

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100620\
 Data File : VU040529.D
 Acq On : 06 Oct 2020 15:30
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV201

Quant Time: Oct 07 08:12:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 08:04:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	300781	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	292477	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	157223	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	119575	46.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.58%
7) Chloroethane-d5	1.92	69	91884	46.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.38%
11) 1,1-Dichloroethene-d2	2.58	63	228839	46.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.86%
21) 2-Butanone-d5	4.64	46	187876	91.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.65%
24) Chloroform-d	5.08	84	209554	47.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.06%
26) 1,2-Dichloroethane-d4	5.72	65	143344	46.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.38%
32) Benzene-d6	5.74	84	402752	48.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.76%
36) 1,2-Dichloropropane-d6	6.70	67	131616	47.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.36%
41) Toluene-d8	7.91	98	372708	49.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.78%
43) trans-1,3-Dichloropropene-	8.18	79	68245	48.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.74%
47) 2-Hexanone-d5	8.64	63	126149	96.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.99%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	186429	46.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.52%
66) 1,2-Dichlorobenzene-d4	12.19	152	143616	44.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	135916	46.928	ug/L	98
3) Chloromethane	1.53	50	138830	45.615	ug/L	100
5) Vinyl chloride	1.61	62	139951	46.443	ug/L	99
6) Bromomethane	1.86	94	75267	47.588	ug/L	99
8) Chloroethane	1.94	64	83775	46.077	ug/L	98
9) Trichlorofluoromethane	2.15	101	182330	47.170	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	109500	47.523	ug/L	99
12) 1,1-Dichloroethene	2.59	96	101398	47.597	ug/L	94
13) Acetone	2.63	43	181733	92.309	ug/L	98
14) Carbon disulfide	2.80	76	336696	46.037	ug/L	100
15) Methyl Acetate	2.96	43	146366	45.579	ug/L	99
16) Methylene chloride	3.06	84	116942	46.287	ug/L	94
17) trans-1,2-Dichloroethene	3.37	96	107169	47.232	ug/L	97
18) Methyl tert-butyl Ether	3.38	73	338479	47.429	ug/L	99
19) 1,1-Dichloroethane	3.89	63	210540	46.524	ug/L	99
20) cis-1,2-Dichloroethene	4.68	96	114131	46.673	ug/L	97
22) 2-Butanone	4.72	43	234814	93.499	ug/L	100

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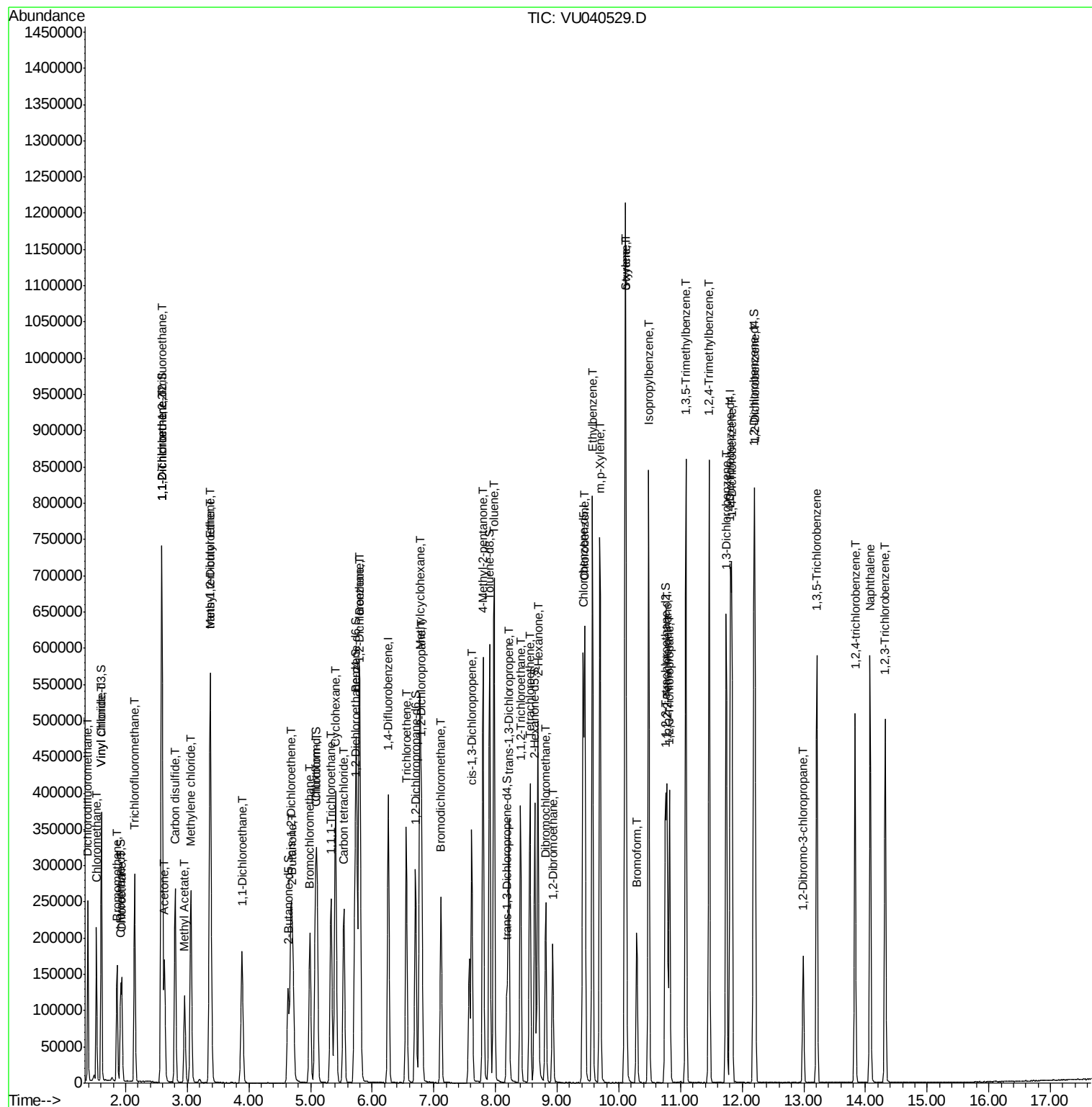
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	59540	46.723	ug/L	98
25) Chloroform	5.11	83	213653	46.300	ug/L	100
27) 1,2-Dichloroethane	5.81	62	175559	46.101	ug/L	100
29) Cyclohexane	5.40	56	196109	50.077	ug/L	98
30) 1,1,1-Trichloroethane	5.33	97	180848	48.145	ug/L	100
31) Carbon tetrachloride	5.54	117	159368	49.064	ug/L	99
33) Benzene	5.79	78	457286	48.372	ug/L	100
34) Trichloroethene	6.55	95	115128	47.275	ug/L	99
35) Methylcyclohexane	6.77	83	186835	50.461	ug/L	99
37) 1,2-Dichloropropane	6.80	63	123296	47.495	ug/L	99
38) Bromodichloromethane	7.12	83	158773	47.085	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	187487	49.278	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	390067	95.225	ug/L	99
42) Toluene	7.98	91	480364	49.771	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	188631	49.242	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	110890	47.683	ug/L	97
46) Tetrachloroethene	8.56	164	86078	48.916	ug/L	99
48) 2-Hexanone	8.69	43	313229	94.082	ug/L	98
49) Dibromochloromethane	8.82	129	123216	48.523	ug/L	99
50) 1,2-Dibromoethane	8.93	107	120811	49.005	ug/L	95
51) Chlorobenzene	9.45	112	303476	47.939	ug/L	99
52) Ethylbenzene	9.57	91	536074	50.040	ug/L	100
53) m,p-Xylene	9.69	106	199260	50.511	ug/L	99
54) o-xylene	10.10	106	193035	51.432	ug/L	99
55) Styrene	10.11	104	339138	51.300	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.78	83	190983	46.440	ug/L	99
59) Bromoform	10.29	173	87907	45.618	ug/L	99
60) 1,2,3-Trichloropropane	10.82	75	159242	44.589	ug/L	98
61) Isopropylbenzene	10.48	105	517520	49.014	ug/L	99
62) 1,3,5-Trimethylbenzene	11.09	105	434582	50.096	ug/L	100
63) 1,2,4-Trimethylbenzene	11.47	105	442321	50.274	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	243658	47.327	ug/L	97
65) 1,4-Dichlorobenzene	11.83	146	247495	45.770	ug/L	100
67) 1,2-Dichlorobenzene	12.21	146	236310	45.819	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.99	75	43927	43.778	ug/L	97
69) 1,3,5-Trichlorobenzene	13.21	180	162630	48.212	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	138639	47.419	ug/L	98
71) Naphthalene	14.08	128	431057	47.699	ug/L	100
72) 1,2,3-Trichlorobenzene	14.32	180	136508	47.038	ug/L	99

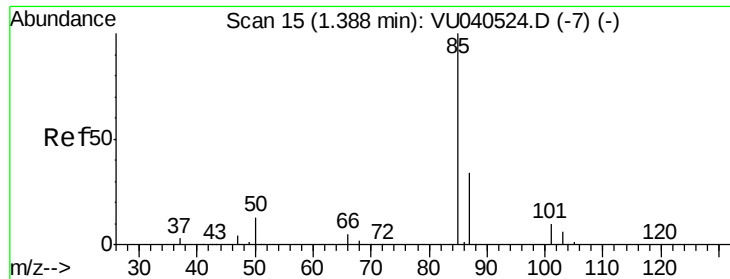
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 46.928 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040529.D

Acq: 06 Oct 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

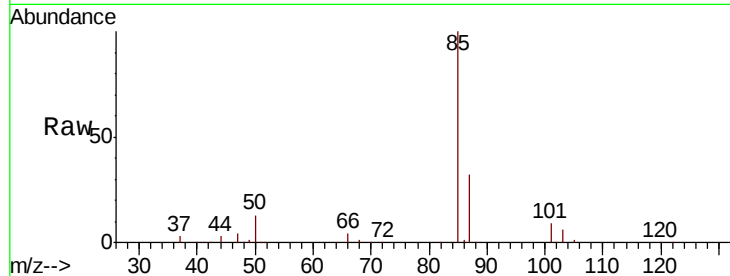
VICV201

Tot Ion: 85 Resp: 135916

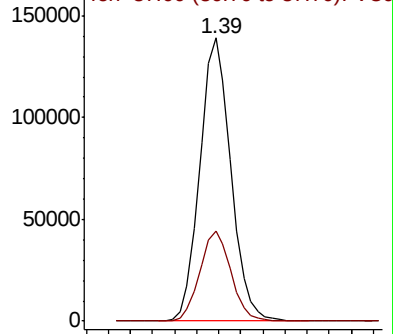
Ion Ratio Lower Upper

85 100

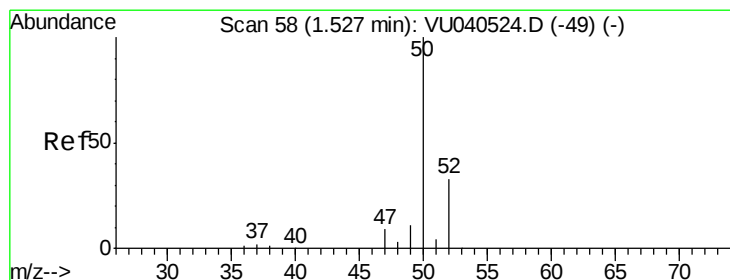
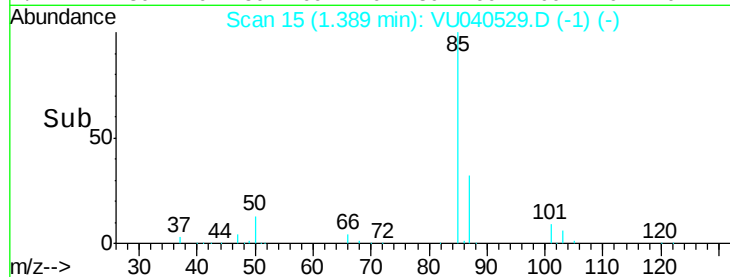
87 32.0 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VU040529.D (-1) (-)



Time-->



#3

Chloromethane

Concen: 45.615 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040529.D

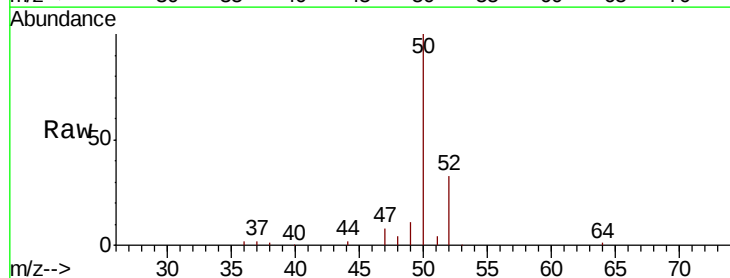
Acq: 06 Oct 2020 15:30

Tgt Ion: 50 Resp: 138830

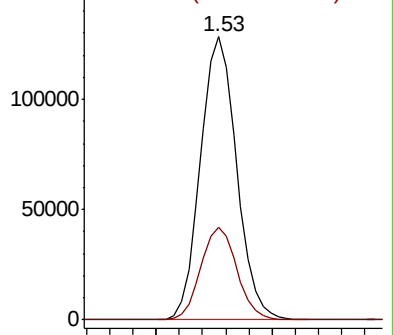
Ion Ratio Lower Upper

50 100

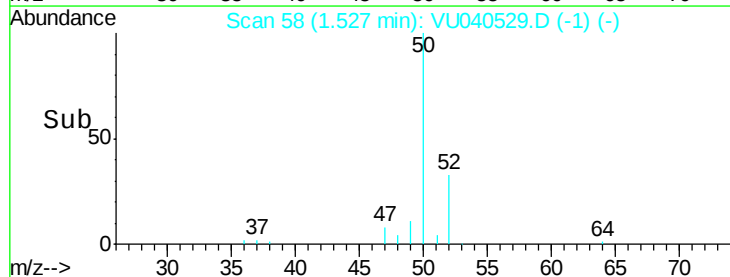
52 32.8 22.9 42.5

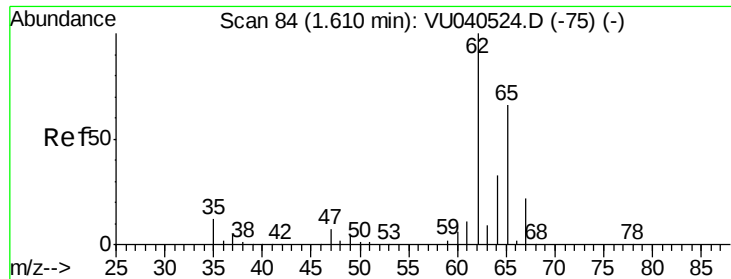


Abundance Ion 50.00 (49.70 to 50.70): VU040529.D (-1) (-)



Time-->





#5

Vinyl chloride

Concen: 46.443 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040529.D

Acq: 06 Oct 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

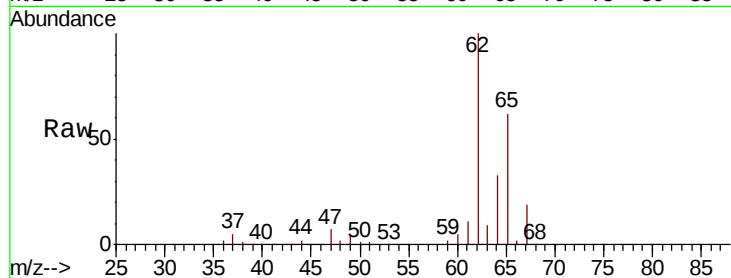
VICV201

Tot Ion: 62 Resp: 139951

Ion Ratio Lower Upper

62 100

64 33.2 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.61

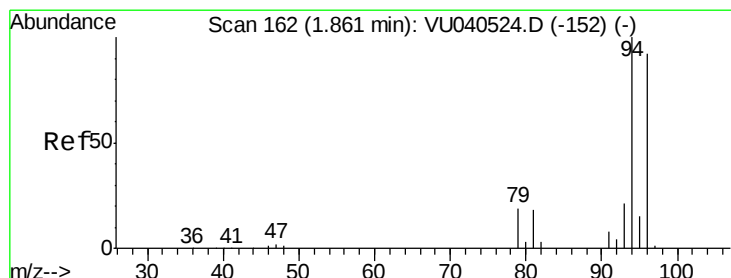
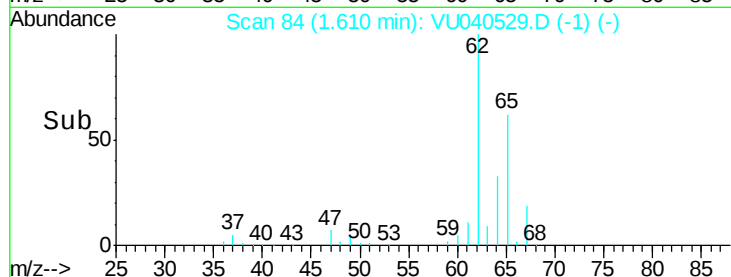
150000

100000

50000

0

Time--> 1.55 1.60 1.65



#6

Bromomethane

Concen: 47.588 ug/L

RT: 1.86 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU040529.D

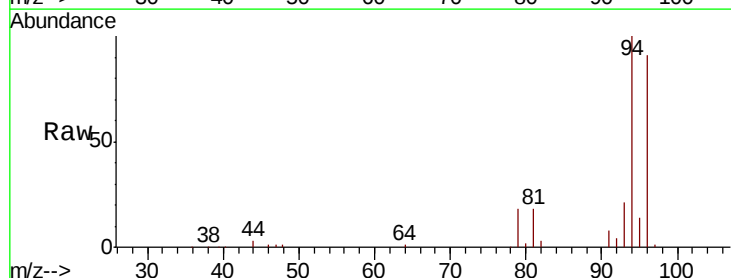
Acq: 06 Oct 2020 15:30

Tgt Ion: 94 Resp: 75267

Ion Ratio Lower Upper

94 100

96 90.9 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.86

60000

50000

40000

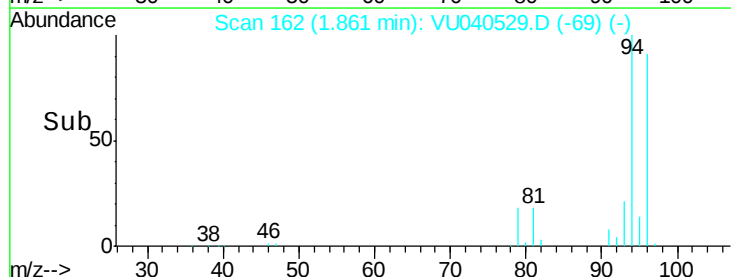
30000

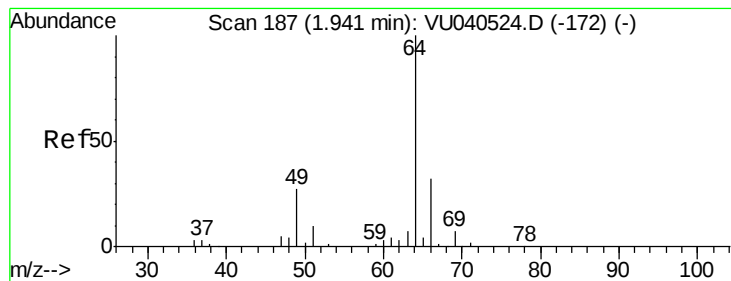
20000

10000

0

Time--> 1.80 1.85 1.90





#8

Chloroethane

Concen: 46.077 ug/L

RT: 1.94 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU040529.D

Acq: 06 Oct 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

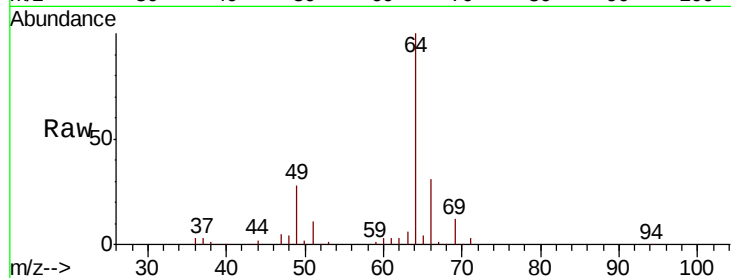
VICV201

Tot Ion: 64 Resp: 83775

Ion Ratio Lower Upper

64 100

66 31.1 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VU040529.D (-63) (-)

Ion 66.00 (65.70 to 66.70): VU040529.D (-63) (-)

1.94

60000

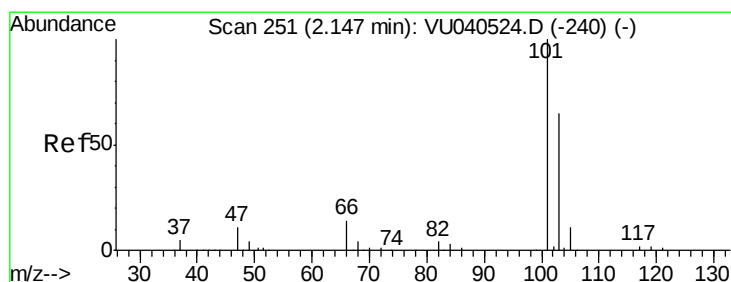
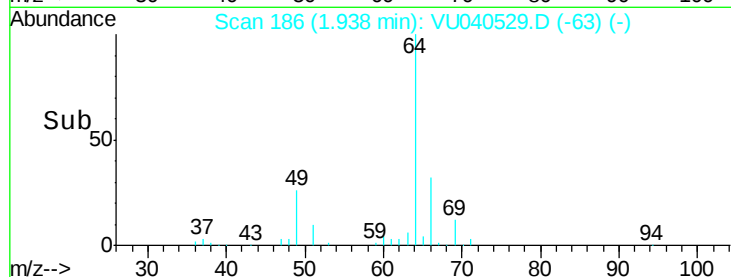
40000

20000

0

Time-->

1.90 1.95 2.00



#9

Trichlorofluoromethane

Concen: 47.170 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU040529.D

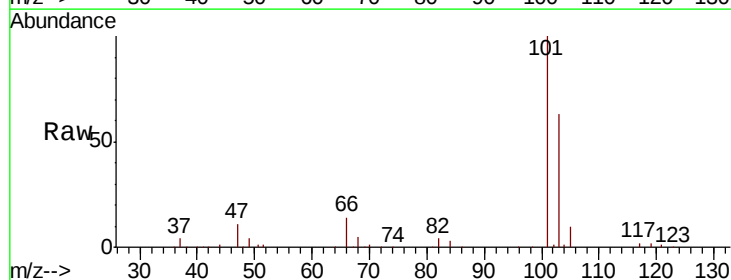
Acq: 06 Oct 2020 15:30

Tgt Ion: 101 Resp: 182330

Ion Ratio Lower Upper

101 100

103 63.1 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): VU040529.D (-127) (-)

Ion 103.00 (102.70 to 103.70): VU040529.D (-127) (-)

2.15

150000

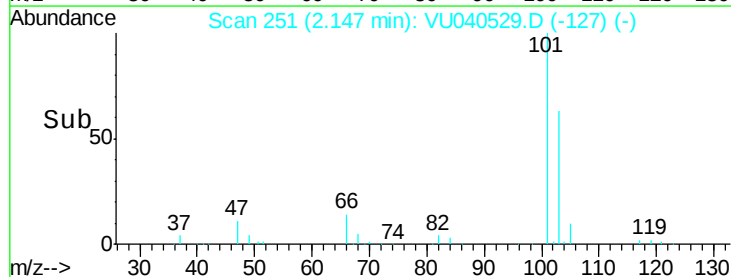
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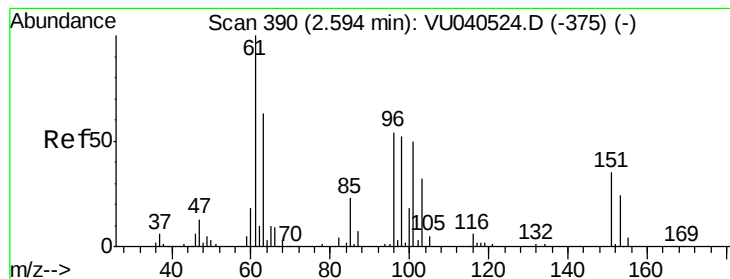
50000

0

Time-->

2.10 2.15 2.20





#10

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

Concen: 47.523 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040529.D

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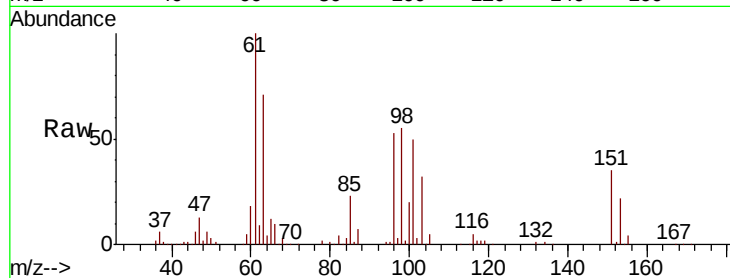
Tot Ion:101 Resp: 109500

Ion Ratio Lower Upper

101 100

85 44.4 35.4 53.2

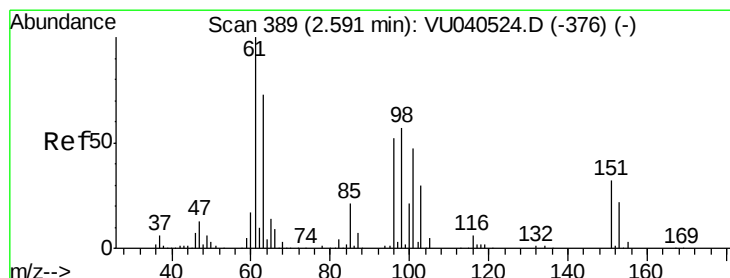
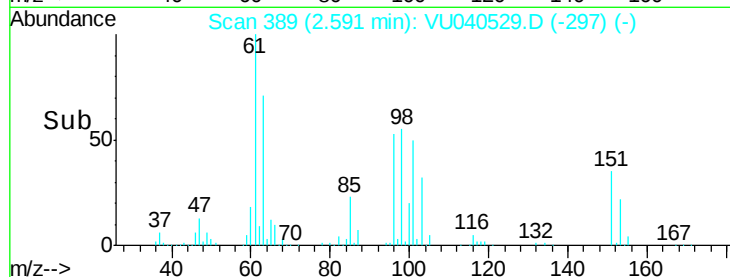
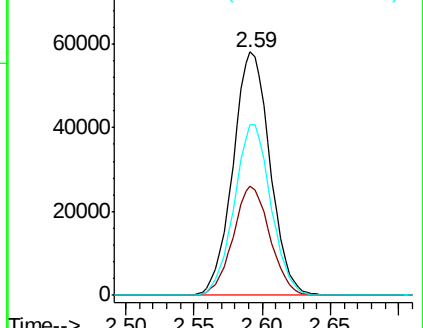
151 69.3 54.8 82.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 47.597 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040529.D

Acq: 06 Oct 2020 15:30

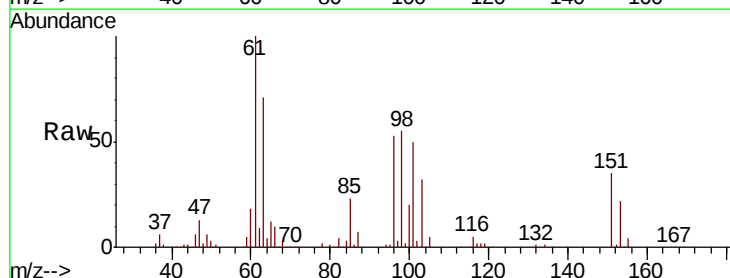
Tgt Ion: 96 Resp: 101398

Ion Ratio Lower Upper

96 100

61 188.0 135.0 250.8

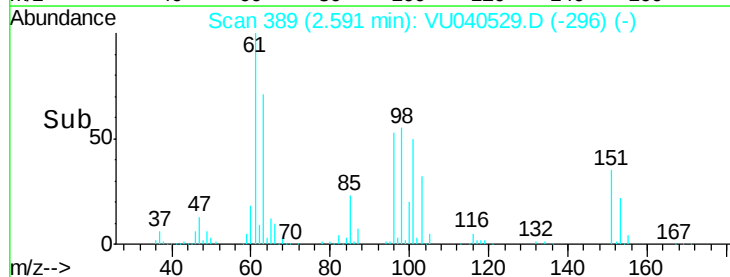
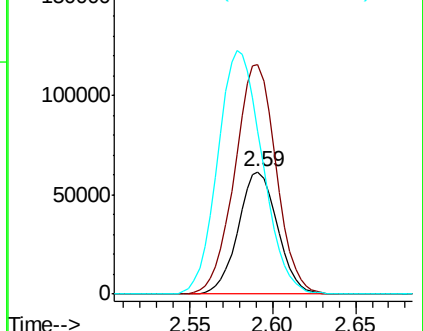
63 132.9 101.4 188.2

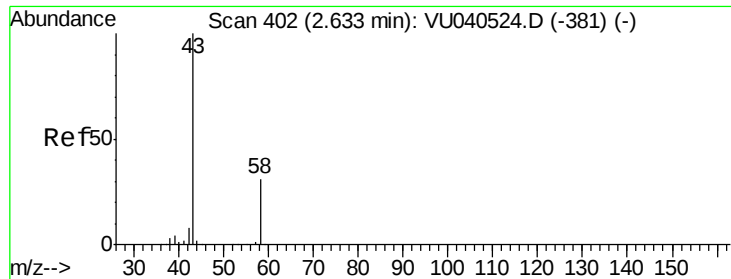


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 92.309 ug/L

RT: 2.63 min Scan# 402

Delta R.T. 0.00 min

Lab File: VU040529.D

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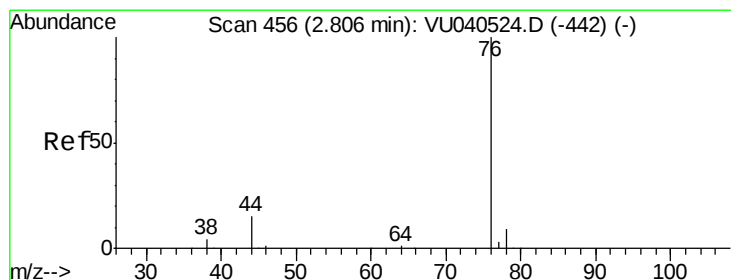
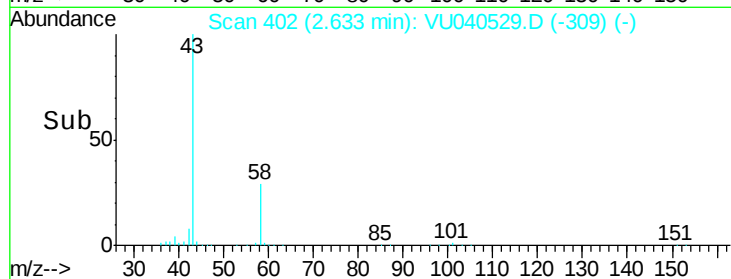
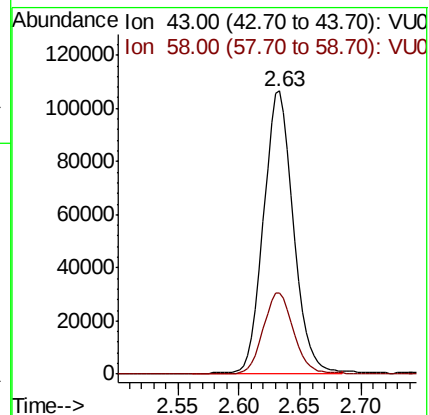
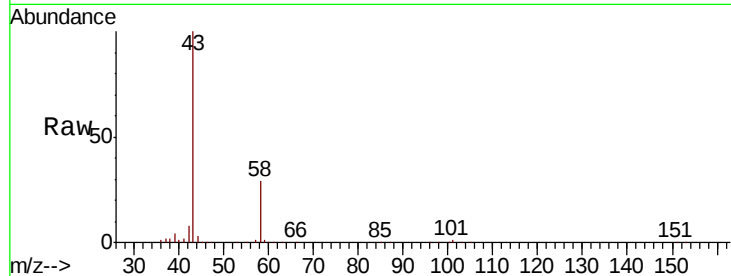
VICV201

Tot Ion: 43 Resp: 181733

Ion Ratio Lower Upper

43 100

58 28.9 0.0 60.2



#14

Carbon disulfide

Concen: 46.037 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

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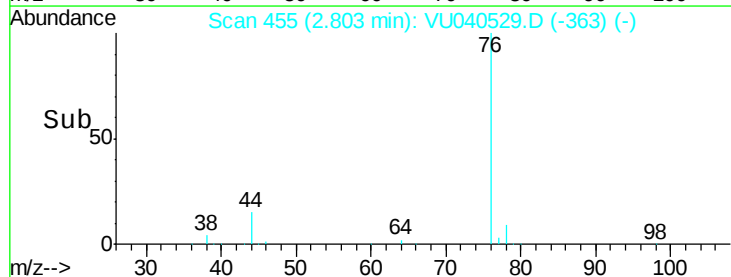
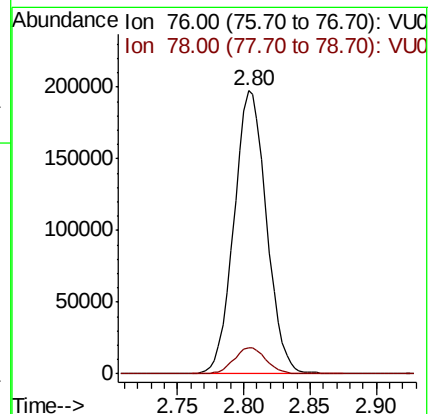
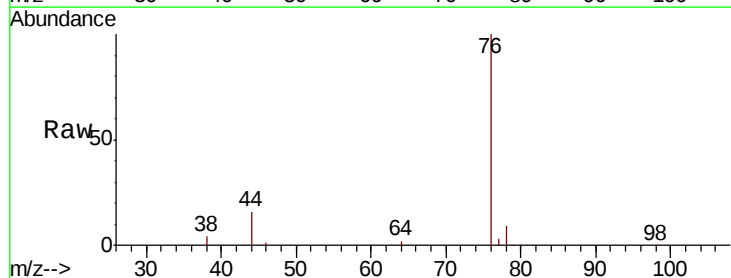
Acq: 06 Oct 2020 15:30

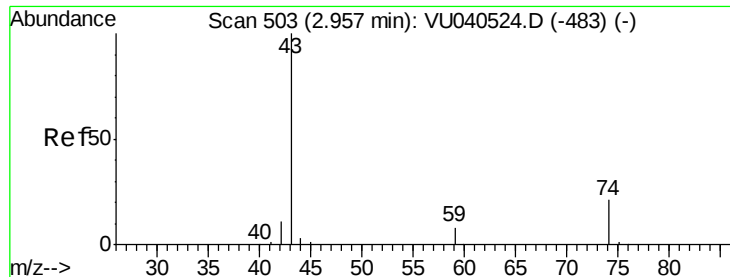
Tgt Ion: 76 Resp: 336696

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0





#15

Methvl Acetate

Concen: 45.579 ug/L

RT: 2.96 min Scan# 503

Delta R.T. 0.00 min

Lab File: VU040529.D

Acq: 06 Oct 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

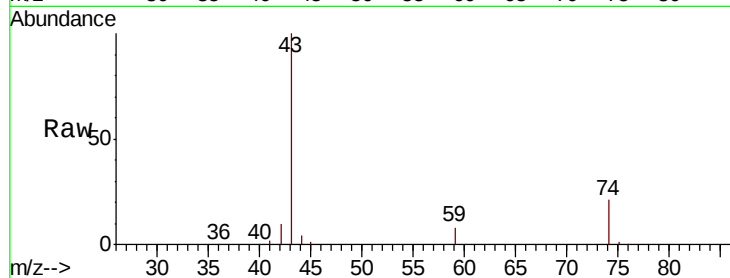
VICV201

Tot Ion: 43 Resp: 146366

Ion Ratio Lower Upper

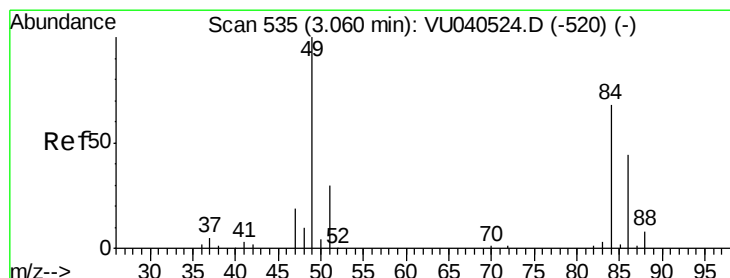
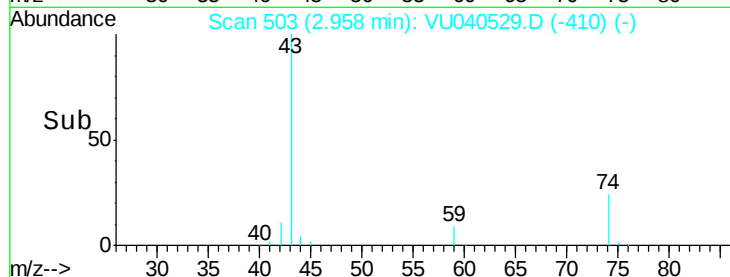
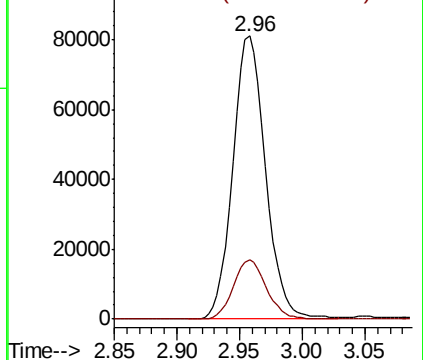
43 100

74 21.1 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 46.287 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040529.D

Acq: 06 Oct 2020 15:30

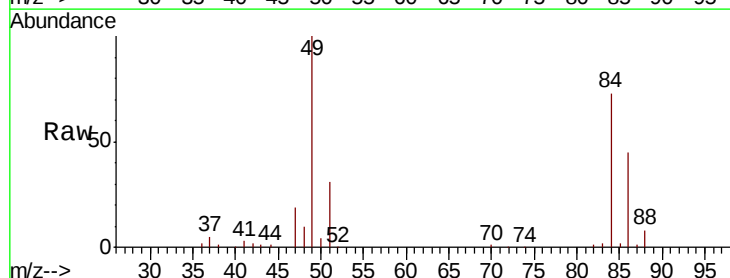
Tgt Ion: 84 Resp: 116942

Ion Ratio Lower Upper

84 100

86 62.0 45.4 84.4

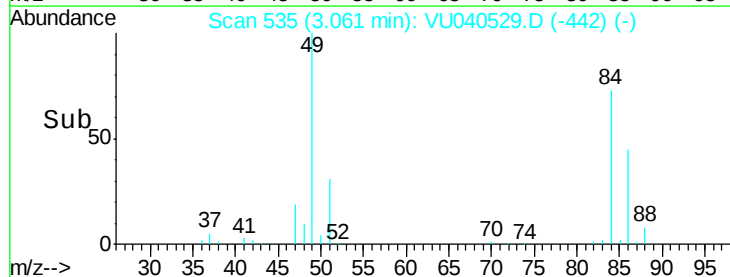
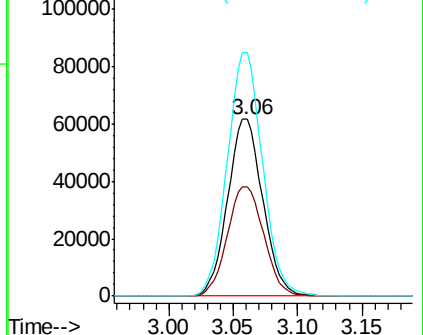
49 137.6 102.9 191.1

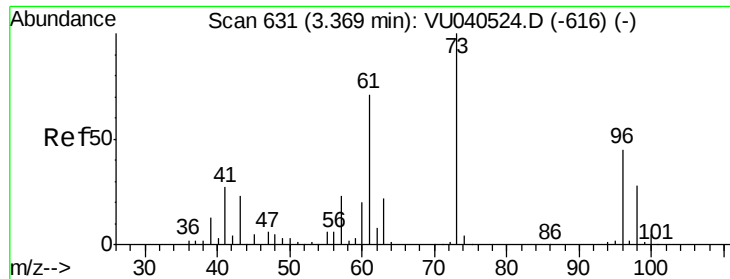


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 47.232 ug/L

RT: 3.37 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU040529.D

Acq: 06 Oct 2020 15:30

Instrument :

MSVOA_U

ClientSampled :

VICV201

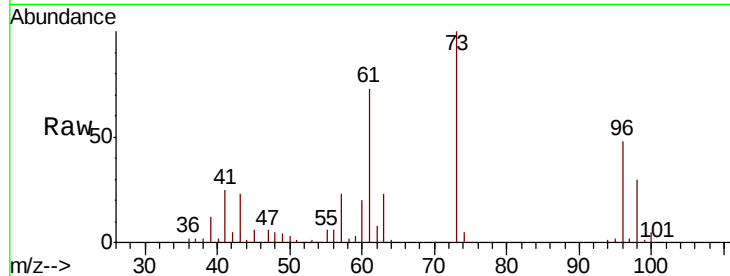
Tot Ion: 96 Resp: 107169

Ion Ratio Lower Upper

96 100

61 152.2 109.6 203.6

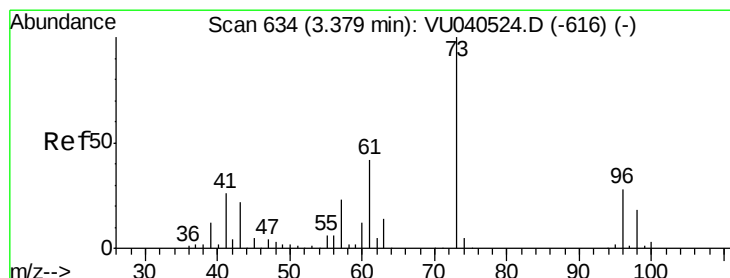
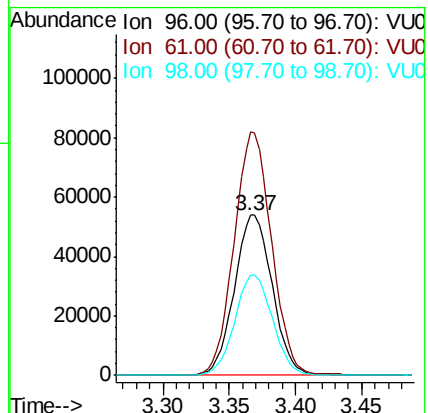
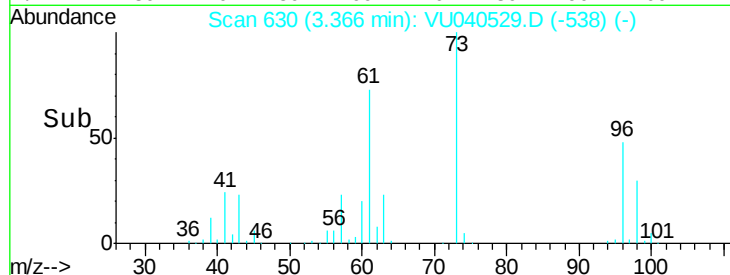
98 62.5 43.3 80.3



Abundance Ion 96.00 (95.70 to 96.70): VU040529.D (-538) (-)

Ion 61.00 (60.70 to 61.70): VU040529.D (-538) (-)

Ion 98.00 (97.70 to 98.70): VU040529.D (-538) (-)



#18

Methyl tert-butyl Ether

Concen: 47.429 ug/L

RT: 3.38 min Scan# 634

Delta R.T. 0.00 min

Lab File: VU040529.D

Acq: 06 Oct 2020 15:30

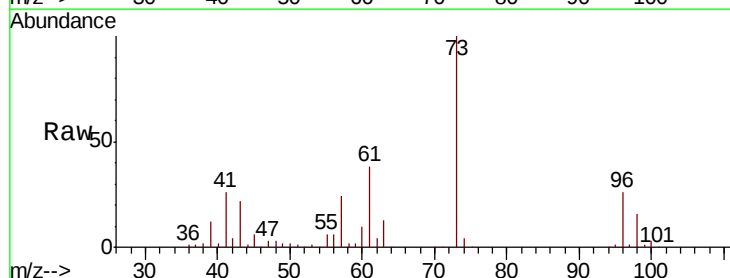
Tgt Ion: 73 Resp: 338479

Ion Ratio Lower Upper

73 100

43 22.4 18.2 27.2

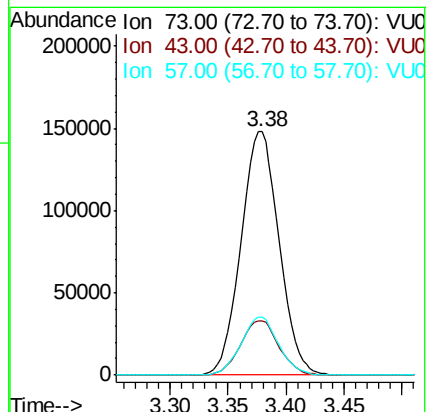
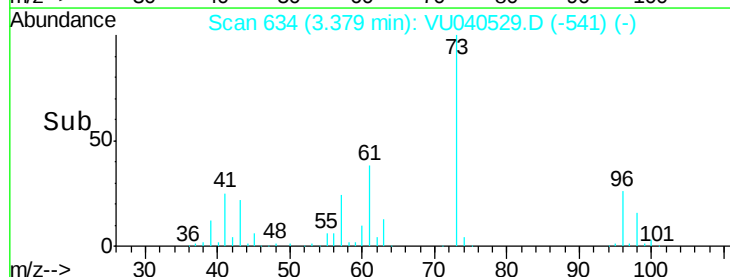
57 23.5 18.5 27.7

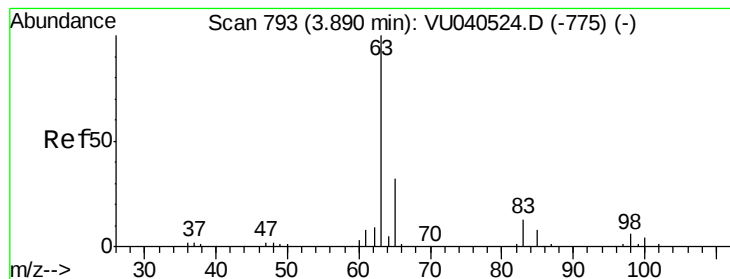


Abundance Ion 73.00 (72.70 to 73.70): VU040529.D (-541) (-)

Ion 43.00 (42.70 to 43.70): VU040529.D (-541) (-)

Ion 57.00 (56.70 to 57.70): VU040529.D (-541) (-)





#19

1,1-Dichloroethane

Concen: 46.524 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU040529.D

Acq: 06 Oct 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

VICV201

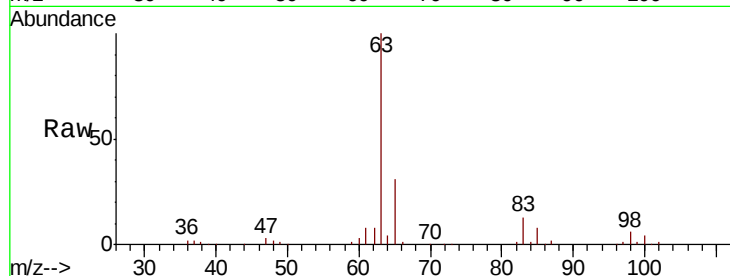
Tot Ion: 63 Resp: 210540

Ion Ratio Lower Upper

63 100

65 31.4 22.6 42.0

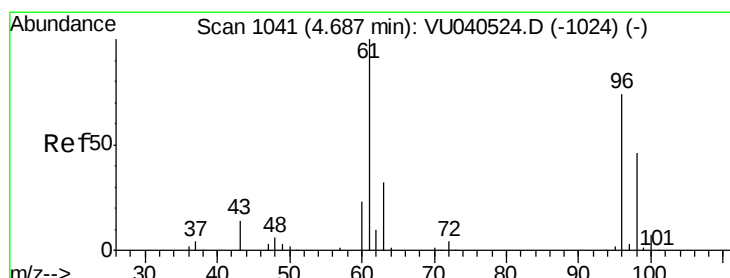
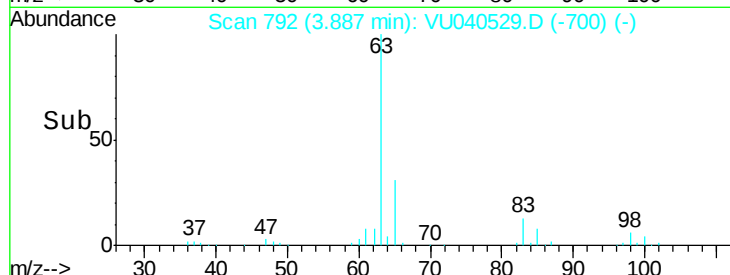
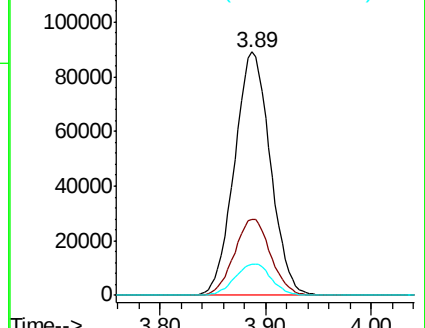
83 12.7 9.1 16.9



Abundance Ion 63.00 (62.70 to 63.70): VU040529.D (-700) (-)

Ion 65.00 (64.70 to 65.70): VU040529.D (-700) (-)

Ion 83.00 (82.70 to 83.70): VU040529.D (-700) (-)



#20

cis-1,2-Dichloroethene

Concen: 46.673 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040529.D

Acq: 06 Oct 2020 15:30

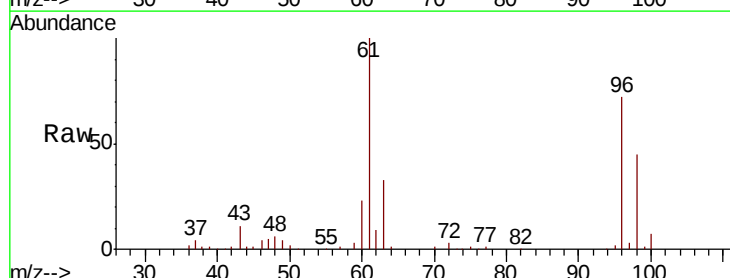
Tgt Ion: 96 Resp: 114131

Ion Ratio Lower Upper

96 100

61 139.7 95.7 177.7

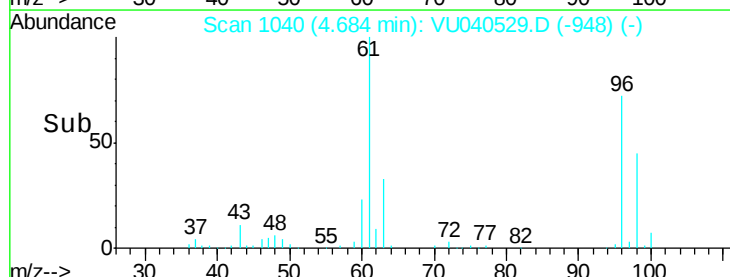
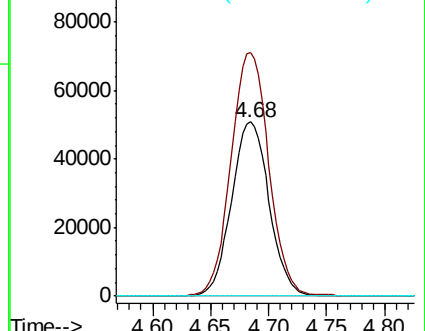
68 0.0 0.0 0.0

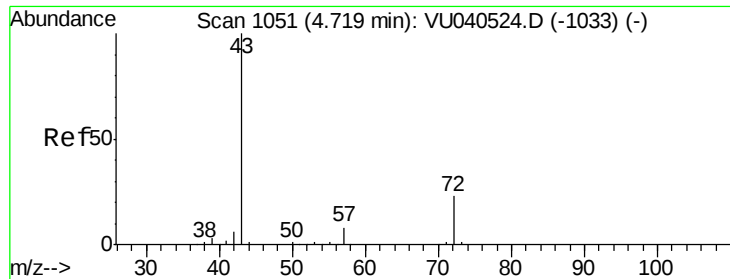


Abundance Ion 96.00 (95.70 to 96.70): VU040529.D (-948) (-)

Ion 61.00 (60.70 to 61.70): VU040529.D (-948) (-)

Ion 68.00 (67.70 to 68.70): VU040529.D (-948) (-)





#22

2-Butanone

Concen: 93.499 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU040529.D

Acq: 06 Oct 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

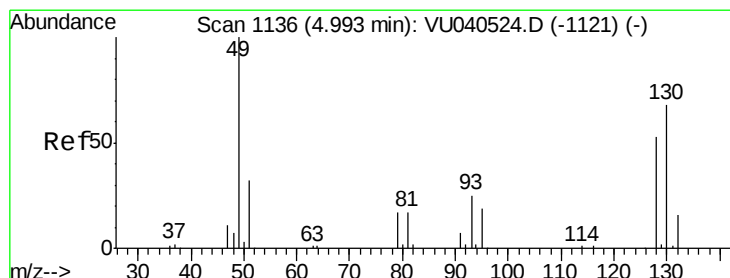
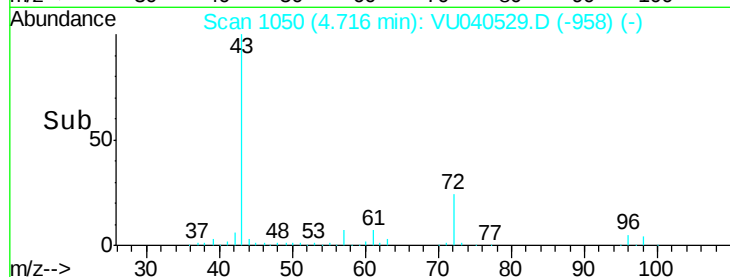
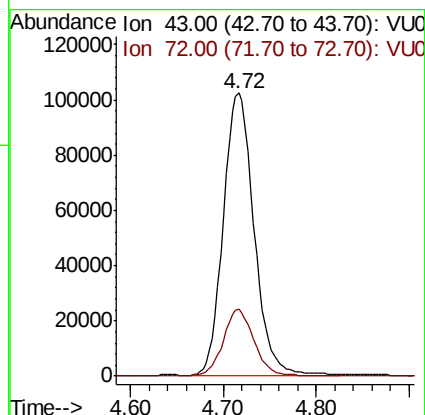
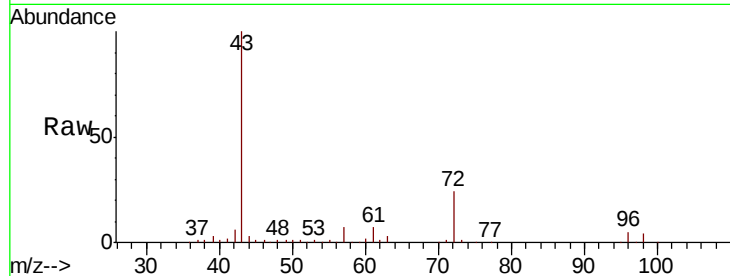
VICV201

Tot Ion: 43 Resp: 234814

Ion Ratio Lower Upper

43 100

72 24.0 11.9 35.9



#23

Bromochloromethane

Concen: 46.723 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040529.D

Acq: 06 Oct 2020 15:30

Tgt Ion: 128 Resp: 59540

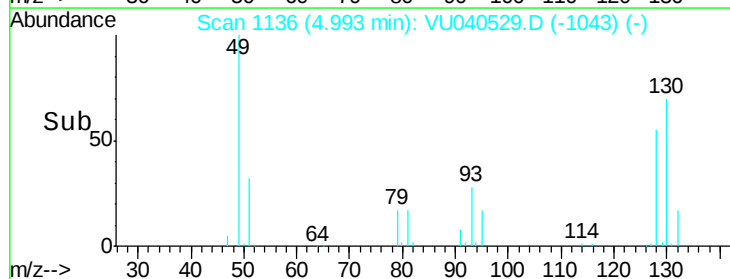
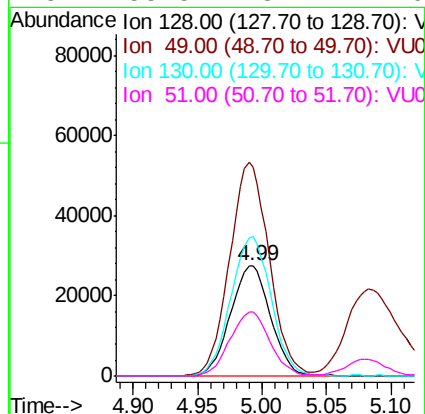
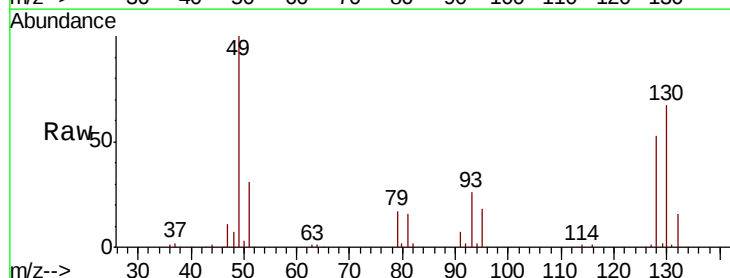
Ion Ratio Lower Upper

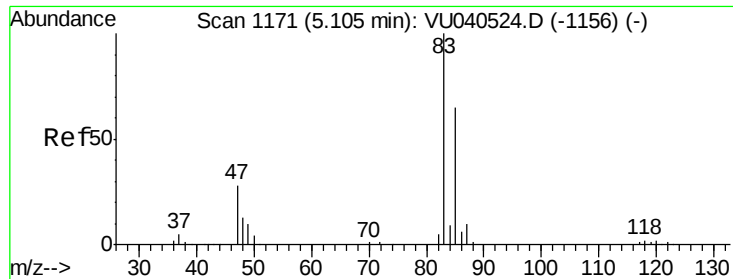
128 100

49 188.5 133.1 247.3

130 126.0 90.5 168.1

51 58.5 48.4 72.6

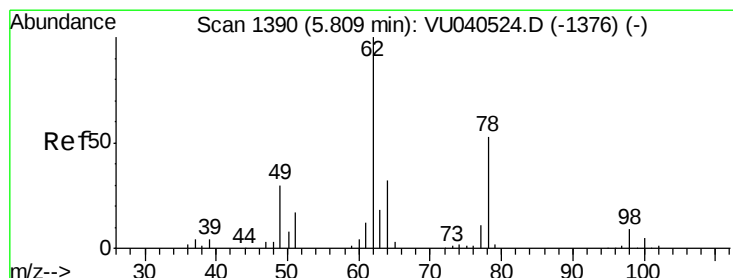
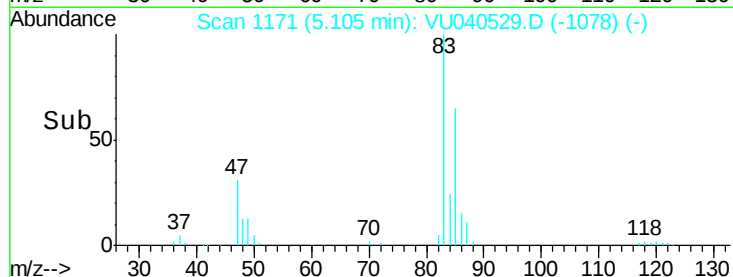
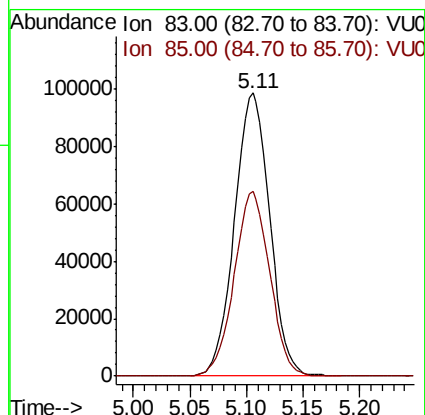
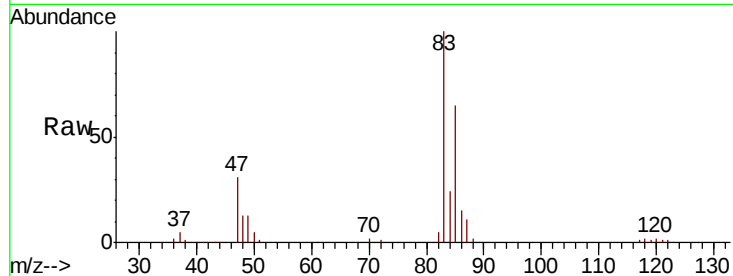




#25
Chloroform
Concen: 46.300 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040529.D
Acq: 06 Oct 2020 15:30

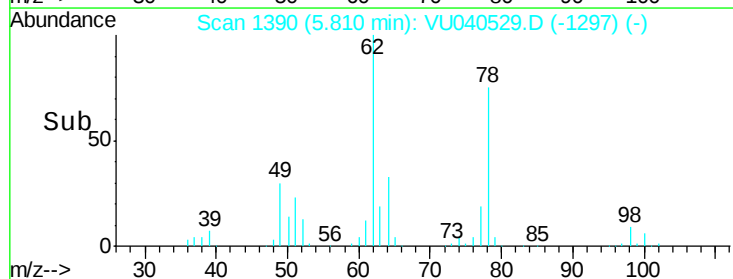
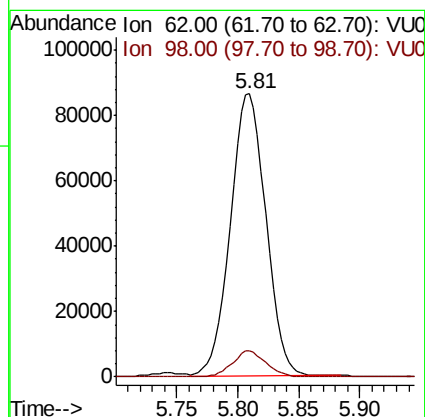
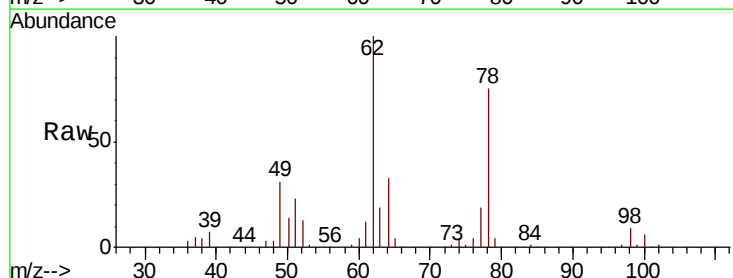
Instrument :
MSVOA_U
ClientSampled :
VICV201

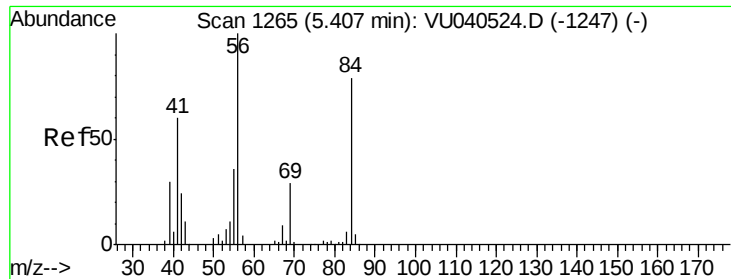
Tot Ion: 83 Resp: 213653
Ion Ratio Lower Upper
83 100
85 65.1 45.6 84.8



#27
1,2-Dichloroethane
Concen: 46.101 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040529.D
Acq: 06 Oct 2020 15:30

Tgt Ion: 62 Resp: 175559
Ion Ratio Lower Upper
62 100
98 9.1 7.1 10.7

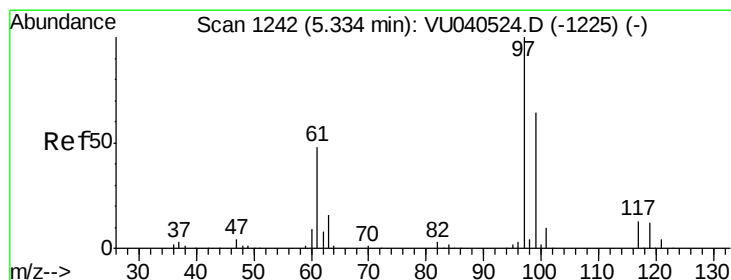
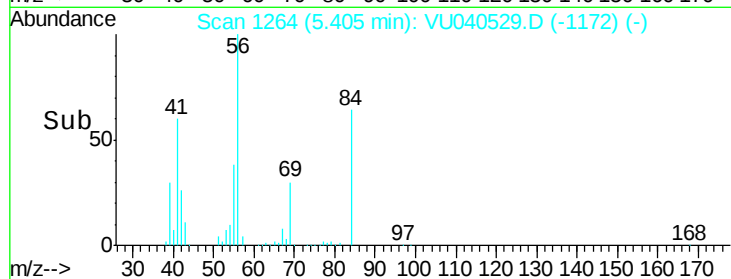
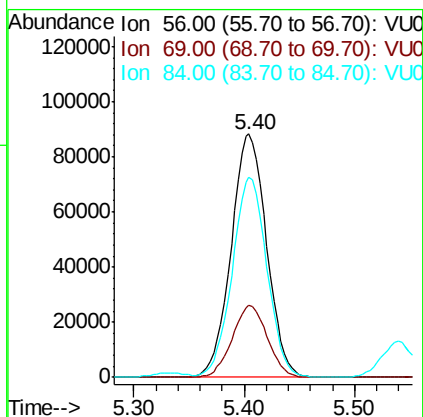
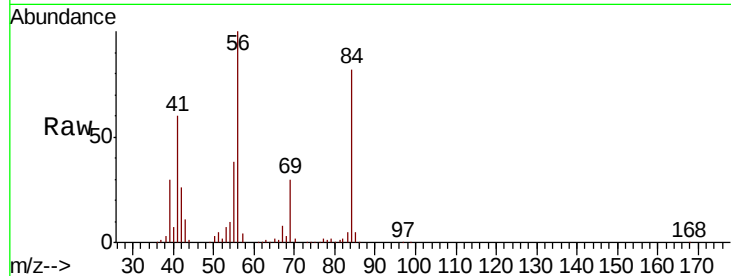




#29
Cyclohexane
Concen: 50.077 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU040529.D
Acq: 06 Oct 2020 15:30

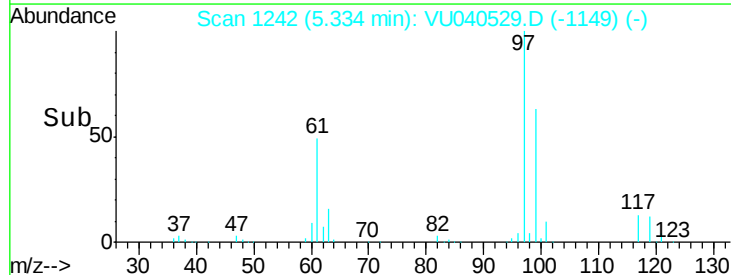
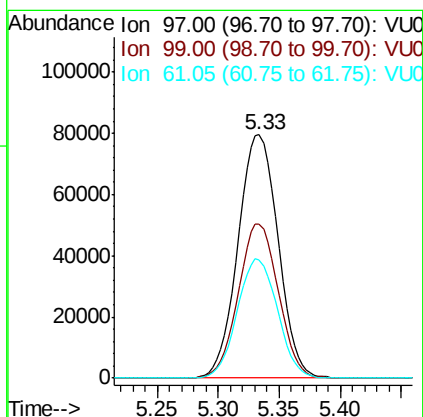
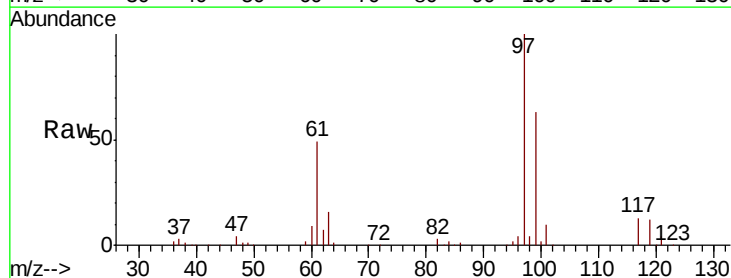
Instrument :
MSVOA_U
ClientSampleId :
VICV201

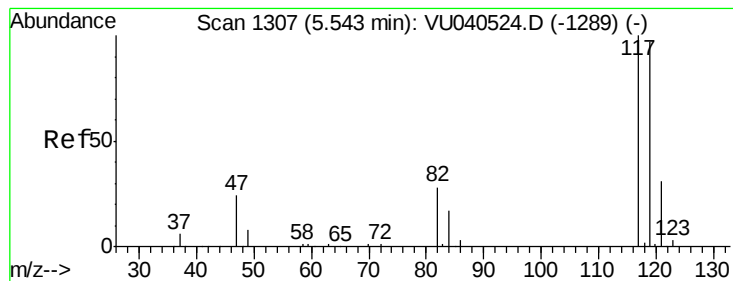
Tot Ion: 56 Resp: 196109
Ion Ratio Lower Upper
56 100
69 29.4 22.6 34.0
84 80.7 63.1 94.7



#30
1,1,1-Trichloroethane
Concen: 48.145 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU040529.D
Acq: 06 Oct 2020 15:30

Tgt Ion: 97 Resp: 180848
Ion Ratio Lower Upper
97 100
99 63.5 51.0 76.6
61 49.1 39.4 59.2





#31

Carbon tetrachloride

Concen: 49.064 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040529.D

Acq: 06 Oct 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

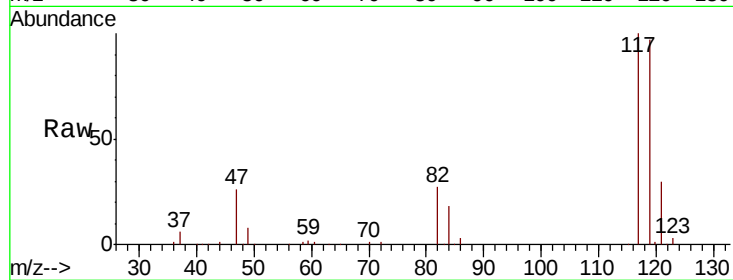
VICV201

Tot Ion:117 Resp: 159368

Ion Ratio Lower Upper

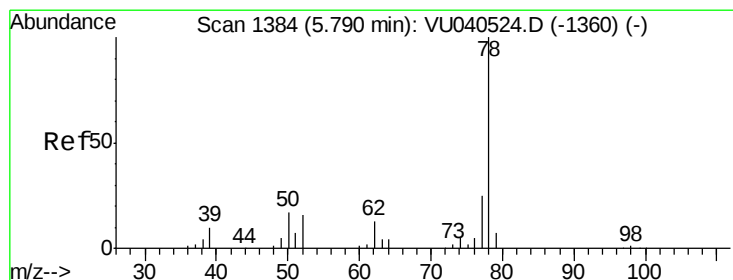
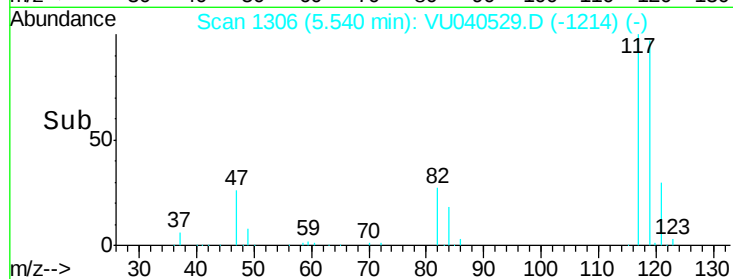
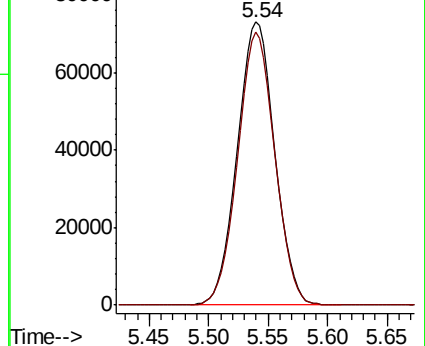
117 100

119 95.5 75.8 113.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.372 ug/L

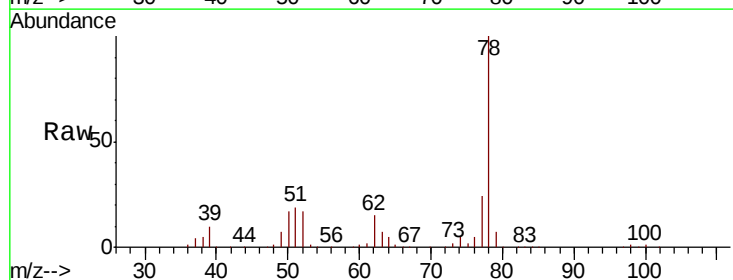
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

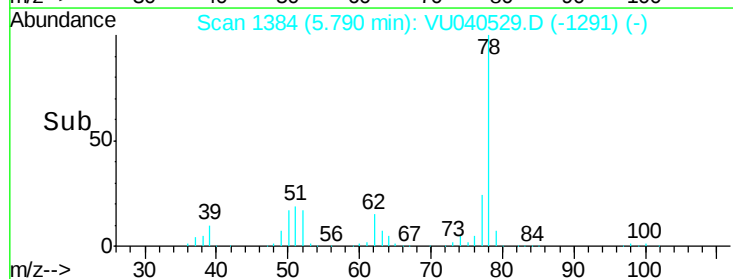
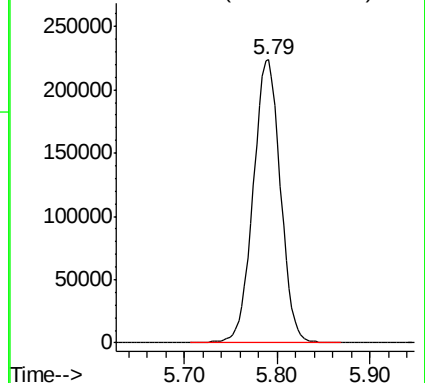
Lab File: VU040529.D

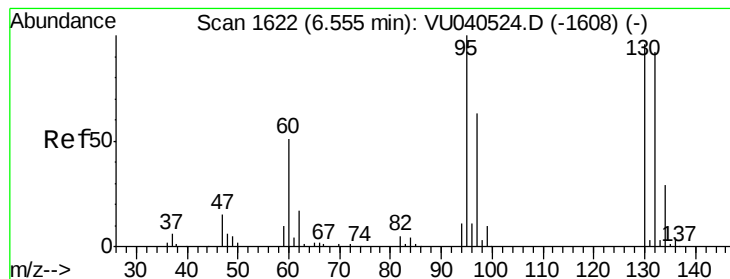
Acq: 06 Oct 2020 15:30

Tgt Ion: 78 Resp: 457286



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 47.275 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU040529.D

Acq: 06 Oct 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

VICV201

Tot Ion: 95 Resp: 115128

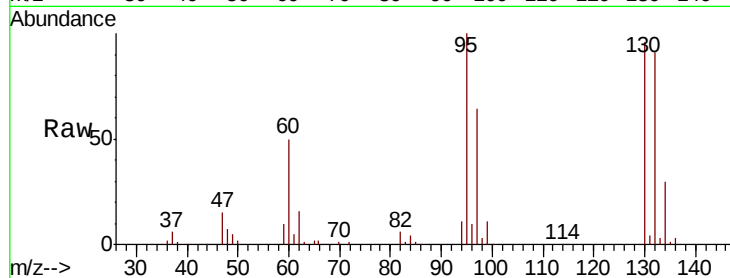
Ion Ratio Lower Upper

95 100

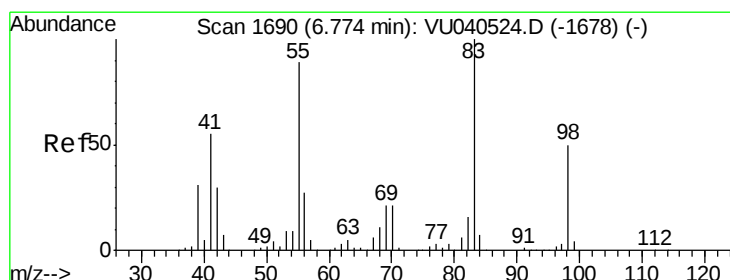
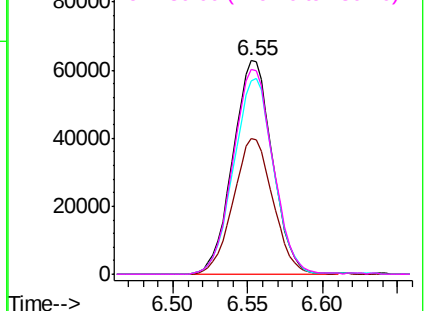
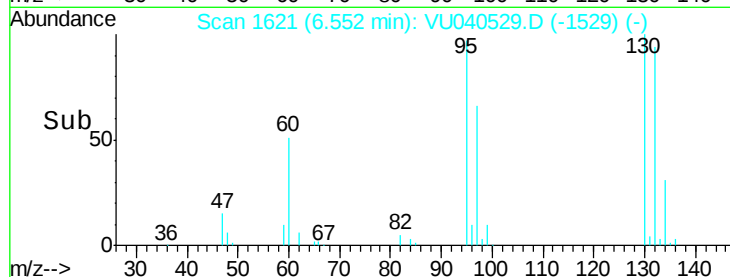
97 63.7 44.3 82.3

132 90.6 64.2 119.2

130 95.9 67.3 125.1



Abundance Ion 95.00 (94.70 to 95.70): VU040529.D (-1529) (-)



#35

Methylcyclohexane

Concen: 50.461 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU040529.D

Acq: 06 Oct 2020 15:30

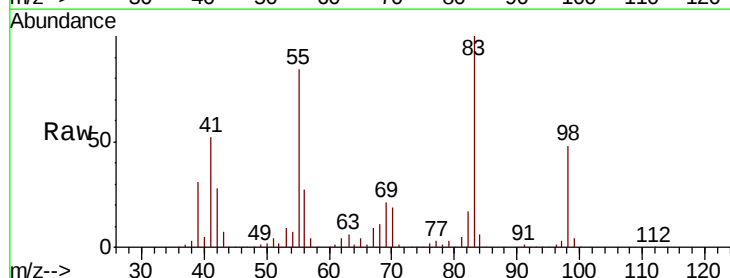
Tgt Ion: 83 Resp: 186835

Ion Ratio Lower Upper

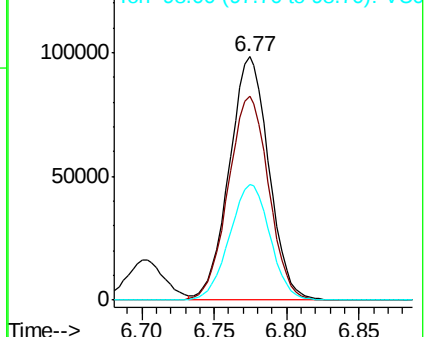
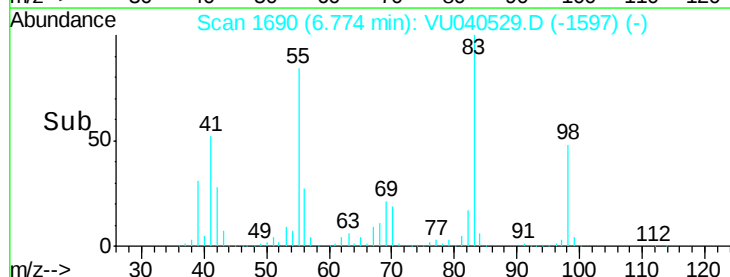
83 100

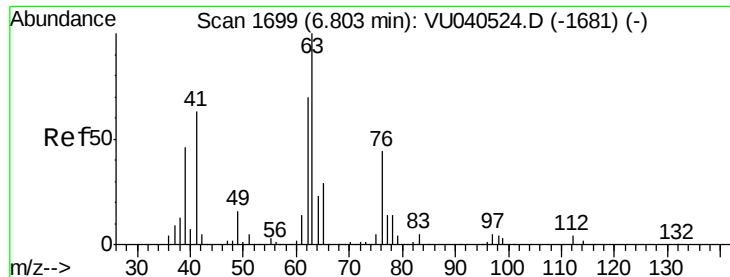
55 85.3 69.8 104.8

98 48.7 39.1 58.7



Abundance Ion 83.00 (82.70 to 83.70): VU040529.D (-1597) (-)

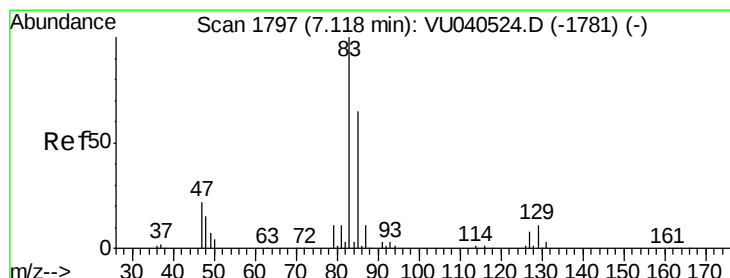
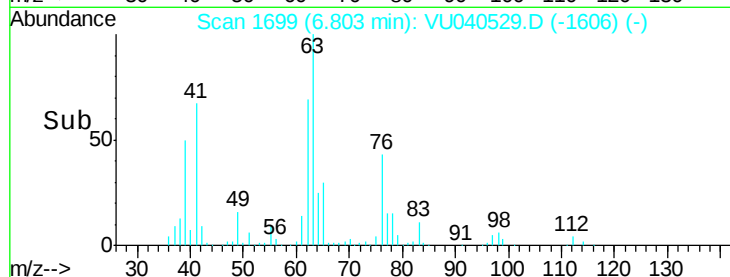
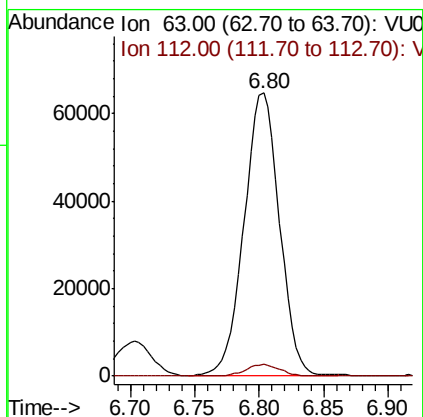
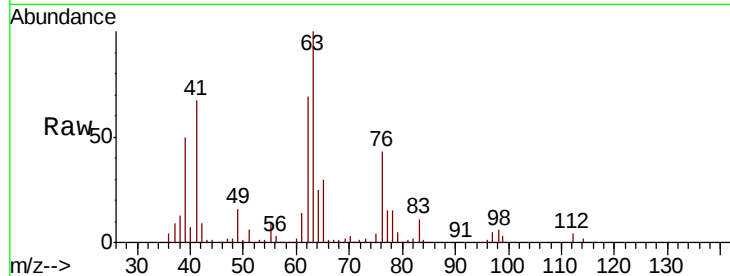




#37
 1,2-Dichloropropane
 Concen: 47.495 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040529.D
 Acq: 06 Oct 2020 15:30

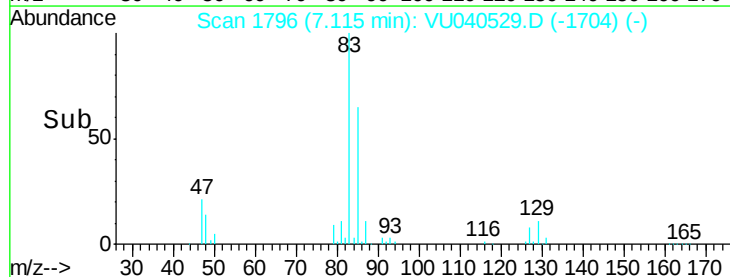
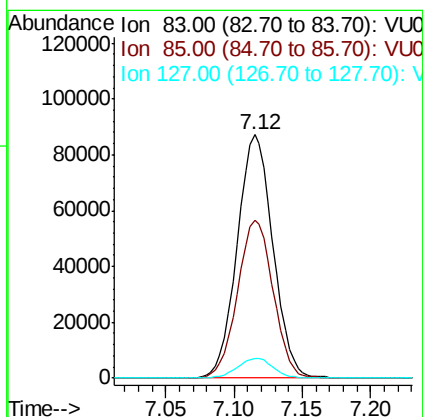
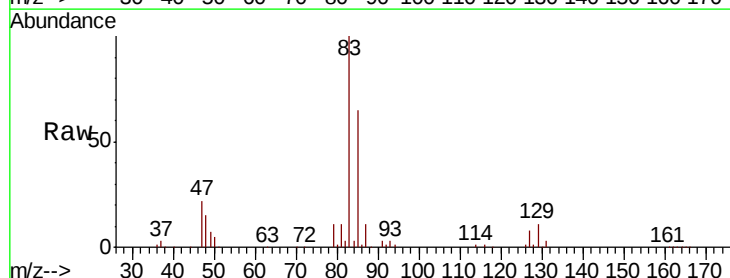
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV201

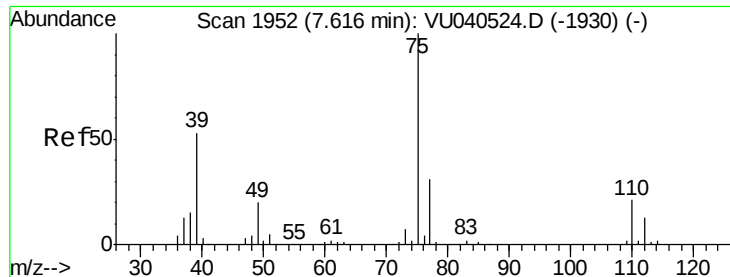
Tot Ion: 63 Resp: 123296
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.5 5.3



#38
 Bromodichloromethane
 Concen: 47.085 ug/L
 RT: 7.12 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040529.D
 Acq: 06 Oct 2020 15:30

Tgt Ion: 83 Resp: 158773
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.2 84.0
 127 7.9 6.7 10.1

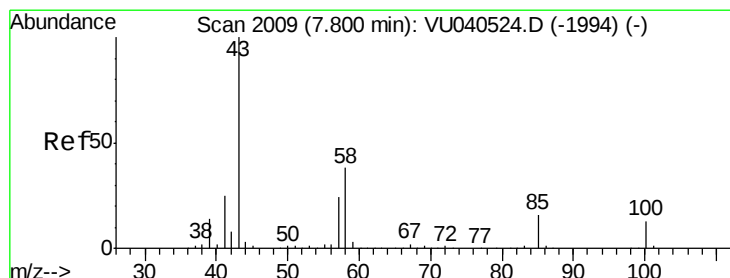
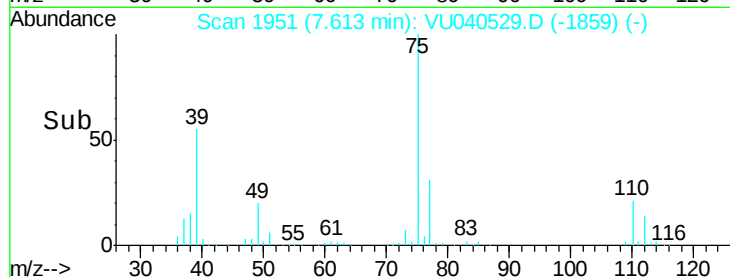
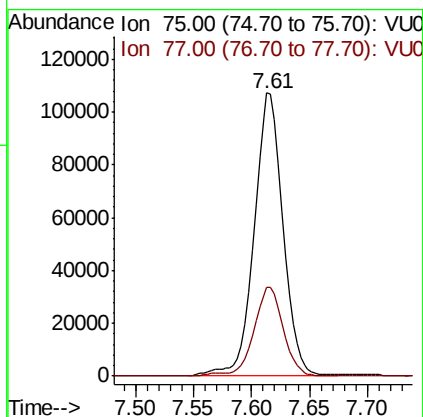
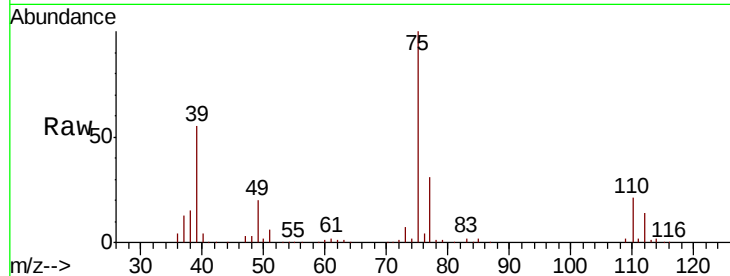




#39
 cis-1,3-Dichloropropene
 Concen: 49.278 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040529.D
 Acq: 06 Oct 2020 15:30

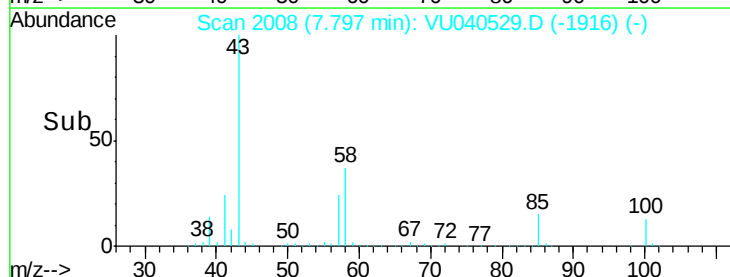
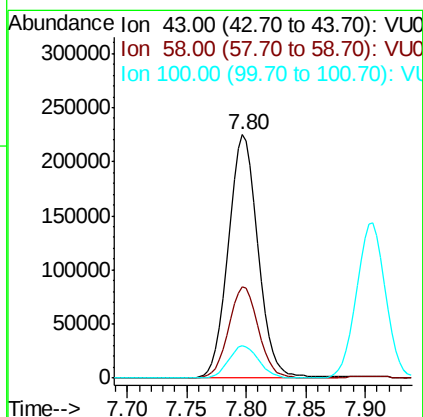
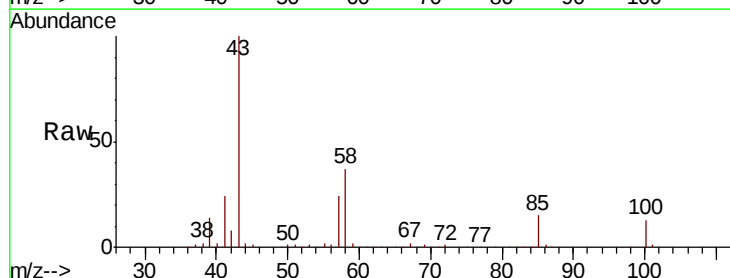
Instrument :
 MSVOA_U
 ClientSampled :
 VICV201

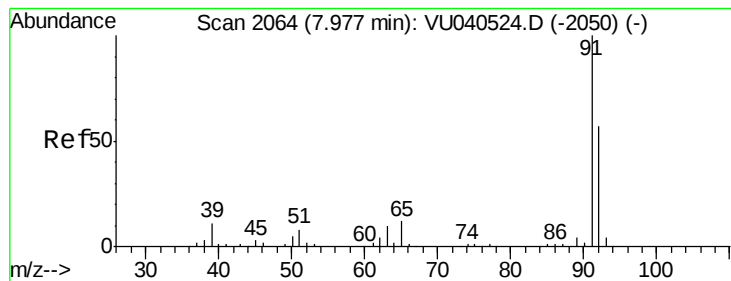
Tot Ion: 75 Resp: 187487
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 95.225 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VU040529.D
 Acq: 06 Oct 2020 15:30

Tgt Ion: 43 Resp: 390067
 Ion Ratio Lower Upper
 43 100
 58 37.6 29.7 44.5
 100 13.4 10.5 15.7





#42

Toluene

Concen: 49.771 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040529.D

Acq: 06 Oct 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

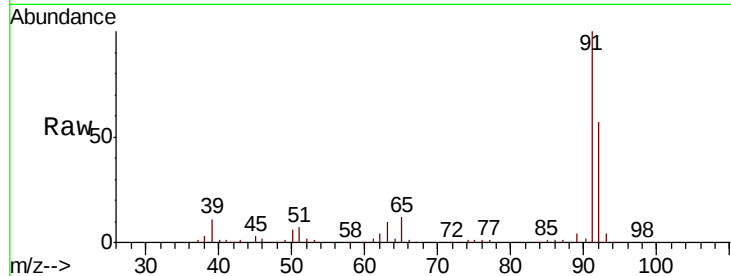
VICV201

Tot Ion: 91 Resp: 480364

Ion Ratio Lower Upper

91 100

92 57.1 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU040524.D (-2050) (-)

Ion 92.00 (91.70 to 92.70): VU040524.D (-2050) (-)

7.98

300000

250000

200000

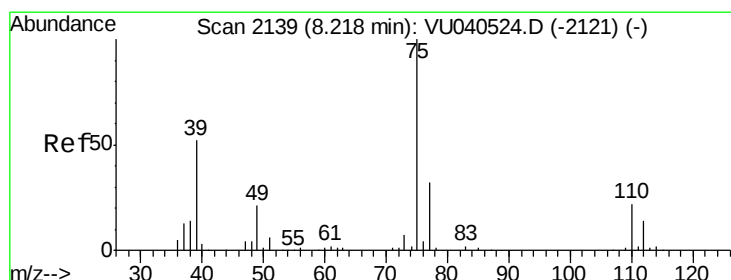
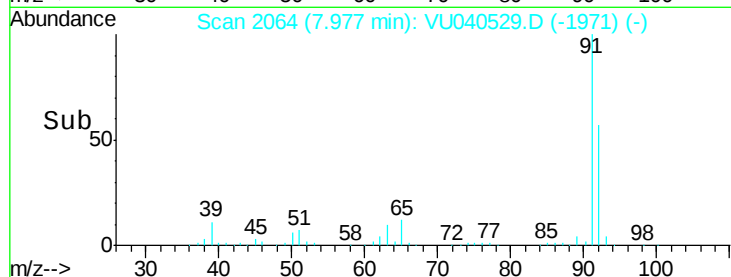
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.242 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040529.D

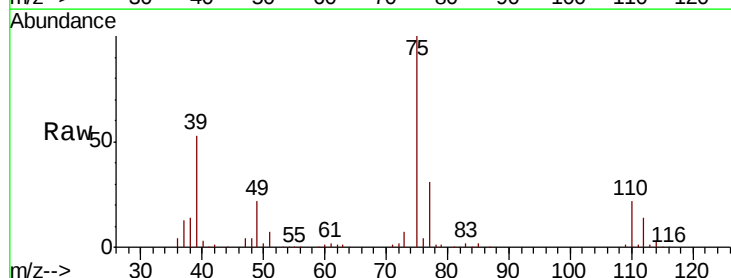
Acq: 06 Oct 2020 15:30

Tgt Ion: 75 Resp: 188631

Ion Ratio Lower Upper

75 100

77 31.1 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU040524.D (-2121) (-)

Ion 77.00 (76.70 to 77.70): VU040524.D (-2121) (-)

8.21

120000

100000

80000

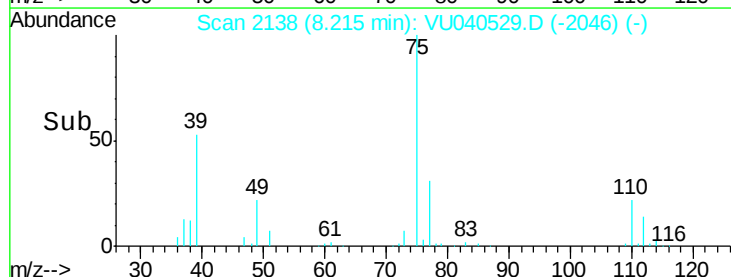
60000

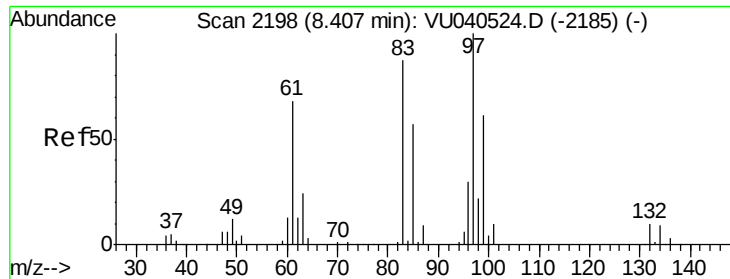
40000

20000

0

Time-->

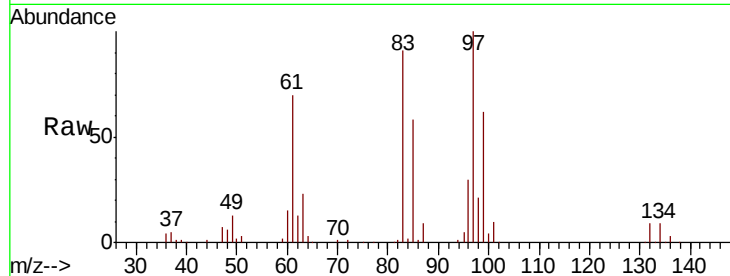




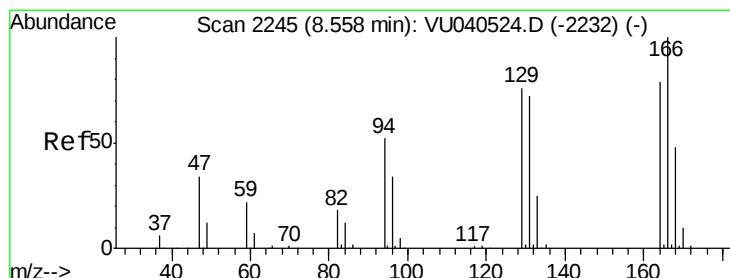
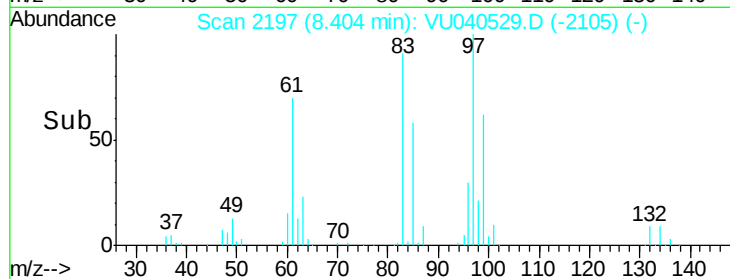
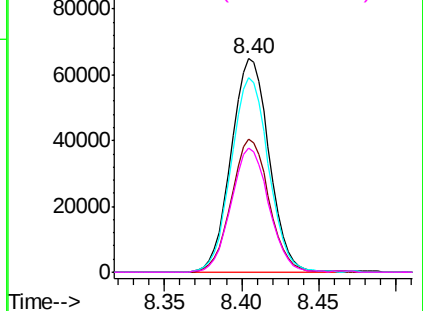
#45
 1,1,2-Trichloroethane
 Concen: 47.683 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040529.D
 Acq: 06 Oct 2020 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV201

Tot Ion:	97	Resp:	110890
Ion	Ratio	Lower	Upper
97	100		
99	62.2	42.7	79.3
83	91.1	61.0	113.4
85	58.3	39.8	73.8

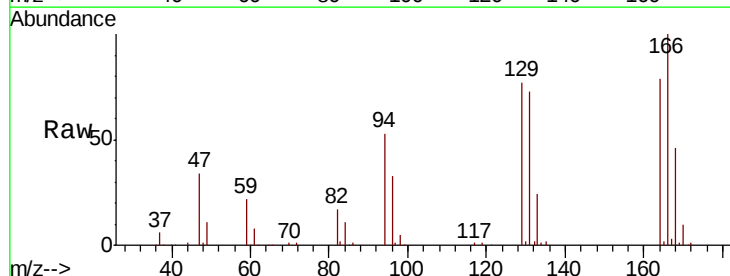


Abundance Ion 97.00 (96.70 to 97.70): VU040529.D (-2198) (-)
 Ion 99.00 (98.70 to 99.70): VU040529.D (-2198) (-)
 Ion 83.00 (82.70 to 83.70): VU040529.D (-2198) (-)
 Ion 85.00 (84.70 to 85.70): VU040529.D (-2198) (-)

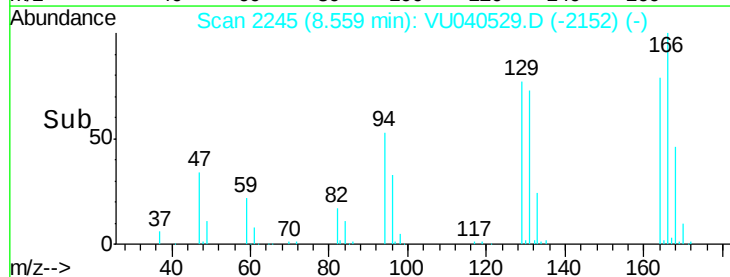
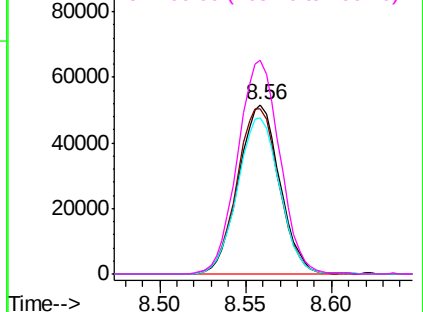


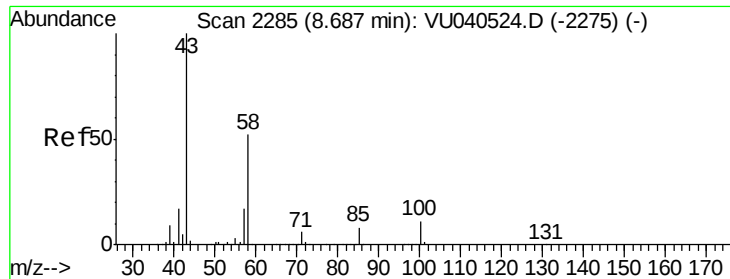
#46
 Tetrachloroethene
 Concen: 48.916 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040529.D
 Acq: 06 Oct 2020 15:30

Tgt Ion:	164	Resp:	86078
Ion	Ratio	Lower	Upper
164	100		
129	97.9	67.4	125.2
131	92.6	63.8	118.6
166	126.3	88.7	164.7



Abundance Ion 164.00 (163.70 to 164.70): VU040529.D (-2245) (-)
 Ion 129.00 (128.70 to 129.70): VU040529.D (-2245) (-)
 Ion 131.00 (130.70 to 131.70): VU040529.D (-2245) (-)
 Ion 166.00 (165.70 to 166.70): VU040529.D (-2245) (-)

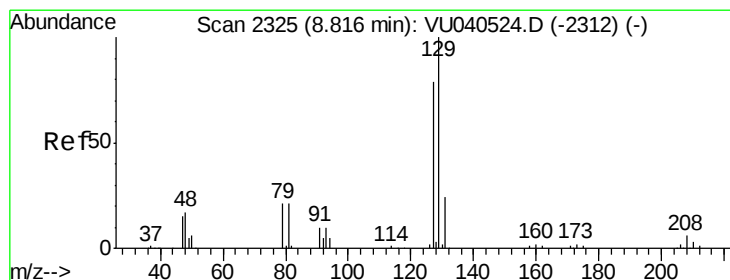
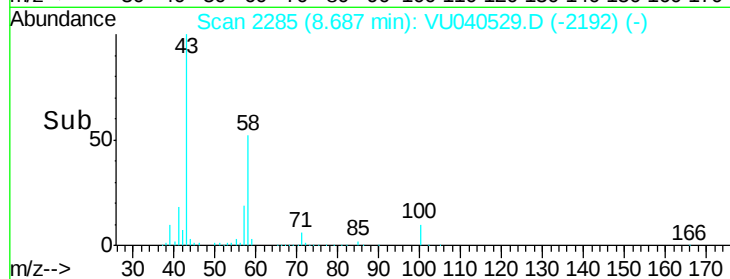
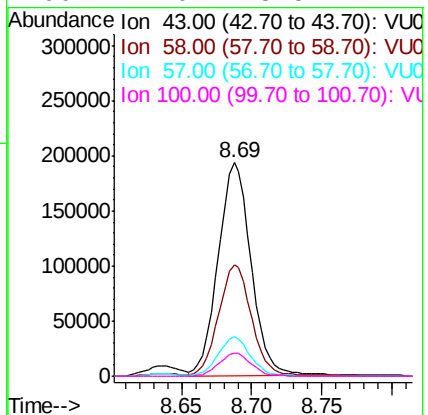
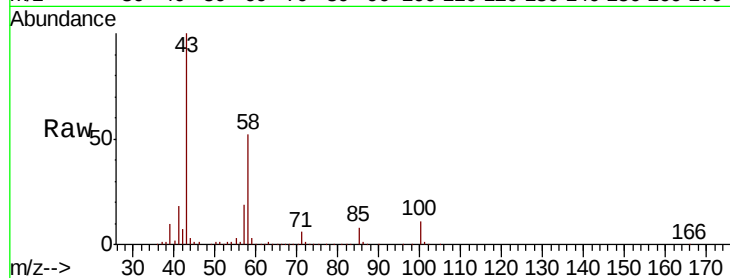




#48
2-Hexanone
Concen: 94.082 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VU040529.D
Acq: 06 Oct 2020 15:30

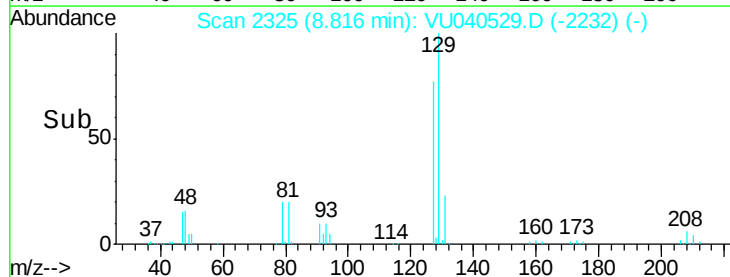
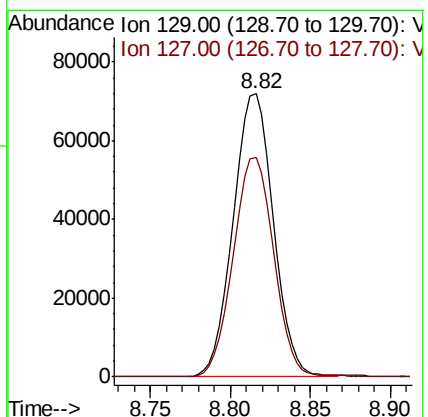
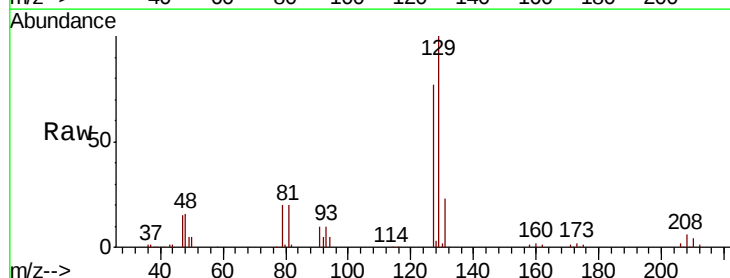
Instrument :
MSVOA_U
ClientSampleId :
VICV201

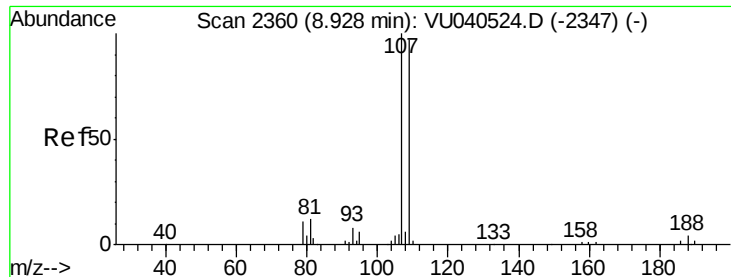
Tot Ion:	43	Resp:	313229
Ion	Ratio	Lower	Upper
43	100		
58	52.3	40.6	60.8
57	18.2	14.3	21.5
100	11.0	8.5	12.7



#49
Dibromochloromethane
Concen: 48.523 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040529.D
Acq: 06 Oct 2020 15:30

Tgt Ion:	129	Resp:	123216
Ion	Ratio	Lower	Upper
129	100		
127	77.4	54.9	102.1

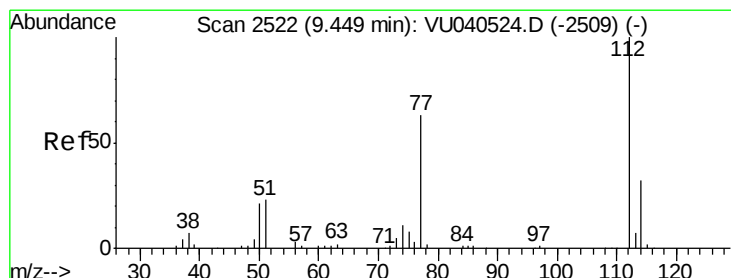
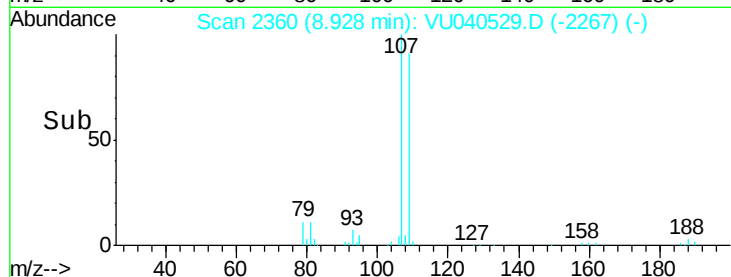
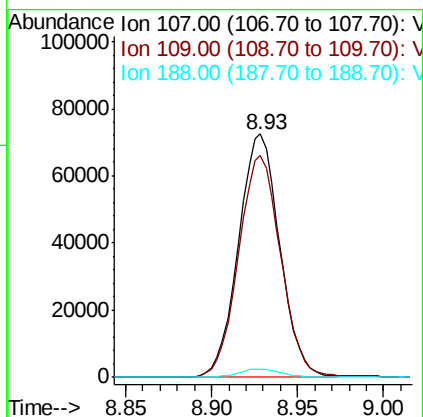
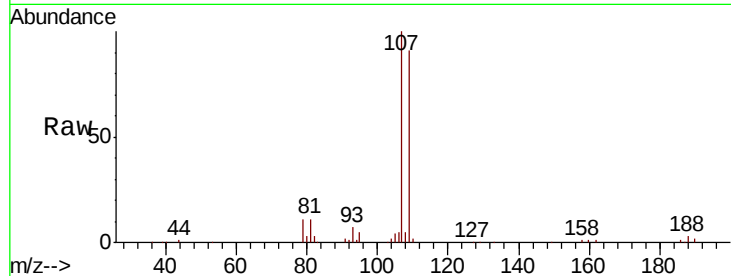




#50
1,2-Dibromoethane
Concen: 49.005 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU040529.D
Acq: 06 Oct 2020 15:30

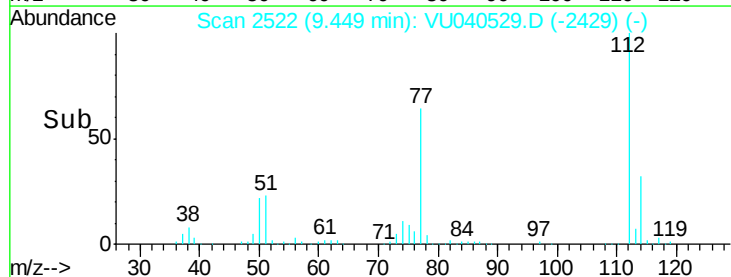
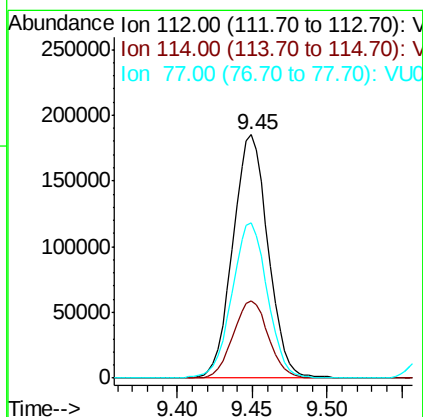
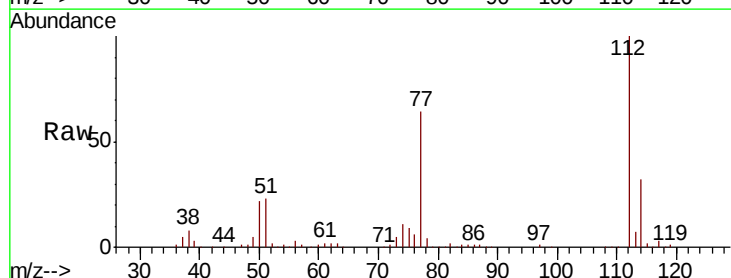
Instrument :
MSVOA_U
ClientSampleId :
VICV201

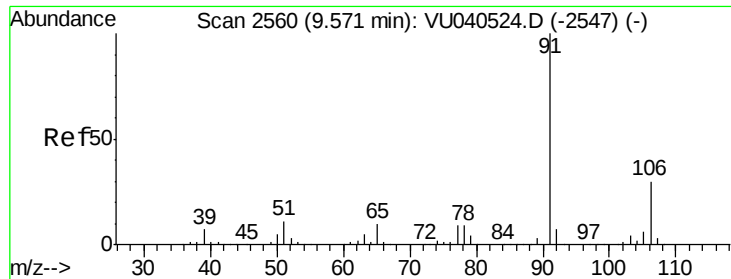
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.3	67.8	125.8
188	3.4	2.8	4.2



#51
Chlorobenzene
Concen: 47.939 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040529.D
Acq: 06 Oct 2020 15:30

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.1	41.1
77	63.5	50.4	75.6





#52

Ethylbenzene

Concen: 50.040 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040529.D

Acq: 06 Oct 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

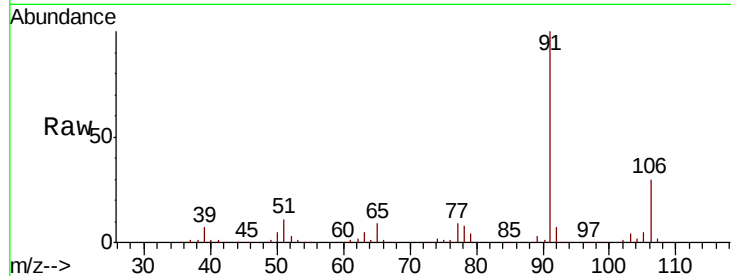
VICV201

Tot Ion: 91 Resp: 536074

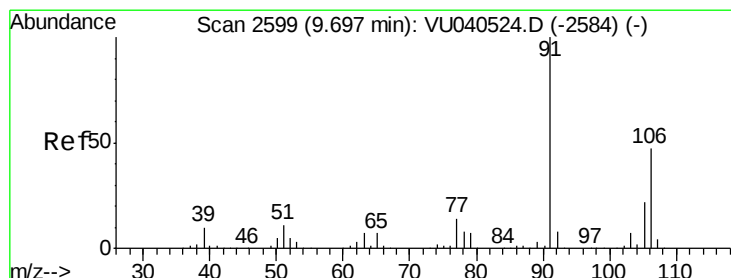
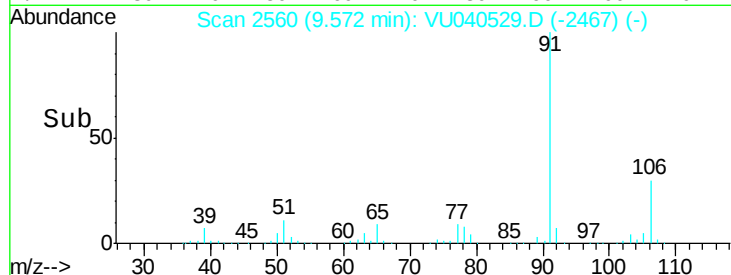
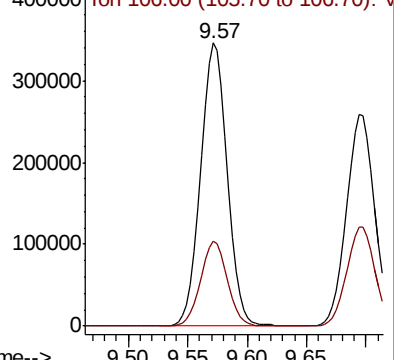
Ion Ratio Lower Upper

91 100

106 29.9 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VU040529.D (-2506) (-)



#53

m,p-Xylene

Concen: 50.511 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040529.D

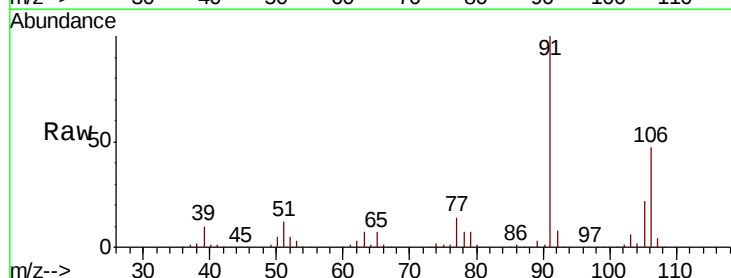
Acq: 06 Oct 2020 15:30

Tgt Ion: 106 Resp: 199260

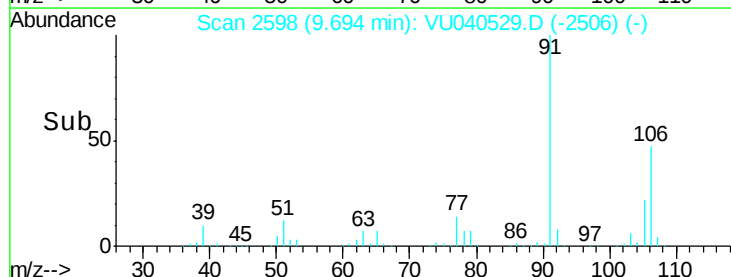
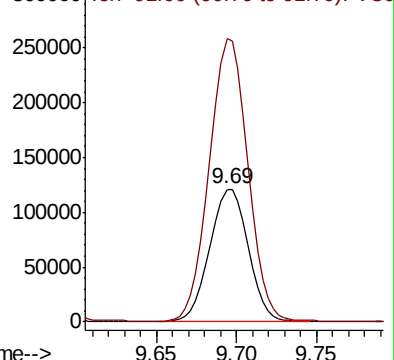
Ion Ratio Lower Upper

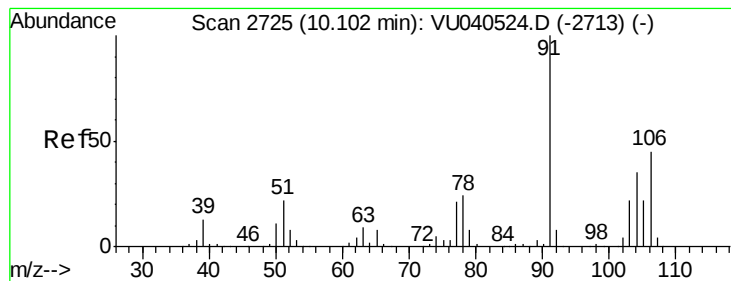
106 100

91 213.4 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): VU040529.D (-2506) (-)





#54

o-xylene

Concen: 51.432 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU040529.D

Acq: 06 Oct 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

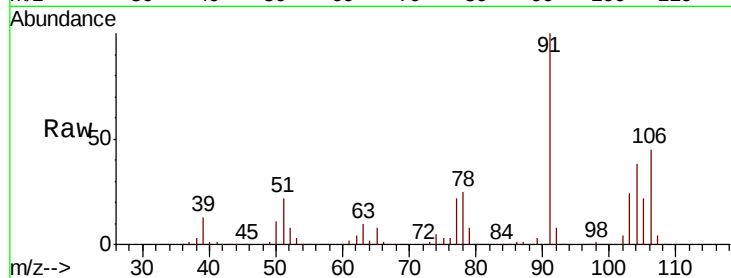
VICV201

Tot Ion:106 Resp: 193035

Ion Ratio Lower Upper

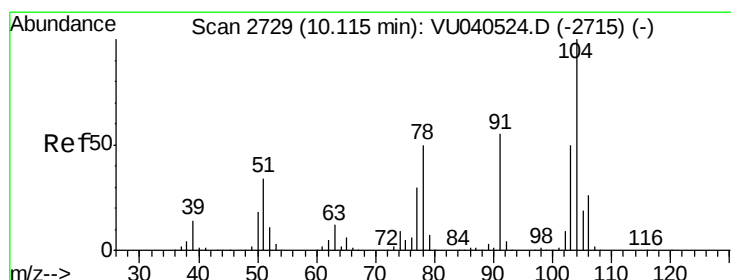
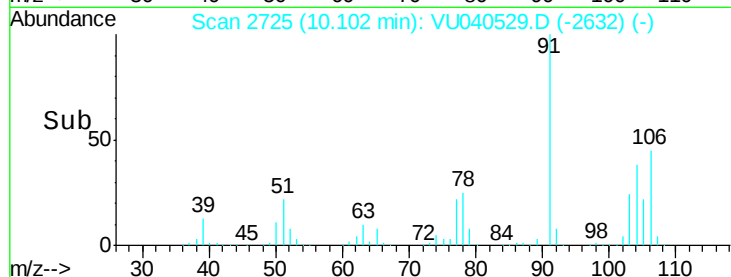
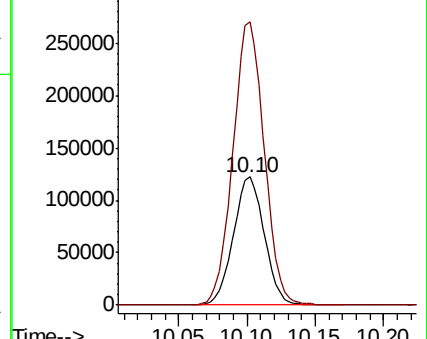
106 100

91 221.1 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.300 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU040529.D

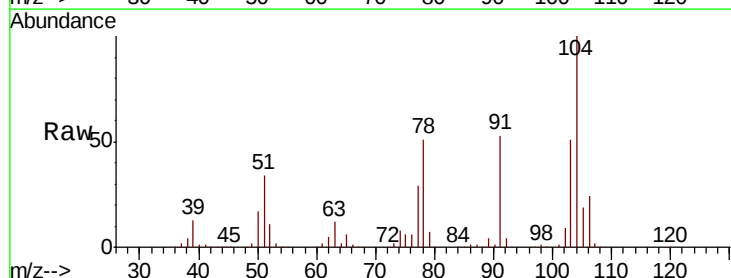
Acq: 06 Oct 2020 15:30

Tgt Ion:104 Resp: 339138

Ion Ratio Lower Upper

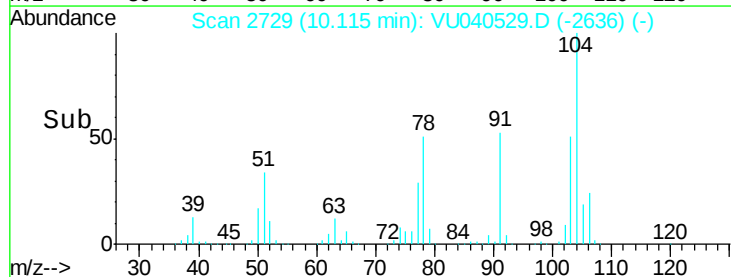
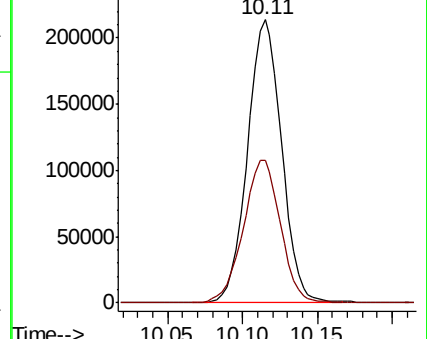
104 100

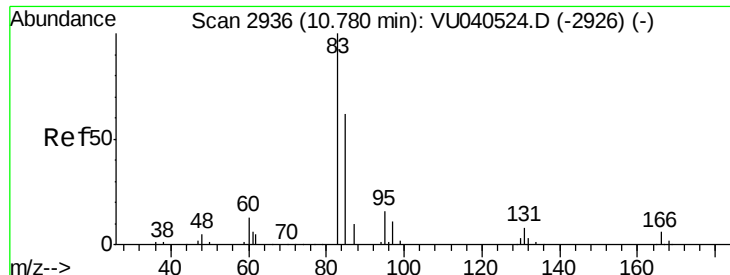
78 50.6 35.2 65.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

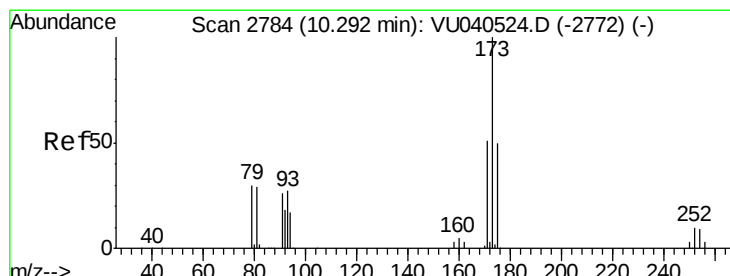
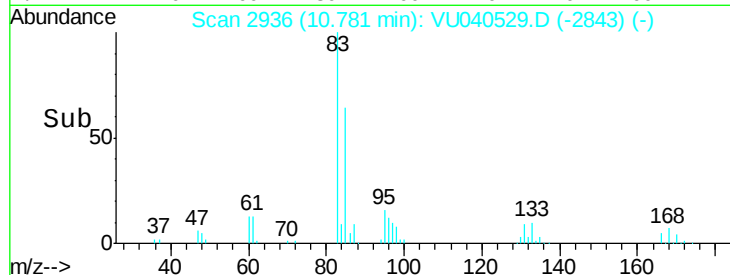
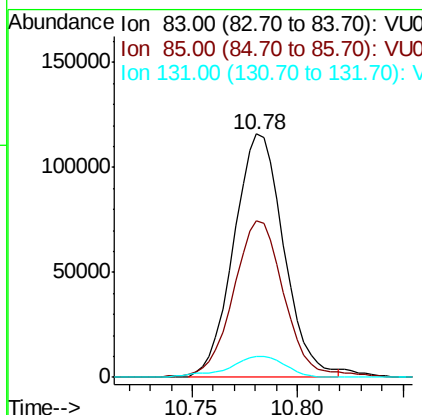
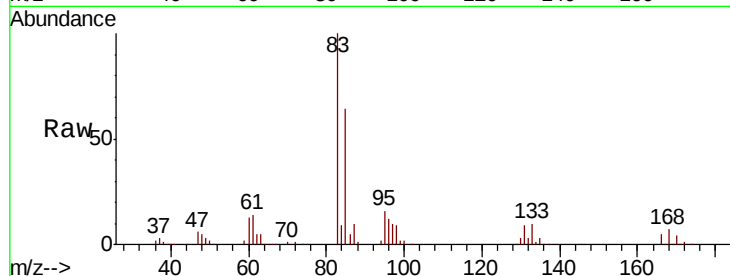




#57
 1,1,2,2-Tetrachloroethane
 Concen: 46.440 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. 0.00 min
 Lab File: VU040529.D
 Acq: 06 Oct 2020 15:30

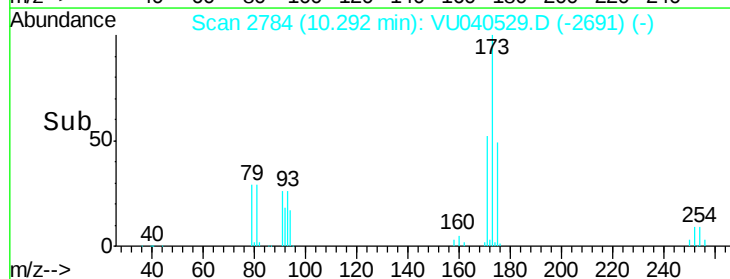
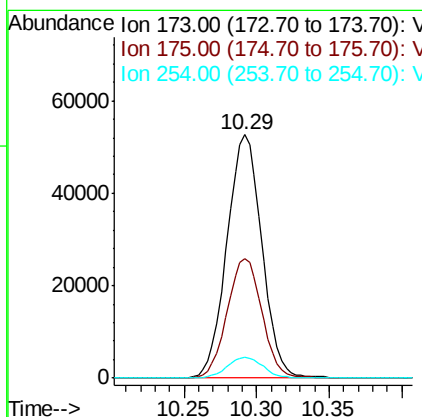
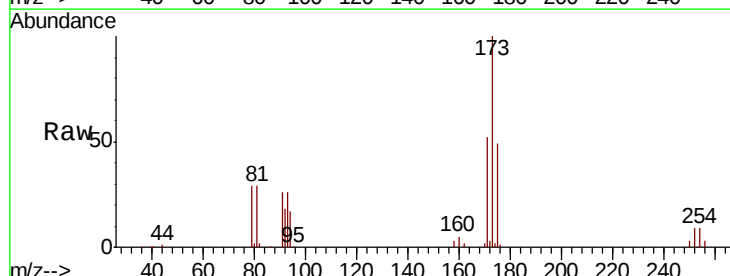
Instrument :
 MSVOA_U
 ClientSampled :
 VICV201

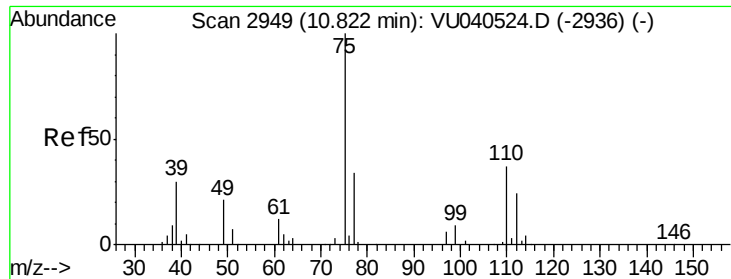
Tot Ion	83	Resp	190983
Ion Ratio	Lower	Upper	
83	100		
85	64.5	44.2	82.2
131	8.8	7.1	10.7



#59
 Bromoform
 Concen: 45.618 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU040529.D
 Acq: 06 Oct 2020 15:30

Tgt Ion	173	Resp	87907
Ion Ratio	Lower	Upper	
173	100		
175	49.0	38.5	57.7
254	8.8	7.0	10.6

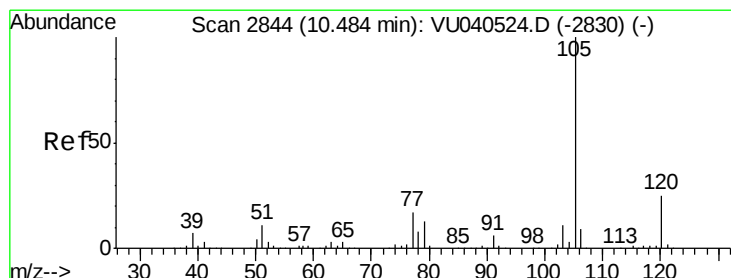
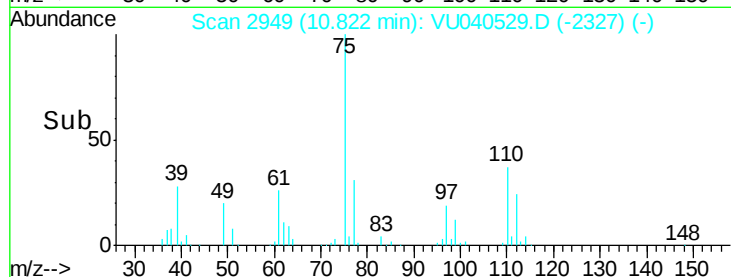
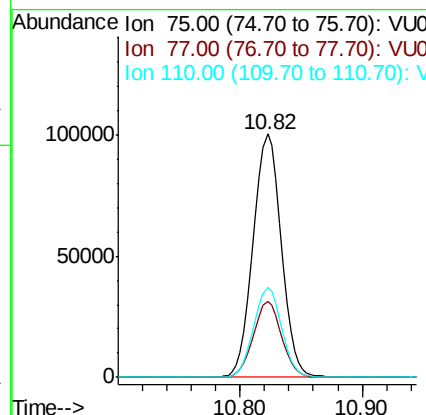
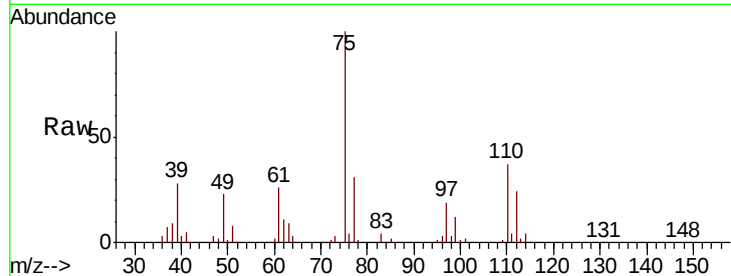




#60
 1,2,3-Trichloropropane
 Concen: 44.589 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040529.D
 Acq: 06 Oct 2020 15:30

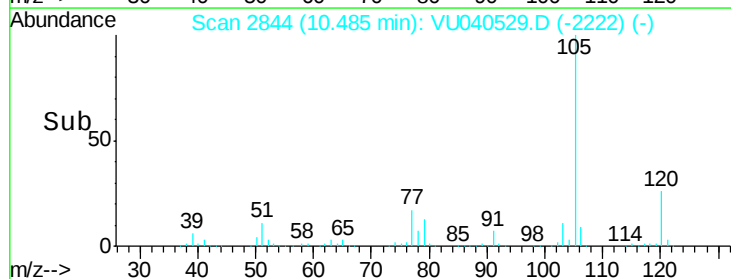
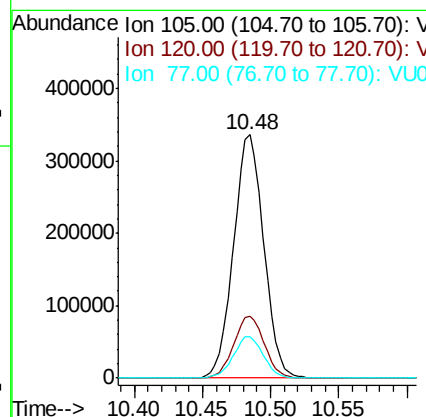
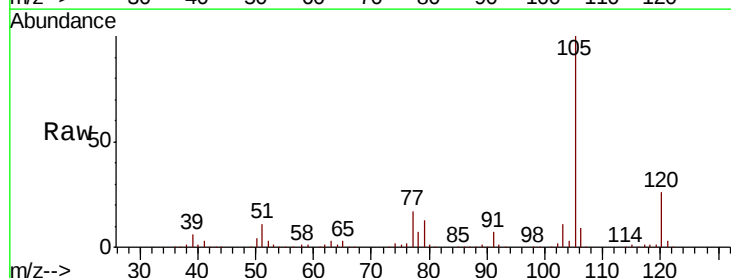
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV201

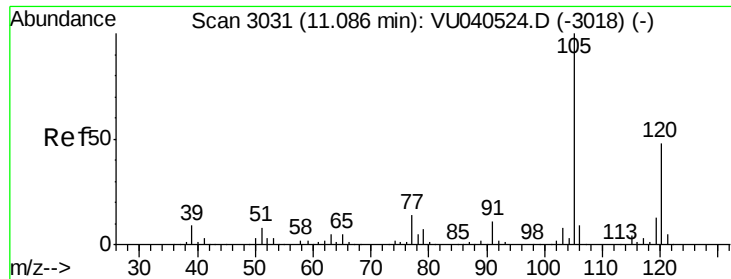
Tot Ion: 75 Resp: 159242
 Ion Ratio Lower Upper
 75 100
 77 31.2 26.4 39.6
 110 36.7 30.1 45.1



#61
 Isopropylbenzene
 Concen: 49.014 ug/L
 RT: 10.48 min Scan# 2844
 Delta R.T. 0.00 min
 Lab File: VU040529.D
 Acq: 06 Oct 2020 15:30

Tgt Ion: 105 Resp: 517520
 Ion Ratio Lower Upper
 105 100
 120 25.7 20.7 31.1
 77 16.9 13.8 20.8





#62

1,3,5-Trimethylbenzene

Concen: 50.096 ug/L

RT: 11.09 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VU040529.D

Acq: 06 Oct 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

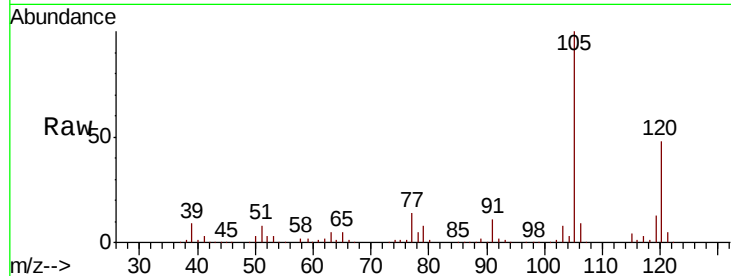
VICV201

Tot Ion:105 Resp: 434582

Ion Ratio Lower Upper

105 100

120 48.3 38.6 58.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.09

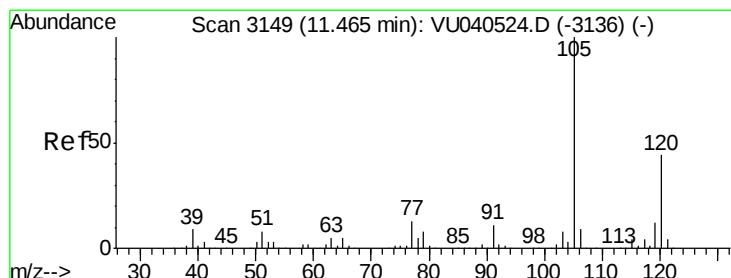
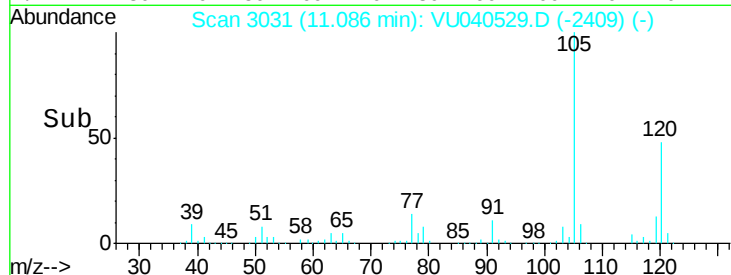
300000

200000

100000

0

Time--> 11.00 11.05 11.10 11.15



#63

1,2,4-Trimethylbenzene

Concen: 50.274 ug/L

RT: 11.47 min Scan# 3149

Delta R.T. 0.00 min

Lab File: VU040529.D

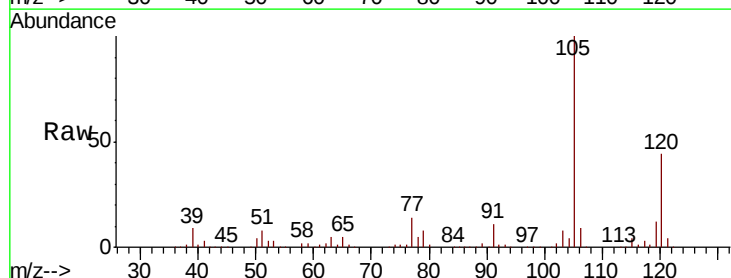
Acq: 06 Oct 2020 15:30

Tgt Ion:105 Resp: 442321

Ion Ratio Lower Upper

105 100

120 44.9 35.7 53.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.47

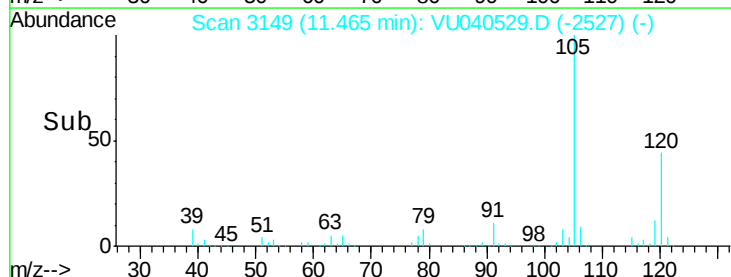
300000

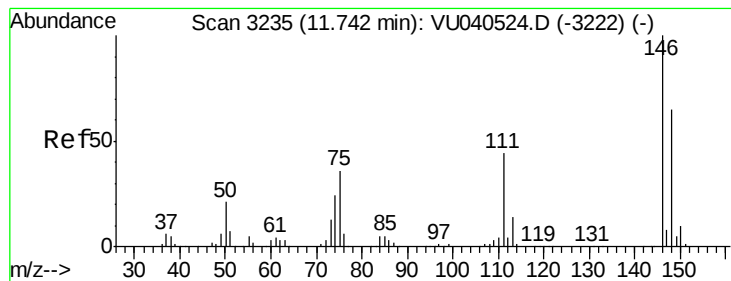
200000

100000

0

Time--> 11.40 11.45 11.50





#64

1,3-Dichlorobenzene

Concen: 47.327 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040529.D

Acq: 06 Oct 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

VICV201

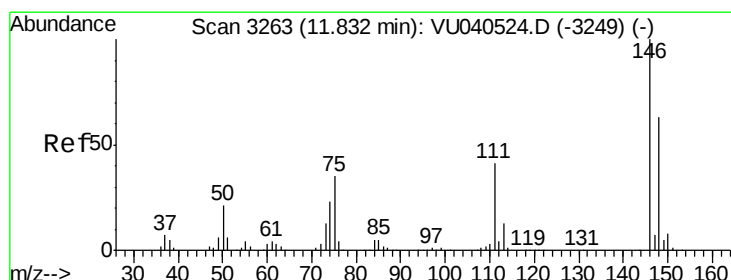
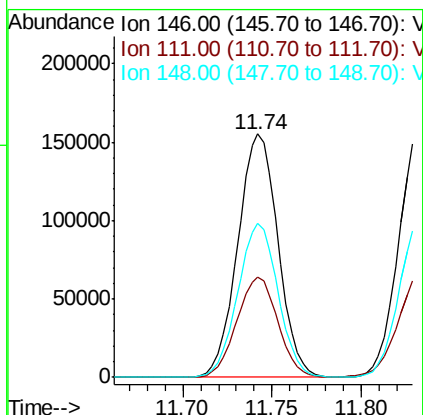
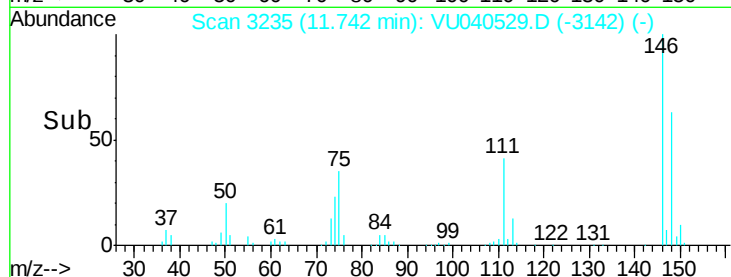
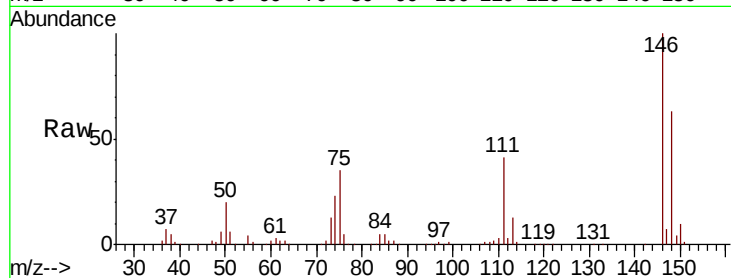
Tot Ion:146 Resp: 243658

Ion Ratio Lower Upper

146 100

111 41.3 30.8 57.2

148 63.2 45.4 84.2



#65

1,4-Dichlorobenzene

Concen: 45.770 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040529.D

Acq: 06 Oct 2020 15:30

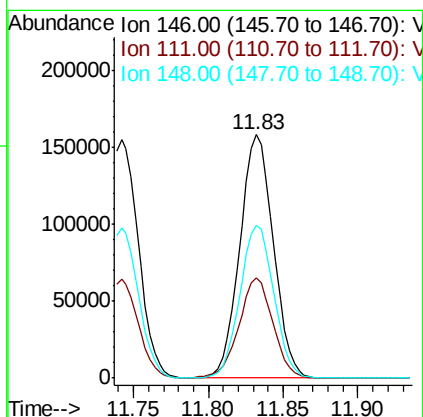
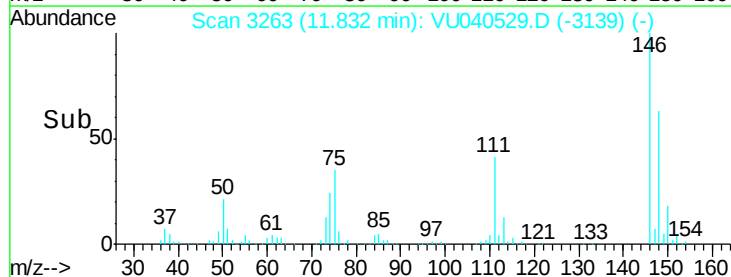
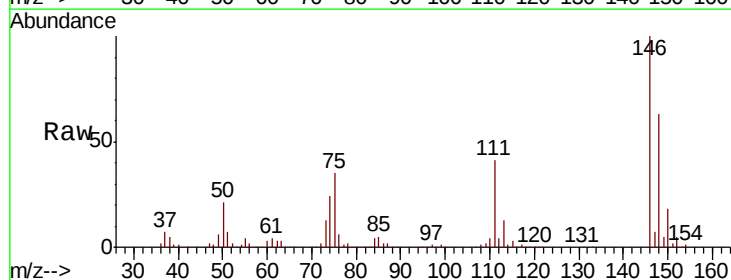
Tgt Ion:146 Resp: 247495

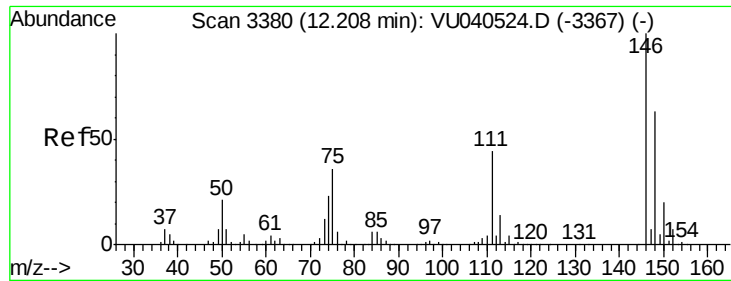
Ion Ratio Lower Upper

146 100

111 41.0 28.7 53.3

148 62.8 44.1 81.9

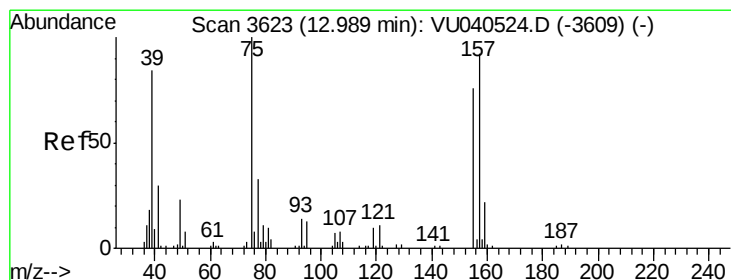
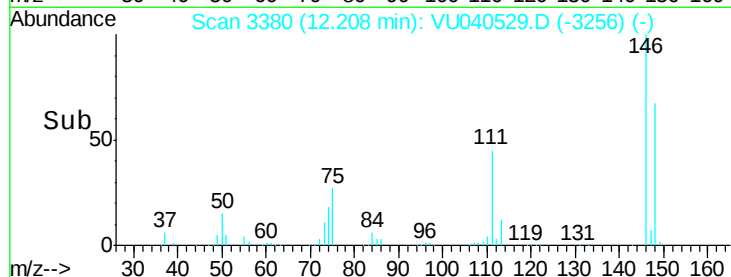
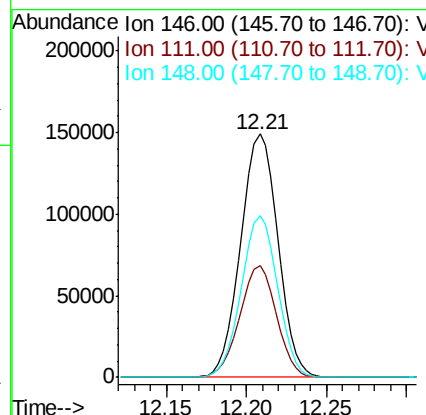
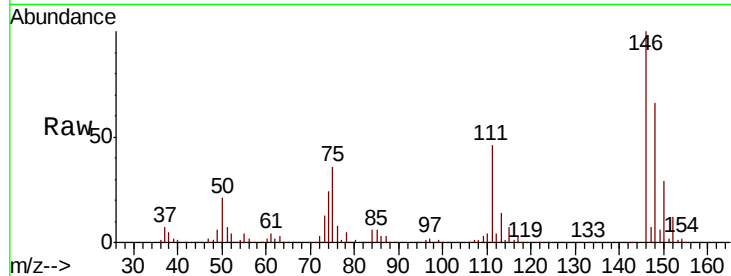




#67
 1,2-Dichlorobenzene
 Concen: 45.819 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040529.D
 Acq: 06 Oct 2020 15:30

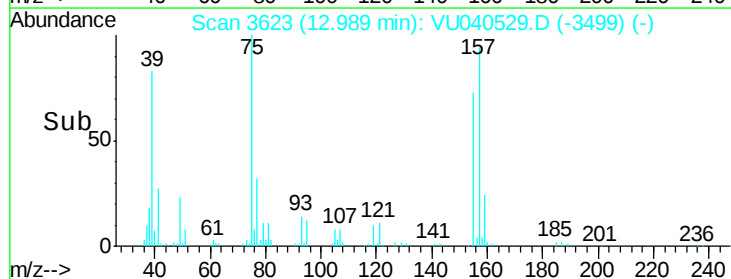
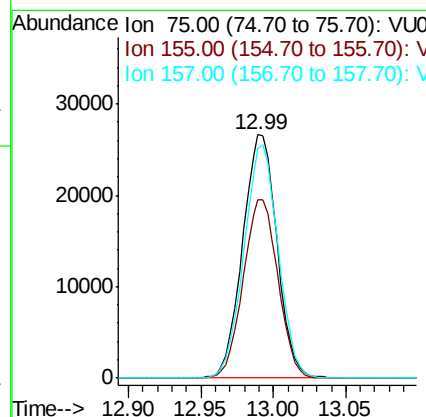
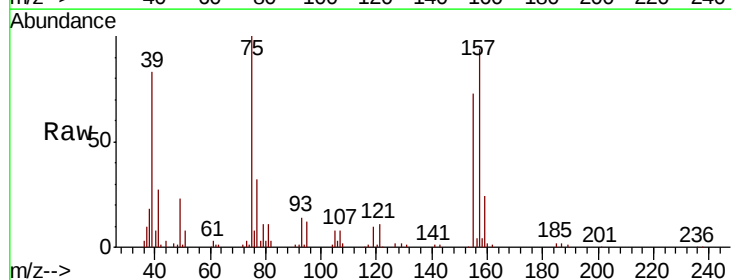
Instrument :
 MSVOA_U
 ClientSampled :
 VICV201

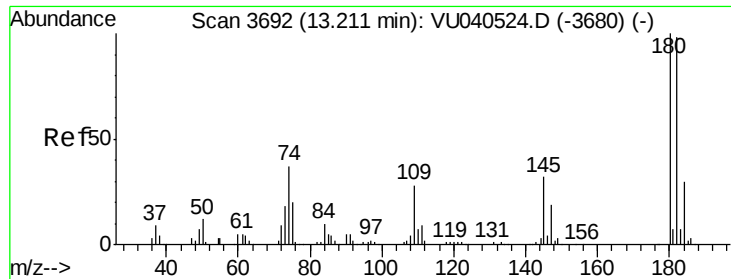
Tot Ion:146 Resp: 236310
 Ion Ratio Lower Upper
 146 100
 111 45.8 35.7 53.5
 148 66.2 50.6 75.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 43.778 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU040529.D
 Acq: 06 Oct 2020 15:30

Tgt Ion: 75 Resp: 43927
 Ion Ratio Lower Upper
 75 100
 155 73.5 61.0 91.6
 157 94.1 73.5 110.3

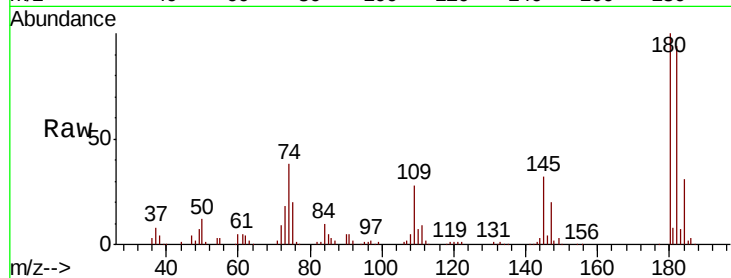




#69
 1,3,5-Trichlorobenzene
 Concen: 48.212 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040529.D
 Acq: 06 Oct 2020 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV201

Tot Ion	180	Resp	162630
Ion Ratio	Lower	Upper	
180	100		
182	94.3	76.9	115.3
184	30.0	24.2	36.2
145	31.6	25.4	38.2

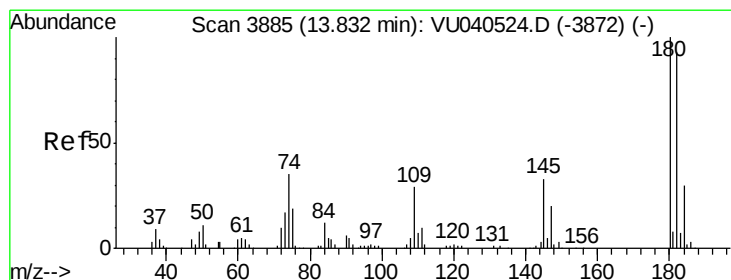
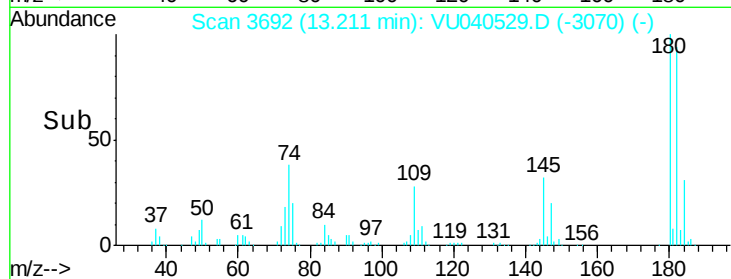
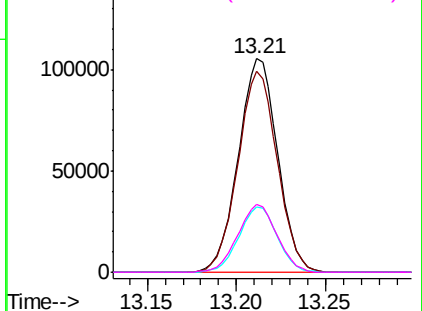


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

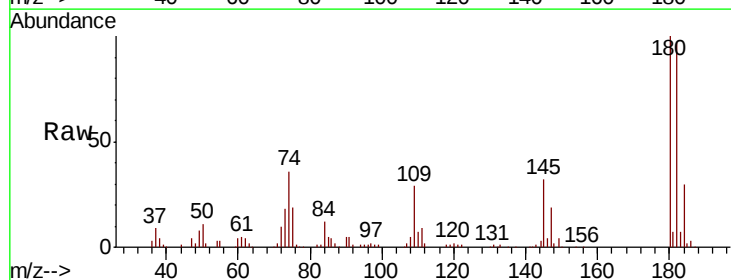
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 47.419 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040529.D
 Acq: 06 Oct 2020 15:30

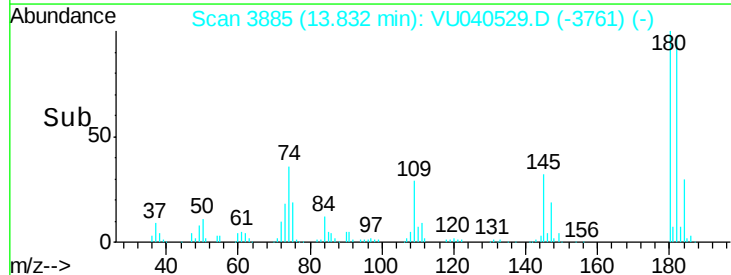
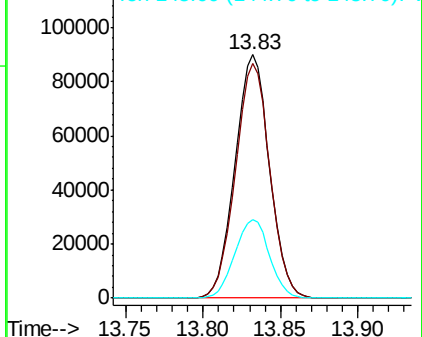
Tgt Ion	180	Resp	138639
Ion Ratio	Lower	Upper	
180	100		
182	96.5	75.0	112.6
145	32.5	25.9	38.9

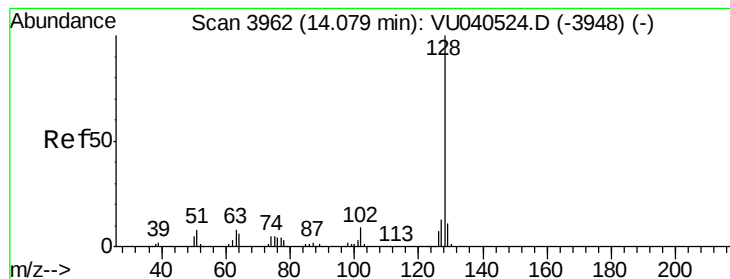


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#71

Naphthalene

Concen: 47.699 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU040529.D

Acq: 06 Oct 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

VICV201

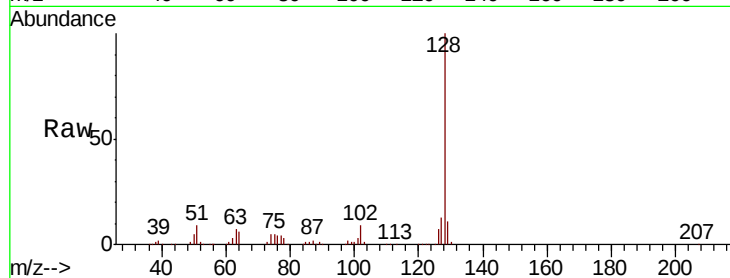
Tot Ion:128 Resp: 431057

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

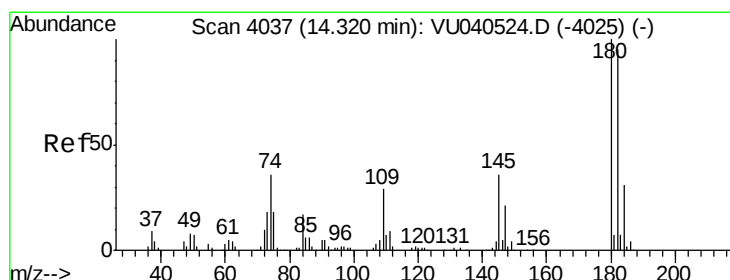
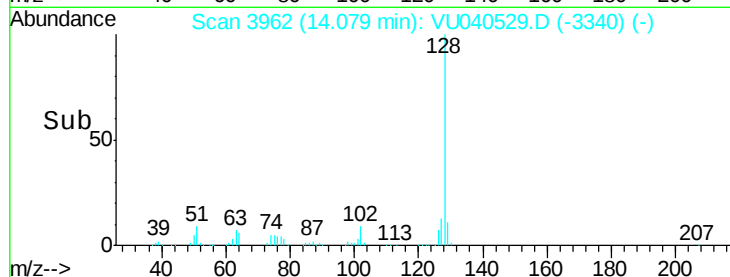
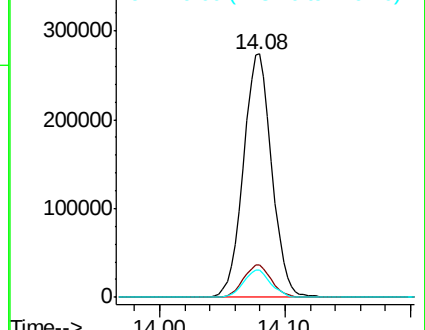
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#72

1,2,3-Trichlorobenzene

Concen: 47.038 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU040529.D

Acq: 06 Oct 2020 15:30

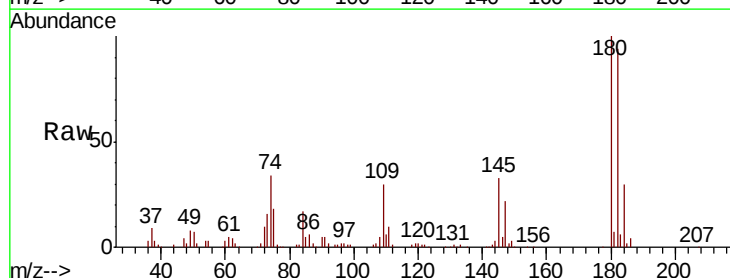
Tgt Ion:180 Resp: 136508

Ion Ratio Lower Upper

180 100

182 95.9 77.7 116.5

145 34.5 28.4 42.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

