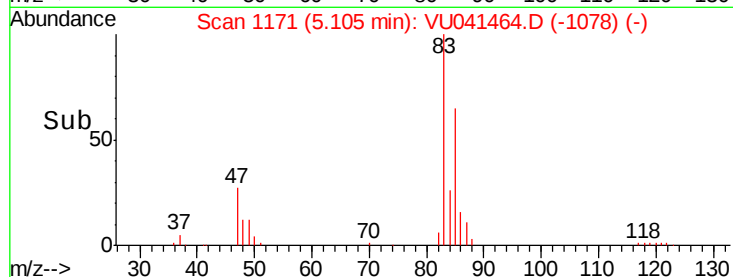
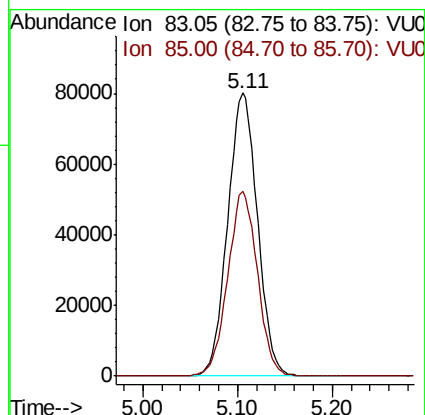
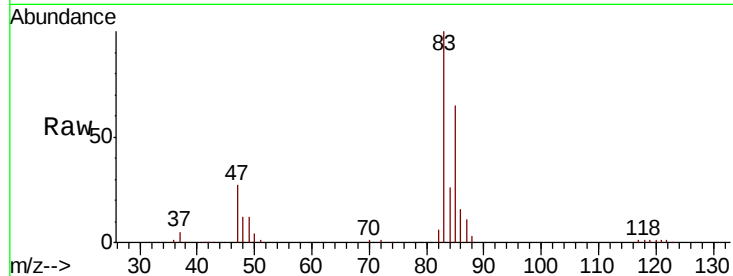




#25
Chloroform
Concen: 19.254 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041464.D
Acq: 04 Dec 2020 11:16

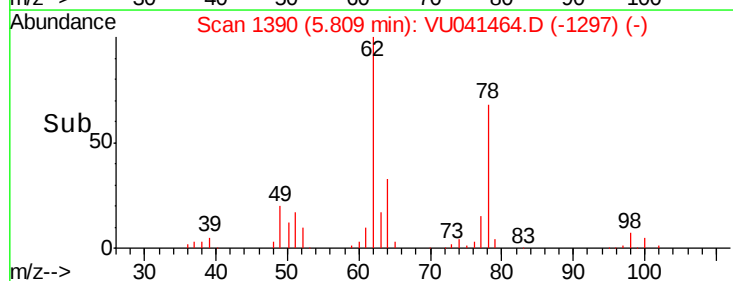
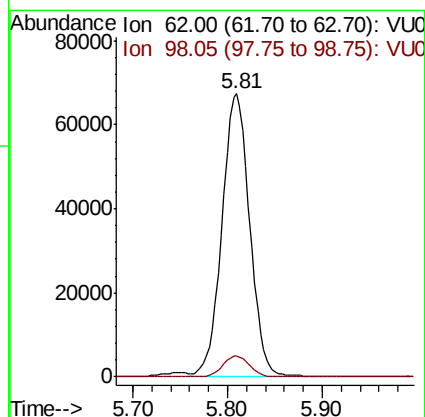
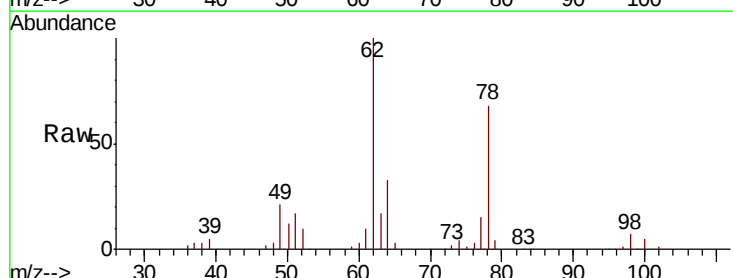
Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

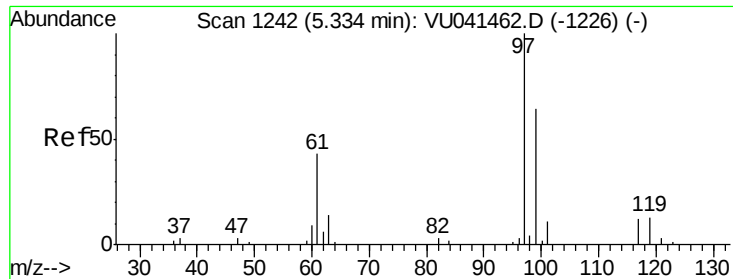
Tot Ion: 83 Resp: 175254
Ion Ratio Lower Upper
83 100
85 65.3 44.7 82.9



#27
1,2-Dichloroethane
Concen: 19.480 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU041464.D
Acq: 04 Dec 2020 11:16

Tgt Ion: 62 Resp: 137413
Ion Ratio Lower Upper
62 100
98 7.4 5.7 8.5

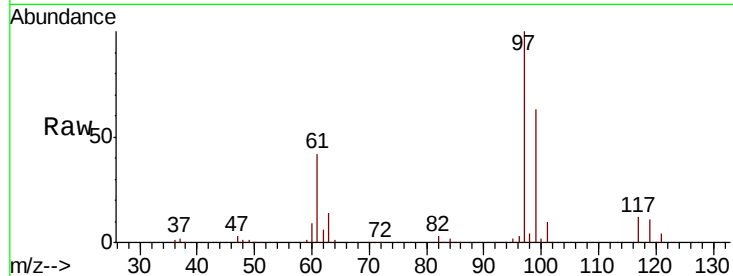




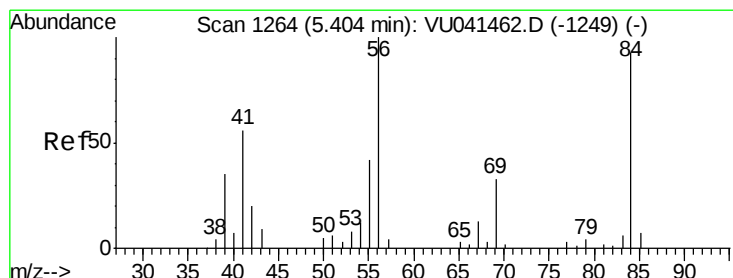
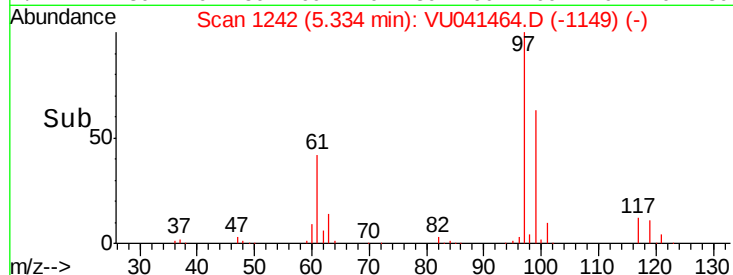
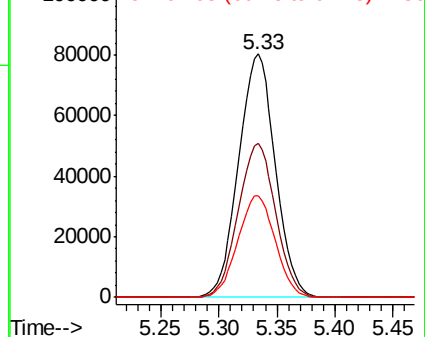
#29
1,1,1-Trichloroethane
Concen: 20.359 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VU041464.D
Acq: 04 Dec 2020 11:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

Tot Ion: 97 Resp: 176913
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.6
61 42.6 34.6 52.0

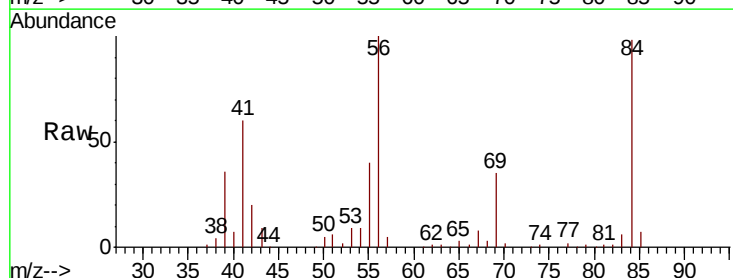


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

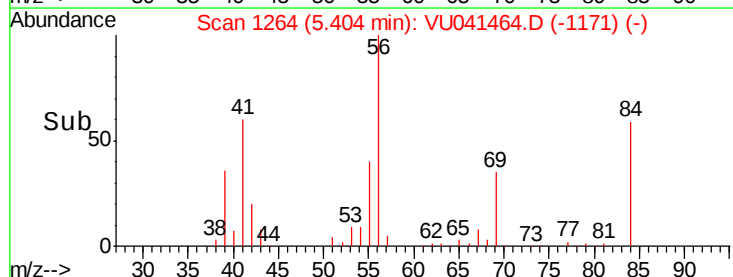
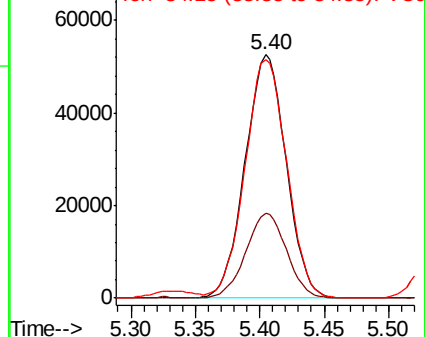


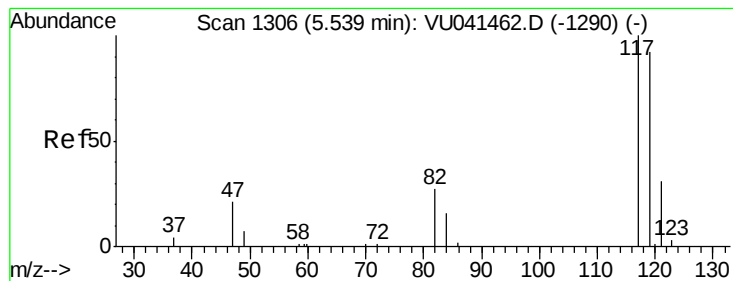
#30
Cyclohexane
Concen: 22.211 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU041464.D
Acq: 04 Dec 2020 11:16

Tgt Ion: 56 Resp: 116584
Ion Ratio Lower Upper
56 100
69 34.7 25.9 38.9
84 99.9 74.9 112.3



Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 21.272 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU041464.D

Acq: 04 Dec 2020 11:16

Instrument :

MSVOA_U

ClientSampleId :

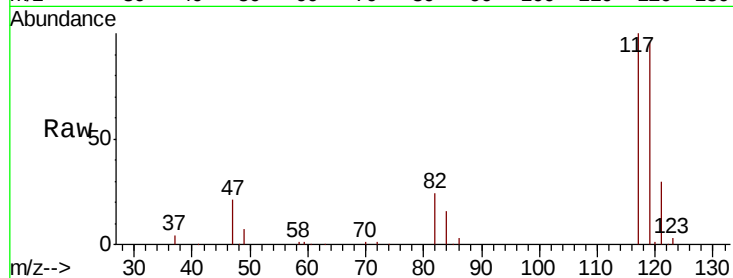
VSTD02004

Tot Ion:117 Resp: 166621

Ion Ratio Lower Upper

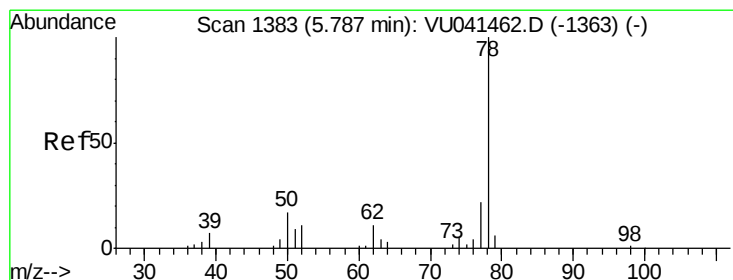
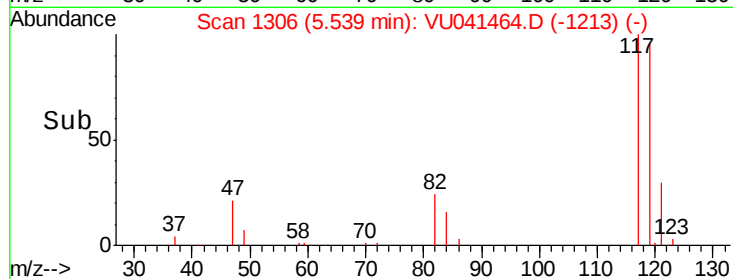
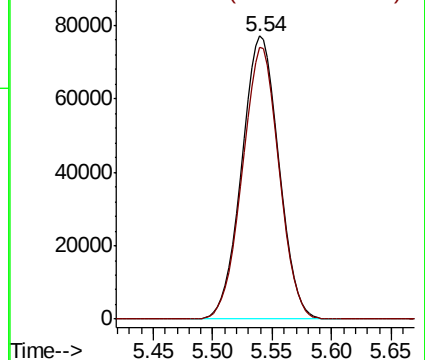
117 100

119 95.0 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 20.247 ug/L

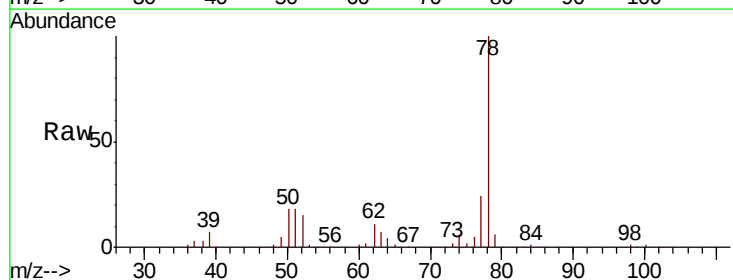
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

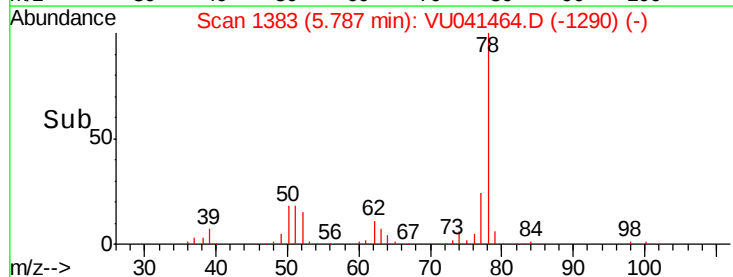
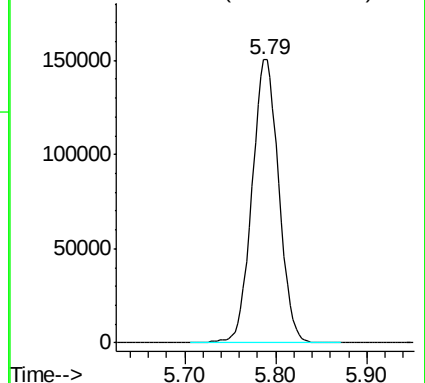
Lab File: VU041464.D

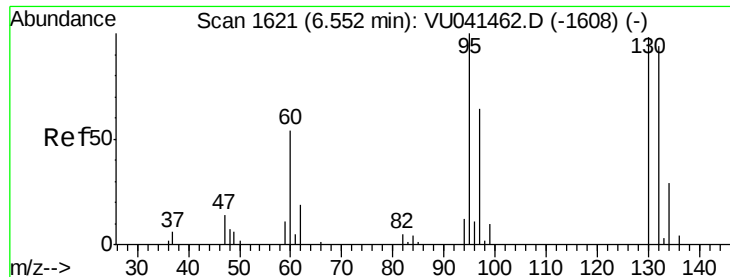
Acq: 04 Dec 2020 11:16

Tgt Ion: 78 Resp: 306820



Abundance Ion 78.10 (77.80 to 78.80): VU0

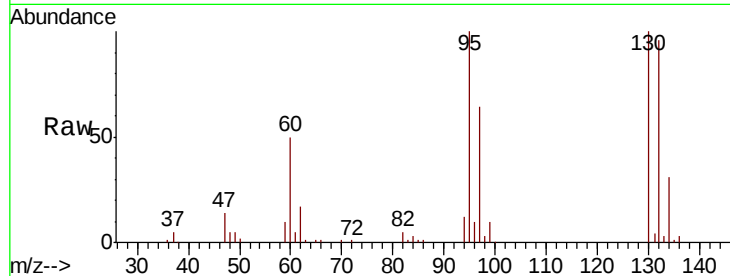




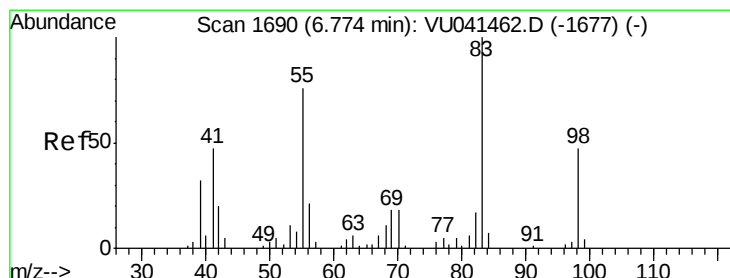
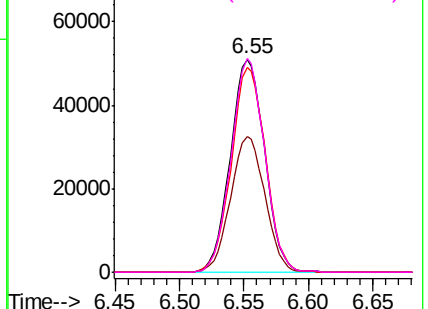
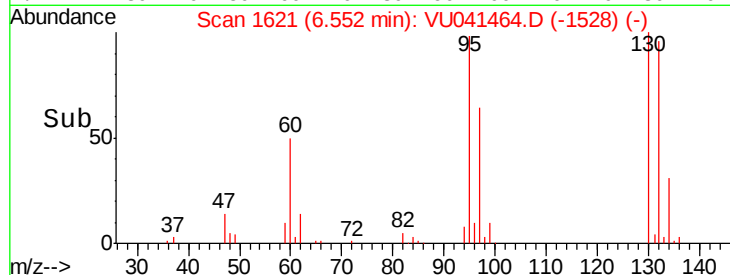
#34
 Trichloroethene
 Concen: 21.056 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041464.D
 Acq: 04 Dec 2020 11:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02004

Tot Ion: 95 Resp: 94247
 Ion Ratio Lower Upper
 95 100
 97 63.9 44.7 83.1
 132 96.5 65.7 121.9
 130 100.4 68.8 127.8

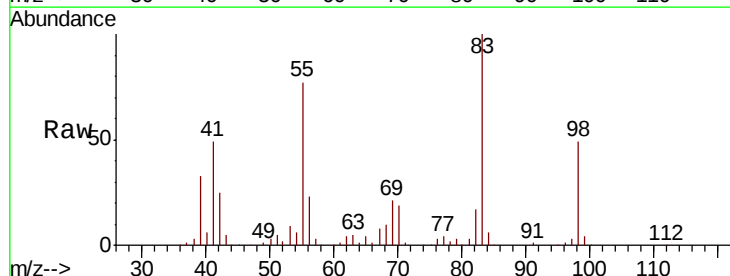


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

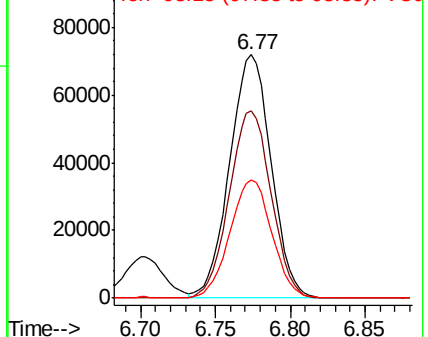
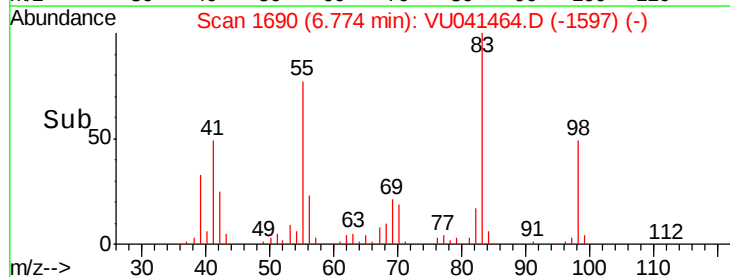


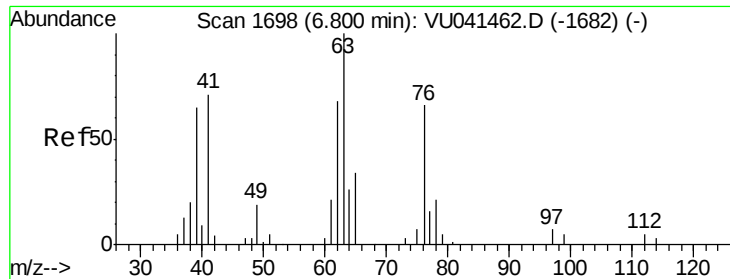
#35
 Methylcyclohexane
 Concen: 23.437 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU041464.D
 Acq: 04 Dec 2020 11:16

Tgt Ion: 83 Resp: 138597
 Ion Ratio Lower Upper
 83 100
 55 77.7 62.1 93.1
 98 49.4 38.7 58.1



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: 19.522 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU041464.D

Acq: 04 Dec 2020 11:16

Instrument :

MSVOA_U

ClientSampleId :

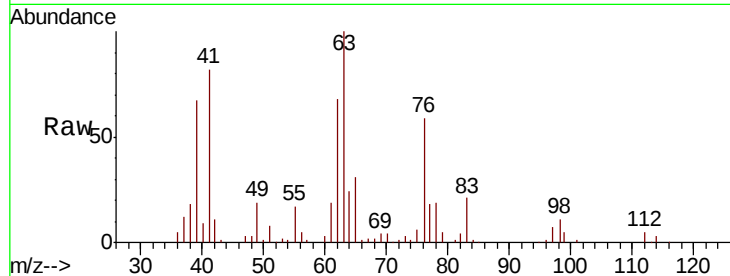
VSTD02004

Tot Ion: 63 Resp: 74032

Ion Ratio Lower Upper

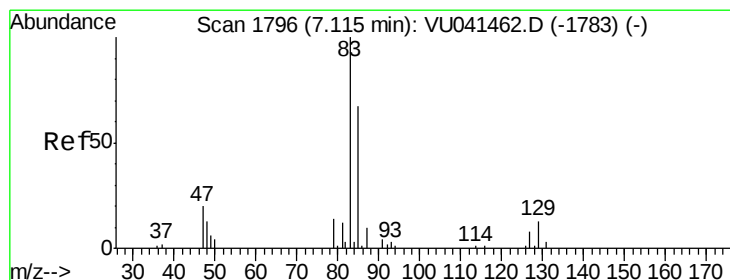
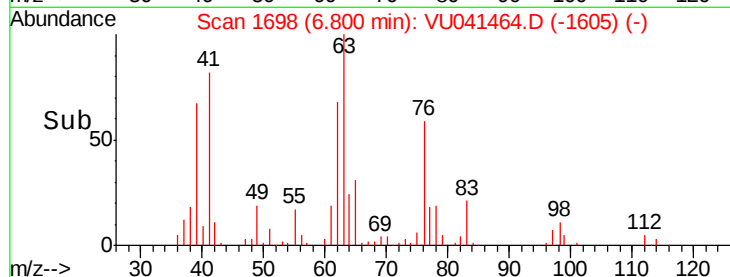
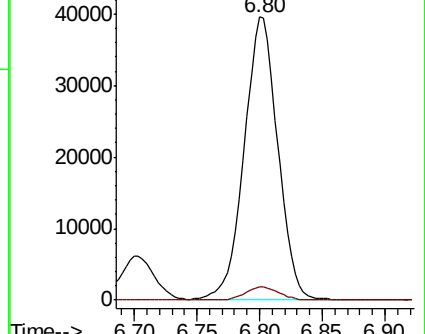
63 100

112 4.6 4.2 6.2



Abundance Ion 63.10 (62.80 to 63.80): VU041464.D (-1682) (-)

Ion 112.10 (111.80 to 112.80): VU041464.D (-1682) (-)



#38

Bromodichloromethane

Concen: 20.737 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU041464.D

Acq: 04 Dec 2020 11:16

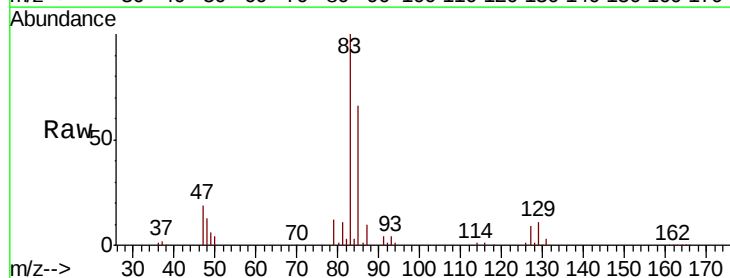
Tgt Ion: 83 Resp: 135113

Ion Ratio Lower Upper

83 100

85 65.7 46.7 86.7

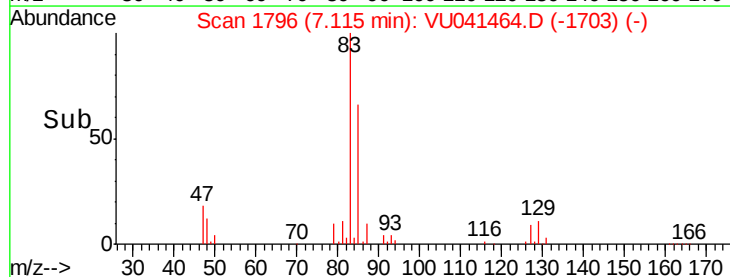
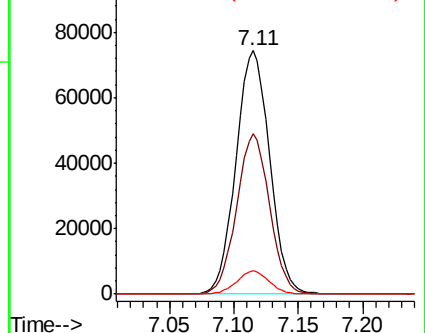
127 9.4 6.6 10.0

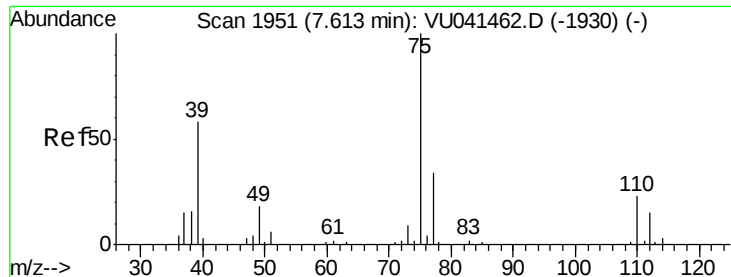


Abundance Ion 82.95 (82.65 to 83.65): VU041464.D (-1783) (-)

Ion 85.00 (84.70 to 85.70): VU041464.D (-1783) (-)

Ion 126.90 (126.60 to 127.60): VU041464.D (-1783) (-)



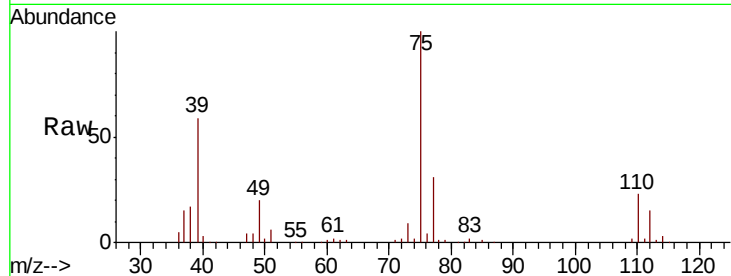


#39

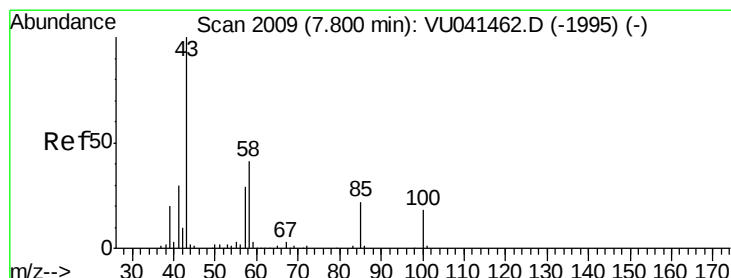
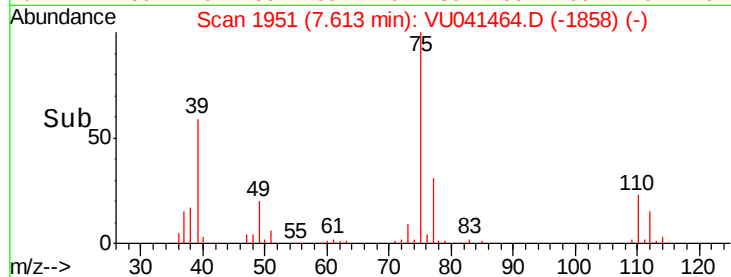
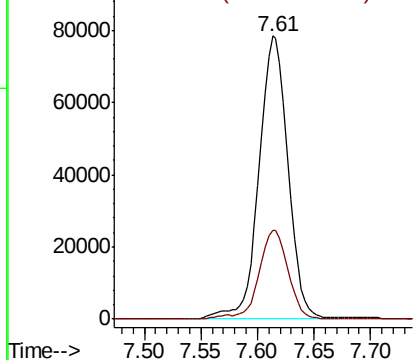
cis-1,3-Dichloropropene
 Concen: 22.579 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041464.D
 Acq: 04 Dec 2020 11:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02004

Tot Ion: 75 Resp: 139933
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.0 44.6



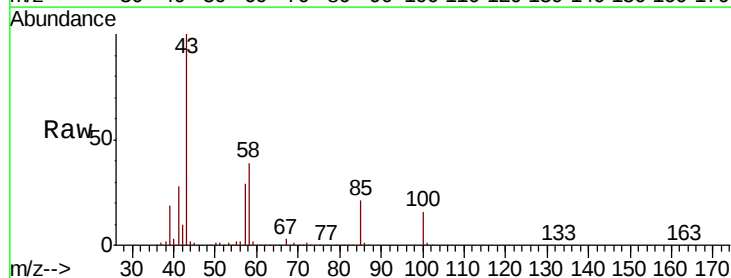
Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0



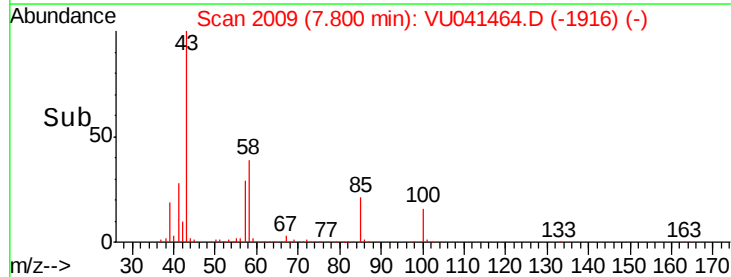
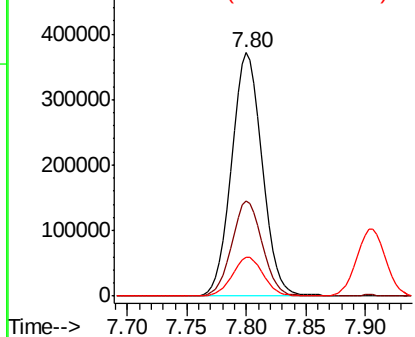
#40

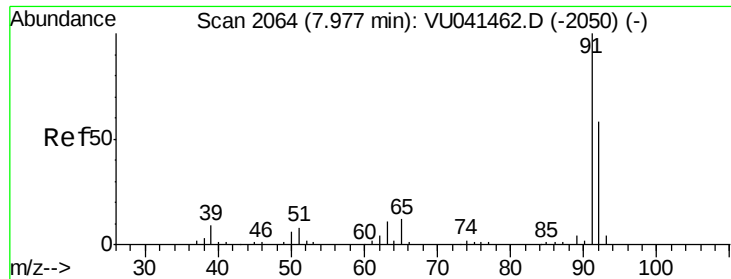
4-Methyl-2-pentanone
 Concen: 238.682 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU041464.D
 Acq: 04 Dec 2020 11:16

Tgt Ion: 43 Resp: 663891
 Ion Ratio Lower Upper
 43 100
 58 39.0 32.0 48.0
 100 16.3 14.2 21.2



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: 21.641 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU041464.D

Acq: 04 Dec 2020 11:16

Instrument :

MSVOA_U

ClientSampleId :

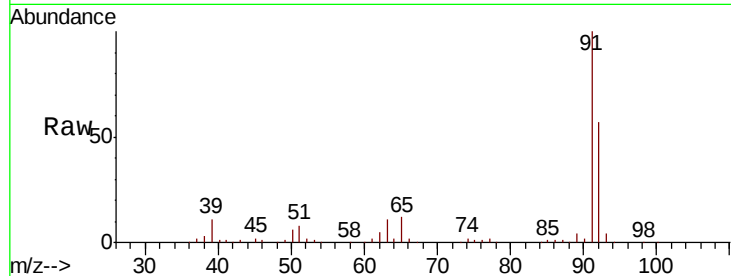
VSTD02004

Tot Ion: 91 Resp: 359981

Ion Ratio Lower Upper

91 100

92 57.5 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VU041464.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU041464.D (-2050) (-)

7.98

250000

200000

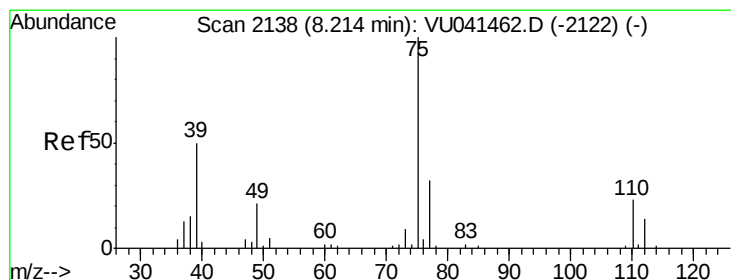
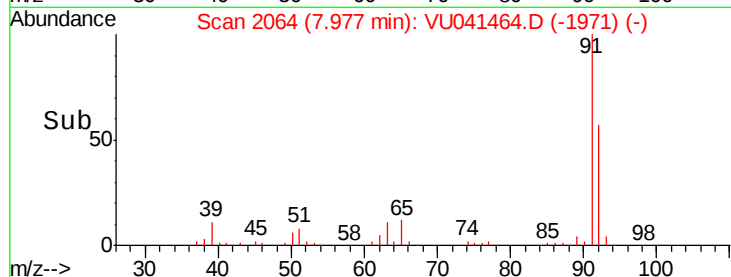
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 21.836 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041464.D

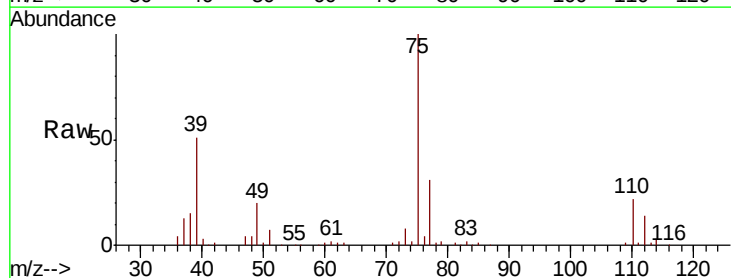
Acq: 04 Dec 2020 11:16

Tgt Ion: 75 Resp: 141226

Ion Ratio Lower Upper

75 100

77 31.3 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU041464.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU041464.D (-2122) (-)

8.21

100000

80000

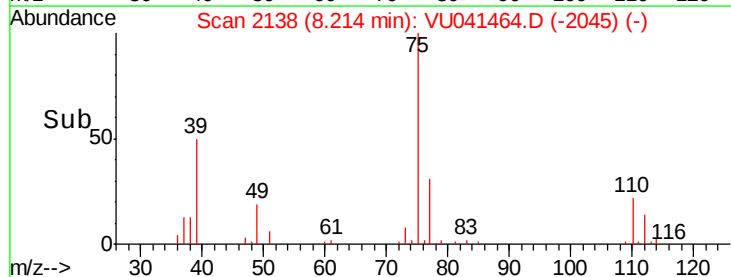
60000

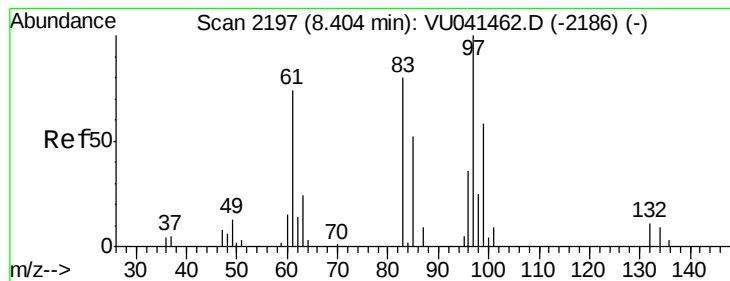
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 20.524 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU041464.D

Acq: 04 Dec 2020 11:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

Tot Ion: 97 Resp: 67428

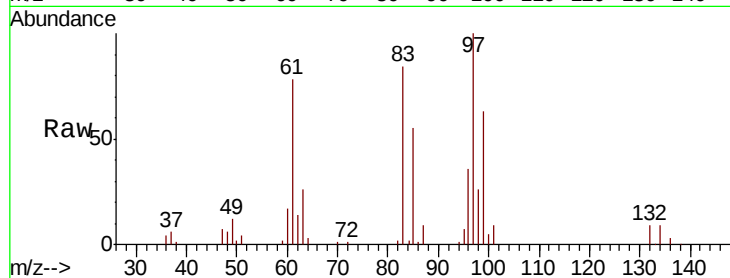
Ion Ratio Lower Upper

97 100

99 62.9 40.7 75.7

83 83.9 56.2 104.4

85 55.4 36.0 67.0

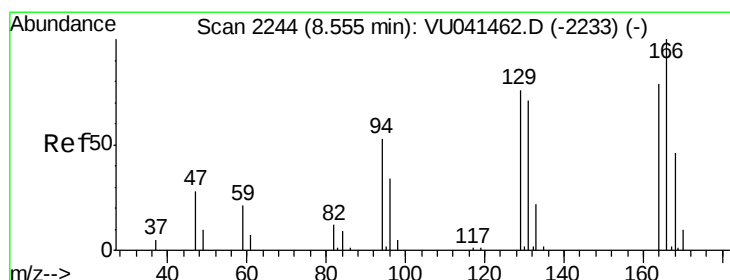
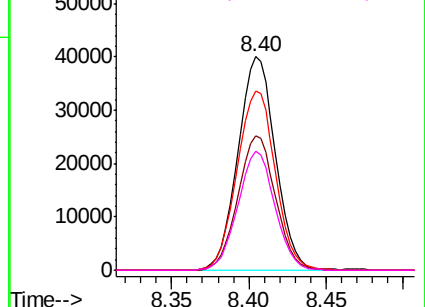
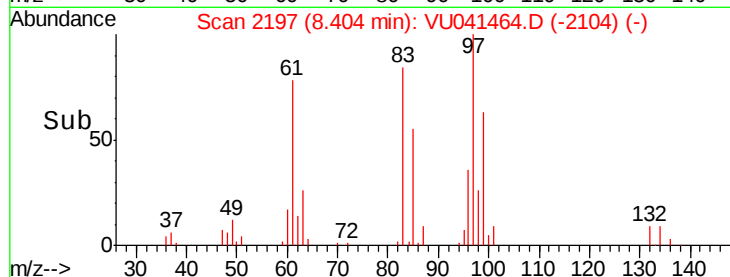


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 21.267 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041464.D

Acq: 04 Dec 2020 11:16

Tgt Ion: 164 Resp: 71850

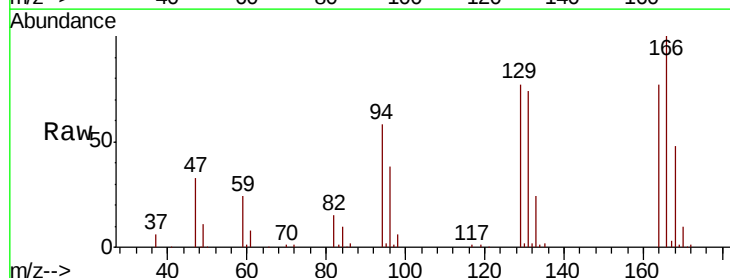
Ion Ratio Lower Upper

164 100

129 100.5 67.1 124.7

131 96.3 63.3 117.7

166 129.7 88.8 164.8

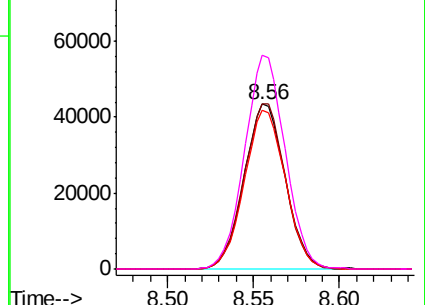
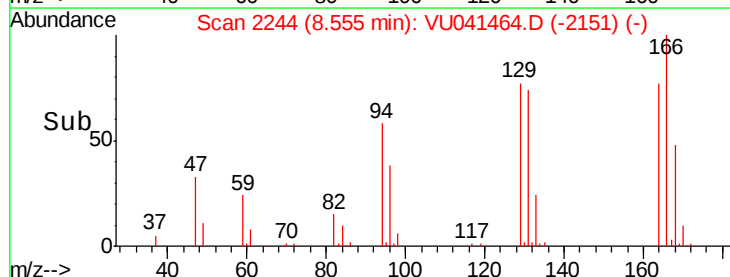


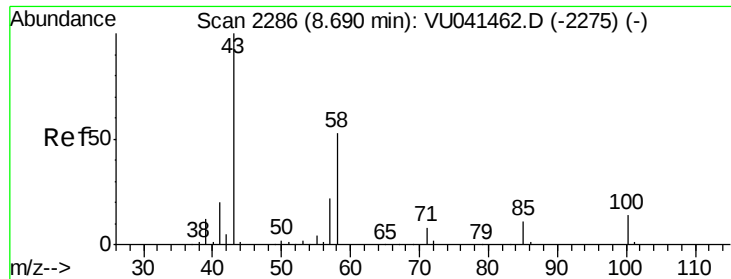
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

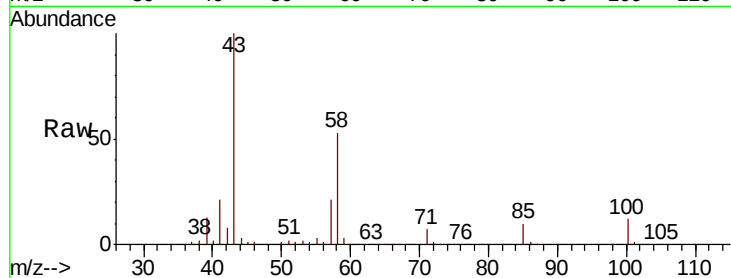




#48
2-Hexanone
Concen: 243.034 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU041464.D
Acq: 04 Dec 2020 11:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.9	41.4	62.0
57	21.3	17.1	25.7
100	12.6	10.6	16.0

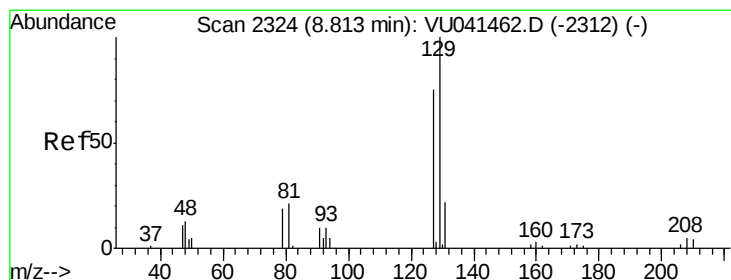
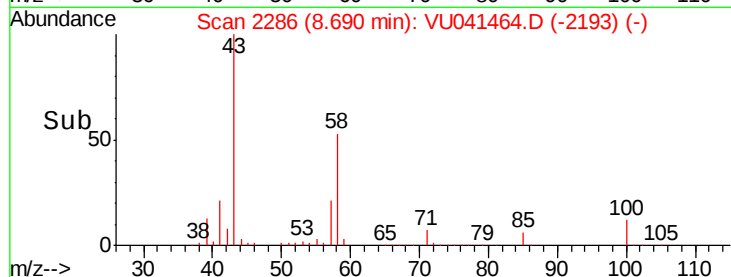
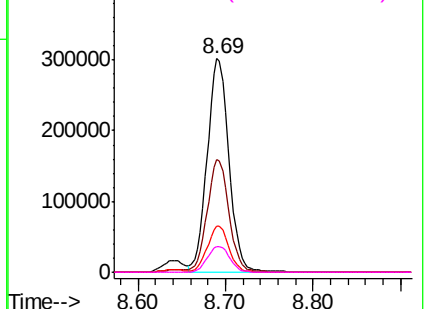


Abundance Ion 43.05 (42.75 to 43.75): VU041464.D (-2275) (-)

Ion 58.05 (57.75 to 58.75): VU041464.D (-2275) (-)

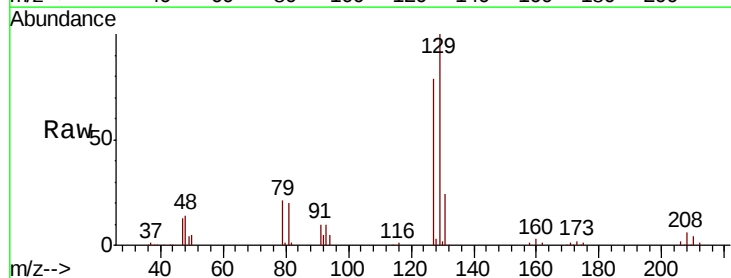
Ion 57.20 (56.90 to 57.90): VU041464.D (-2275) (-)

Ion 100.15 (99.85 to 100.85): VU041464.D (-2275) (-)



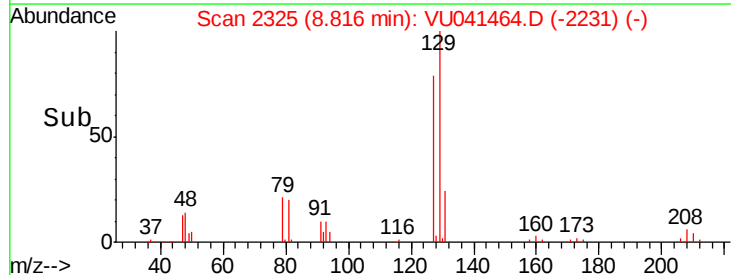
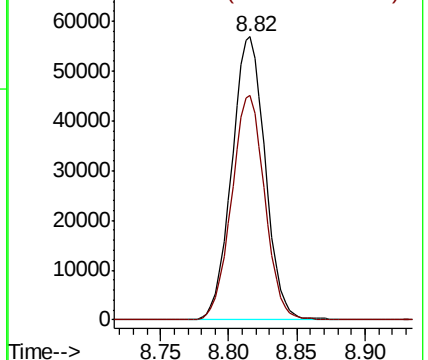
#49
Dibromochloromethane
Concen: 21.113 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU041464.D
Acq: 04 Dec 2020 11:16

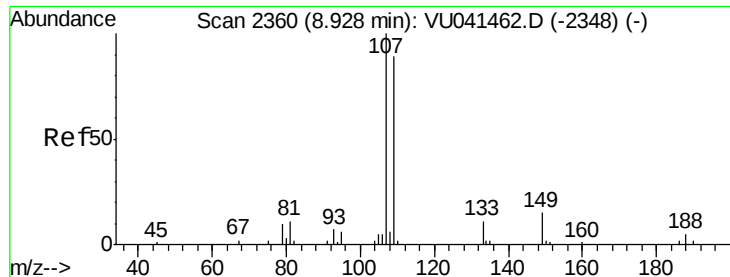
Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.1	52.4	97.2



Abundance Ion 128.95 (128.65 to 129.65): VU041464.D (-2312) (-)

Ion 126.90 (126.60 to 127.60): VU041464.D (-2312) (-)

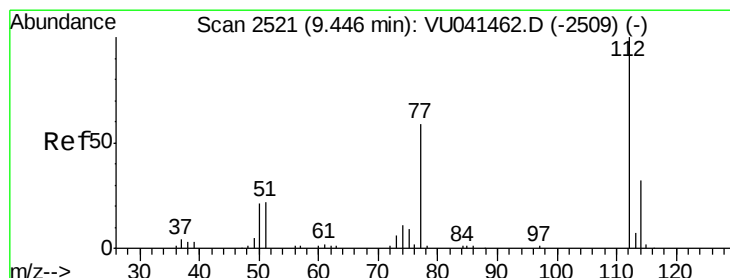
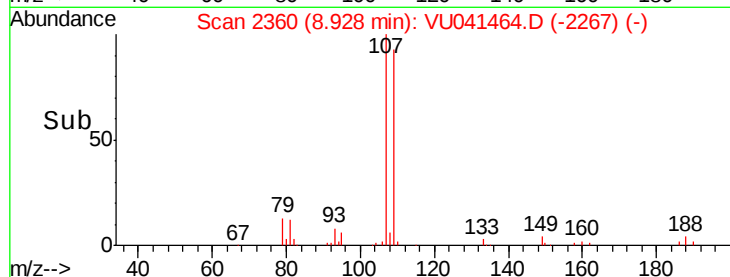
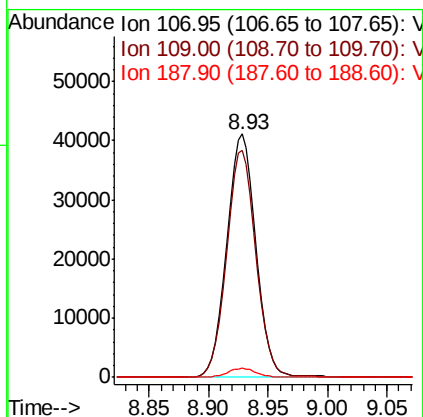
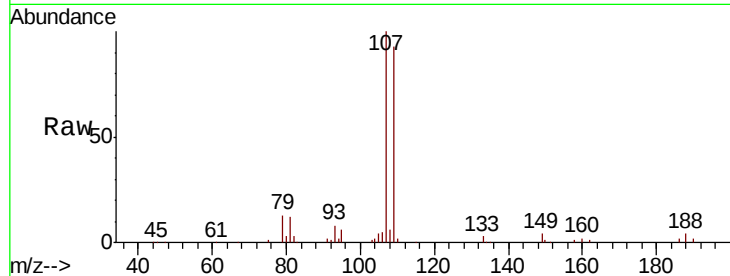




#50
1,2-Dibromoethane
Concen: 21.532 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU041464.D
Acq: 04 Dec 2020 11:16

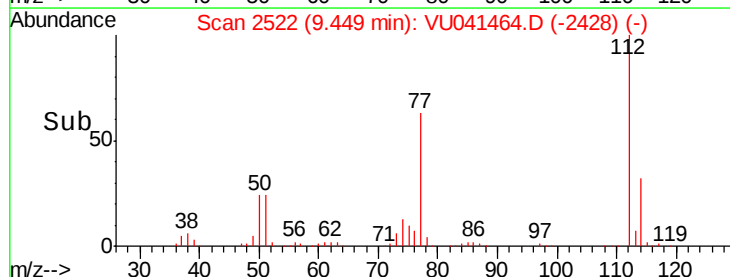
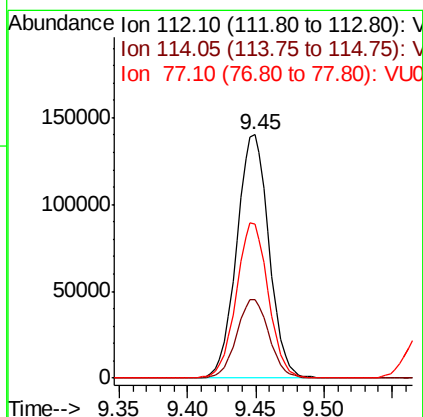
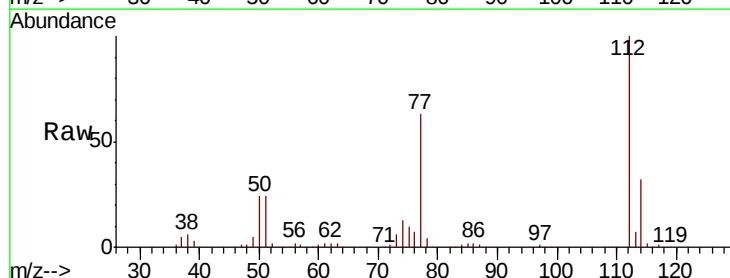
Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

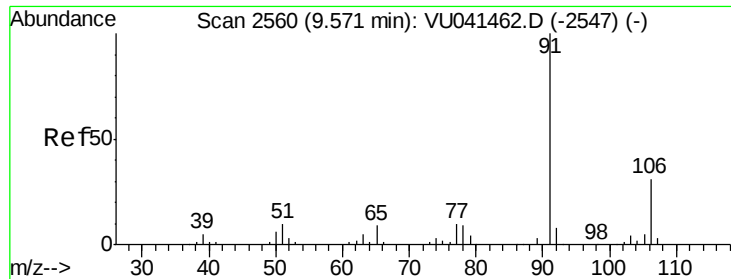
Tot Ion:107 Resp: 69711
Ion Ratio Lower Upper
107 100
109 93.5 62.3 115.7
188 3.6 4.2 6.4#



#51
Chlorobenzene
Concen: 20.334 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041464.D
Acq: 04 Dec 2020 11:16

Tgt Ion:112 Resp: 230193
Ion Ratio Lower Upper
112 100
114 32.4 22.7 42.1
77 63.2 48.2 72.2





#52

Ethylbenzene

Concen: 21.912 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041464.D

Acq: 04 Dec 2020 11:16

Instrument :

MSVOA_U

ClientSampleId :

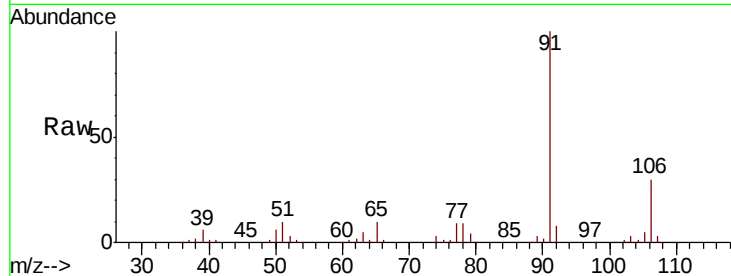
VSTD02004

Tot Ion: 91 Resp: 424667

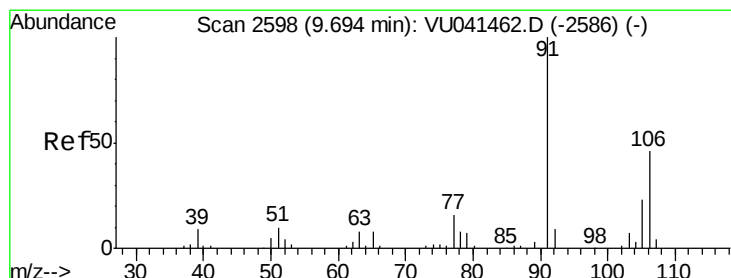
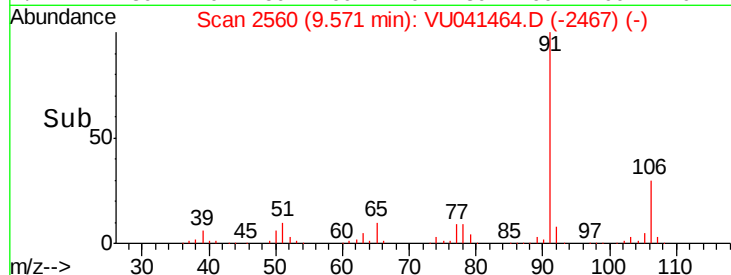
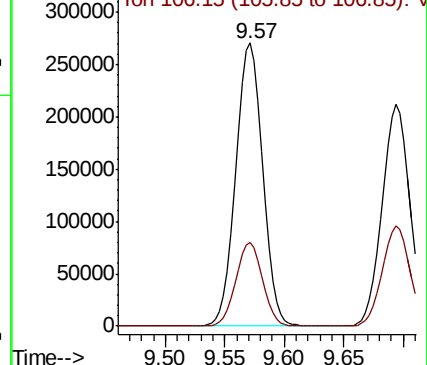
Ion Ratio Lower Upper

91 100

106 29.8 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU041464.D (-2547) (-)



#53

m,p-Xylene

Concen: 21.794 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041464.D

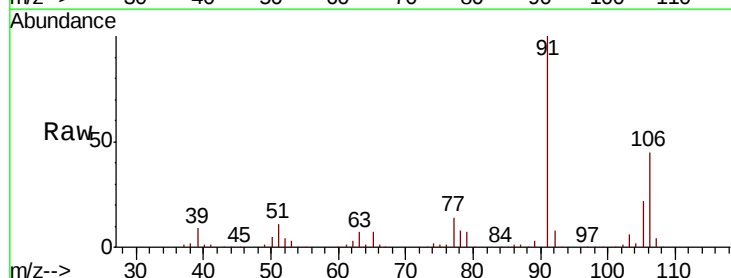
Acq: 04 Dec 2020 11:16

Tgt Ion: 106 Resp: 154673

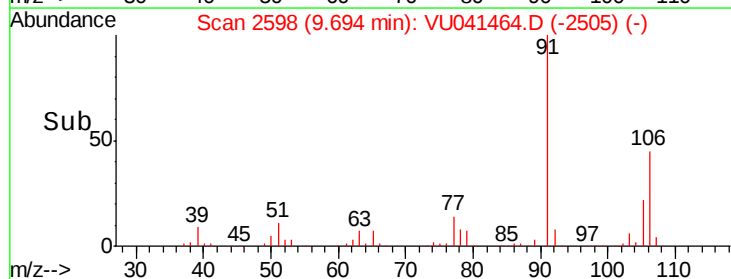
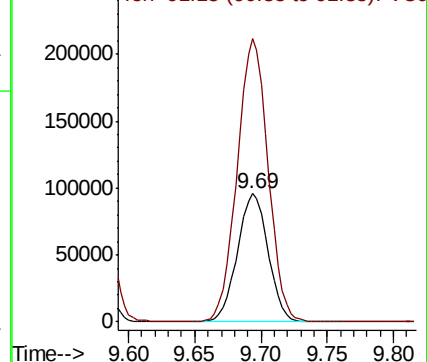
Ion Ratio Lower Upper

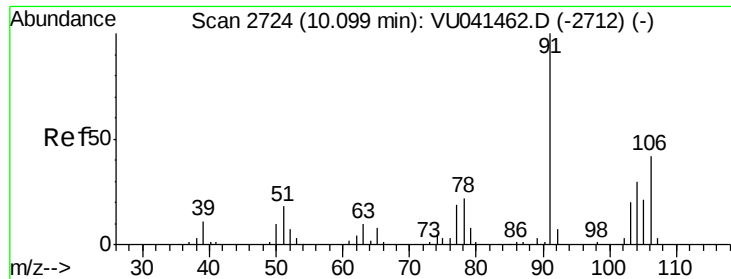
106 100

91 221.3 151.8 282.0



Abundance Ion 106.15 (105.85 to 106.85): VU041464.D (-2586) (-)

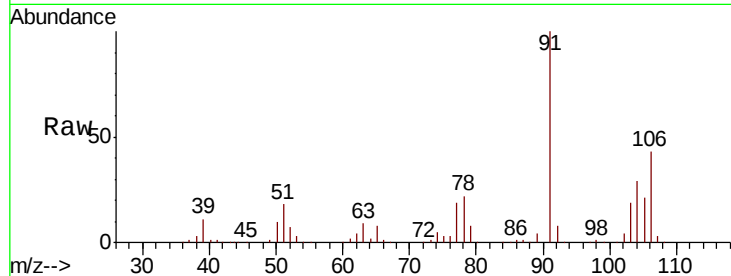




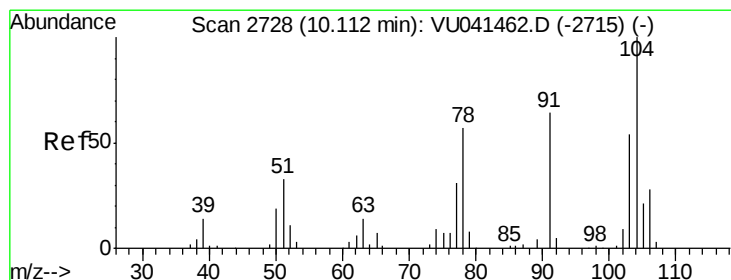
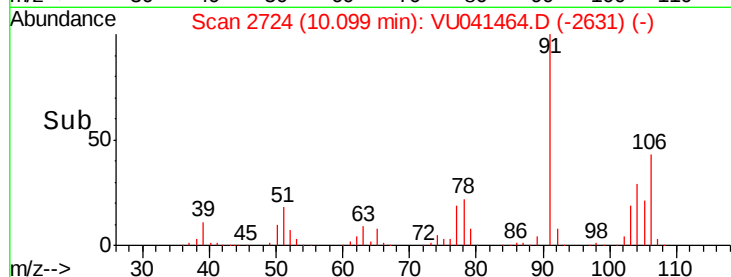
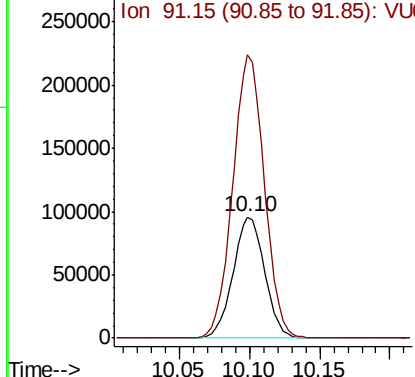
#54
o-Xylene
Concen: 22.475 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041464.D
Acq: 04 Dec 2020 11:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

Tot Ion:106 Resp: 150100
Ion Ratio Lower Upper
106 100
91 233.3 165.8 308.0

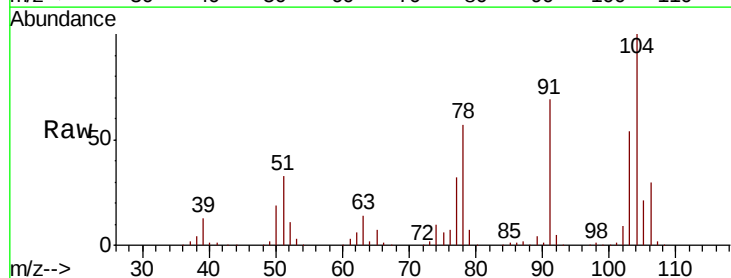


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

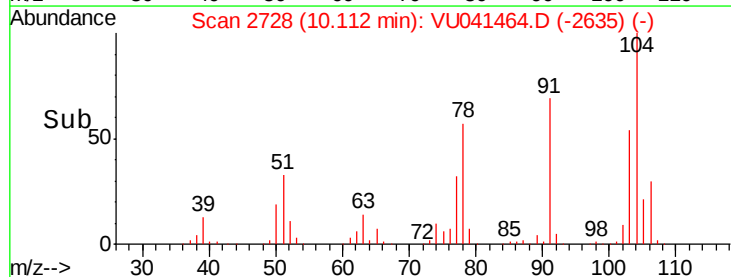
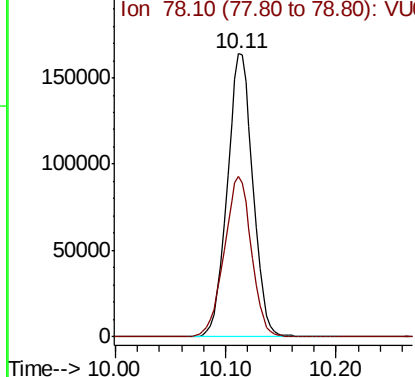


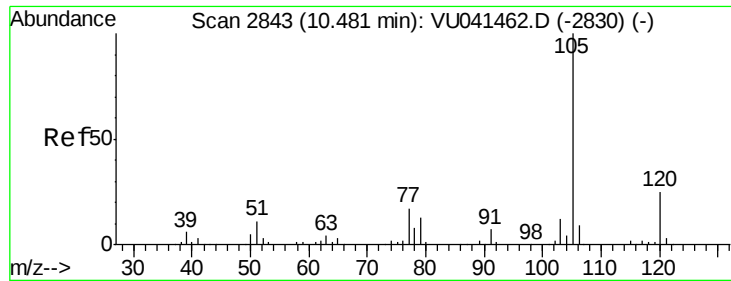
#55
Styrene
Concen: 21.970 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU041464.D
Acq: 04 Dec 2020 11:16

Tgt Ion:104 Resp: 263516
Ion Ratio Lower Upper
104 100
78 56.8 39.8 74.0



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





#56

Isopropylbenzene

Concen: 22.452 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041464.D

Acq: 04 Dec 2020 11:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

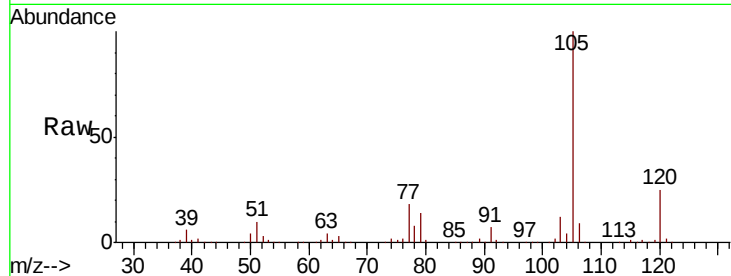
Tot Ion:105 Resp: 431680

Ion Ratio Lower Upper

105 100

120 25.0 20.0 30.0

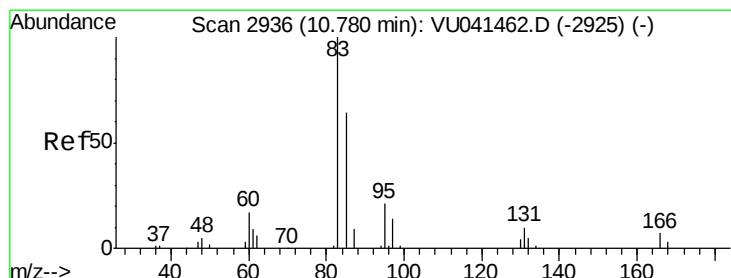
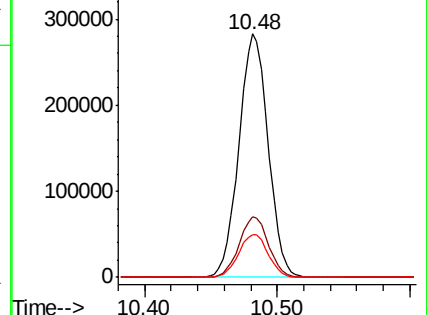
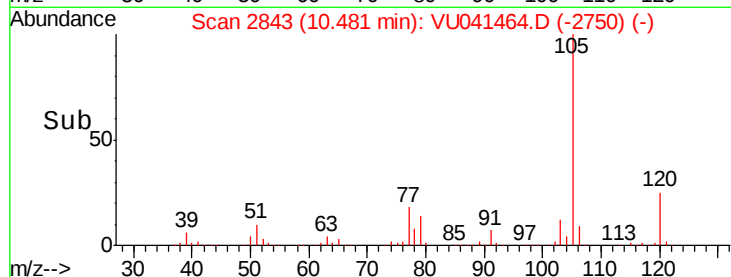
77 17.8 13.9 20.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 21.734 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041464.D

Acq: 04 Dec 2020 11:16

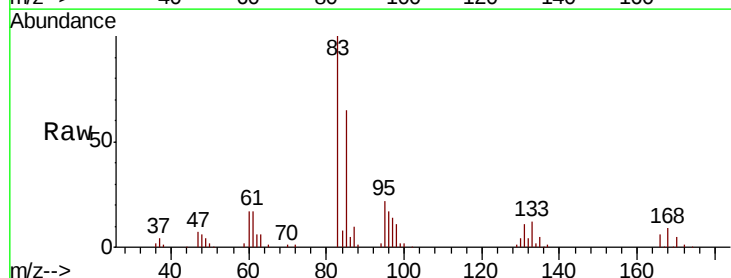
Tgt Ion: 83 Resp: 90434

Ion Ratio Lower Upper

83 100

85 64.8 45.2 84.0

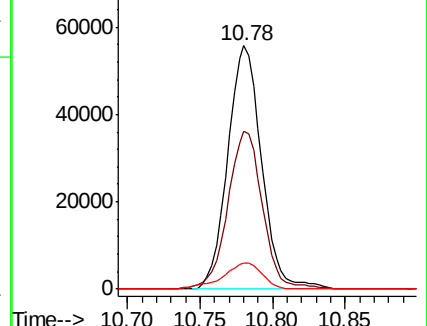
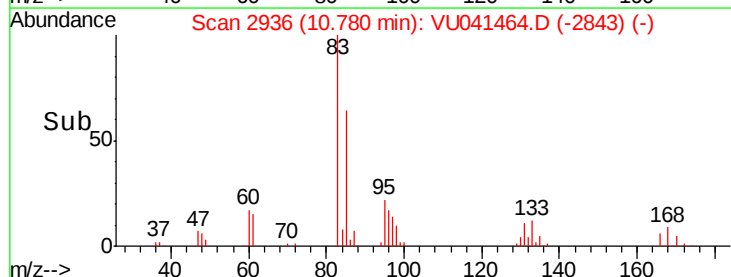
131 10.7 9.1 13.7

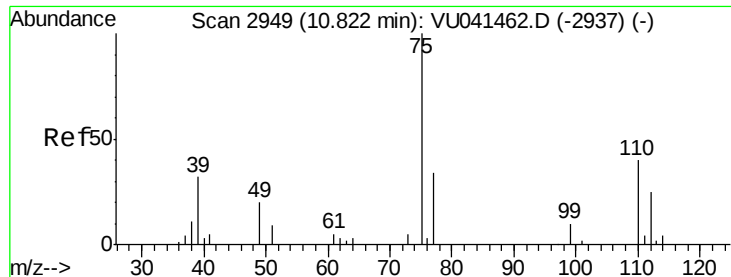


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 20.839 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU041464.D

Acq: 04 Dec 2020 11:16

Instrument :

MSVOA_U

ClientSampleId :

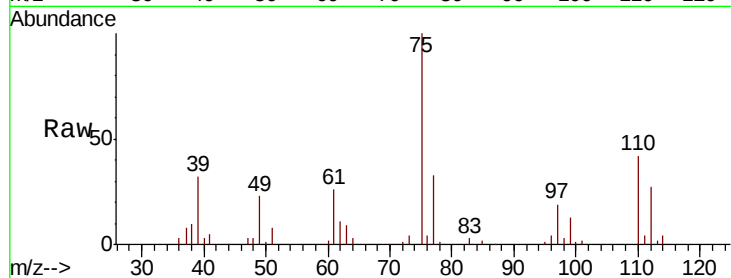
VSTD02004

Tot Ion: 75 Resp: 72184

Ion Ratio Lower Upper

75 100

77 32.5 26.3 39.5

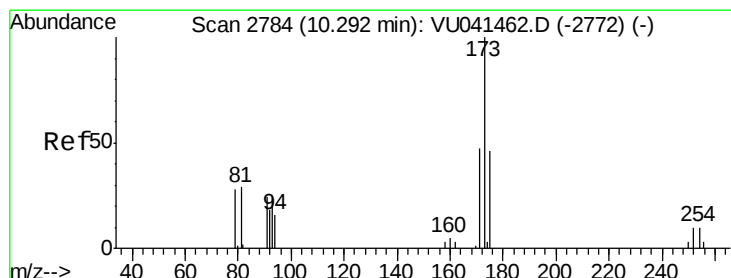
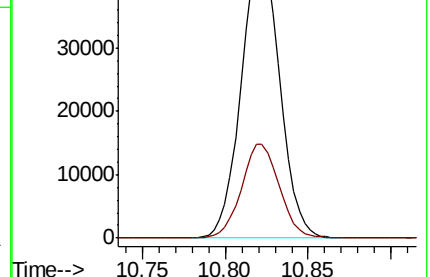
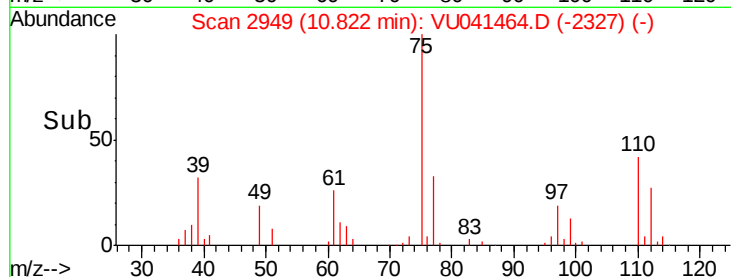


Abundance Ion 75.00 (74.70 to 75.70): VU041462.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041462.D (-2937) (-)

10.82

Time-->



#61

Bromoform

Concen: 19.603 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU041464.D

Acq: 04 Dec 2020 11:16

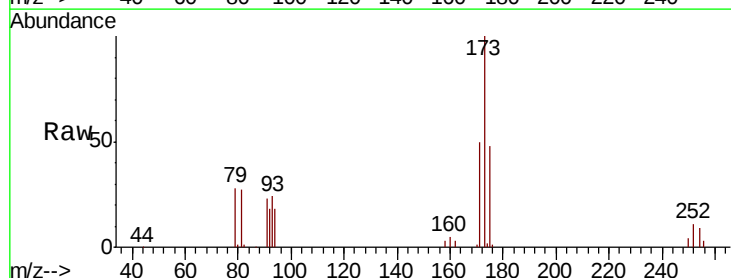
Tgt Ion: 173 Resp: 62219

Ion Ratio Lower Upper

173 100

175 47.9 38.8 58.2

254 9.2 7.6 11.4



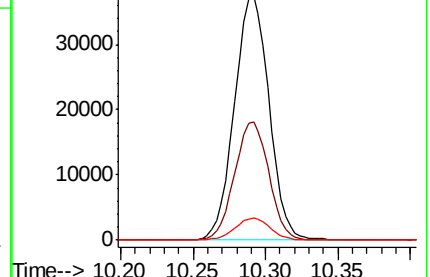
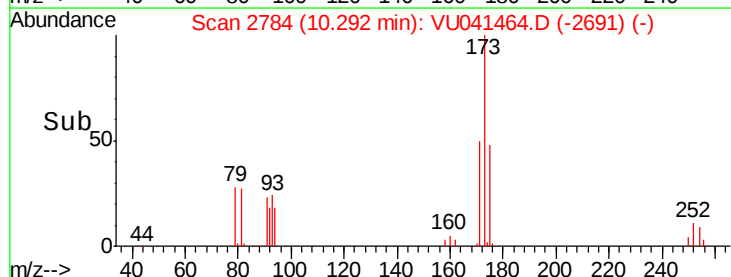
Abundance Ion 172.90 (172.60 to 173.60): VU041462.D (-2772) (-)

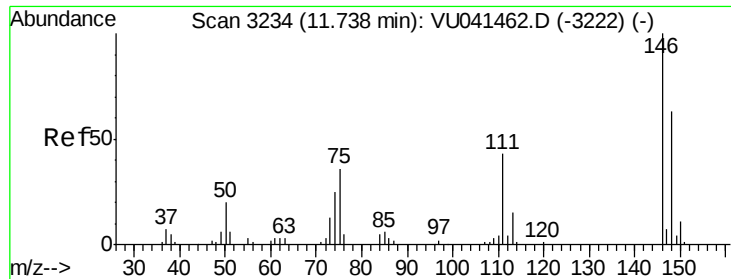
Ion 174.90 (174.60 to 175.60): VU041462.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU041462.D (-2772) (-)

10.29

Time-->





#62

1,3-Dichlorobenzene

Concen: 19.820 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU041464.D

Acq: 04 Dec 2020 11:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

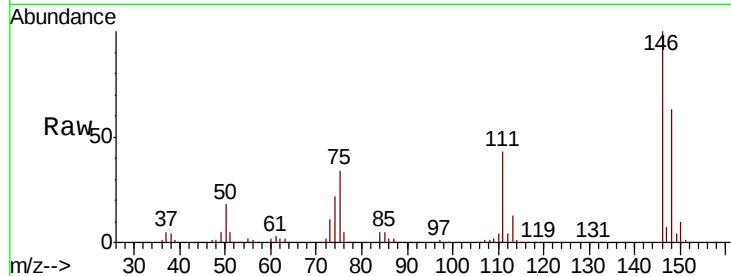
Tot Ion:146 Resp: 215613

Ion Ratio Lower Upper

146 100

111 42.7 30.2 56.0

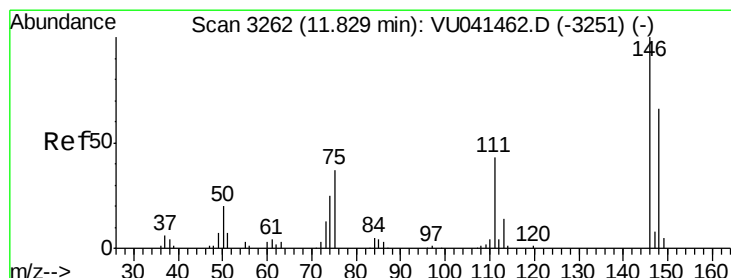
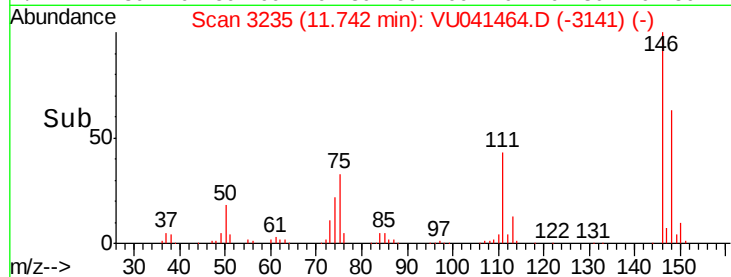
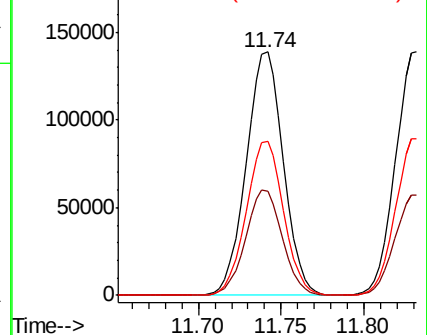
148 63.3 44.0 81.6



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



#63

1,4-Dichlorobenzene

Concen: 19.705 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU041464.D

Acq: 04 Dec 2020 11:16

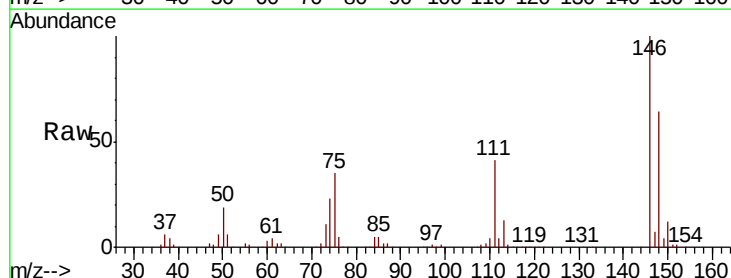
Tgt Ion:146 Resp: 215715

Ion Ratio Lower Upper

146 100

111 41.2 30.7 57.1

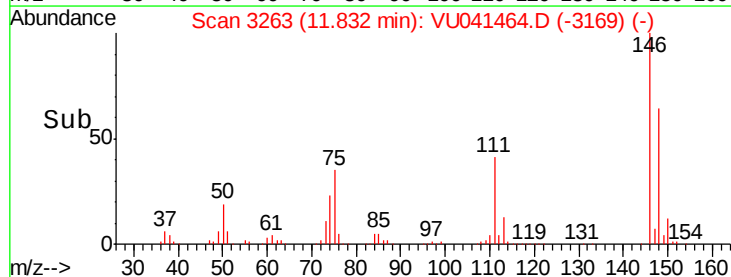
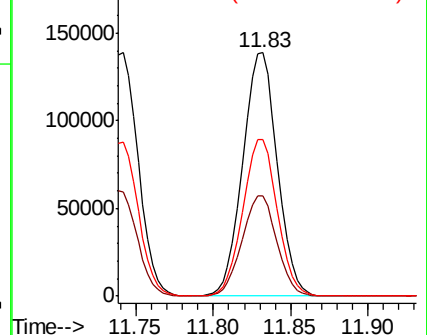
148 64.4 45.8 85.2

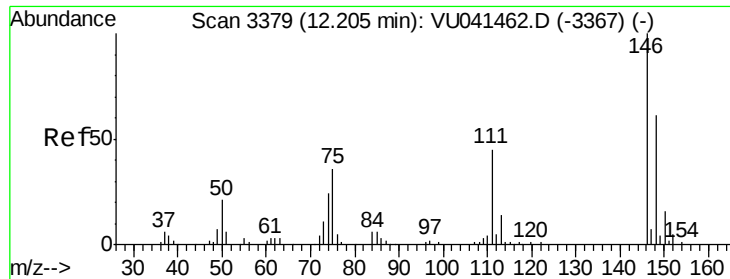


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 20.437 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU041464.D

Acq: 04 Dec 2020 11:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

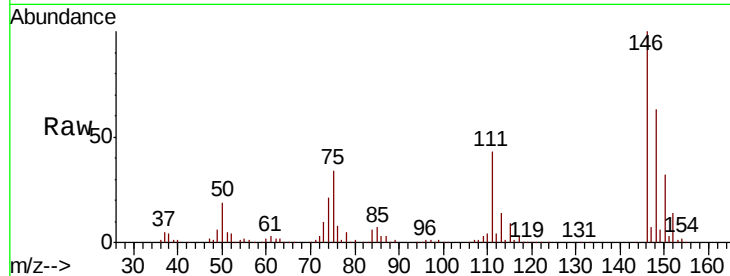
Tot Ion:146 Resp: 217120

Ion Ratio Lower Upper

146 100

111 43.3 36.0 54.0

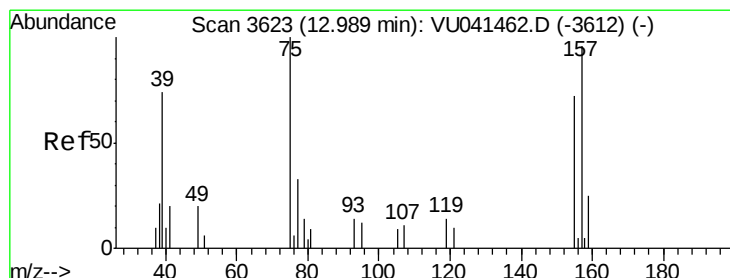
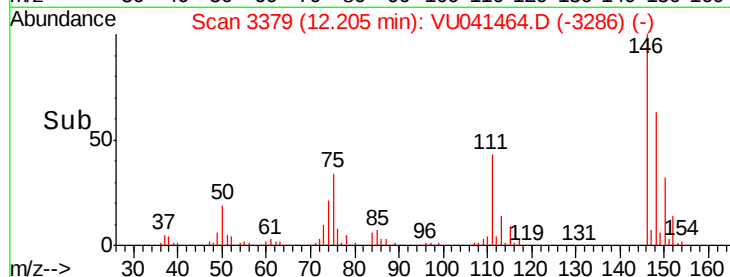
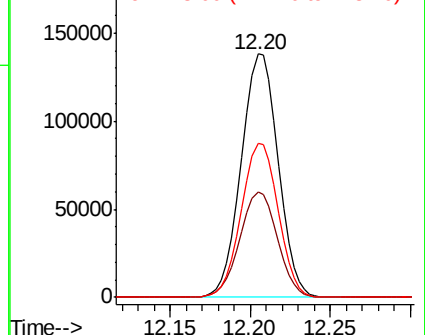
148 63.4 49.0 73.6



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



#66

1,2-Dibromo-3-chloropropane

Concen: 20.667 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU041464.D

Acq: 04 Dec 2020 11:16

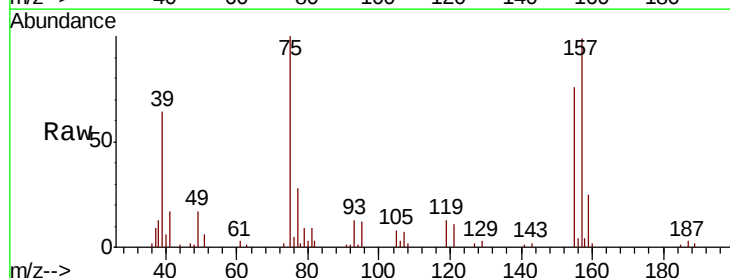
Tgt Ion: 75 Resp: 21548

Ion Ratio Lower Upper

75 100

155 76.3 58.0 87.0

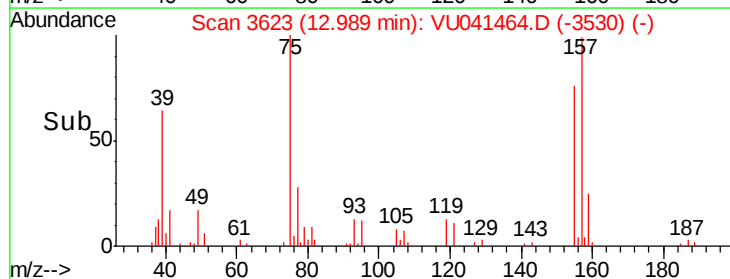
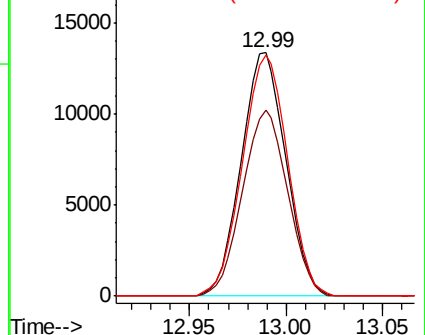
157 99.1 77.1 115.7

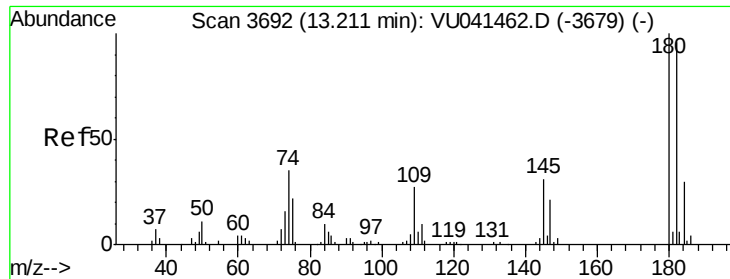


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

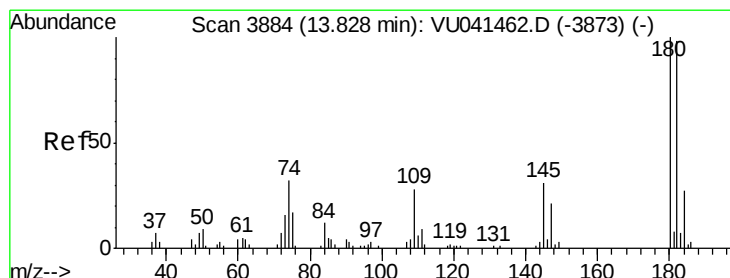
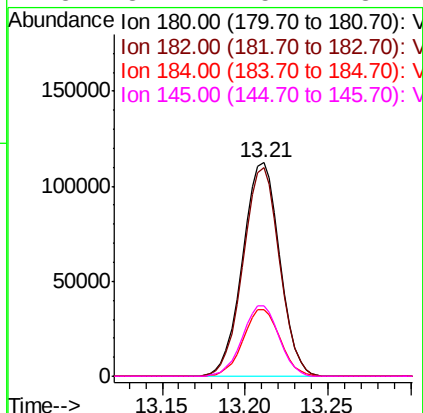
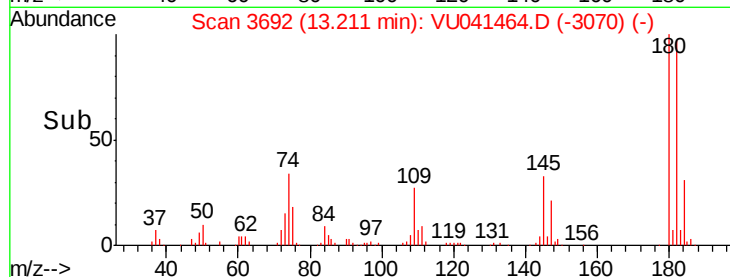
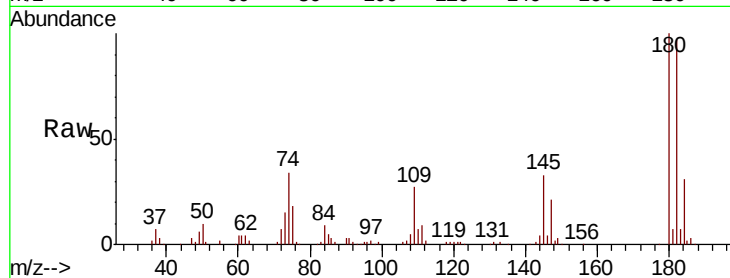




#67
 1,3,5-Trichlorobenzene
 Concen: 20.866 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU041464.D
 Acq: 04 Dec 2020 11:16

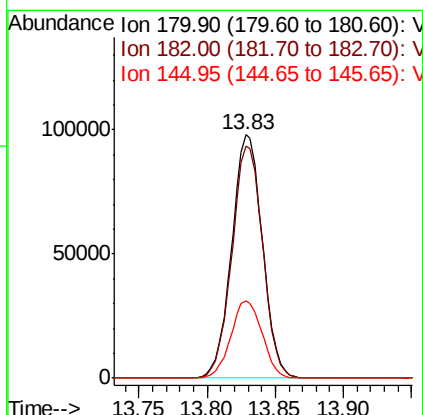
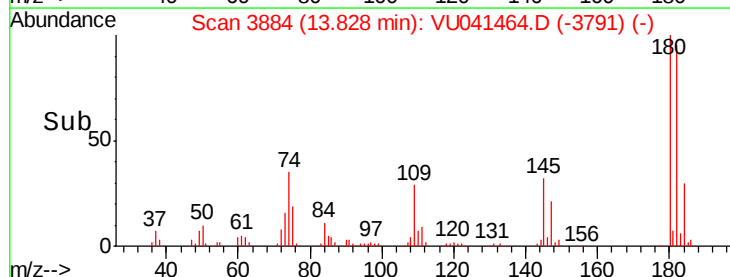
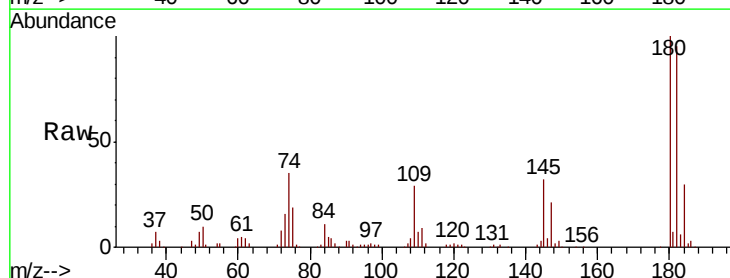
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02004

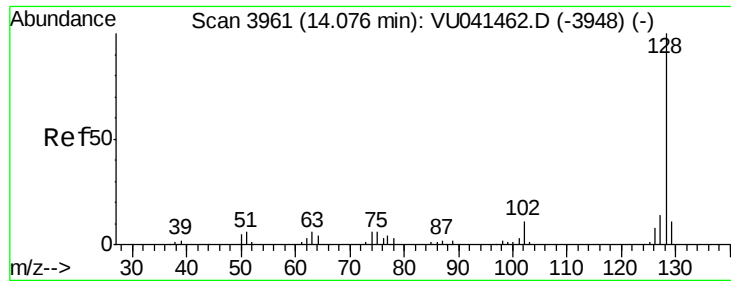
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.3	114.5
184	31.0	23.8	35.6
145	32.7	25.1	37.7



#68
 1,2,4-trichlorobenzene
 Concen: 22.423 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041464.D
 Acq: 04 Dec 2020 11:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.8	116.8
145	32.5	26.4	39.6





#69

Naphthalene

Concen: 24.531 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU041464.D

Acq: 04 Dec 2020 11:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

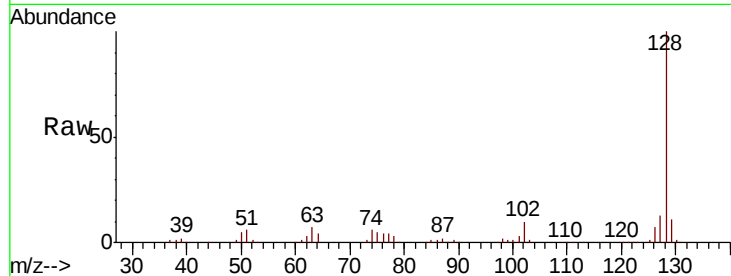
Tot Ion:128 Resp: 277544

Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

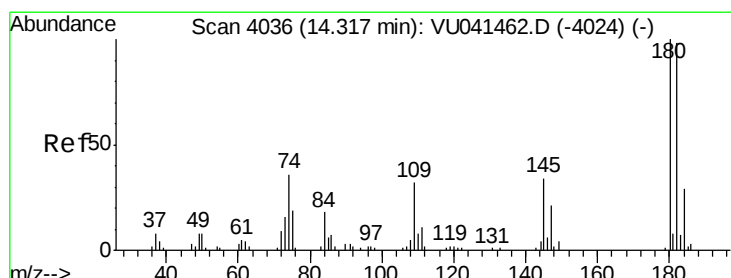
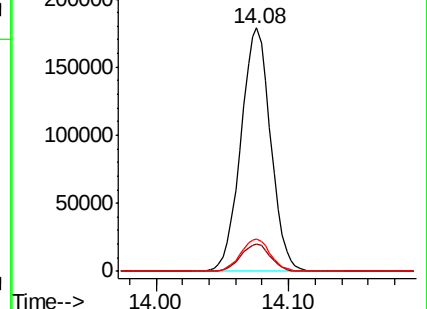
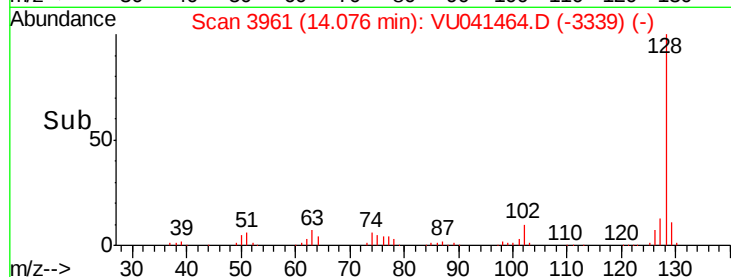
127 13.3 10.9 16.3



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



#70

1,2,3-Trichlorobenzene

Concen: 20.911 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU041464.D

Acq: 04 Dec 2020 11:16

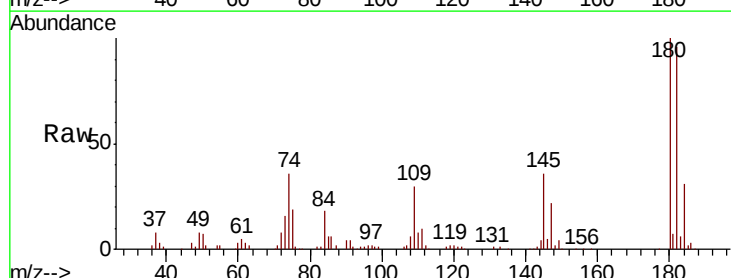
Tgt Ion:180 Resp: 132005

Ion Ratio Lower Upper

180 100

182 94.1 79.1 118.7

145 34.9 27.8 41.8



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

