

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122420\
 Data File : VU041801.D
 Acq On : 24 Dec 2020 11:51
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050208

Quant Time: Dec 25 02:18:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM121620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 25 02:17:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	356336	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	320214	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	158897	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	136562	51.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.56%
7) Chloroethane-d5	1.92	69	116318	52.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.18%
11) 1,1-Dichloroethene-d2	2.58	63	250692	53.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.36%
21) 2-Butanone-d5	4.64	46	219224	108.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.06%
24) Chloroform-d	5.08	84	248077	52.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.92%
26) 1,2-Dichloroethane-d4	5.72	65	152000	50.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.72%
32) Benzene-d6	5.74	84	490729	52.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.78%
36) 1,2-Dichloropropane-d6	6.70	67	133974	46.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.30%
41) Toluene-d8	7.90	98	418661	48.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.04%
43) trans-1,3-Dichloropropene-	8.18	79	70099	47.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.60%
47) 2-Hexanone-d5	8.64	63	149642	95.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.56%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	207188	47.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.90%
66) 1,2-Dichlorobenzene-d4	12.19	152	158729	48.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.14%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	144613	48.695	ug/L	99
3) Chloromethane	1.53	50	135079	49.898	ug/L	99
5) Vinyl chloride	1.61	62	169624	56.240	ug/L	97
6) Bromomethane	1.86	94	120285	54.061	ug/L	98
8) Chloroethane	1.94	64	112783	55.931	ug/L	100
9) Trichlorofluoromethane	2.15	101	232825	52.673	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	138351	57.772	ug/L	98
12) 1,1-Dichloroethene	2.59	96	132225	57.809	ug/L	96
13) Acetone	2.64	43	160406	105.865	ug/L	99
14) Carbon disulfide	2.81	76	418062	56.971	ug/L	100
15) Methyl Acetate	2.96	43	164940	57.178	ug/L	99
16) Methylene chloride	3.06	84	152262	58.233	ug/L	99
17) trans-1,2-Dichloroethene	3.37	96	137135	57.831	ug/L	98
18) Methyl tert-butyl Ether	3.38	73	421732	57.302	ug/L	99
19) 1,1-Dichloroethane	3.89	63	249782	57.666	ug/L	99
20) cis-1,2-Dichloroethene	4.69	96	145679	56.092	ug/L	96
22) 2-Butanone	4.72	43	252344	115.747	ug/L	98

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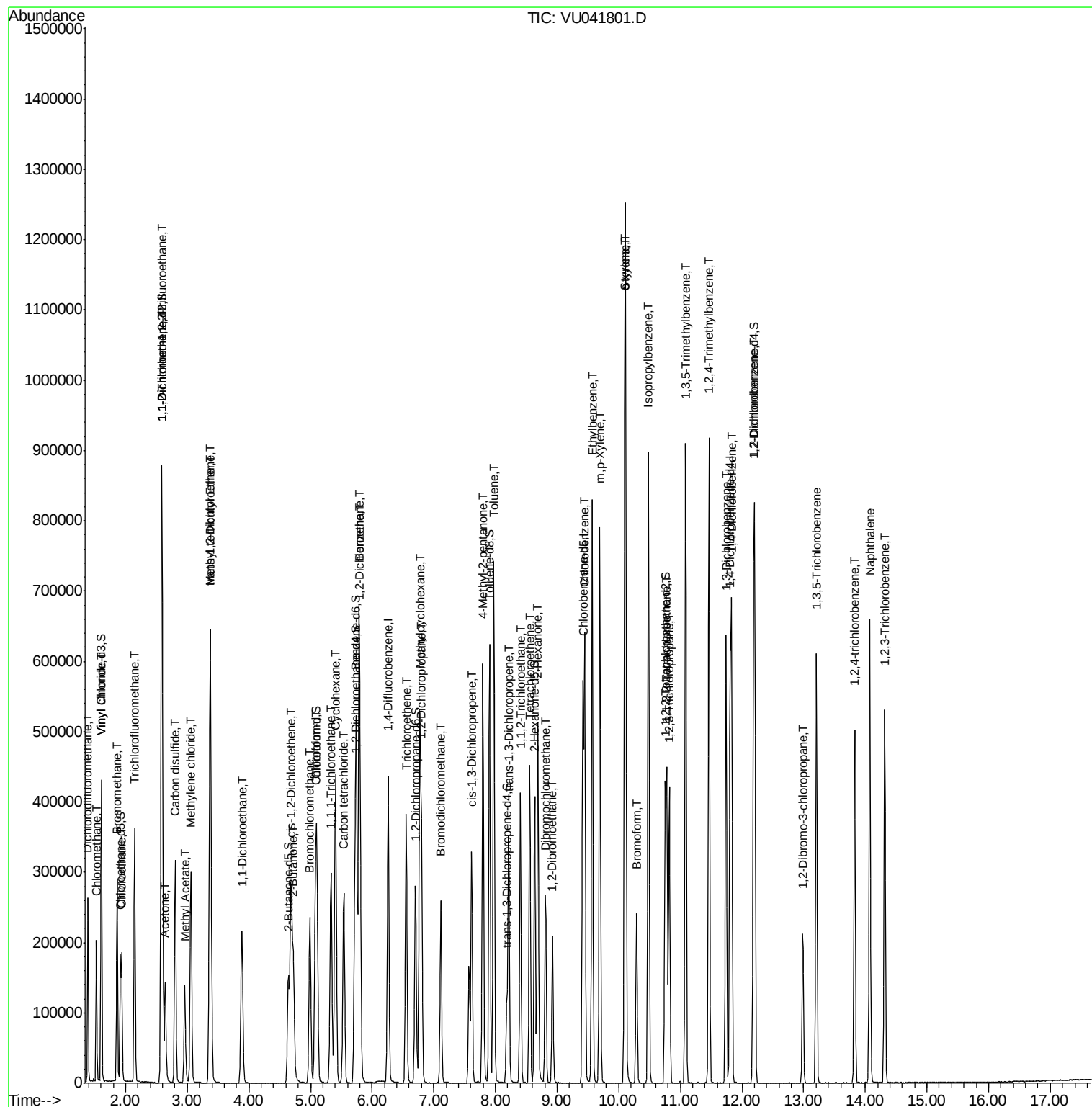
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	77409	55.580	uq/L	95
25) Chloroform	5.11	83	254592	55.751	uq/L	99
27) 1,2-Dichloroethane	5.81	62	192245	53.950	uq/L	100
29) Cyclohexane	5.40	56	226099	61.392	uq/L	97
30) 1,1,1-Trichloroethane	5.33	97	217709	54.782	uq/L	99
31) Carbon tetrachloride	5.54	117	189341	54.602	uq/L	100
33) Benzene	5.79	78	572525	56.552	uq/L	100
34) Trichloroethene	6.55	95	131814	50.253	uq/L	99
35) Methylcyclohexane	6.77	83	217180	52.222	uq/L	99
37) 1,2-Dichloropropane	6.80	63	130616	51.360	uq/L	99
38) Bromodichloromethane	7.11	83	171945	49.938	uq/L	98
39) cis-1,3-Dichloropropene	7.61	75	203011	50.088	uq/L	97
40) 4-Methyl-2-pentanone	7.80	43	362567	97.097	uq/L	99
42) Toluene	7.97	91	554701	51.893	uq/L	99
44) trans-1,3-Dichloropropene	8.21	75	199663	50.830	uq/L	98
45) 1,1,2-Trichloroethane	8.40	97	129271	50.244	uq/L	99
46) Tetrachloroethene	8.56	164	102294	50.248	uq/L	96
48) 2-Hexanone	8.69	43	300366	99.001	uq/L	99
49) Dibromochloromethane	8.81	129	142368	51.102	uq/L	96
50) 1,2-Dibromoethane	8.93	107	140193	52.198	uq/L	99
51) Chlorobenzene	9.45	112	351435	51.474	uq/L	98
52) Ethylbenzene	9.57	91	587000	52.176	uq/L	97
53) m,p-Xylene	9.69	106	231302	53.506	uq/L	95
54) o-xylene	10.10	106	227194	53.833	uq/L	99
55) Styrene	10.11	104	383150	53.375	uq/L	97
57) 1,1,2,2-Tetrachloroethane	10.78	83	220097	49.761	uq/L	99
59) Bromoform	10.29	173	110395	52.139	uq/L	99
60) 1,2,3-Trichloropropane	10.82	75	180331	49.590	uq/L	99
61) Isopropylbenzene	10.48	105	588373	53.984	uq/L	99
62) 1,3,5-Trimethylbenzene	11.09	105	492794	54.394	uq/L	98
63) 1,2,4-Trimethylbenzene	11.47	105	505786	55.106	uq/L	100
64) 1,3-Dichlorobenzene	11.74	146	271281	51.968	uq/L	98
65) 1,4-Dichlorobenzene	11.83	146	271637	51.618	uq/L	98
67) 1,2-Dichlorobenzene	12.20	146	276382	51.347	uq/L	99
68) 1,2-Dibromo-3-chloropropan	12.99	75	53978	47.536	uq/L	94
69) 1,3,5-Trichlorobenzene	13.21	180	193479	51.520	uq/L	100
70) 1,2,4-trichlorobenzene	13.83	180	157537	52.265	uq/L	99
71) Naphthalene	14.07	128	528484	54.006	uq/L	99
72) 1,2,3-Trichlorobenzene	14.31	180	167756	55.147	uq/L	99

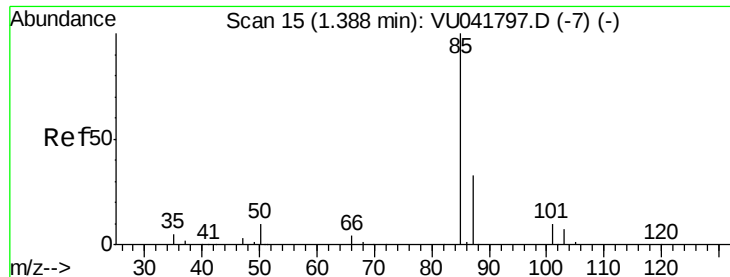
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.695 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041801.D

Acq: 24 Dec 2020 11:51

Instrument :

MSVOA_U

ClientSampleId :

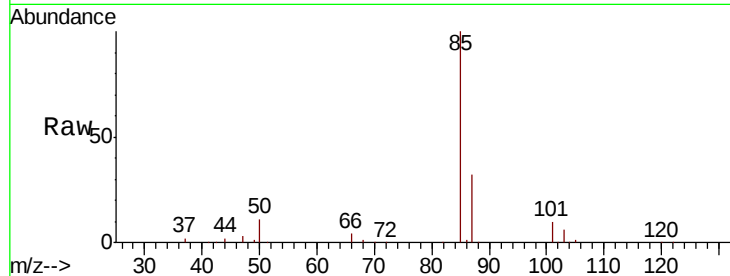
VSTD050208

Tot Ion: 85 Resp: 144613

Ion Ratio Lower Upper

85 100

87 32.4 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU041801.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU041801.D (-1) (-)

1.39

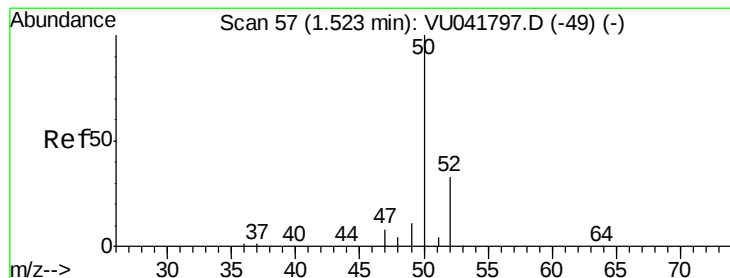
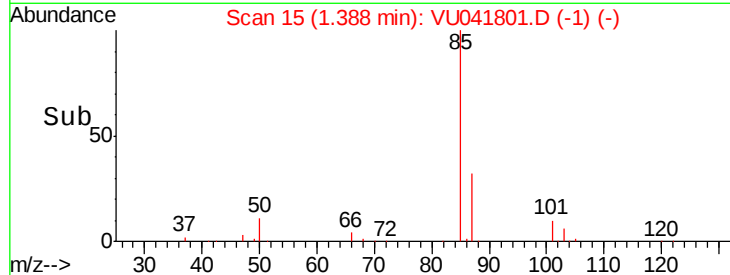
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 49.898 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041801.D

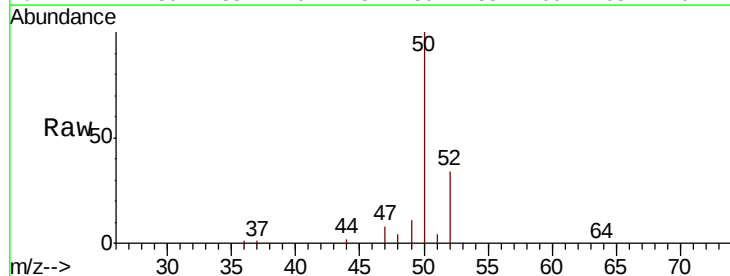
Acq: 24 Dec 2020 11:51

Tgt Ion: 50 Resp: 135079

Ion Ratio Lower Upper

50 100

52 33.8 24.1 44.8



Abundance Ion 50.00 (49.70 to 50.70): VU041801.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU041801.D (-1) (-)

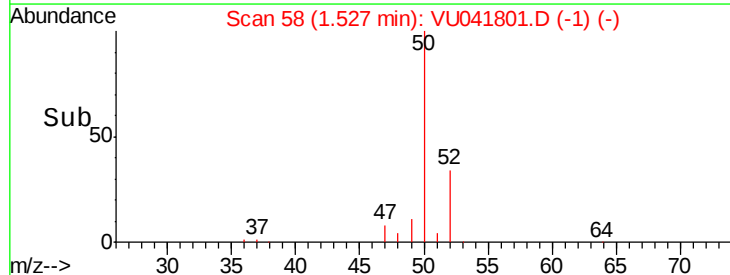
1.53

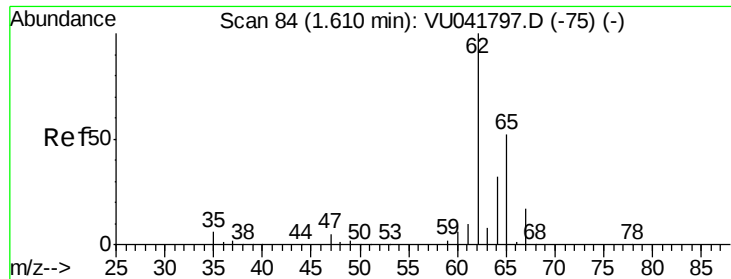
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 56.240 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041801.D

Acq: 24 Dec 2020 11:51

Instrument :

MSVOA_U

ClientSampleId :

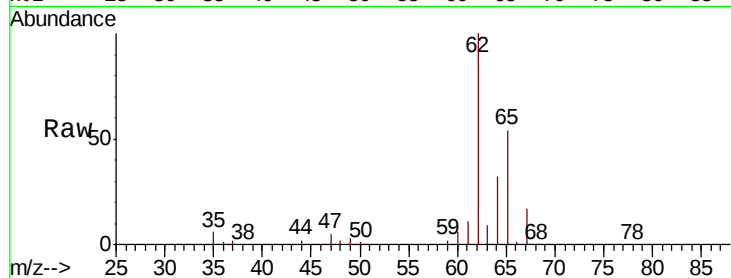
VSTD050208

Tot Ion: 62 Resp: 169624

Ion Ratio Lower Upper

62 100

64 32.4 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU041801.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU041801.D (-1) (-)

1.61

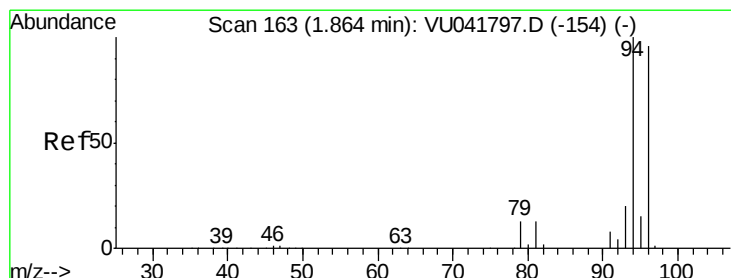
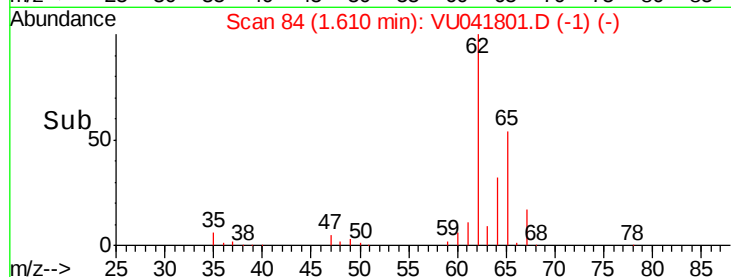
150000

100000

50000

0

Time--> 1.55 1.60 1.65



#6

Bromomethane

Concen: 54.061 ug/L

RT: 1.86 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU041801.D

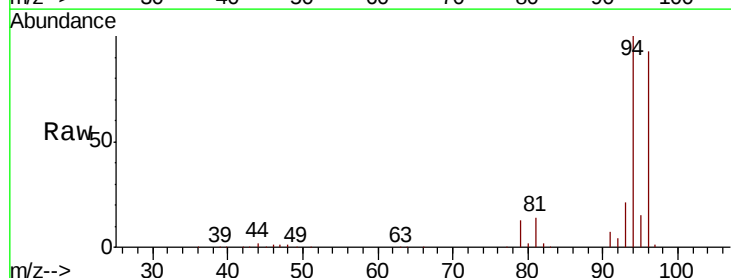
Acq: 24 Dec 2020 11:51

Tgt Ion: 94 Resp: 120285

Ion Ratio Lower Upper

94 100

96 92.6 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU041801.D (-70) (-)

Ion 96.00 (95.70 to 96.70): VU041801.D (-70) (-)

1.86

120000

100000

80000

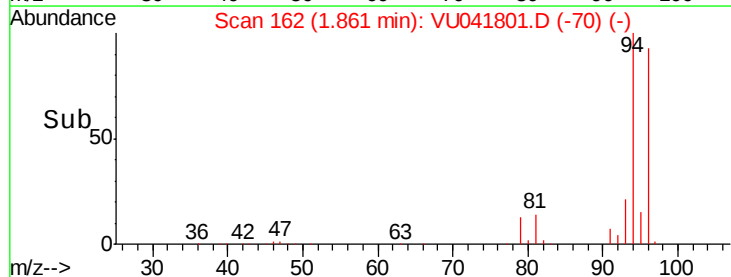
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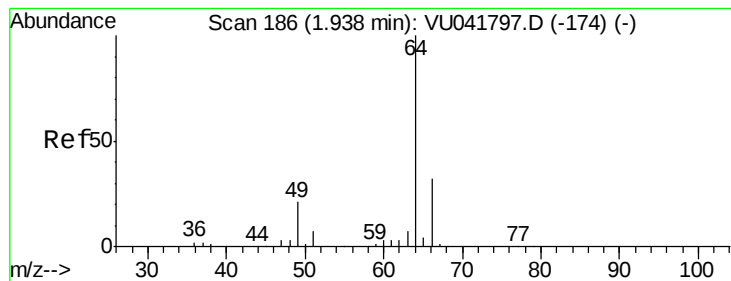
40000

20000

0

Time--> 1.80 1.85 1.90





#8

Chloroethane

Concen: 55.931 ug/L

RT: 1.94 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU041801.D

Acq: 24 Dec 2020 11:51

Instrument :

MSVOA_U

ClientSampleId :

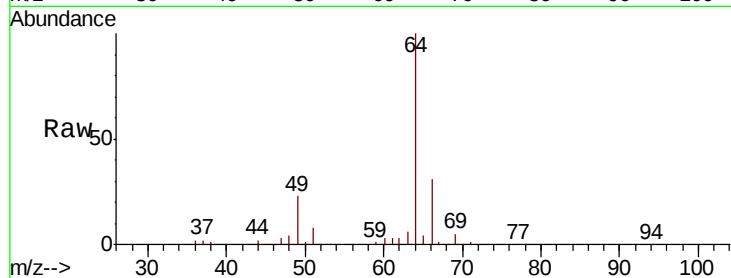
VSTD050208

Tot Ion: 64 Resp: 112783

Ion Ratio Lower Upper

64 100

66 31.0 21.6 40.0



Abundance Ion 64.00 (63.70 to 64.70): VU041797.D (-174) (-)

Ion 66.00 (65.70 to 66.70): VU041797.D (-174) (-)

1.94

80000

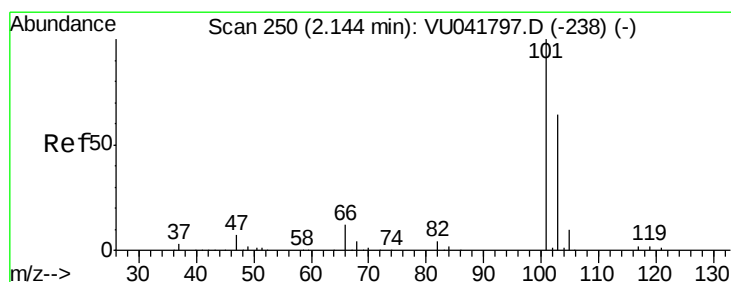
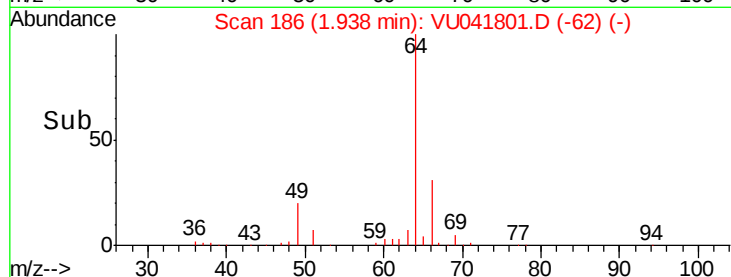
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 52.673 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU041801.D

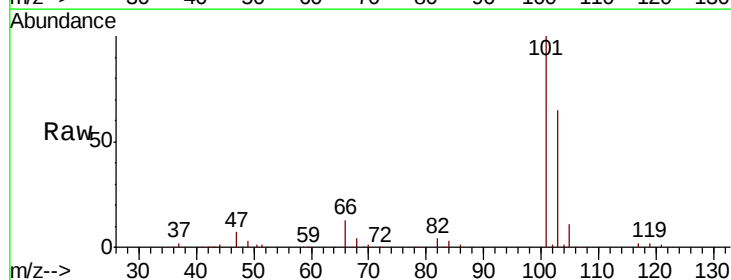
Acq: 24 Dec 2020 11:51

Tgt Ion: 101 Resp: 232825

Ion Ratio Lower Upper

101 100

103 65.2 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU041797.D (-238) (-)

Ion 103.00 (102.70 to 103.70): VU041797.D (-238) (-)

2.15

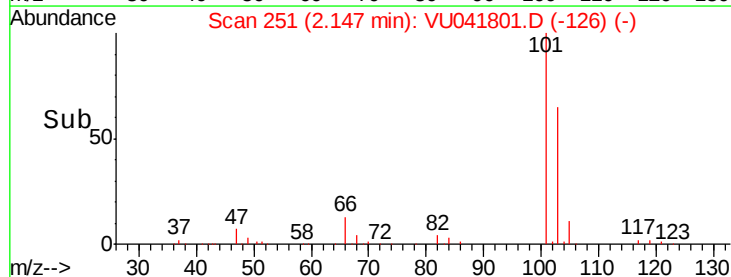
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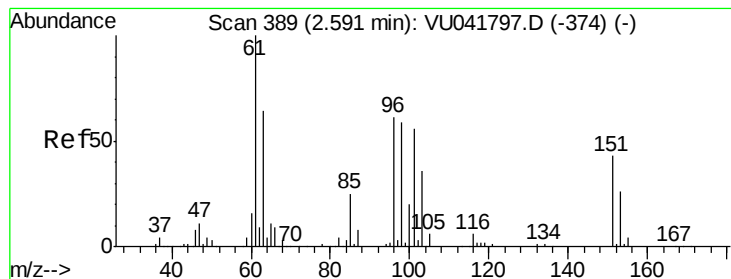
100000

50000

0

Time-->





#10

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

Concen: 57.772 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041801.D

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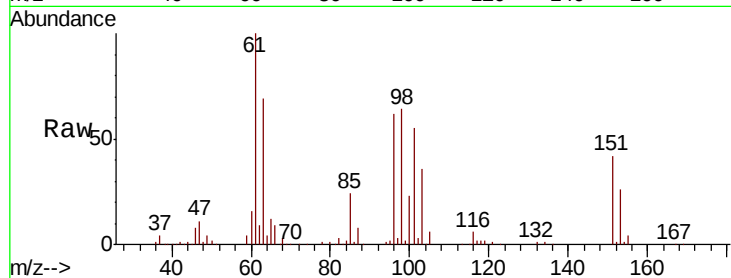
Tot Ion:101 Resp: 138351

Ion Ratio Lower Upper

101 100

85 41.7 32.7 49.1

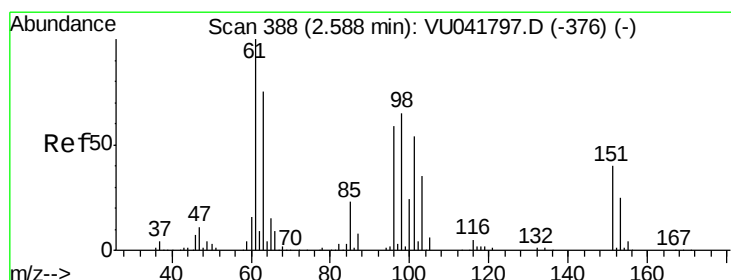
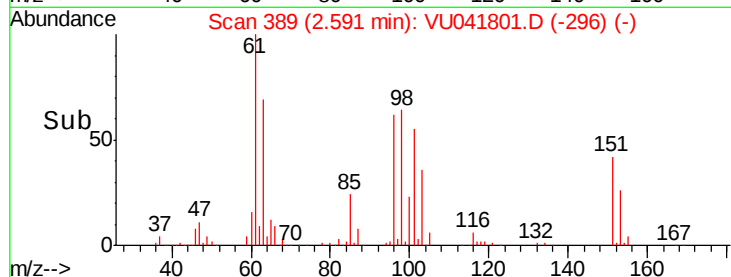
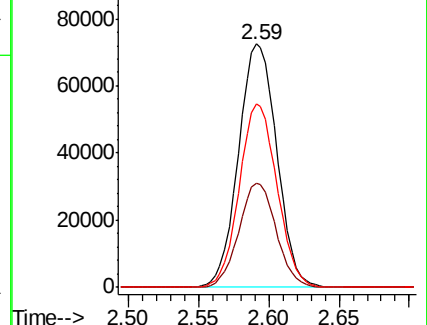
151 74.1 60.4 90.6



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: 57.809 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041801.D

Acq: 24 Dec 2020 11:51

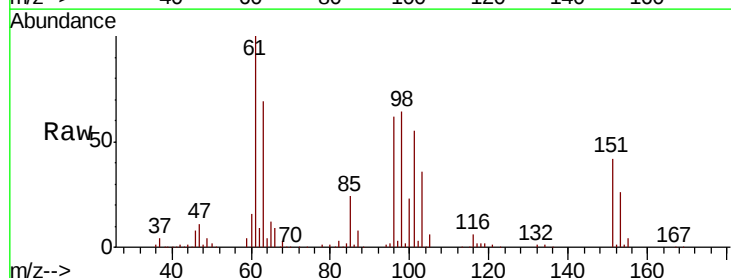
Tgt Ion: 96 Resp: 132225

Ion Ratio Lower Upper

96 100

61 160.3 114.3 212.3

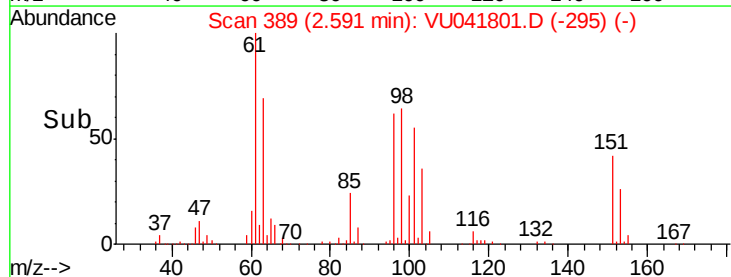
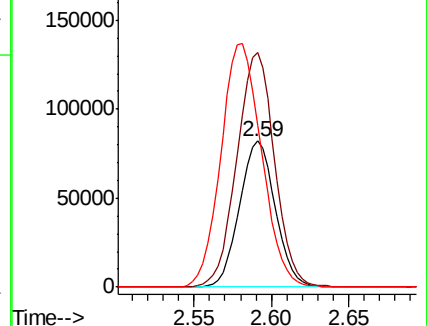
63 111.2 83.0 154.2

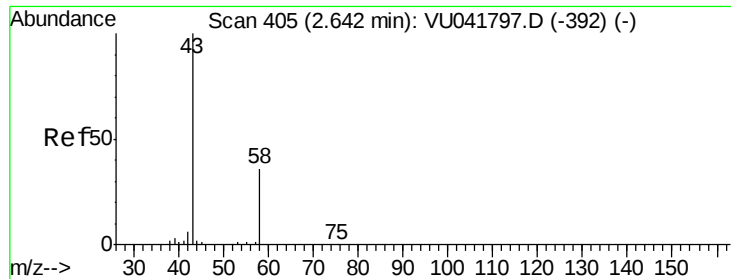


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 105.865 ug/L

RT: 2.64 min Scan# 405

Delta R.T. 0.00 min

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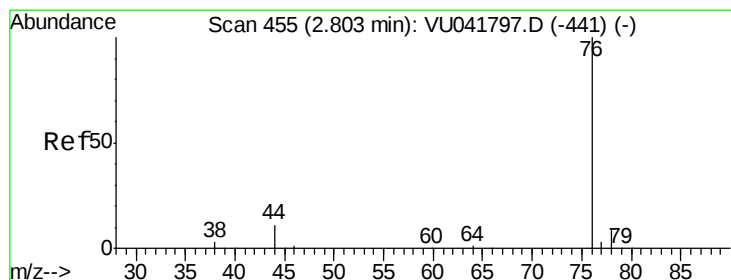
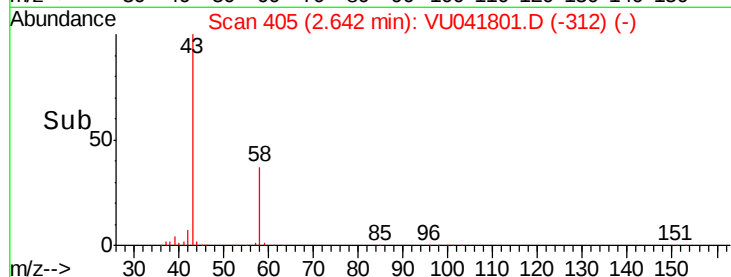
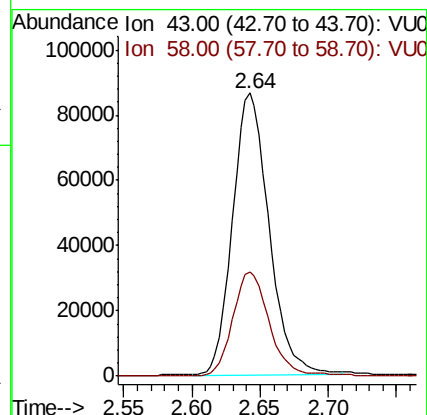
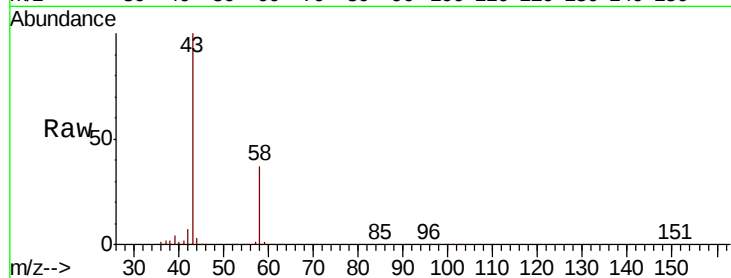
VSTD050208

Tot Ion: 43 Resp: 160406

Ion Ratio Lower Upper

43 100

58 36.1 0.0 70.8



#14

Carbon disulfide

Concen: 56.971 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041801.D

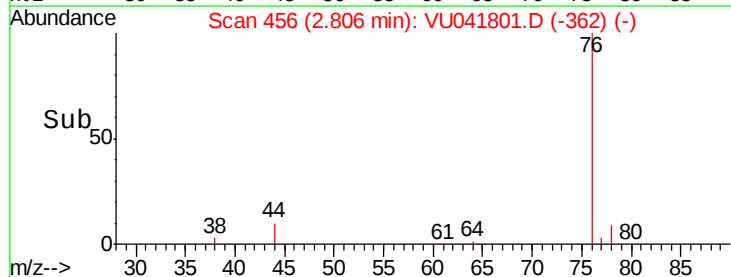
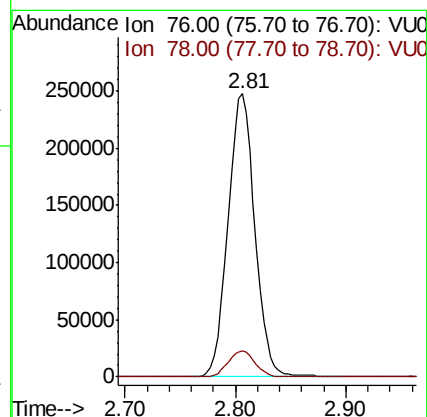
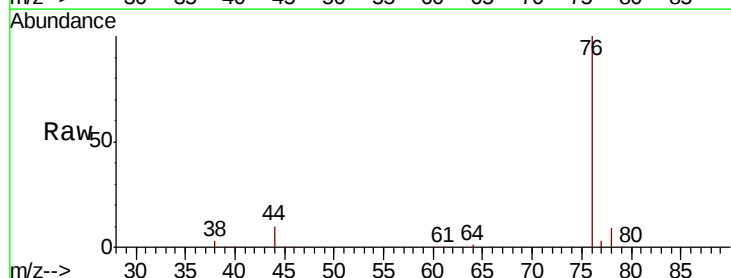
Acq: 24 Dec 2020 11:51

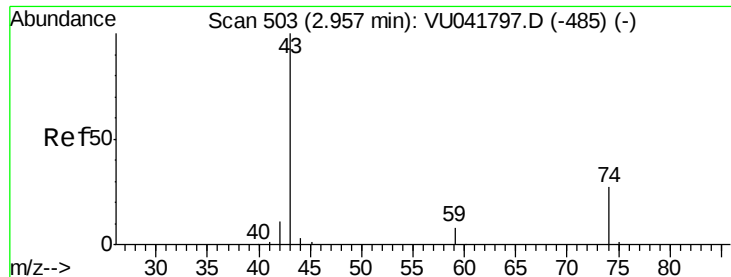
Tgt Ion: 76 Resp: 418062

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2





#15

Methyl Acetate

Concen: 57.178 ug/L

RT: 2.96 min Scan# 504

Delta R.T. 0.00 min

Lab File: VU041801.D

Acq: 24 Dec 2020 11:51

Instrument :

MSVOA_U

ClientSampleId :

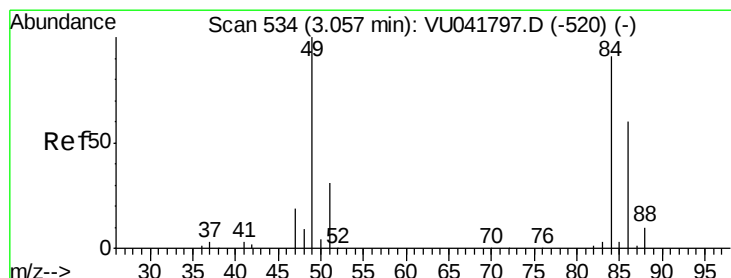
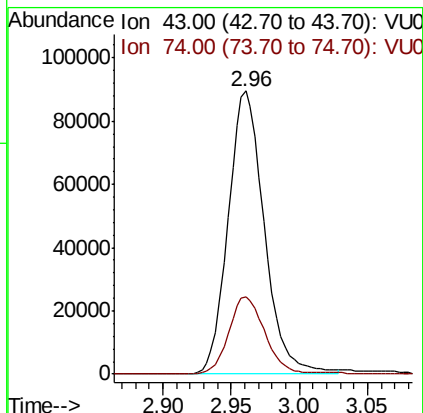
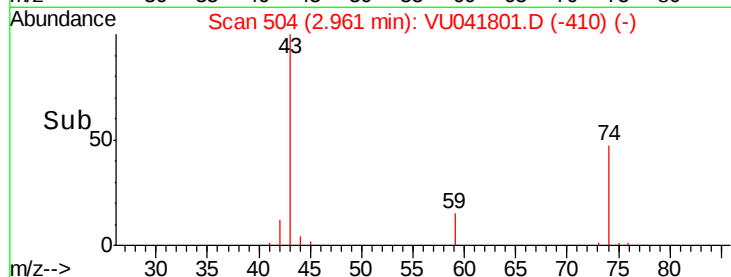
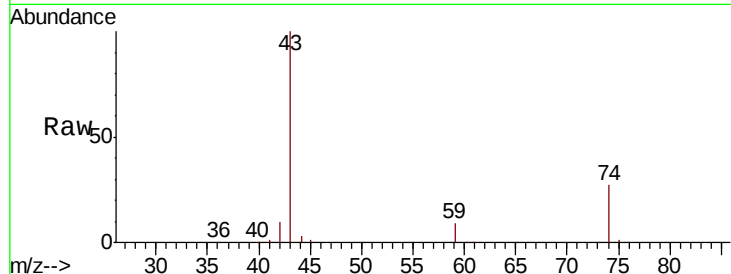
VSTD050208

Tot Ion: 43 Resp: 164940

Ion Ratio Lower Upper

43 100

74 27.3 22.1 33.1



#16

Methylene chloride

Concen: 58.233 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041801.D

Acq: 24 Dec 2020 11:51

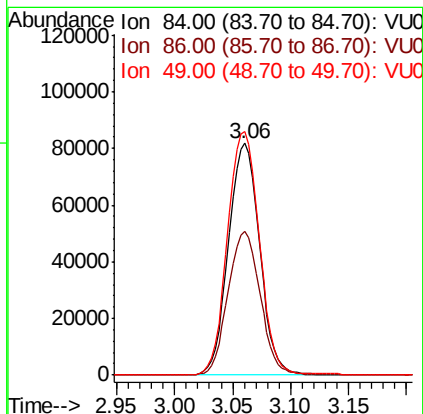
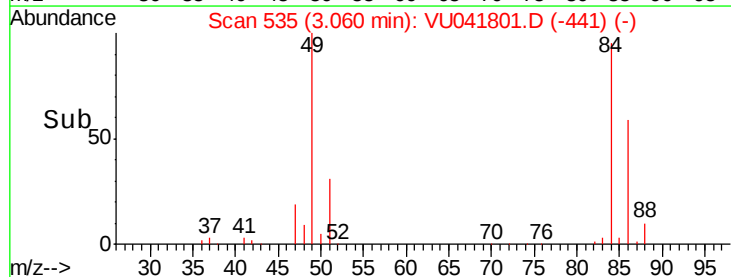
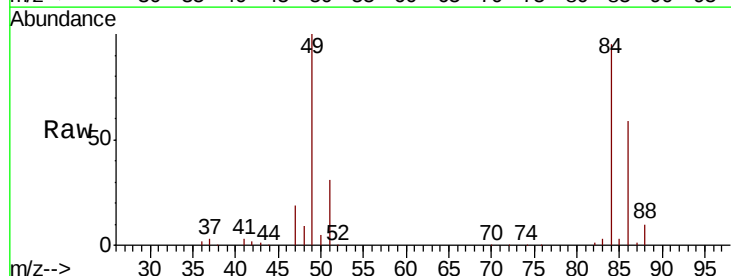
Tgt Ion: 84 Resp: 152262

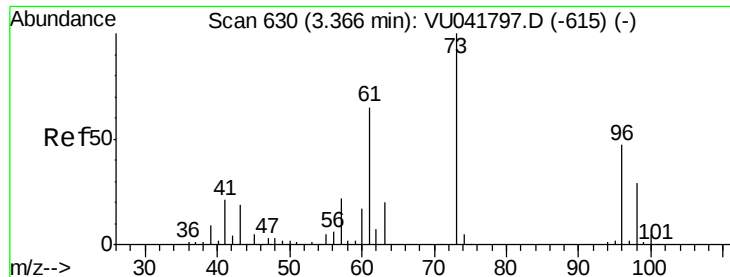
Ion Ratio Lower Upper

84 100

86 62.3 44.0 81.6

49 105.1 75.0 139.4

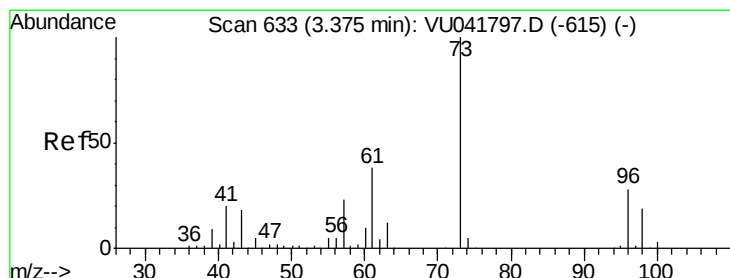
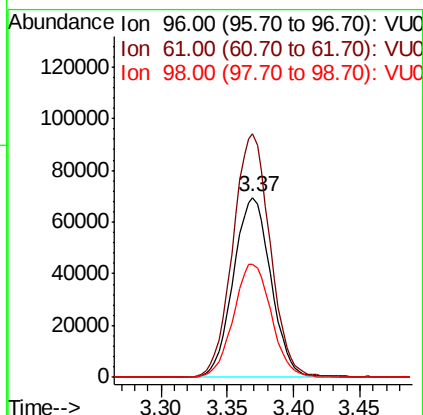
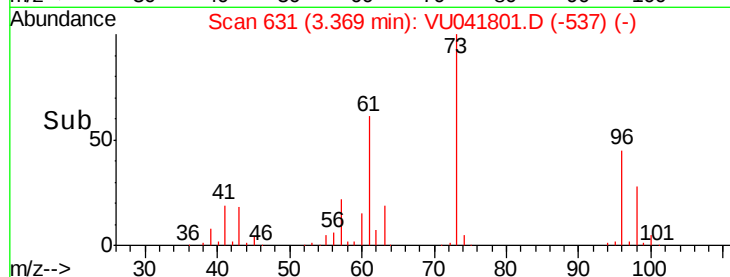
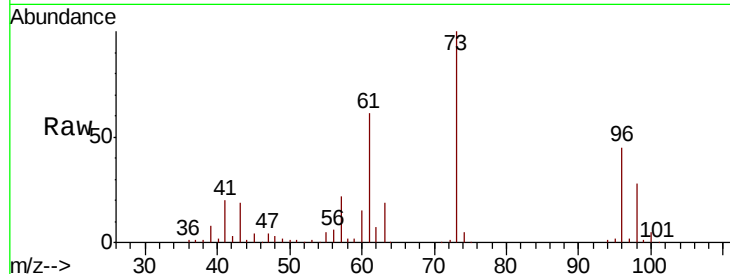




#17
trans-1,2-Dichloroethene
Concen: 57.831 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041801.D
Acq: 24 Dec 2020 11:51

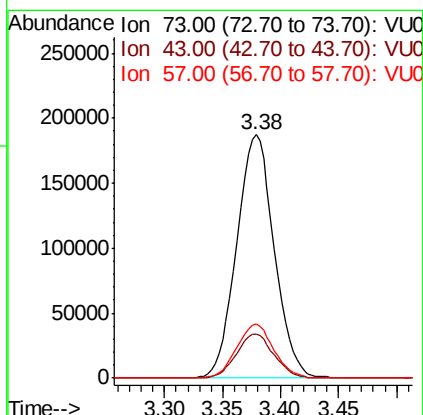
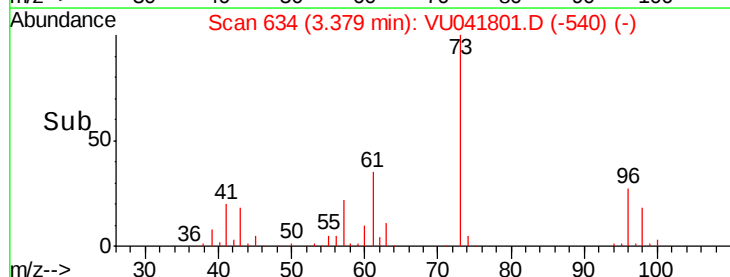
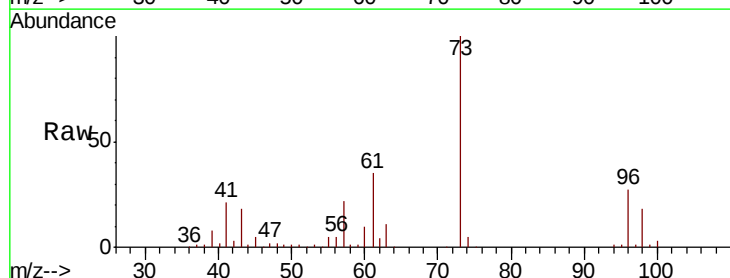
Instrument :
MSVOA_U
ClientSampleId :
VSTD050208

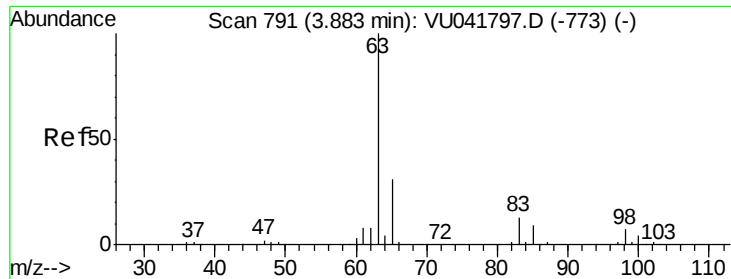
Tot Ion: 96 Resp: 137135
Ion Ratio Lower Upper
96 100
61 135.4 92.6 172.0
98 63.1 43.5 80.9



#18
Methyl tert-butyl Ether
Concen: 57.302 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041801.D
Acq: 24 Dec 2020 11:51

Tgt Ion: 73 Resp: 421732
Ion Ratio Lower Upper
73 100
43 18.1 14.8 22.2
57 22.0 17.0 25.6

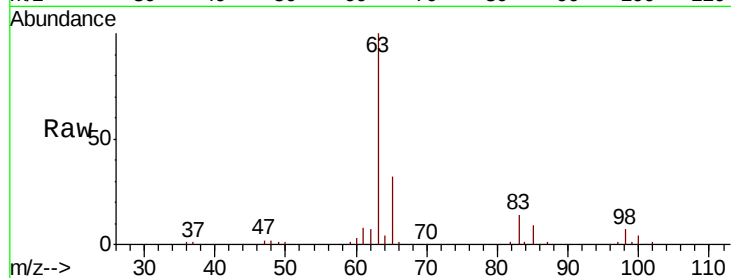




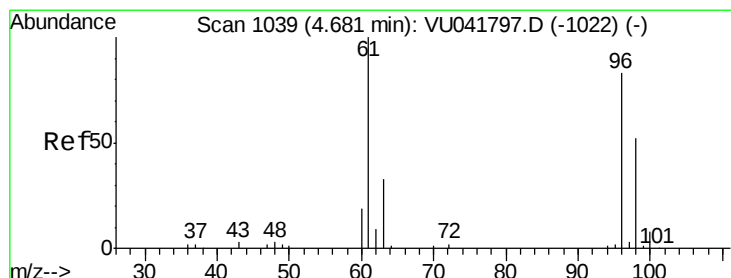
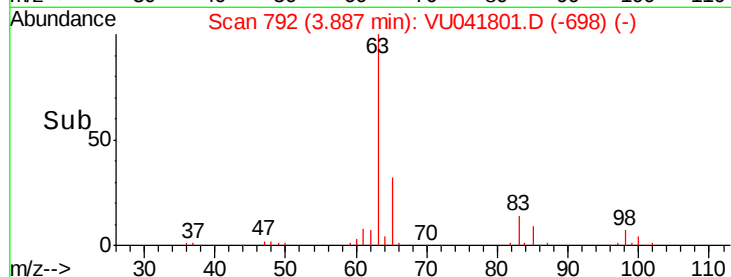
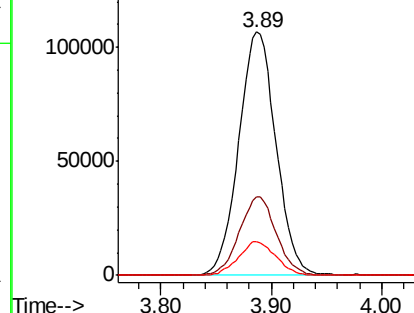
#19
 1,1-Dichloroethane
 Concen: 57.666 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VU041801.D
 Acq: 24 Dec 2020 11:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050208

Tot Ion: 63 Resp: 249782
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.9 42.5
 83 13.9 10.3 19.1

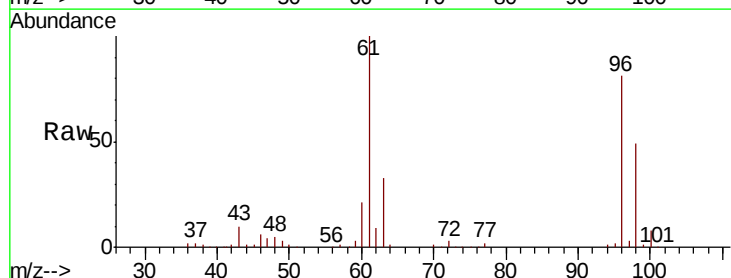


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

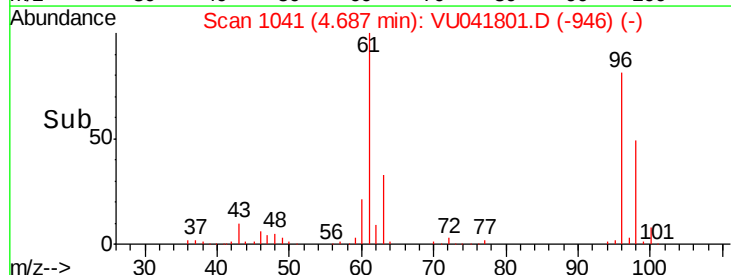
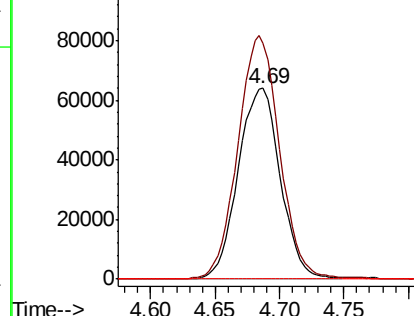


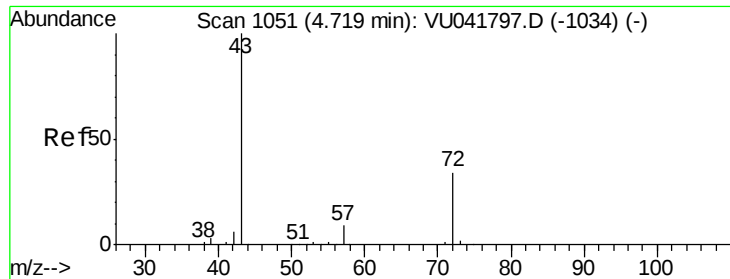
#20
 cis-1,2-Dichloroethene
 Concen: 56.092 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.01 min
 Lab File: VU041801.D
 Acq: 24 Dec 2020 11:51

Tgt Ion: 96 Resp: 145679
 Ion Ratio Lower Upper
 96 100
 61 123.6 83.7 155.5
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 115.747 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU041801.D

Acq: 24 Dec 2020 11:51

Instrument :

MSVOA_U

ClientSampleId :

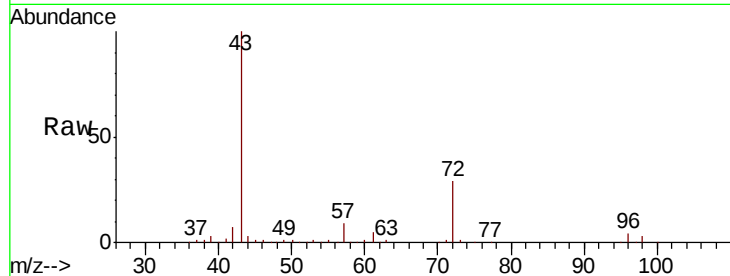
VSTD050208

Tot Ion: 43 Resp: 252344

Ion Ratio Lower Upper

43 100

72 29.9 15.6 46.8



Abundance Ion 43.00 (42.70 to 43.70): VU041801.D (-958) (-)

Ion 72.00 (71.70 to 72.70): VU041801.D (-958) (-)

4.72

120000

100000

80000

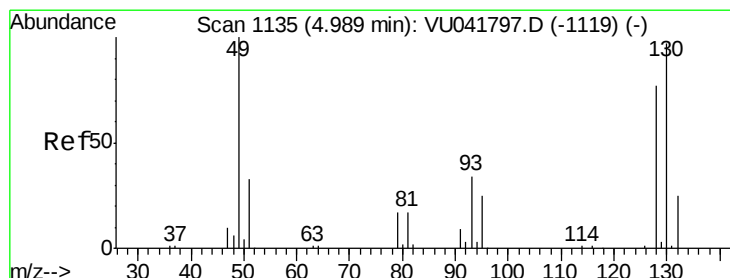
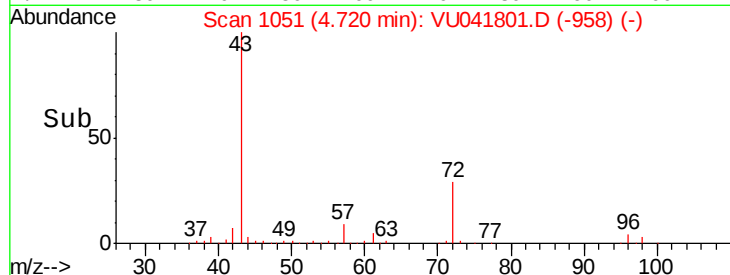
60000

40000

20000

0

Time--> 4.60 4.70 4.80



#23

Bromochloromethane

Concen: 55.580 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041801.D

Acq: 24 Dec 2020 11:51

Tgt Ion:128 Resp: 77409

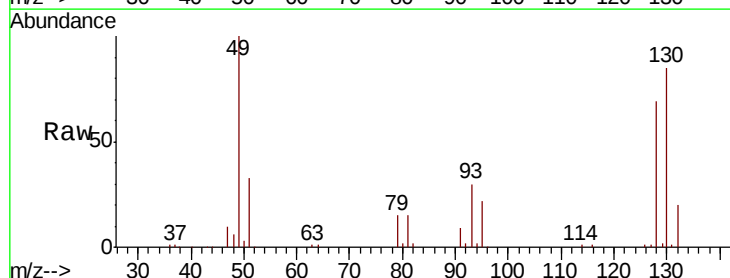
Ion Ratio Lower Upper

128 100

49 144.4 97.9 181.9

130 122.3 90.9 168.9

51 47.3 35.9 53.9



Abundance Ion 128.00 (127.70 to 128.70): VU041801.D (-1042) (-)

Ion 49.00 (48.70 to 49.70): VU041801.D (-1042) (-)

Ion 130.00 (129.70 to 130.70): VU041801.D (-1042) (-)

Ion 51.00 (50.70 to 51.70): VU041801.D (-1042) (-)

80000

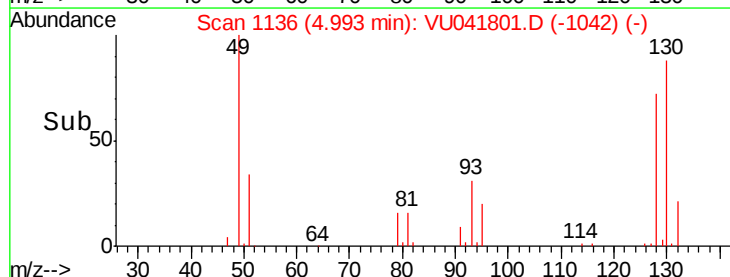
60000

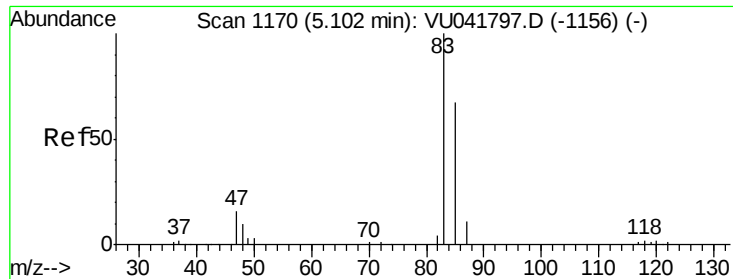
40000

20000

0

Time--> 4.90 4.95 5.00 5.05

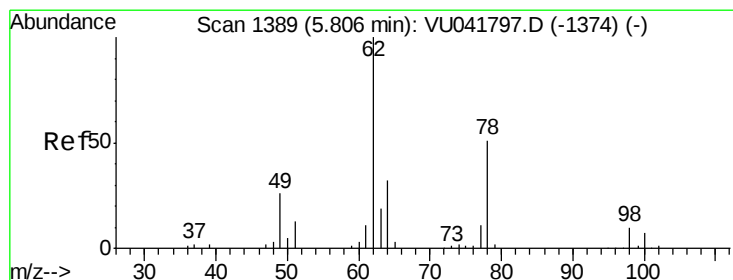
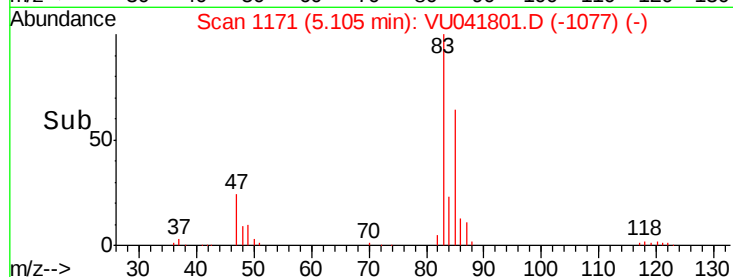
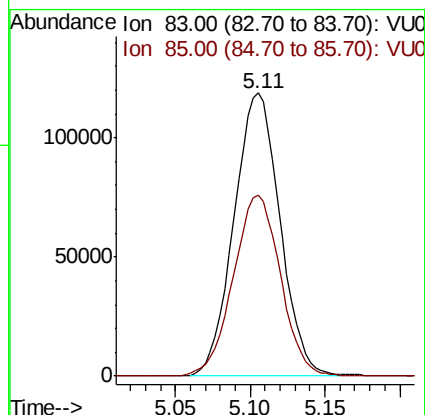
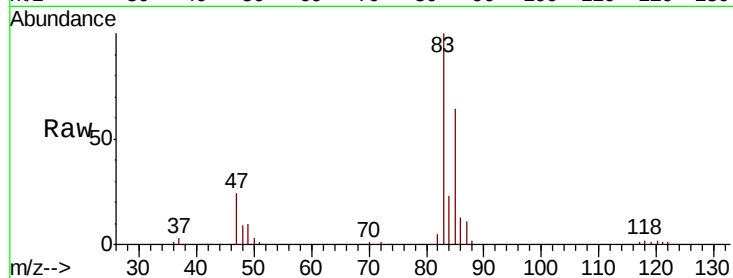




#25
Chloroform
Concen: 55.751 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041801.D
Acq: 24 Dec 2020 11:51

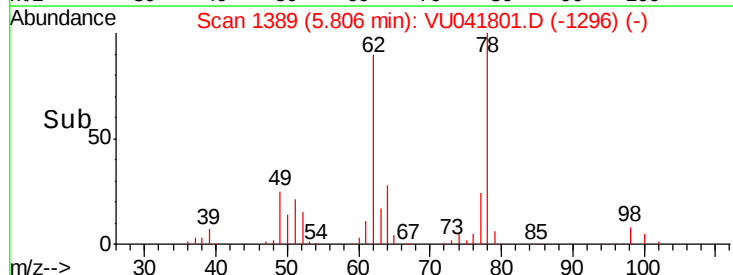
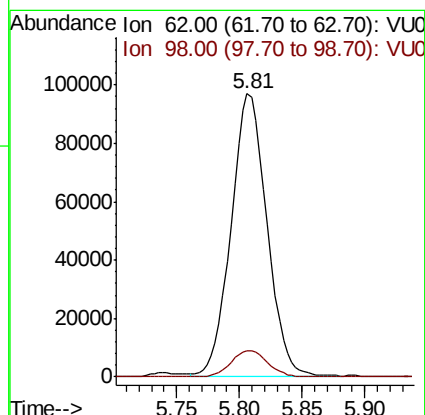
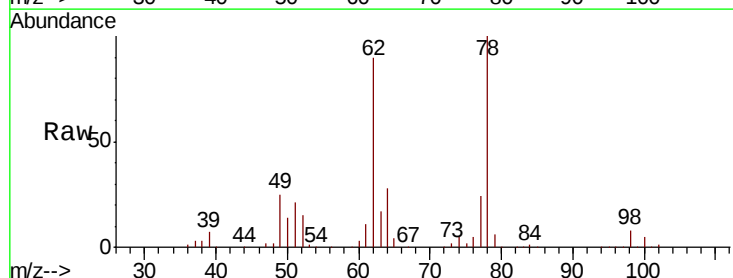
Instrument :
MSVOA_U
ClientSampleId :
VSTD050208

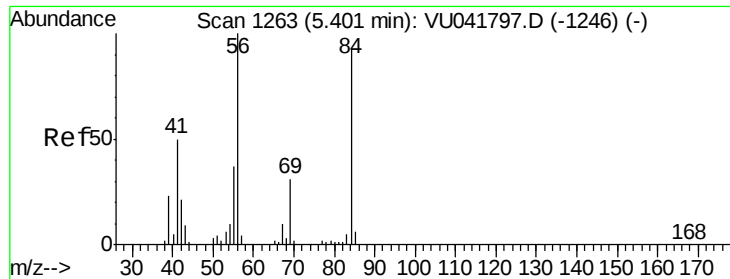
Tot Ion: 83 Resp: 254592
Ion Ratio Lower Upper
83 100
85 64.0 45.4 84.4



#27
1,2-Dichloroethane
Concen: 53.950 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VU041801.D
Acq: 24 Dec 2020 11:51

Tgt Ion: 62 Resp: 192245
Ion Ratio Lower Upper
62 100
98 9.1 7.1 10.7

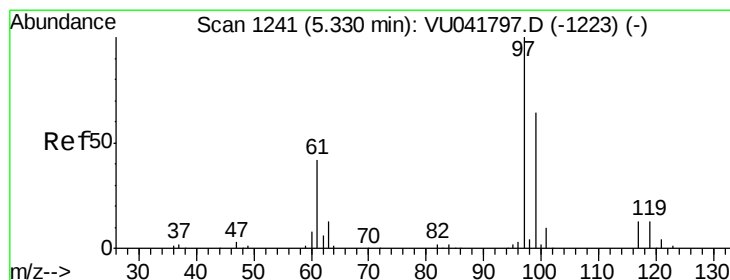
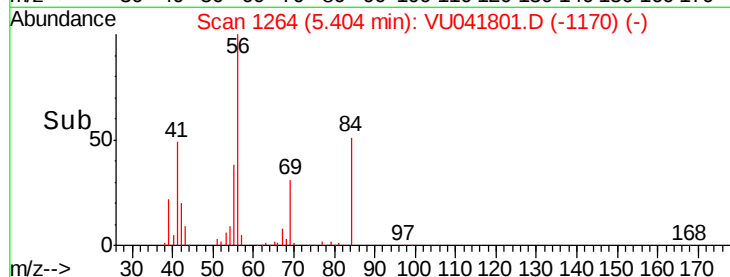
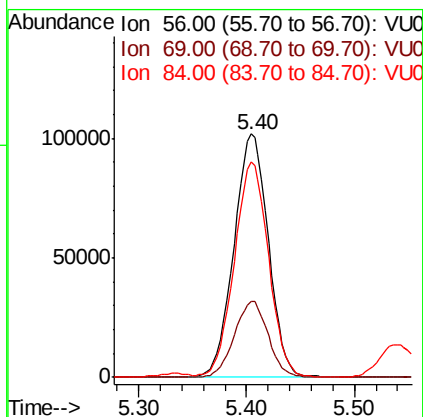
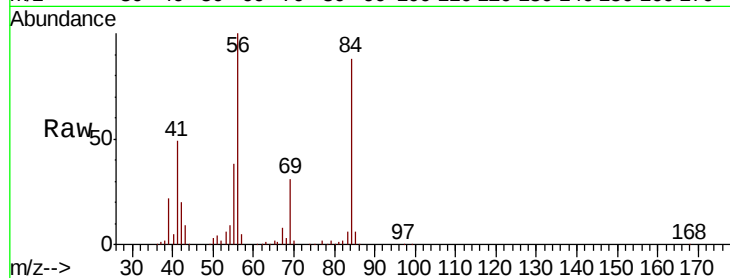




#29
Cyclohexane
Concen: 61.392 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VU041801.D
Acq: 24 Dec 2020 11:51

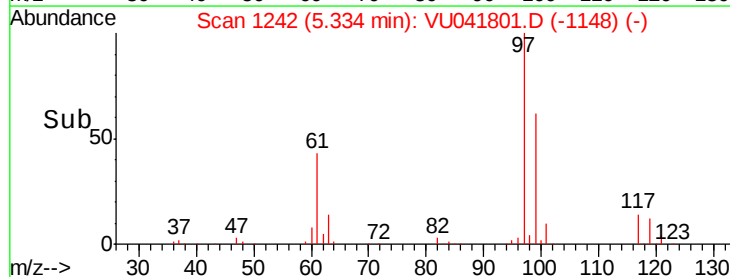
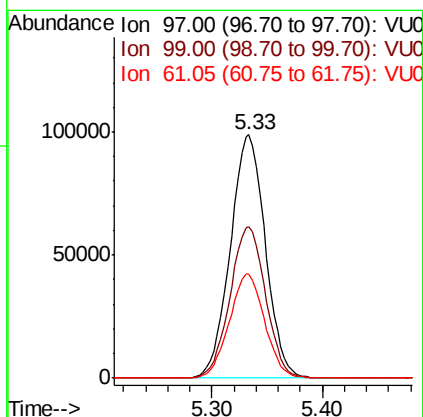
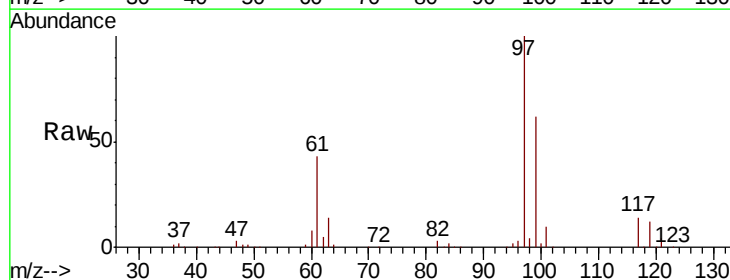
Instrument :
MSVOA_U
ClientSampleId :
VSTD050208

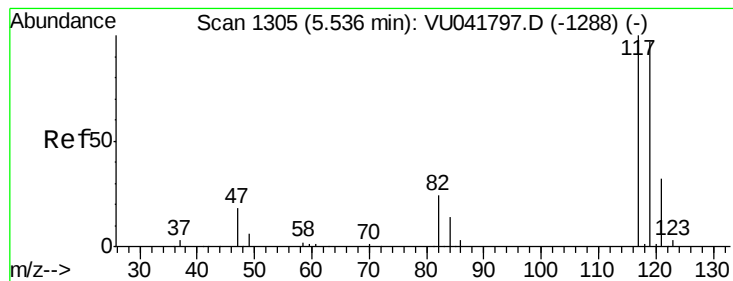
Tot Ion: 56 Resp: 226099
Ion Ratio Lower Upper
56 100
69 30.7 25.0 37.6
84 87.5 72.6 109.0



#30
1,1,1-Trichloroethane
Concen: 54.782 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU041801.D
Acq: 24 Dec 2020 11:51

Tgt Ion: 97 Resp: 217709
Ion Ratio Lower Upper
97 100
99 63.2 50.9 76.3
61 43.3 33.4 50.0





#31

Carbon tetrachloride

Concen: 54.602 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041801.D

Acq: 24 Dec 2020 11:51

Instrument :

MSVOA_U

ClientSampleId :

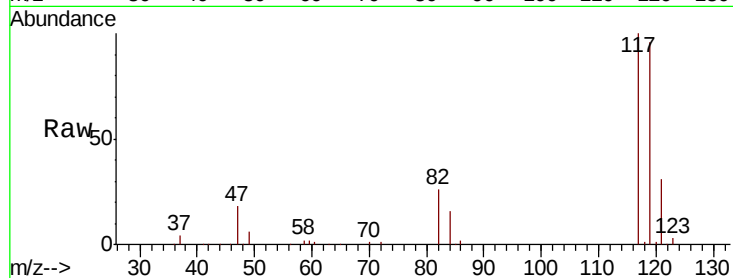
VSTD050208

Tot Ion:117 Resp: 189341

Ion Ratio Lower Upper

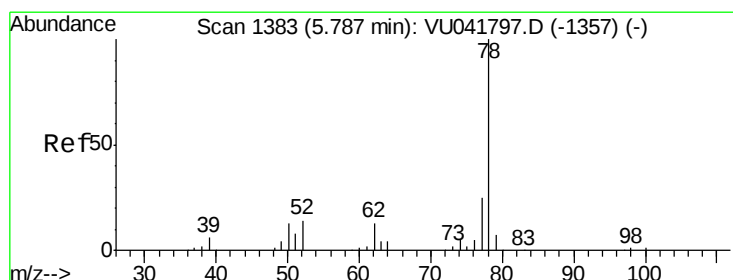
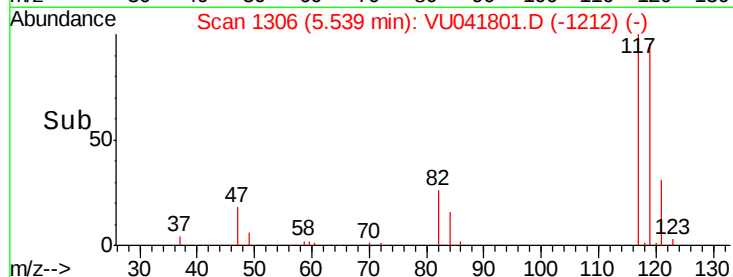
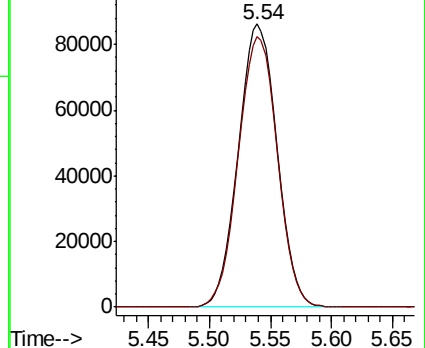
117 100

119 96.3 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 56.552 ug/L

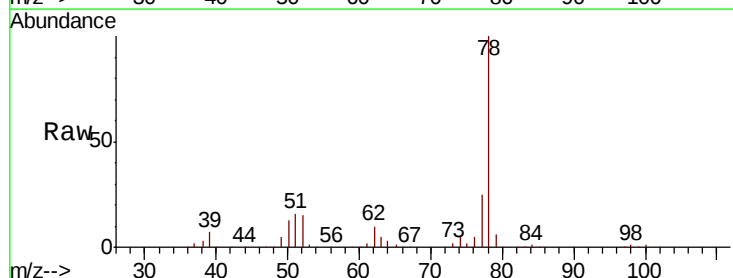
RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

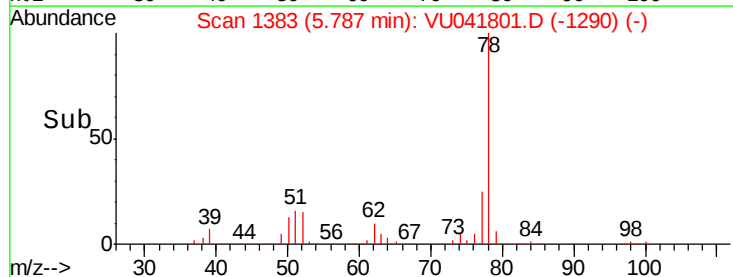
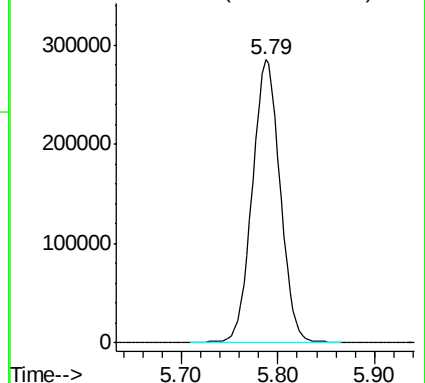
Lab File: VU041801.D

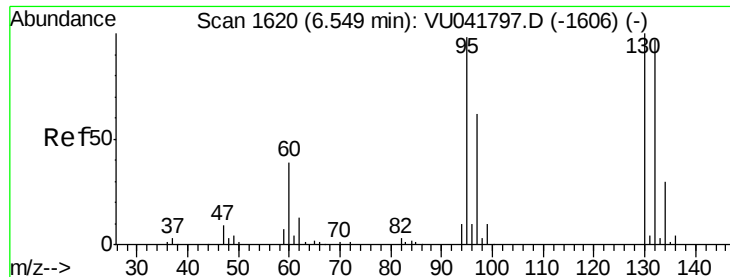
Acq: 24 Dec 2020 11:51

Tgt Ion: 78 Resp: 572525



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 50.253 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041801.D

Acq: 24 Dec 2020 11:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD050208

Tot Ion: 95 Resp: 131814

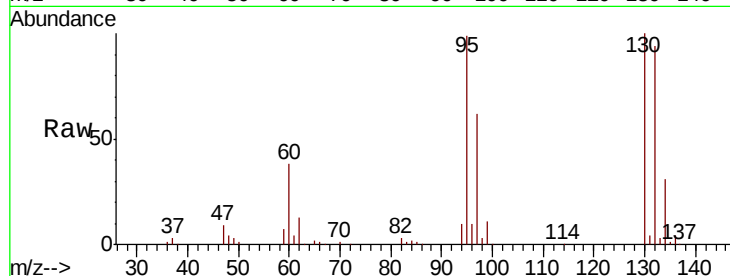
Ion Ratio Lower Upper

95 100

97 63.1 44.5 82.7

132 95.4 66.7 123.9

130 101.5 72.5 134.7

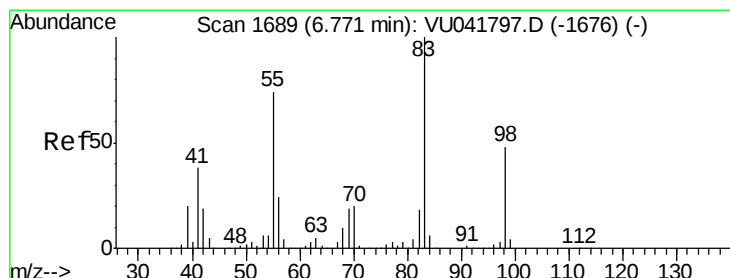
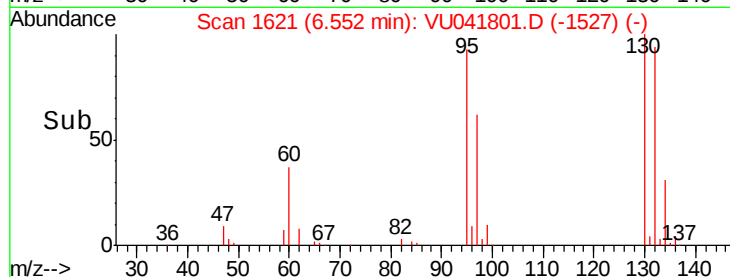
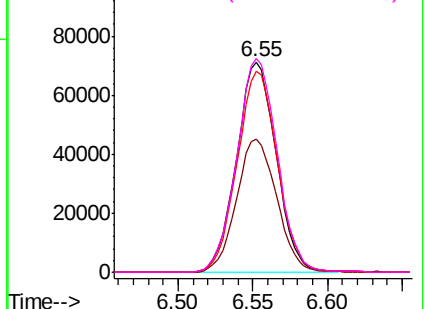


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 52.222 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU041801.D

Acq: 24 Dec 2020 11:51

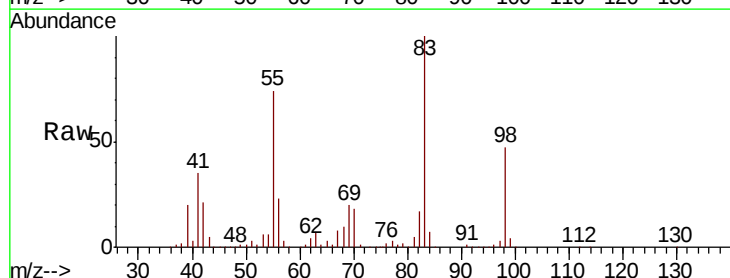
Tgt Ion: 83 Resp: 217180

Ion Ratio Lower Upper

83 100

55 73.1 57.8 86.6

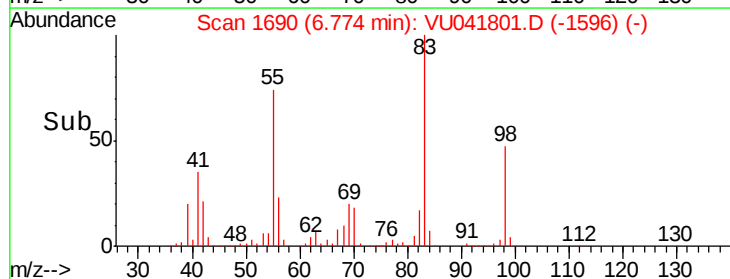
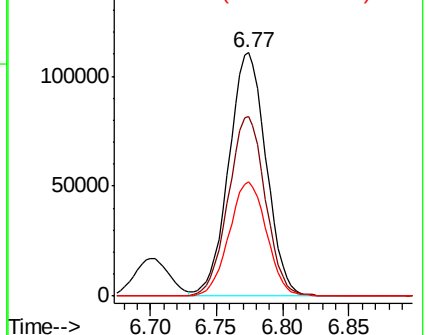
98 47.0 37.7 56.5

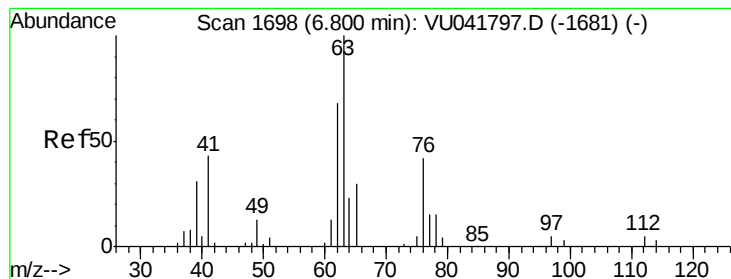


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 51.360 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU041801.D

Acq: 24 Dec 2020 11:51

Instrument :

MSVOA_U

ClientSampleId :

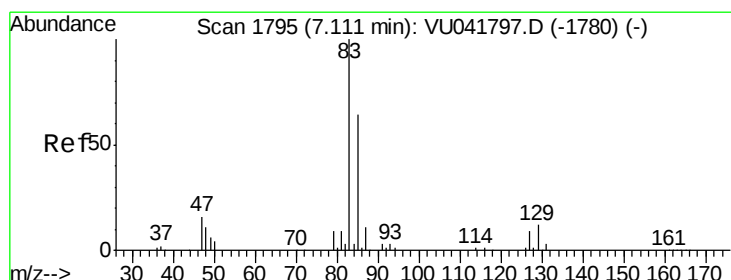
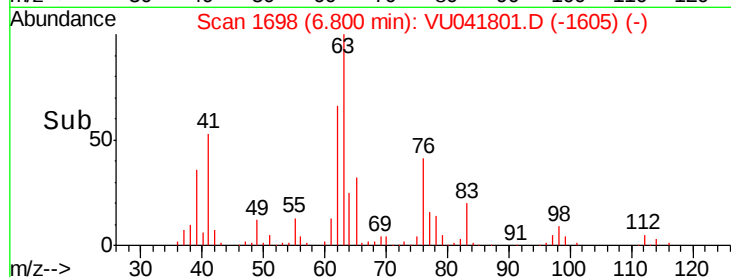
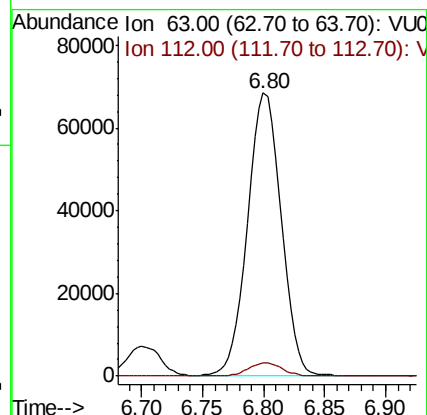
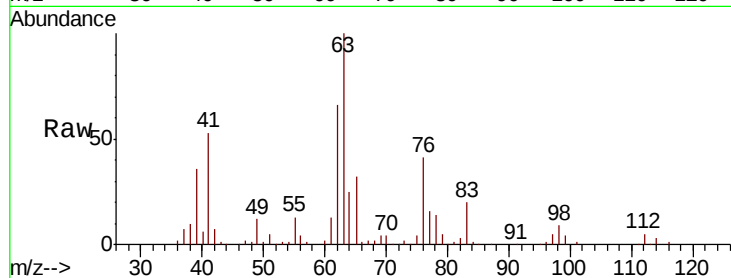
VSTD050208

Tot Ion: 63 Resp: 130616

Ion Ratio Lower Upper

63 100

112 4.8 3.5 5.3



#38

Bromodichloromethane

Concen: 49.938 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU041801.D

Acq: 24 Dec 2020 11:51

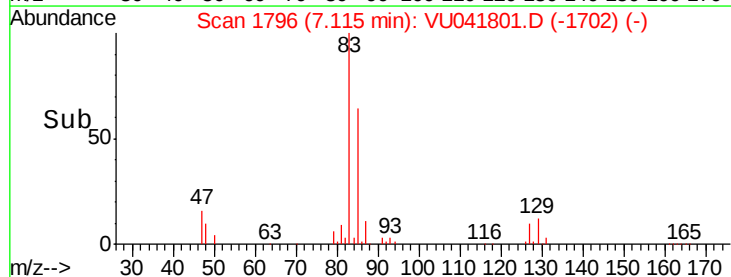
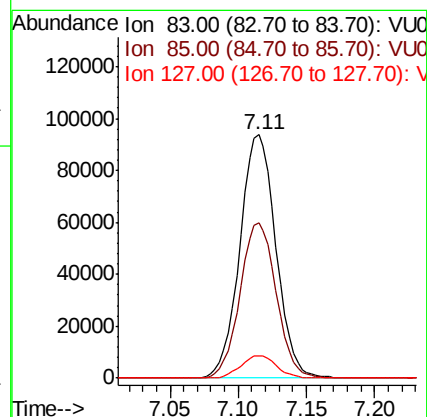
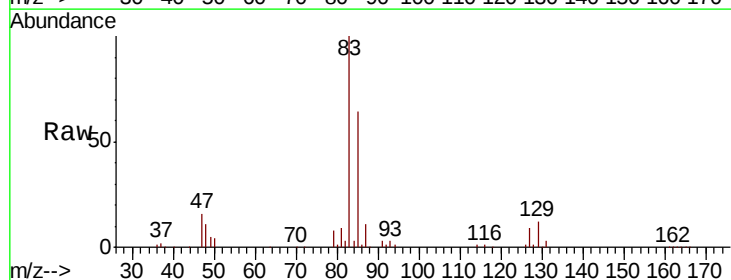
Tgt Ion: 83 Resp: 171945

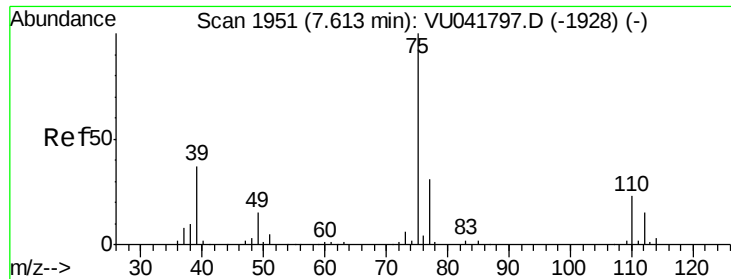
Ion Ratio Lower Upper

83 100

85 63.5 45.9 85.3

127 9.4 7.5 11.3

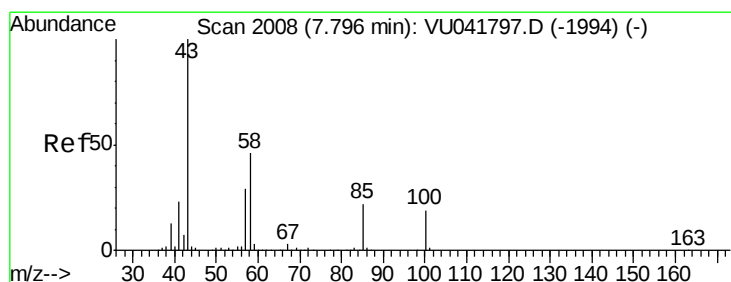
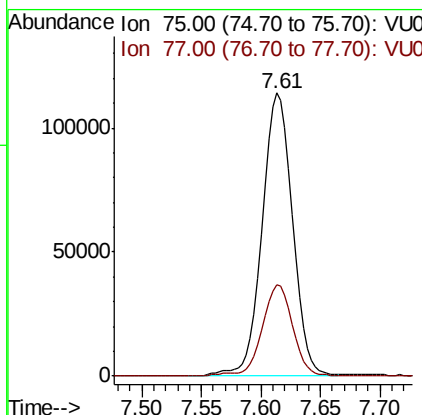
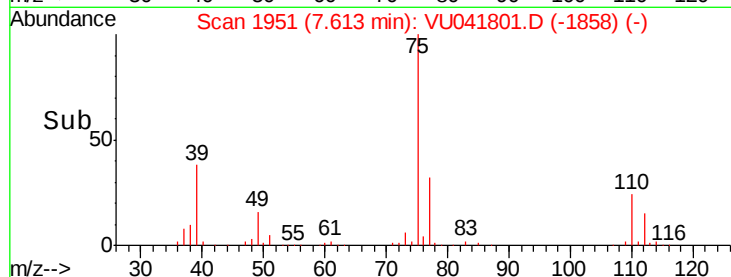
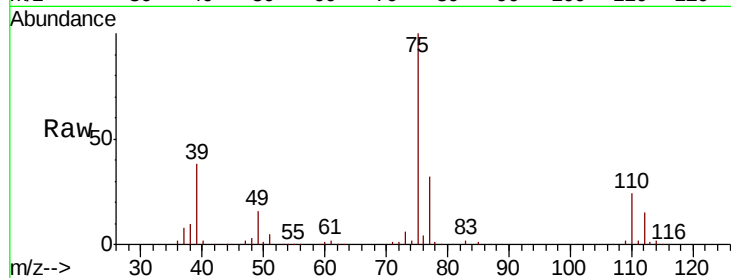




#39
 cis-1,3-Dichloropropene
 Concen: 50.088 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041801.D
 Acq: 24 Dec 2020 11:51

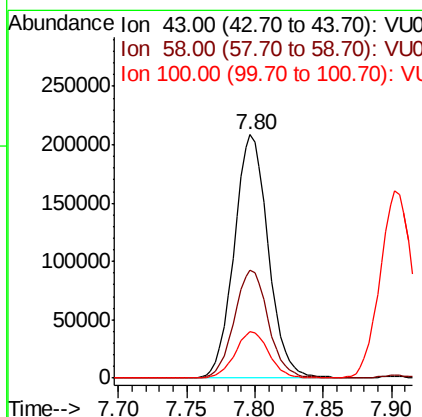
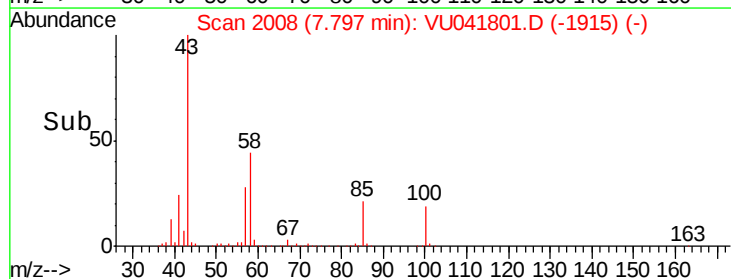
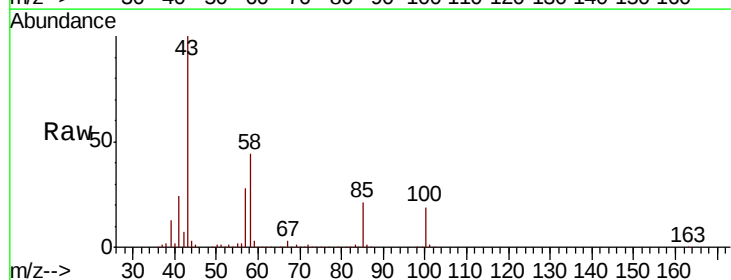
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050208

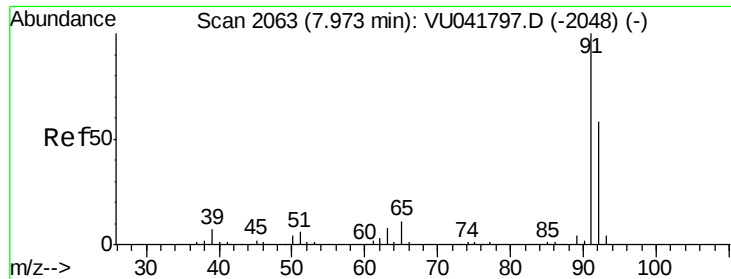
Tot Ion: 75 Resp: 203011
 Ion Ratio Lower Upper
 75 100
 77 32.3 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 97.097 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: VU041801.D
 Acq: 24 Dec 2020 11:51

Tgt Ion: 43 Resp: 362567
 Ion Ratio Lower Upper
 43 100
 58 44.5 36.1 54.1
 100 19.0 14.9 22.3





#42

Toluene

Concen: 51.893 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041801.D

Acq: 24 Dec 2020 11:51

Instrument :

MSVOA_U

ClientSampleId :

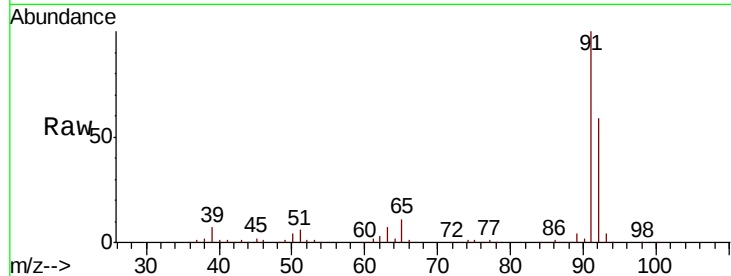
VSTD050208

Tot Ion: 91 Resp: 554701

Ion Ratio Lower Upper

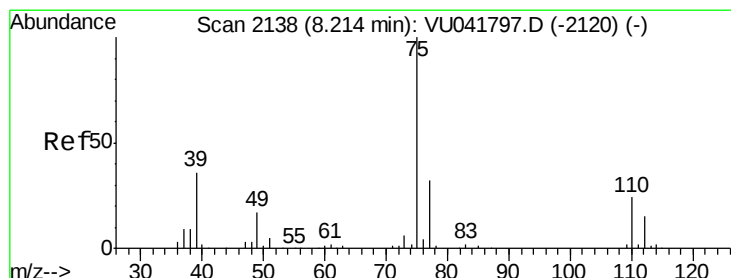
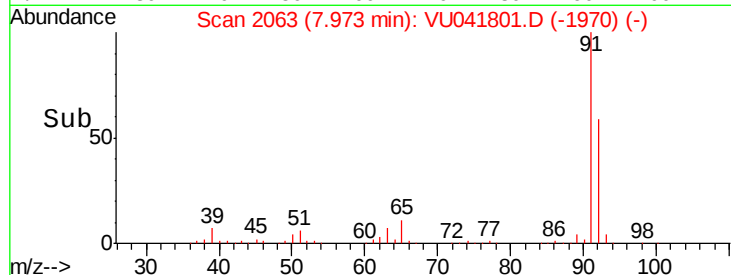
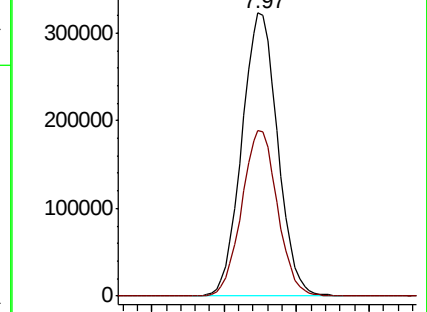
91 100

92 58.7 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 50.830 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041801.D

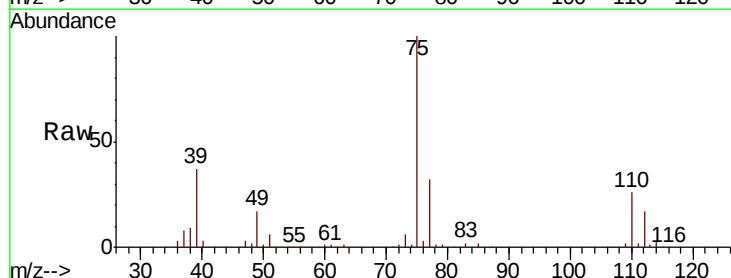
Acq: 24 Dec 2020 11:51

Tgt Ion: 75 Resp: 199663

Ion Ratio Lower Upper

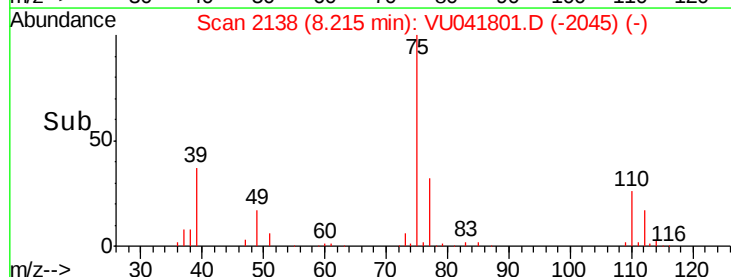
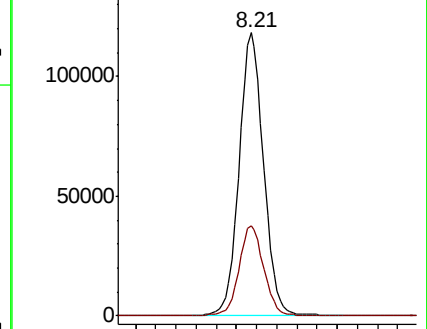
75 100

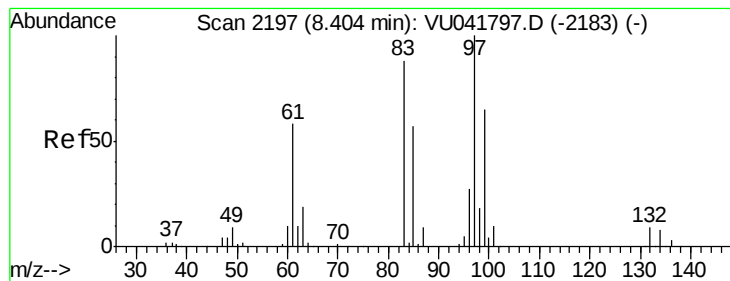
77 31.9 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#45

1,1,2-Trichloroethane

Concen: 50.244 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU041801.D

Acq: 24 Dec 2020 11:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD050208

Tot Ion: 97 Resp: 129271

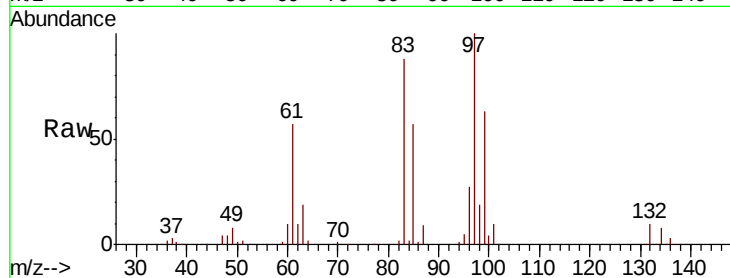
Ion Ratio Lower Upper

97 100

99 63.5 43.3 80.3

83 87.5 61.4 114.0

85 56.8 40.0 74.4

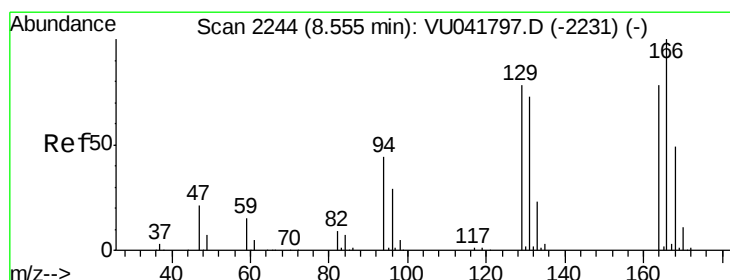
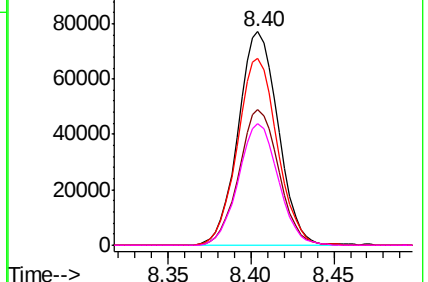
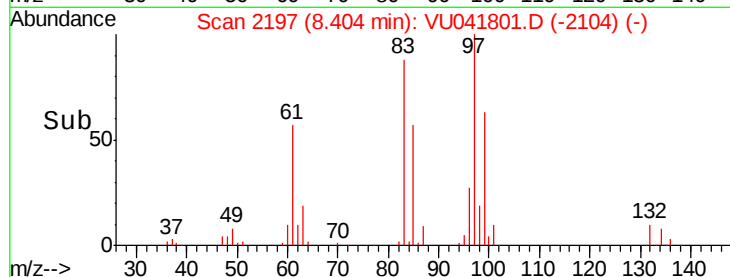


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 50.248 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041801.D

Acq: 24 Dec 2020 11:51

Tgt Ion:164 Resp: 102294

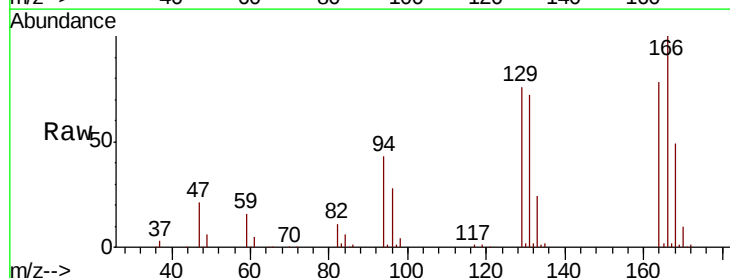
Ion Ratio Lower Upper

164 100

129 97.8 64.5 119.9

131 91.7 62.5 116.1

166 127.9 87.5 162.5

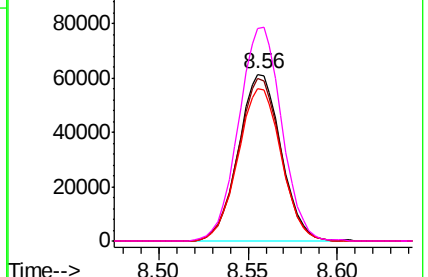
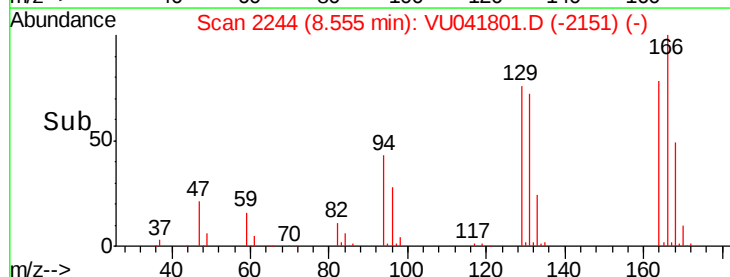


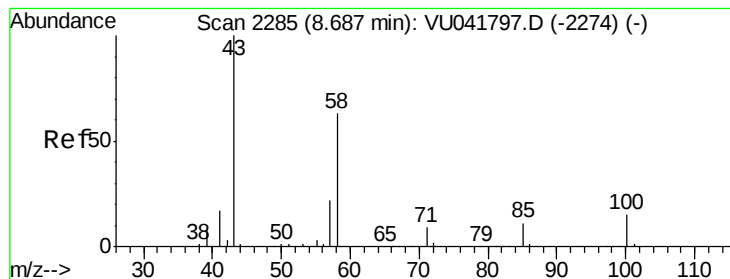
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 99.001 ug/L

RT: 8.69 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VU041801.D

Acq: 24 Dec 2020 11:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD050208

Tot Ion: 43 Resp: 300366

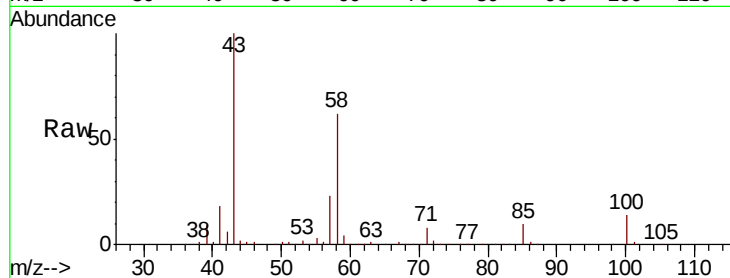
Ion Ratio Lower Upper

43 100

58 62.0 50.4 75.6

57 21.7 17.9 26.9

100 14.8 11.9 17.9

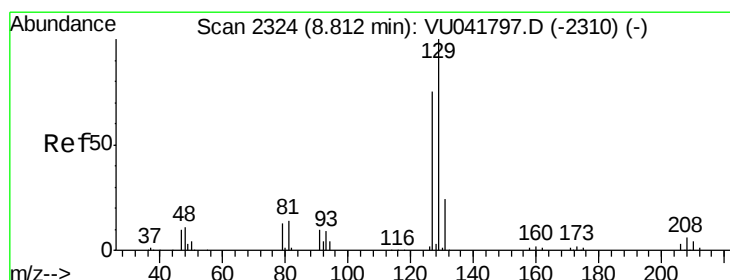
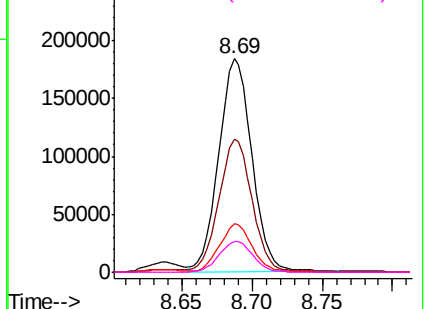
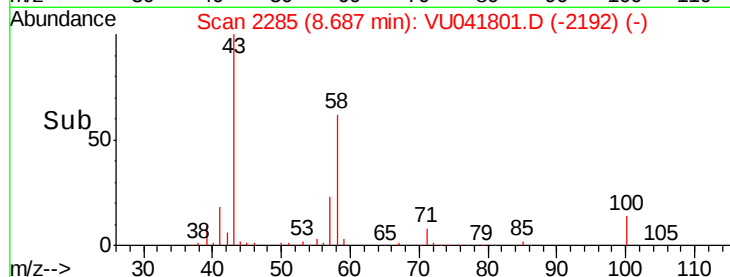


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#49

Dibromochloromethane

Concen: 51.102 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. 0.00 min

Lab File: VU041801.D

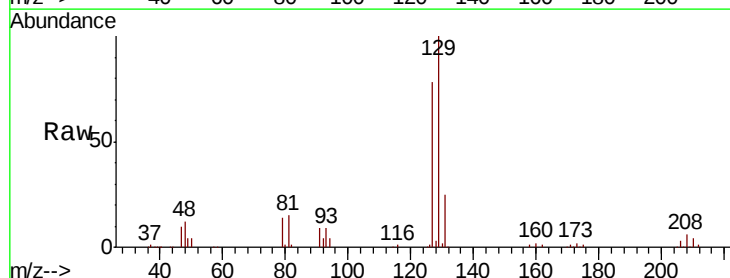
Acq: 24 Dec 2020 11:51

Tgt Ion: 129 Resp: 142368

Ion Ratio Lower Upper

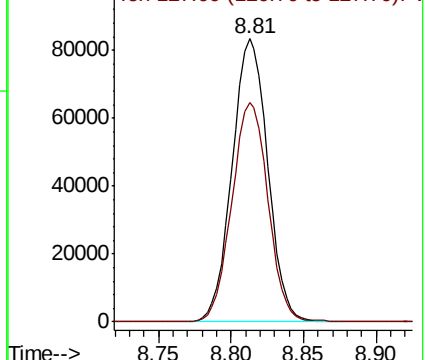
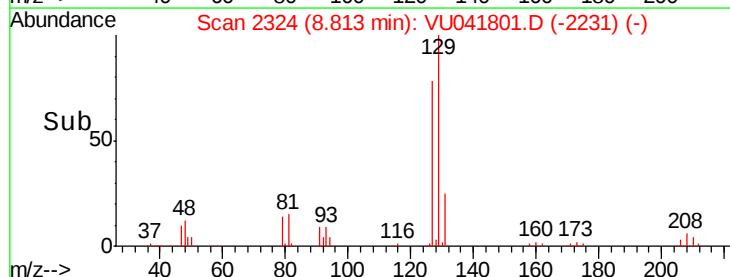
129 100

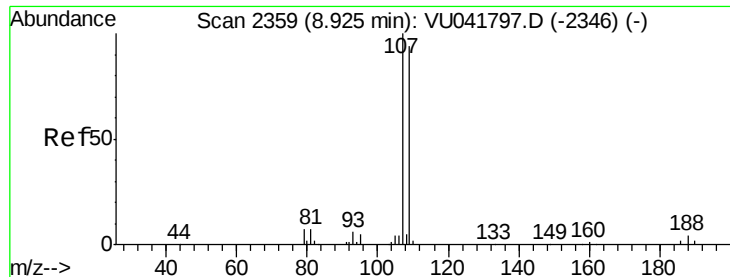
127 77.6 56.6 105.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#50

1,2-Dibromoethane

Concen: 52.198 ug/L

RT: 8.93 min Scan# 2359

Delta R.T. 0.00 min

Lab File: VU041801.D

Acq: 24 Dec 2020 11:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD050208

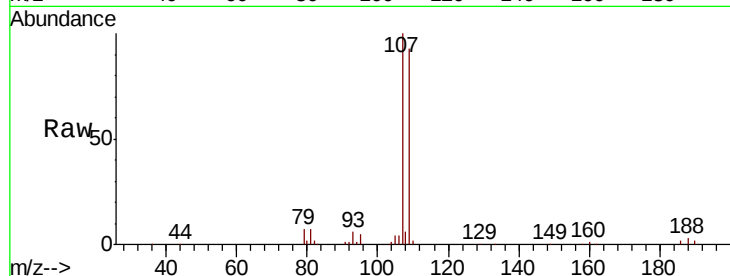
Tot Ion:107 Resp: 140193

Ion Ratio Lower Upper

107 100

109 92.5 65.7 122.1

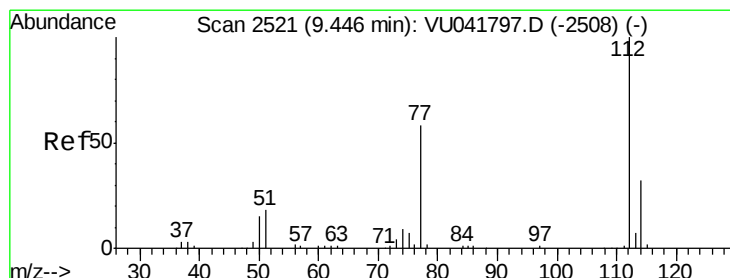
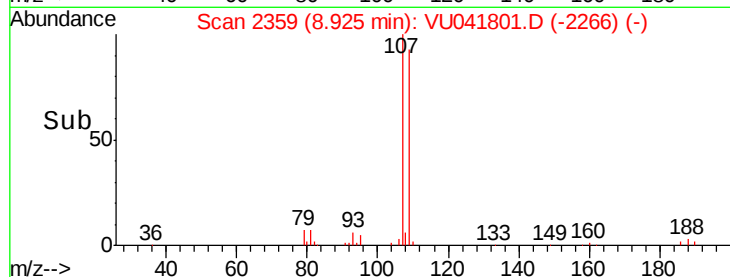
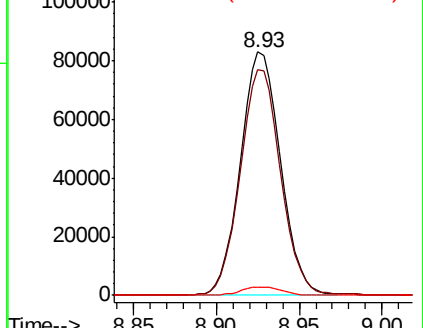
188 3.3 2.9 4.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 51.474 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU041801.D

Acq: 24 Dec 2020 11:51

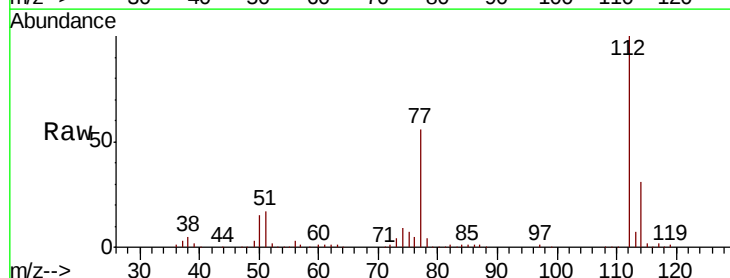
Tgt Ion:112 Resp: 351435

Ion Ratio Lower Upper

112 100

114 31.4 22.0 41.0

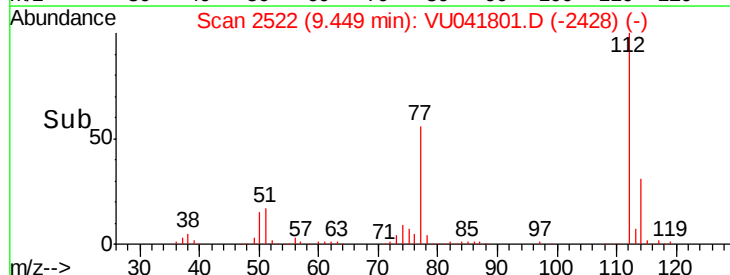
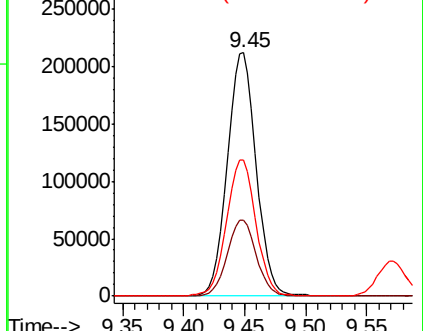
77 55.8 46.0 69.0

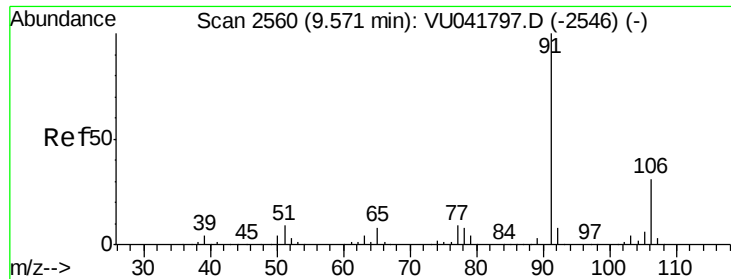


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0

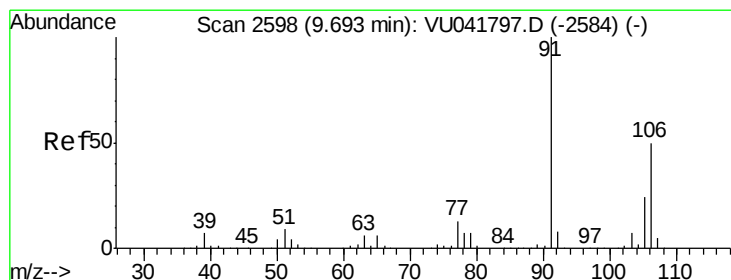
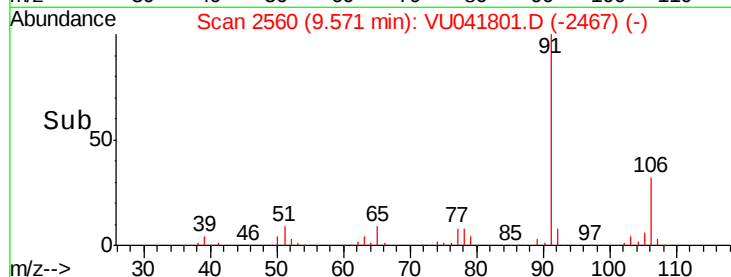
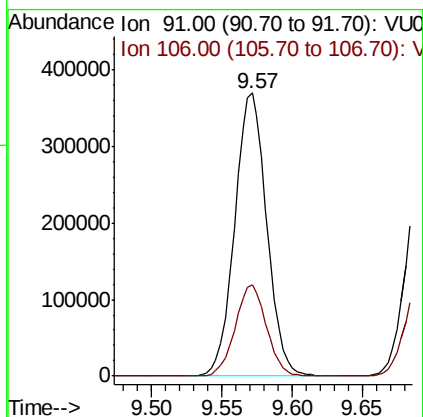
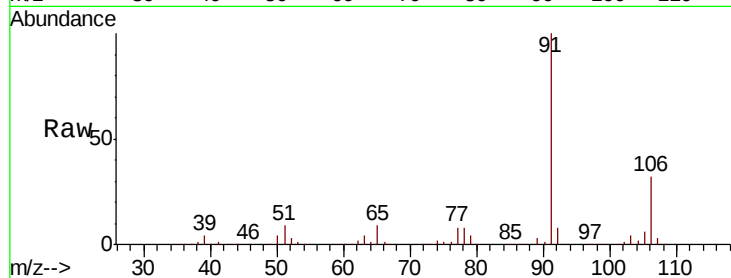




#52
Ethylbenzene
Concen: 52.176 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU041801.D
Acq: 24 Dec 2020 11:51

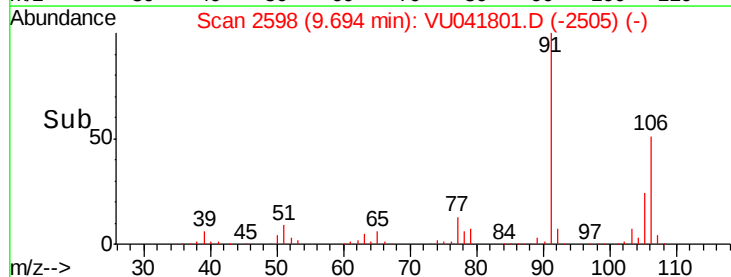
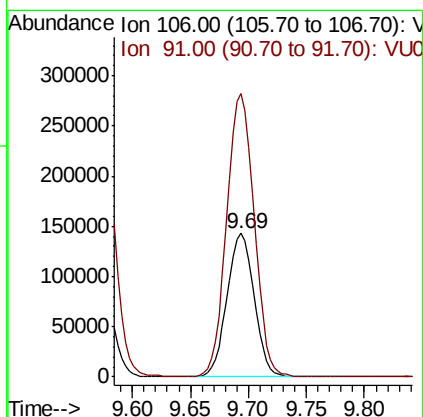
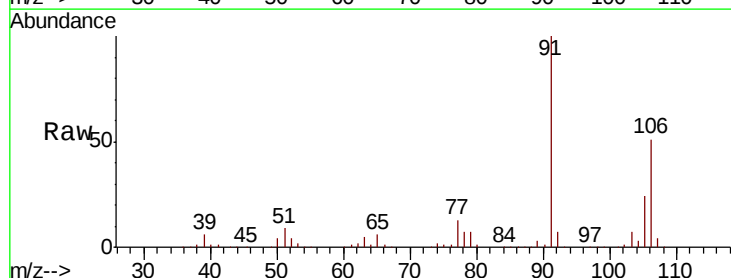
Instrument :
MSVOA_U
ClientSampleId :
VSTD050208

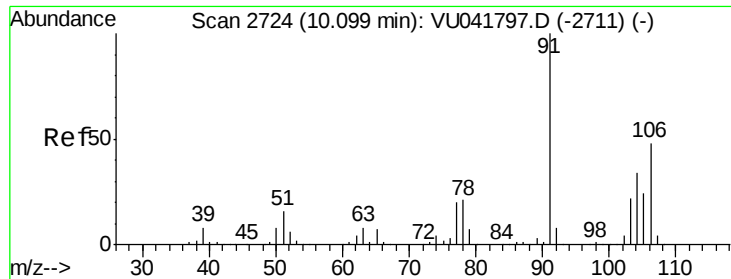
Tot Ion: 91 Resp: 587000
Ion Ratio Lower Upper
91 100
106 32.2 21.5 39.9



#53
m,p-Xylene
Concen: 53.506 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VU041801.D
Acq: 24 Dec 2020 11:51

Tgt Ion: 106 Resp: 231302
Ion Ratio Lower Upper
106 100
91 197.0 143.2 266.0

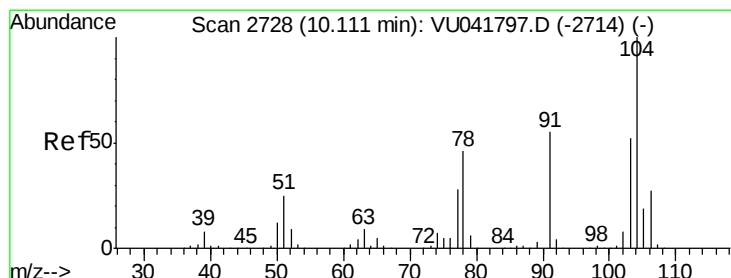
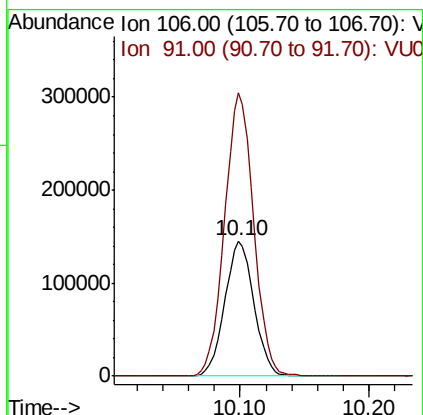
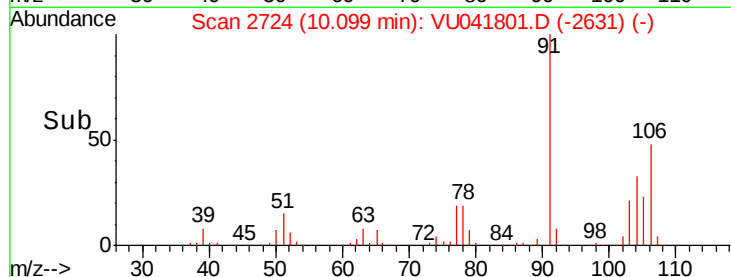
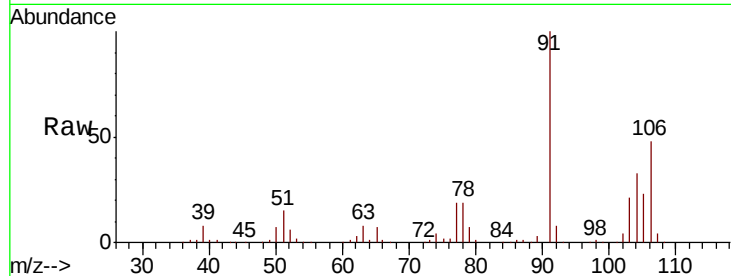




#54
o-xylene
Concen: 53.833 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041801.D
Acq: 24 Dec 2020 11:51

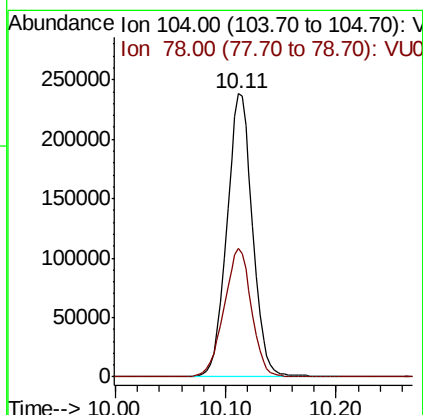
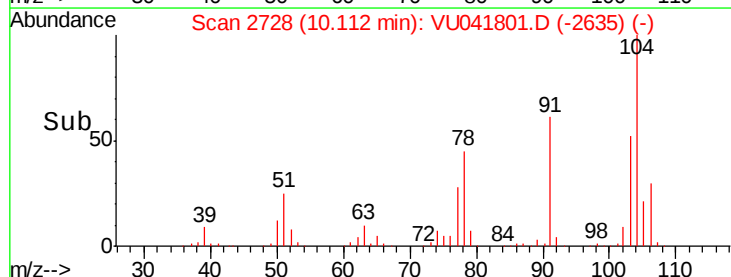
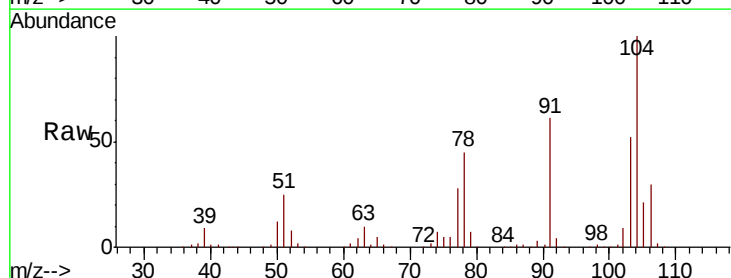
Instrument :
MSVOA_U
ClientSampleId :
VSTD050208

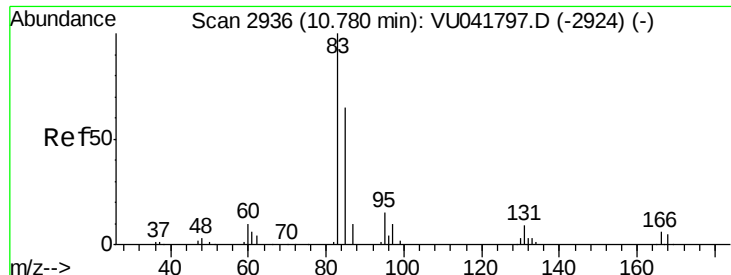
Tot Ion:106 Resp: 227194
Ion Ratio Lower Upper
106 100
91 209.5 147.2 273.4



#55
Styrene
Concen: 53.375 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. 0.00 min
Lab File: VU041801.D
Acq: 24 Dec 2020 11:51

Tgt Ion:104 Resp: 383150
Ion Ratio Lower Upper
104 100
78 45.3 33.1 61.5

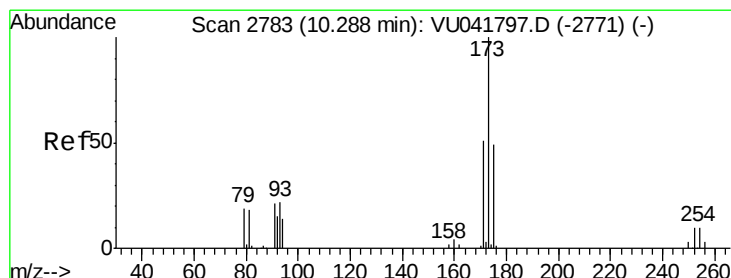
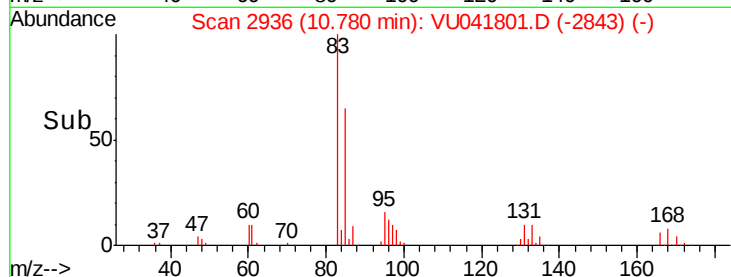
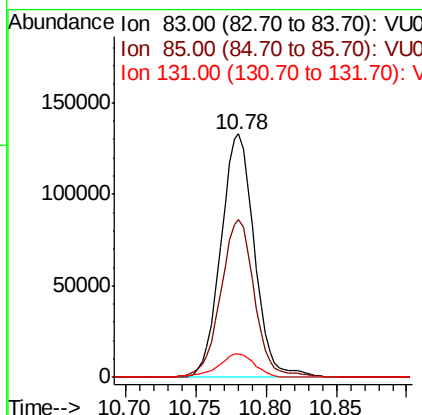
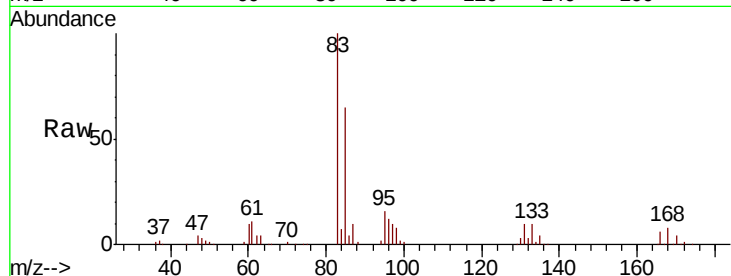




#57
 1,1,2,2-Tetrachloroethane
 Concen: 49.761 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. 0.00 min
 Lab File: VU041801.D
 Acq: 24 Dec 2020 11:51

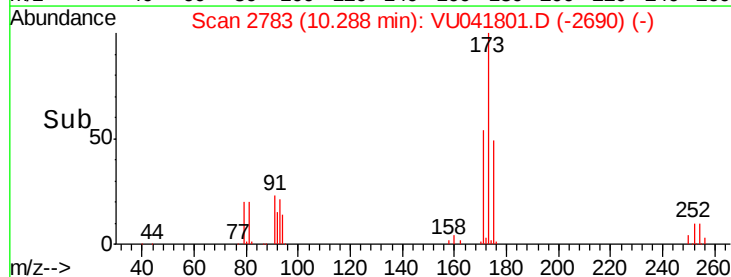
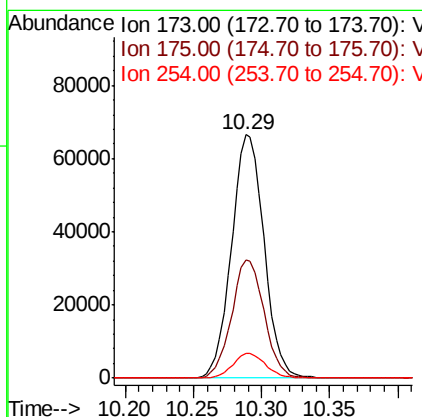
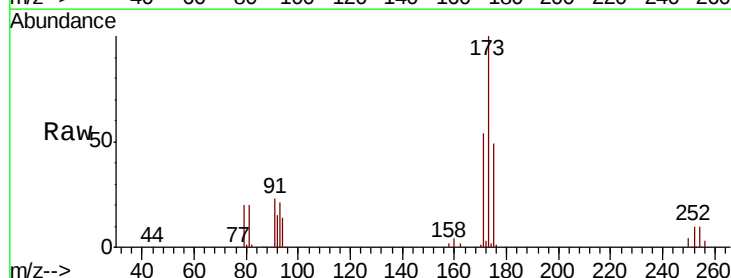
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050208

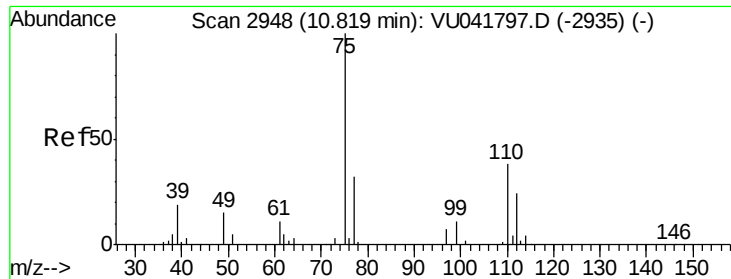
Tot Ion	83	Resp	220097
Ion Ratio	Lower	Upper	
83	100		
85	64.9	46.1	85.7
131	9.9	7.5	11.3



#59
 Bromoform
 Concen: 52.139 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. 0.00 min
 Lab File: VU041801.D
 Acq: 24 Dec 2020 11:51

Tgt Ion	173	Resp	110395
Ion Ratio	Lower	Upper	
173	100		
175	48.4	38.3	57.5
254	10.2	7.6	11.4

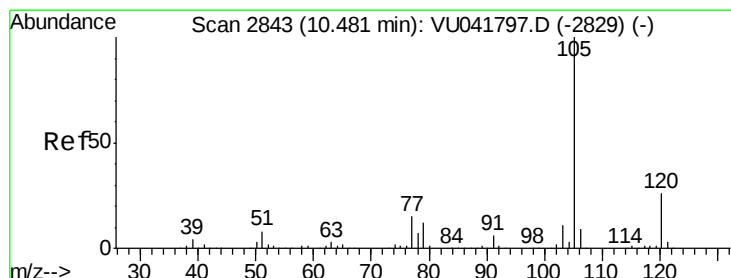
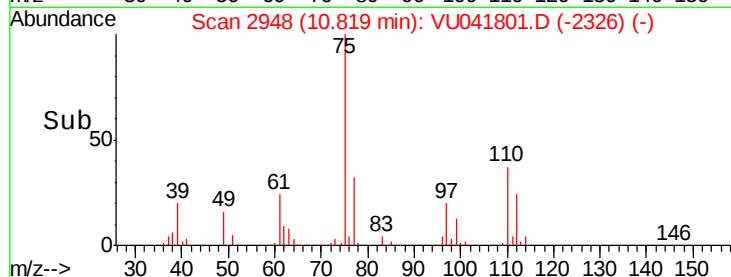
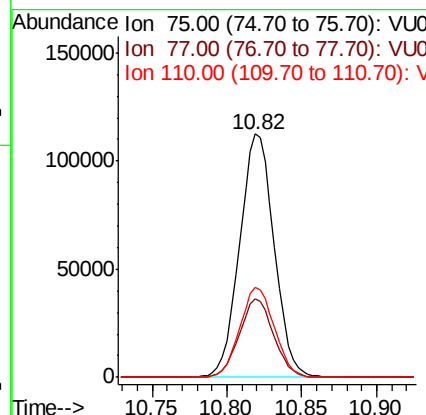
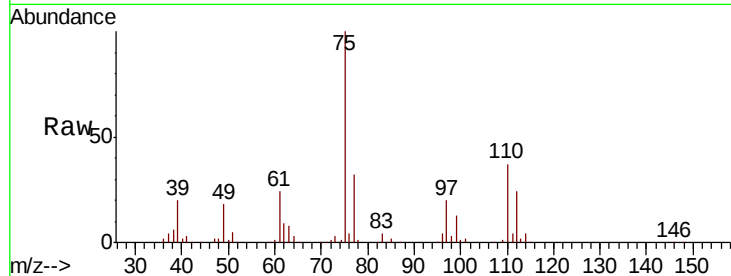




#60
1,2,3-Trichloropropane
Concen: 49.590 ug/L
RT: 10.82 min Scan# 2948
Delta R.T. 0.00 min
Lab File: VU041801.D
Acq: 24 Dec 2020 11:51

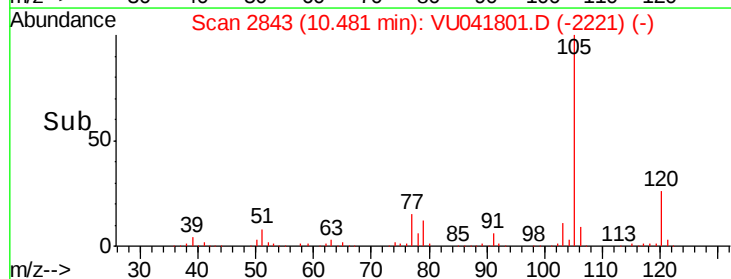
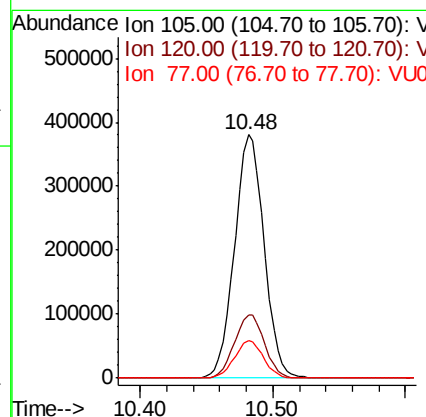
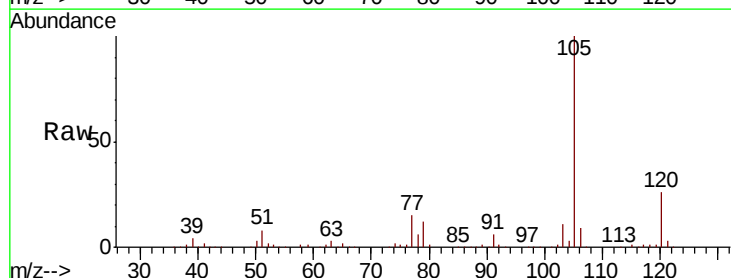
Instrument :
MSVOA_U
ClientSampleId :
VSTD050208

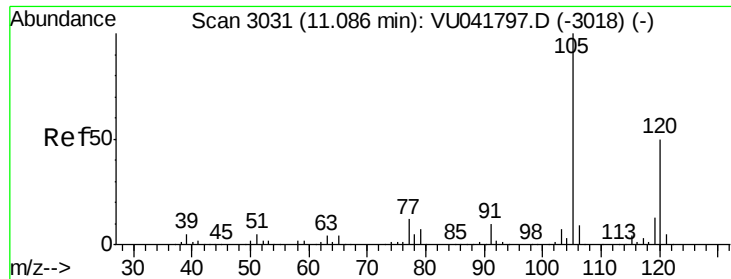
Tot Ion: 75 Resp: 180331
Ion Ratio Lower Upper
75 100
77 32.2 25.2 37.8
110 37.1 30.5 45.7



#61
Isopropylbenzene
Concen: 53.984 ug/L
RT: 10.48 min Scan# 2843
Delta R.T. 0.00 min
Lab File: VU041801.D
Acq: 24 Dec 2020 11:51

Tgt Ion: 105 Resp: 588373
Ion Ratio Lower Upper
105 100
120 26.5 20.7 31.1
77 15.2 12.6 18.8

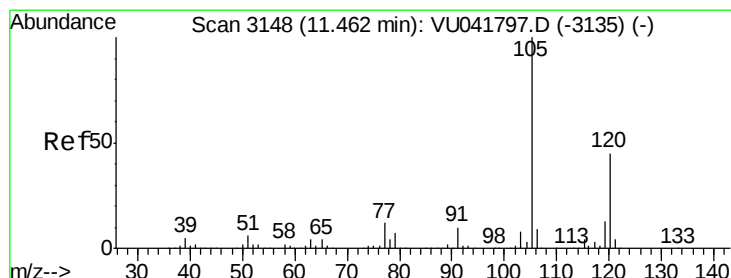
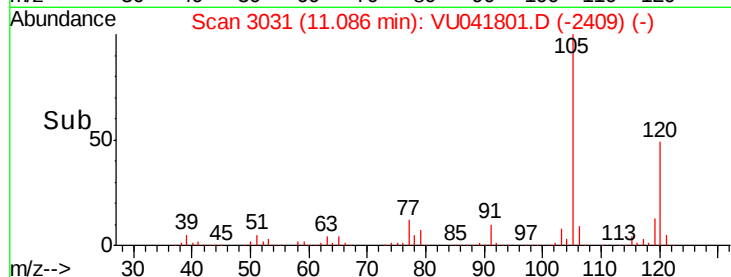
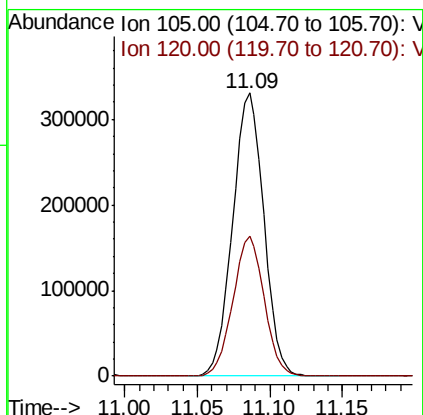
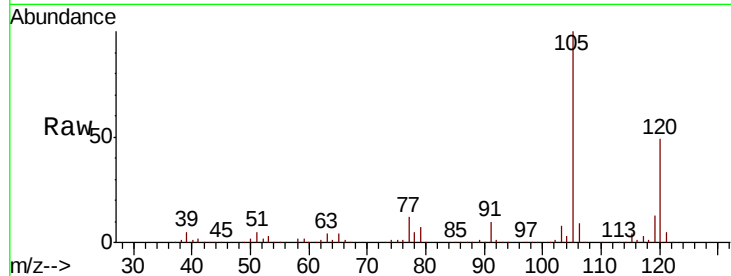




#62
 1,3,5-Trimethylbenzene
 Concen: 54.394 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU041801.D
 Acq: 24 Dec 2020 11:51

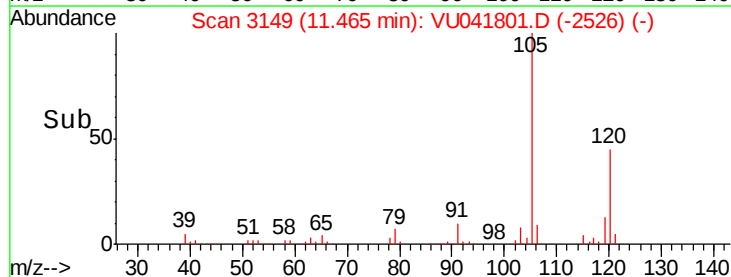
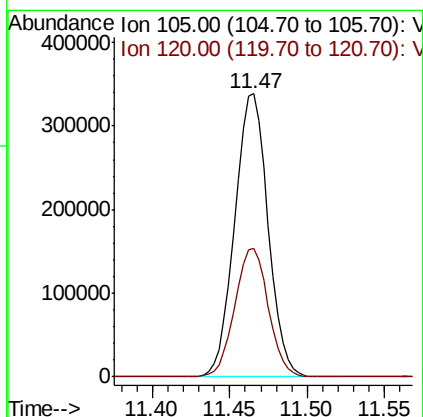
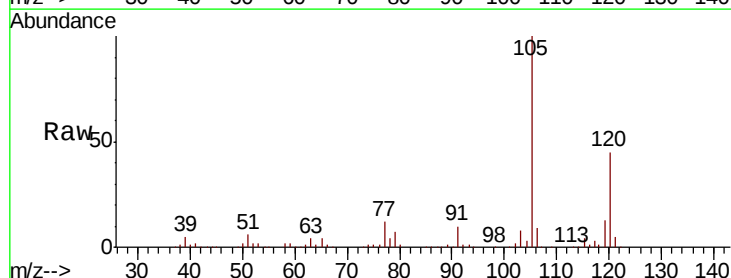
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050208

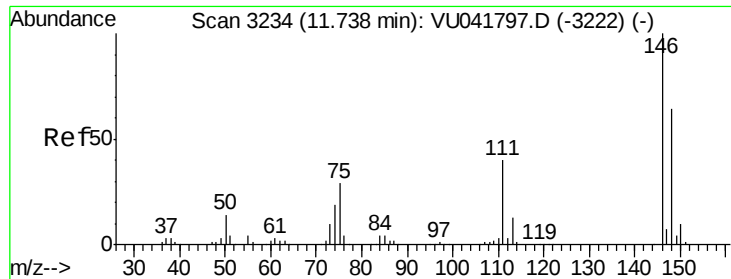
Tot Ion:105 Resp: 492794
 Ion Ratio Lower Upper
 105 100
 120 49.3 38.6 58.0



#63
 1,2,4-Trimethylbenzene
 Concen: 55.106 ug/L
 RT: 11.47 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: VU041801.D
 Acq: 24 Dec 2020 11:51

Tgt Ion:105 Resp: 505786
 Ion Ratio Lower Upper
 105 100
 120 45.8 36.5 54.7

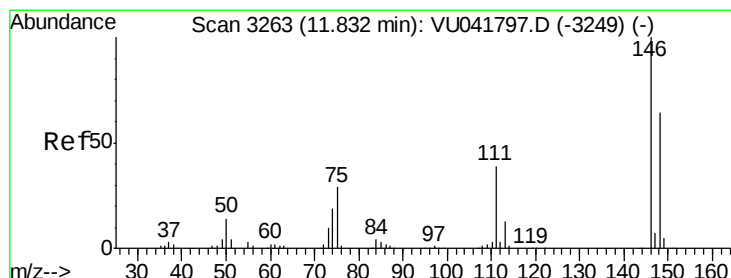
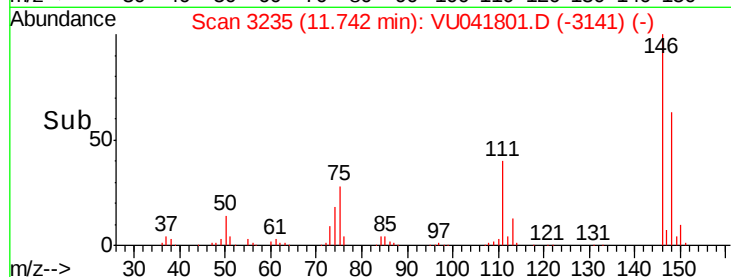
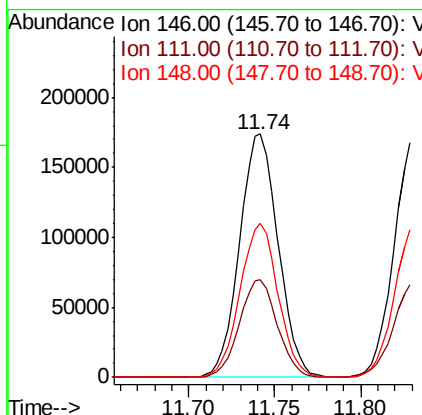
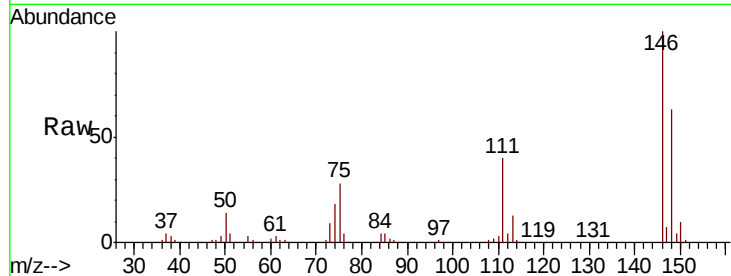




#64
 1,3-Dichlorobenzene
 Concen: 51.968 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041801.D
 Acq: 24 Dec 2020 11:51

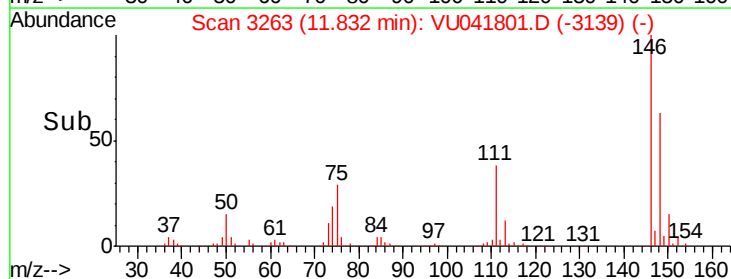
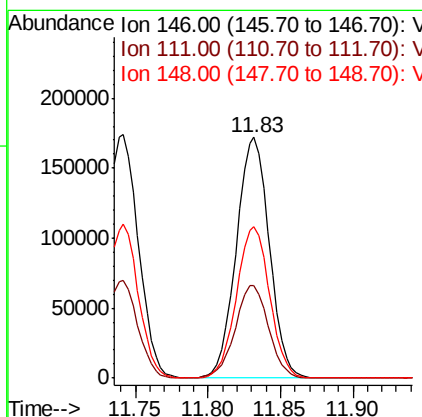
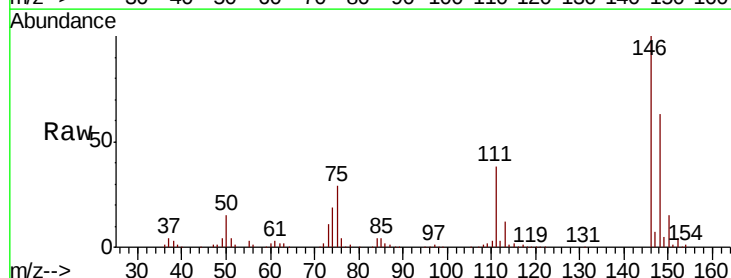
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050208

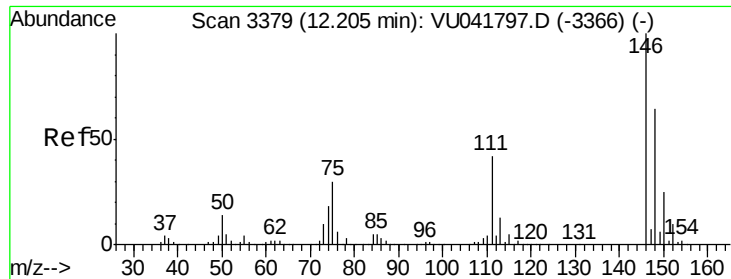
Tot Ion:146 Resp: 271281
 Ion Ratio Lower Upper
 146 100
 111 40.2 28.7 53.3
 148 63.0 45.5 84.5



#65
 1,4-Dichlorobenzene
 Concen: 51.618 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041801.D
 Acq: 24 Dec 2020 11:51

Tgt Ion:146 Resp: 271637
 Ion Ratio Lower Upper
 146 100
 111 38.2 28.1 52.1
 148 62.9 44.8 83.2

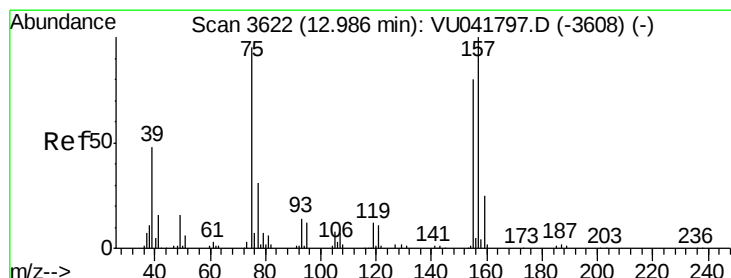
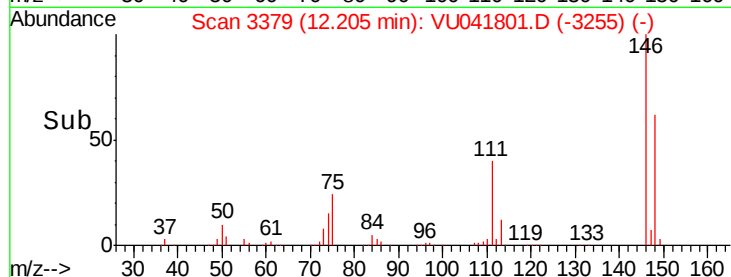
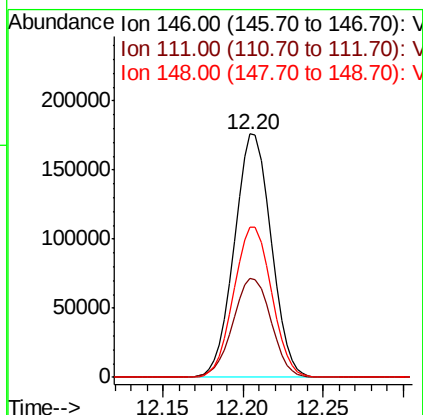
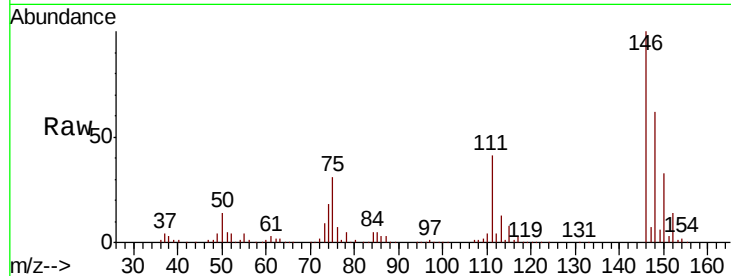




#67
 1,2-Dichlorobenzene
 Concen: 51.347 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. 0.00 min
 Lab File: VU041801.D
 Acq: 24 Dec 2020 11:51

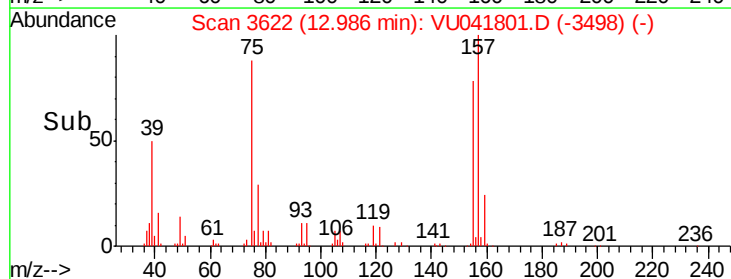
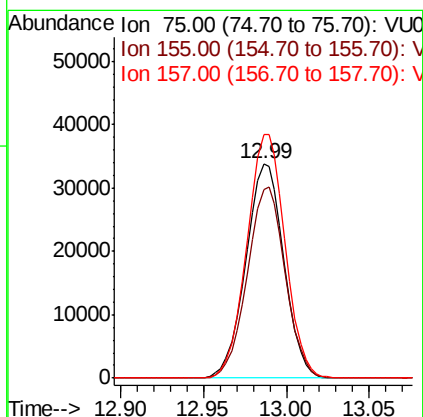
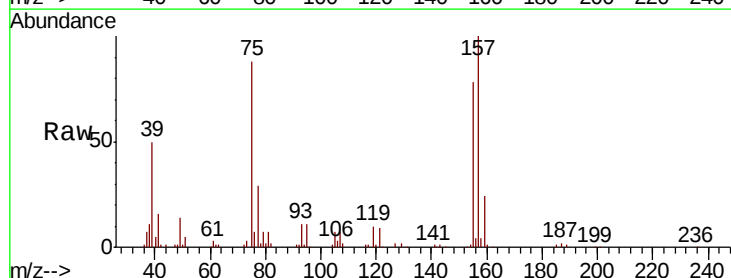
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050208

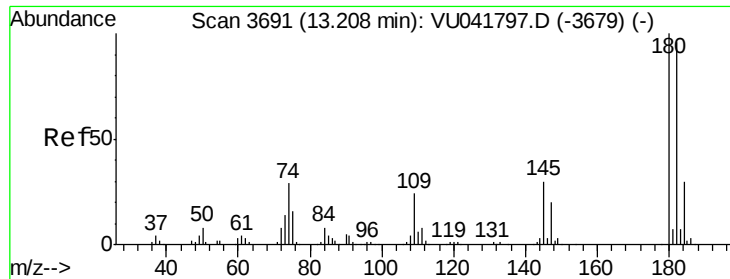
Tot Ion:146 Resp: 276382
 Ion Ratio Lower Upper
 146 100
 111 40.6 33.0 49.6
 148 61.9 50.0 75.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 47.536 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. 0.00 min
 Lab File: VU041801.D
 Acq: 24 Dec 2020 11:51

Tgt Ion: 75 Resp: 53978
 Ion Ratio Lower Upper
 75 100
 155 87.8 66.8 100.2
 157 113.3 85.5 128.3

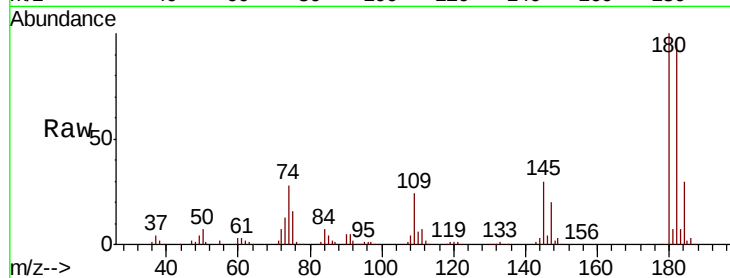




#69
 1,3,5-Trichlorobenzene
 Concen: 51.520 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041801.D
 Acq: 24 Dec 2020 11:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050208

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.1	115.7
184	30.2	23.9	35.9
145	29.5	23.8	35.6



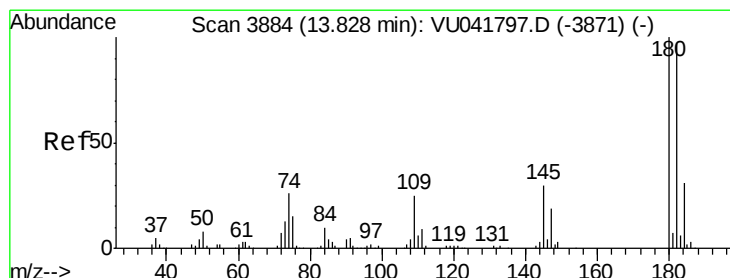
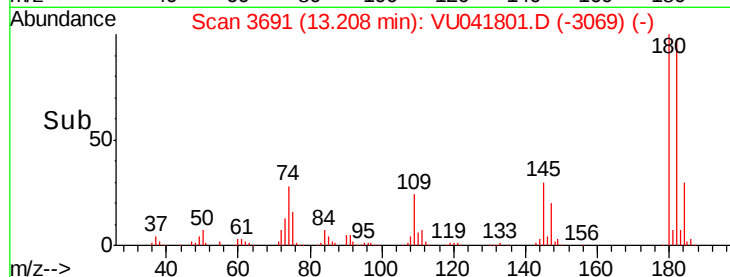
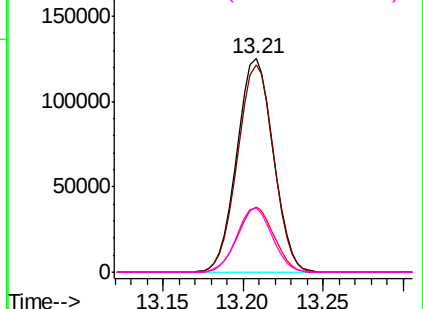
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

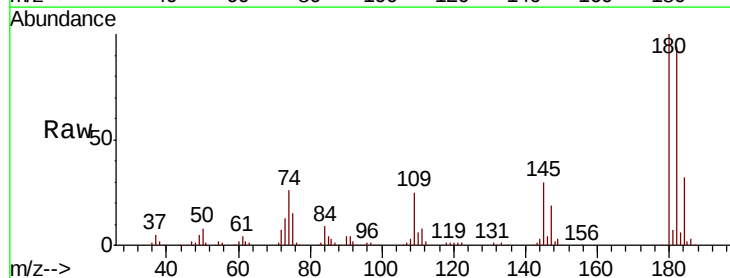
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 52.265 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041801.D
 Acq: 24 Dec 2020 11:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	75.9	113.9
145	30.0	24.1	36.1

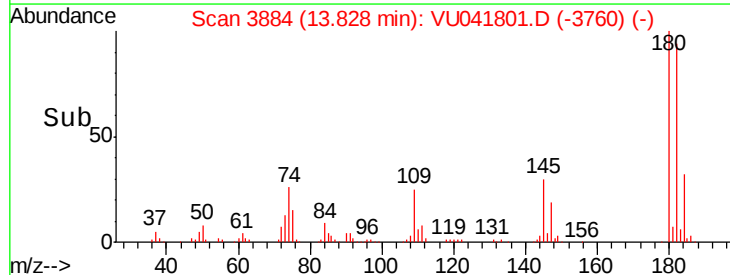
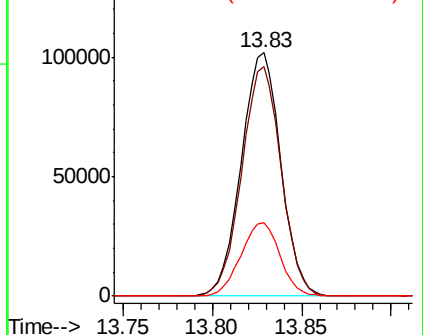


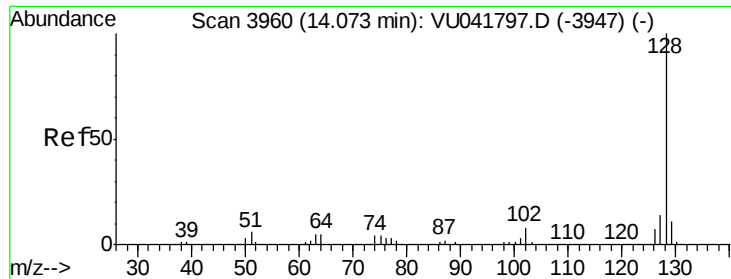
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

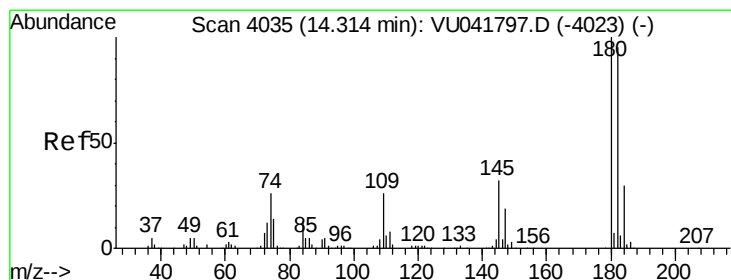
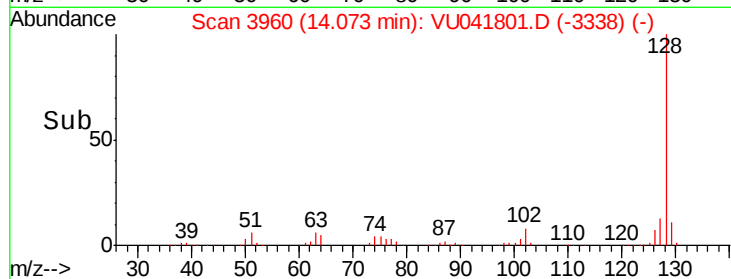
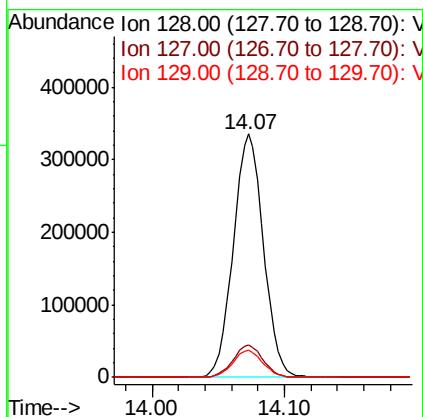
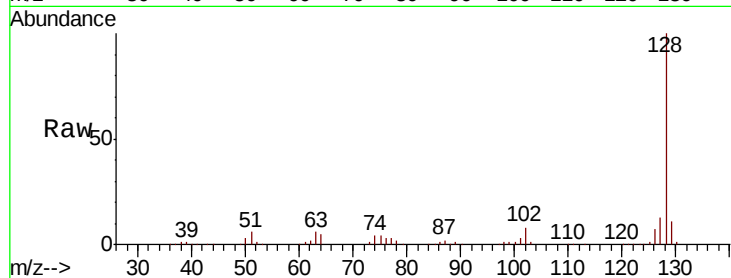




#71
Naphthalene
Concen: 54.006 ug/L
RT: 14.07 min Scan# 3960
Delta R.T. 0.00 min
Lab File: VU041801.D
Acq: 24 Dec 2020 11:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD050208

Tot Ion:128 Resp: 528484
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 11.0 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 55.147 ug/L
RT: 14.31 min Scan# 4035
Delta R.T. 0.00 min
Lab File: VU041801.D
Acq: 24 Dec 2020 11:51

Tgt Ion:180 Resp: 167756
Ion Ratio Lower Upper
180 100
182 94.5 75.8 113.6
145 31.5 26.2 39.4

