

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122920\
 Data File : VU041835.D
 Acq On : 29 Dec 2020 14:07
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Quant Time: Dec 30 01:50:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 30 01:48:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	158335	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	154014	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	79069	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	61294	4.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.00%
7) Chloroethane-d5	1.92	69	59777	6.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	124.80%
11) 1,1-Dichloroethene-d2	2.58	63	119868	5.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.20%
20) 2-Butanone-d5	4.66	46	162695	45.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.52%
24) Chloroform-d	5.08	84	111377	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	5.71	65	59995	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.74	84	213964	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.70	67	66518	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.90	98	204942	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
43) trans-1,3-Dichloropropene-	8.18	79	29226	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	8.64	63	155983	45.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.78%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	61660	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	76183	5.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	65569	4.888 ug/L	98
3) Chloromethane	1.52	50	62797	4.819 ug/L	98
5) Vinyl chloride	1.61	62	76641	5.326 ug/L	98
6) Bromomethane	1.86	94	50070	5.565 ug/L	98
8) Chloroethane	1.94	64	45812	4.687 ug/L	97
9) Trichlorofluoromethane	2.14	101	101715	5.585 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	57661	5.294 ug/L	98
12) 1,1-Dichloroethene	2.59	96	54332	5.058 ug/L	92
13) Acetone	2.67	43	100118	44.266 ug/L	99
14) Carbon disulfide	2.80	76	182980	4.929 ug/L	100
15) Methyl Acetate	2.97	43	24696	4.200 ug/L	94
16) Methylene chloride	3.06	84	63658	4.962 ug/L	92
17) Methyl tert-butyl Ether	3.38	73	131672	4.594 ug/L	99
18) trans-1,2-Dichloroethene	3.36	96	53738	4.837 ug/L	96
19) 1,1-Dichloroethane	3.88	63	86383	4.160 ug/L	93
21) 2-Butanone	4.74	43	137105	37.216 ug/L	94
22) cis-1,2-Dichloroethene	4.68	96	53205	4.333 ug/L	97

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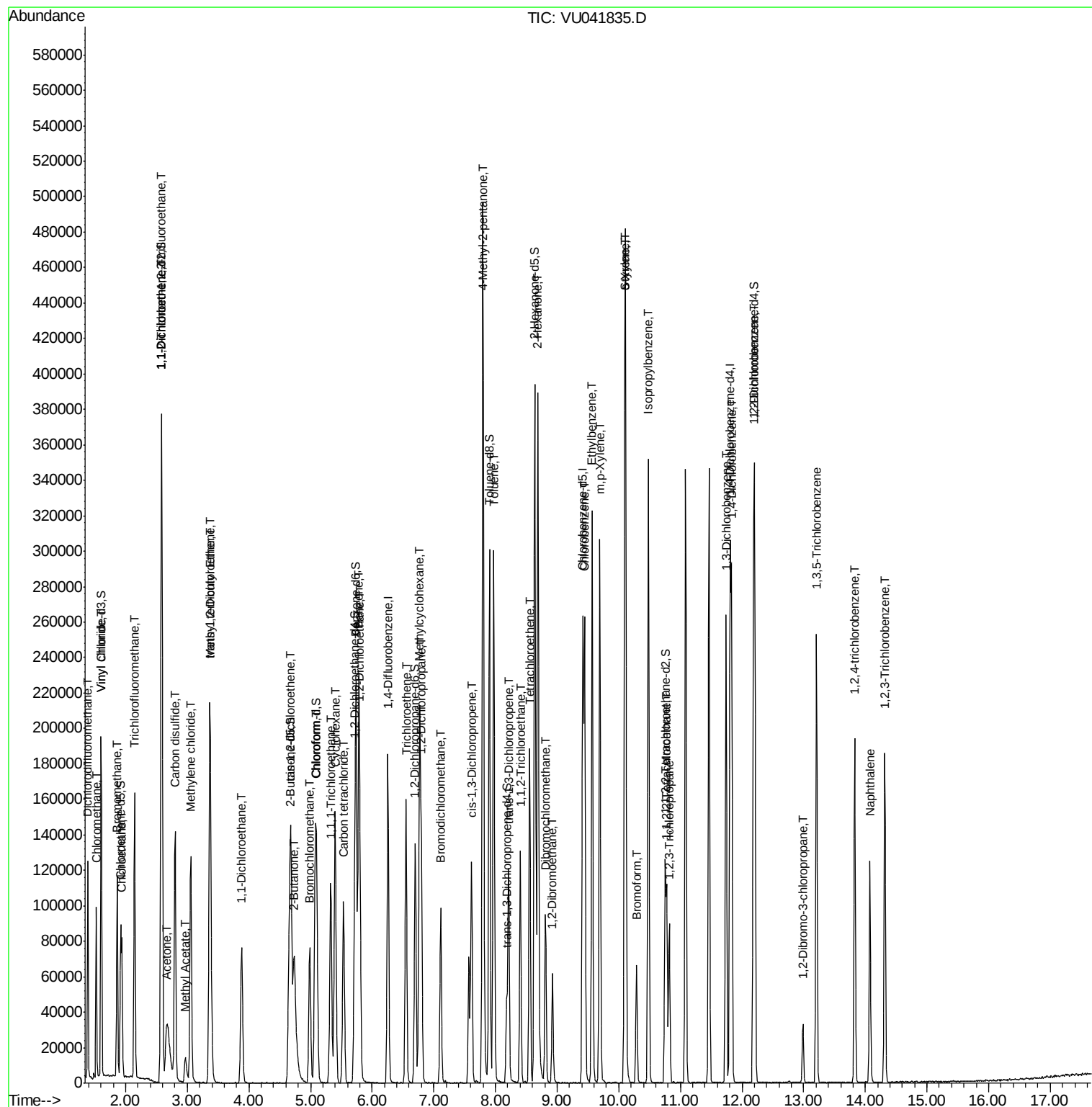
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	26772	4.746	ug/L	83
25) Chloroform	5.10	83	93577	4.475	ug/L	96
27) 1,2-Dichloroethane	5.81	62	57430	4.056	ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	81615	4.614	ug/L	97
30) Cyclohexane	5.40	56	72818	3.673	ug/L	88
31) Carbon tetrachloride	5.54	117	72646	4.750	ug/L	98
33) Benzene	5.78	78	209058	4.244	ug/L	100
34) Trichloroethene	6.55	95	53624	4.332	ug/L	88
35) Methylcyclohexane	6.77	83	81227	4.060	ug/L	97
37) 1,2-Dichloropropane	6.80	63	51515	4.089	ug/L #	98
38) Bromodichloromethane	7.11	83	67321	4.295	ug/L	97
39) cis-1,3-Dichloropropene	7.61	75	76531	4.100	ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	315121	35.150	ug/L #	94
42) Toluene	7.97	91	226541	4.455	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	70721	4.236	ug/L	95
45) 1,1,2-Trichloroethane	8.40	97	41955	4.503	ug/L	97
47) Tetrachloroethene	8.56	164	43032	4.966	ug/L	96
48) 2-Hexanone	8.69	43	243838	37.373	ug/L #	96
49) Dibromochloromethane	8.81	129	51658	4.827	ug/L	98
50) 1,2-Dibromoethane	8.92	107	39873	4.326	ug/L #	96
51) Chlorobenzene	9.45	112	142035	4.493	ug/L	95
52) Ethylbenzene	9.57	91	230769	4.262	ug/L	99
53) m,p-Xylene	9.69	106	90629	4.488	ug/L	99
54) o-Xylene	10.10	106	88314	4.465	ug/L	98
55) Styrene	10.11	104	149572	4.377	ug/L	97
56) Isopropylbenzene	10.48	105	229644	4.362	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	51057	3.938	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	39412	4.165	ug/L	97
61) Bromoform	10.29	173	30083	5.033	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	113647	4.700	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	113269	4.659	ug/L	97
65) 1,2-Dichlorobenzene	12.21	146	109912	4.641	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	8693	3.914	ug/L #	81
67) 1,3,5-Trichlorobenzene	13.21	180	81401	4.435	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	62250	4.041	ug/L	100
69) Naphthalene	14.08	128	104212	3.268	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	58416	3.979	ug/L	98

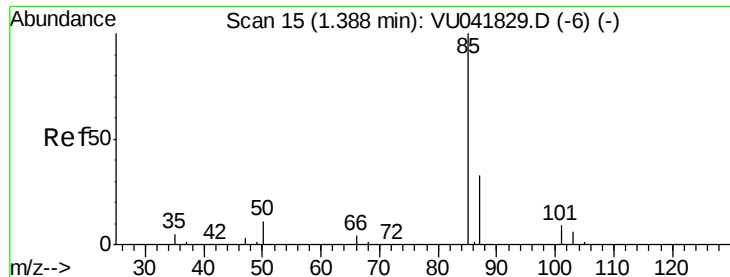
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 30 01:48:43 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.888 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041835.D

Acq: 29 Dec 2020 14:07

Instrument :

MSVOA_U

ClientSampleId :

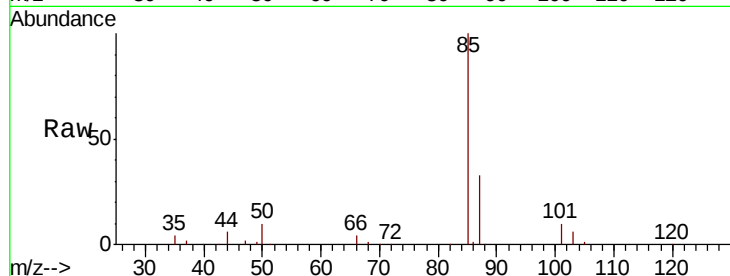
VSTD00530

Tot Ion: 85 Resp: 65569

Ion Ratio Lower Upper

85 100

87 33.2 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU041829.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VU041829.D (-6) (-)

1.39

60000

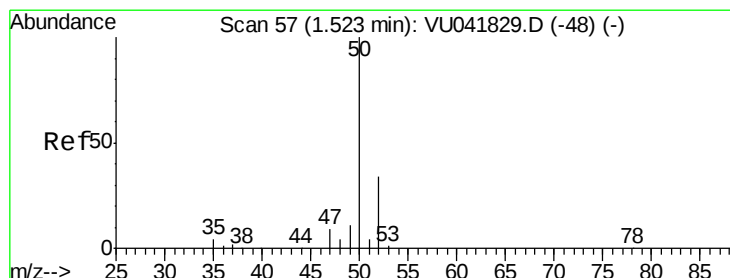
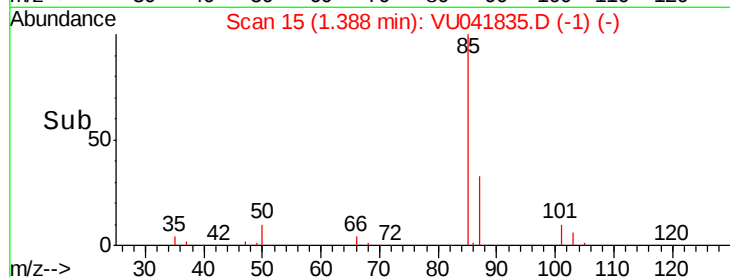
40000

20000

0

1.35 1.40

Time-->



#3

Chloromethane

Concen: 4.819 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041835.D

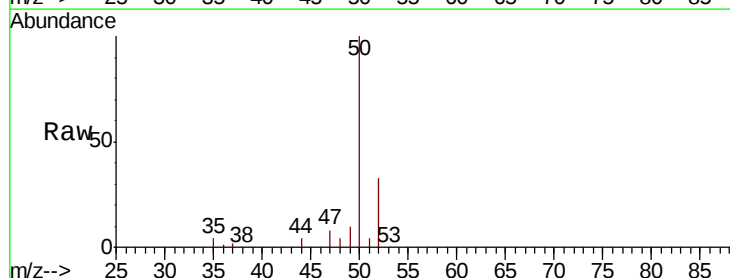
Acq: 29 Dec 2020 14:07

Tgt Ion: 50 Resp: 62797

Ion Ratio Lower Upper

50 100

52 33.1 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041829.D (-48) (-)

Ion 52.05 (51.75 to 52.75): VU041829.D (-48) (-)

1.52

60000

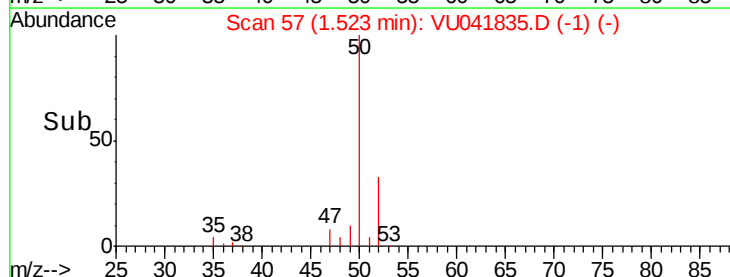
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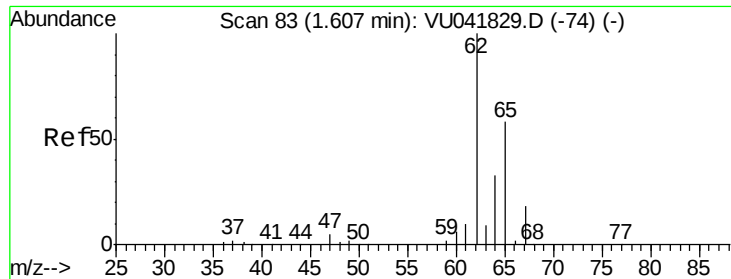
20000

0

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 5.326 ug/L

RT: 1.61 min Scan# 83

Delta R.T. 0.00 min

Lab File: VU041835.D

Acq: 29 Dec 2020 14:07

Instrument :

MSVOA_U

ClientSampleId :

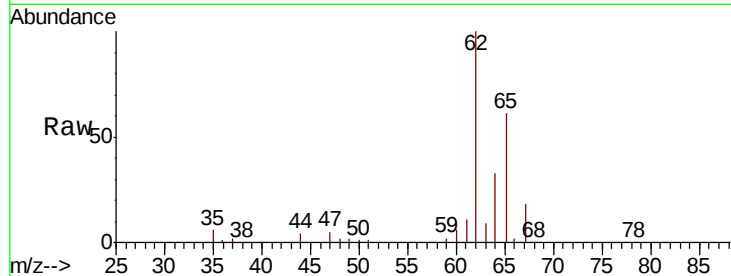
VSTD00530

Tot Ion: 62 Resp: 76641

Ion Ratio Lower Upper

62 100

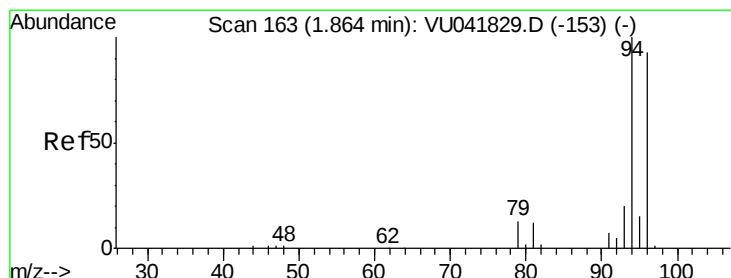
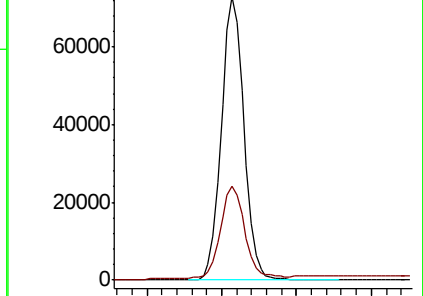
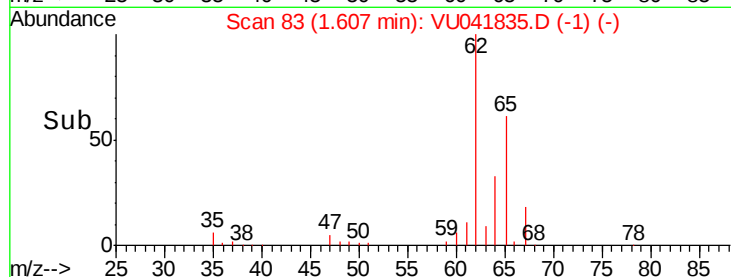
64 33.0 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VU041835.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU041835.D (-1) (-)

Time-->



#6

Bromomethane

Concen: 5.565 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU041835.D

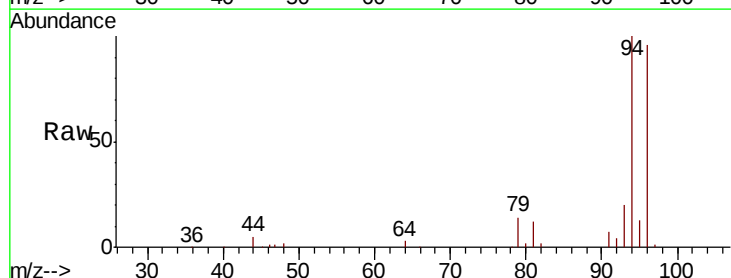
Acq: 29 Dec 2020 14:07

Tgt Ion: 94 Resp: 50070

Ion Ratio Lower Upper

94 100

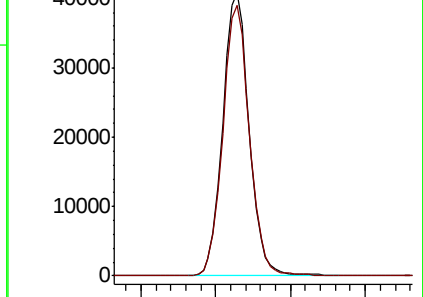
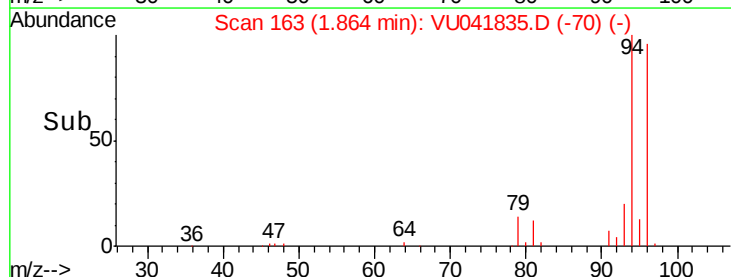
96 95.6 65.7 121.9

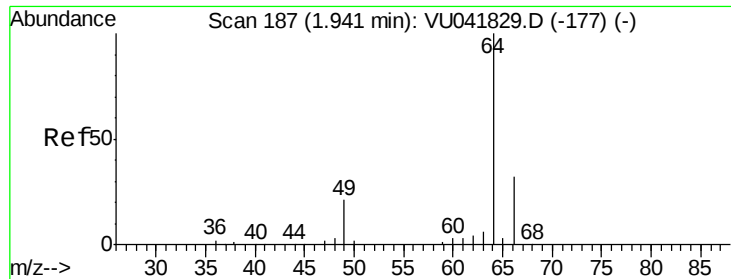


Abundance Ion 94.00 (93.70 to 94.70): VU041835.D (-70) (-)

Ion 96.00 (95.70 to 96.70): VU041835.D (-70) (-)

Time-->

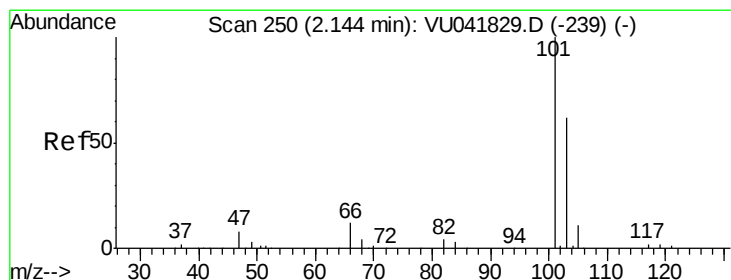
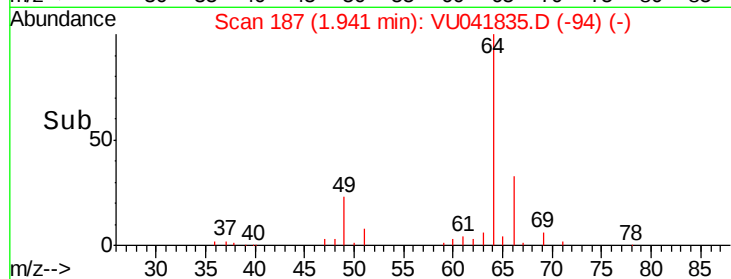
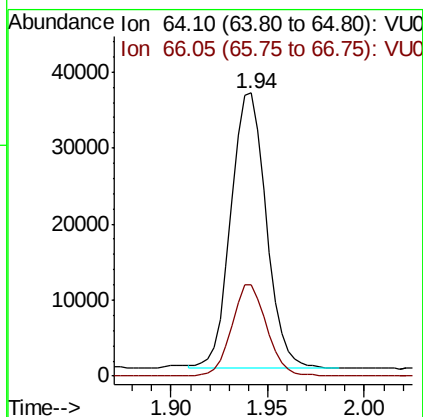
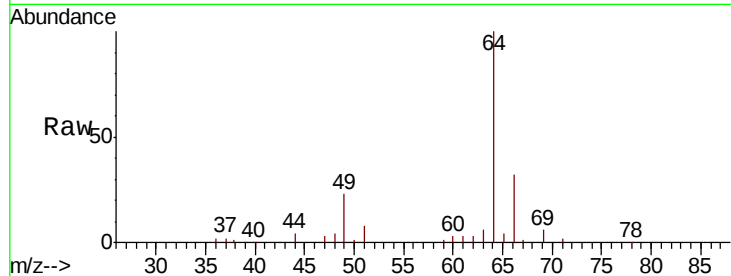




#8
Chloroethane
Concen: 4.687 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU041835.D
Acq: 29 Dec 2020 14:07

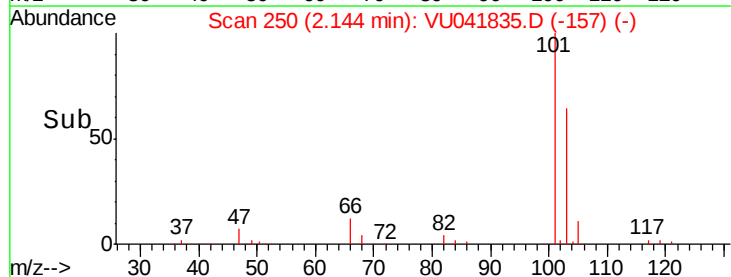
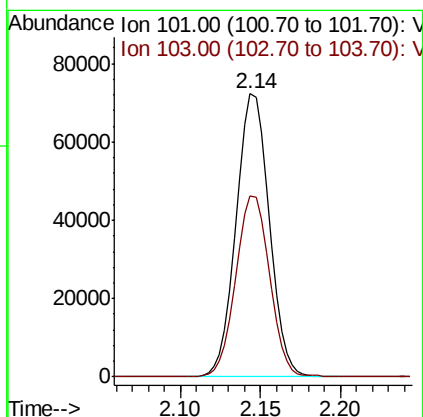
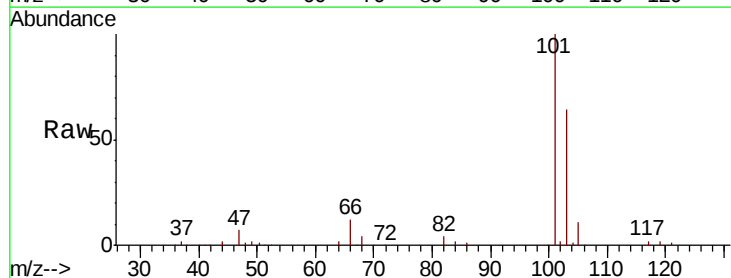
Instrument :
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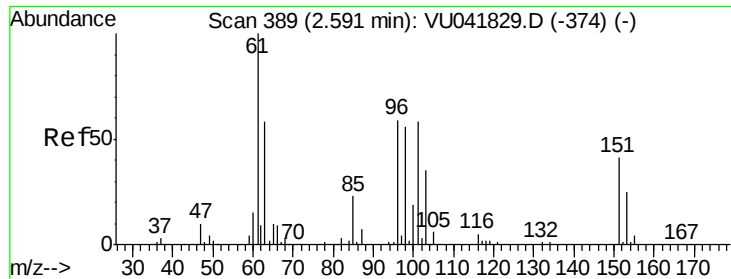
Tot Ion: 64 Resp: 45812
Ion Ratio Lower Upper
64 100
66 32.2 21.6 40.0



#9
Trichlorofluoromethane
Concen: 5.585 ug/L
RT: 2.14 min Scan# 250
Delta R.T. 0.00 min
Lab File: VU041835.D
Acq: 29 Dec 2020 14:07

Tgt Ion:101 Resp: 101715
Ion Ratio Lower Upper
101 100
103 65.6 51.1 76.7





#10

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

Concen: 5.294 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041835.D

Acq: 29 Dec 2020 14:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

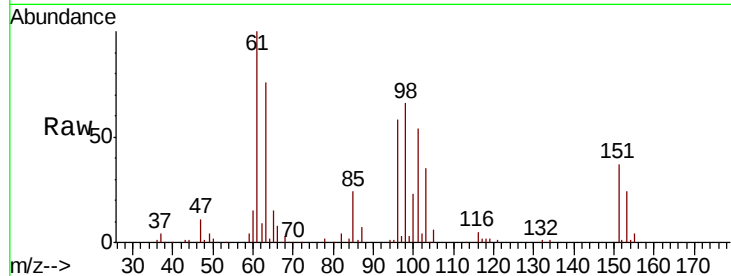
Tot Ion:101 Resp: 57661

Ion Ratio Lower Upper

101 100

85 43.0 33.6 50.4

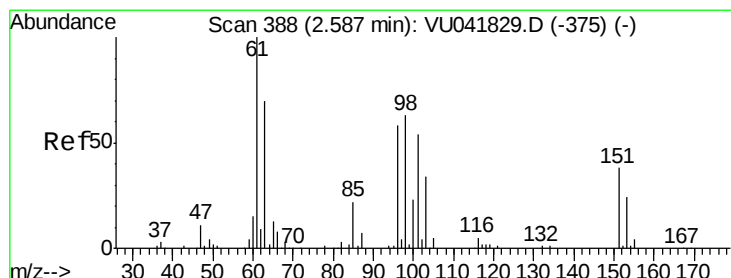
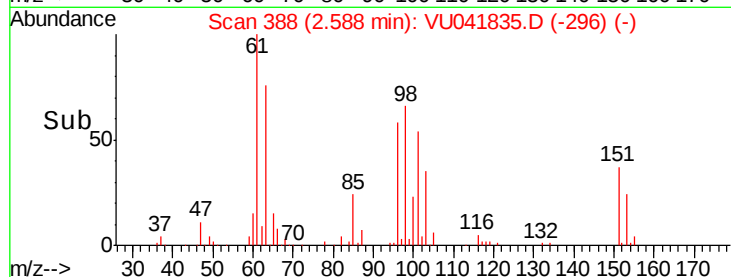
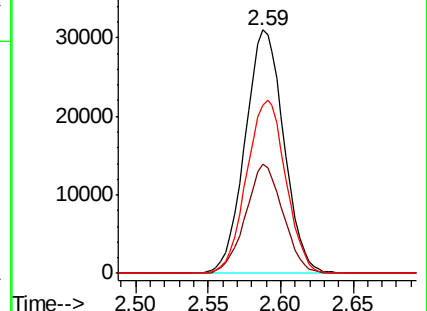
151 71.7 56.2 84.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.058 ug/L

RT: 2.59 min Scan# 388

Delta R.T. 0.00 min

Lab File: VU041835.D

Acq: 29 Dec 2020 14:07

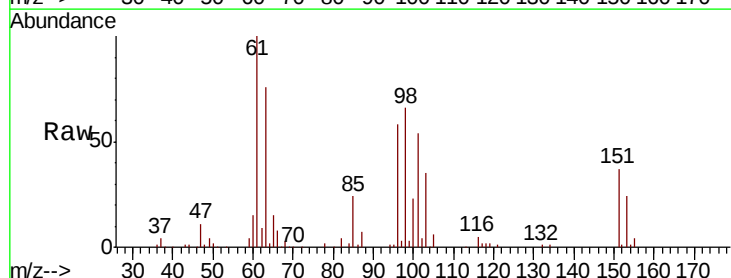
Tgt Ion: 96 Resp: 54332

Ion Ratio Lower Upper

96 100

61 171.7 123.8 230.0

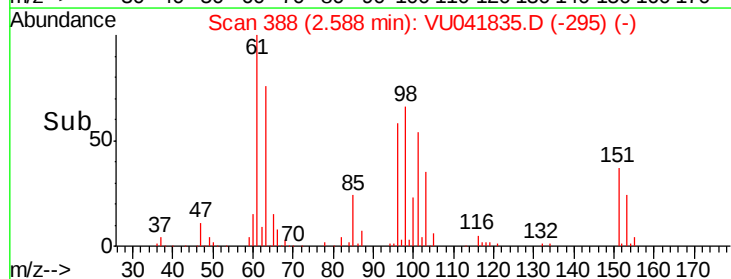
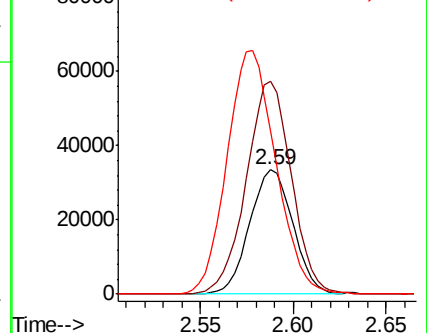
63 130.6 81.0 150.4

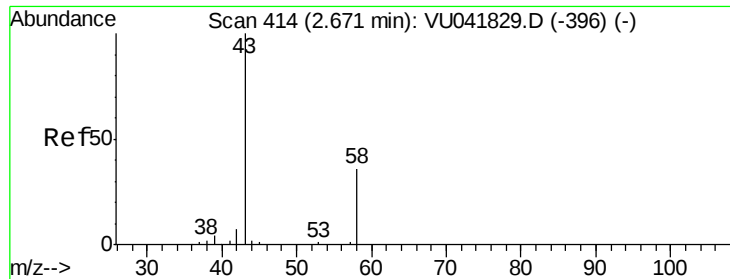


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 44.266 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU041835.D

Acq: 29 Dec 2020 14:07

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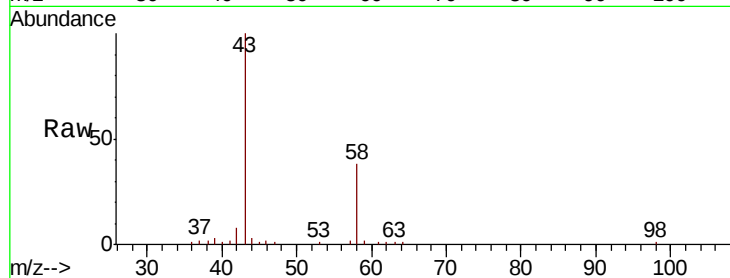
VSTD00530

Tot Ion: 43 Resp: 100118

Ion Ratio Lower Upper

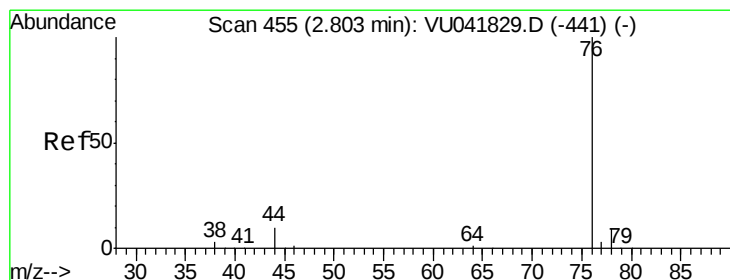
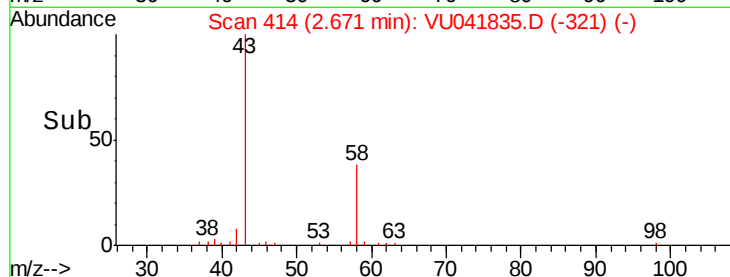
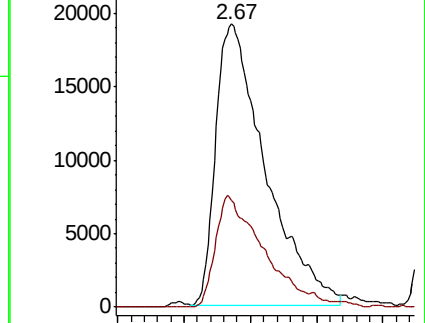
43 100

58 37.1 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU041829.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU041829.D (-396) (-)



#14

Carbon disulfide

Concen: 4.929 ug/L

RT: 2.80 min Scan# 455

Delta R.T. 0.00 min

Lab File: VU041835.D

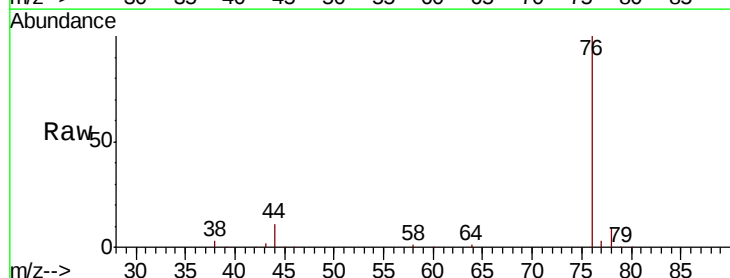
Acq: 29 Dec 2020 14:07

Tgt Ion: 76 Resp: 182980

Ion Ratio Lower Upper

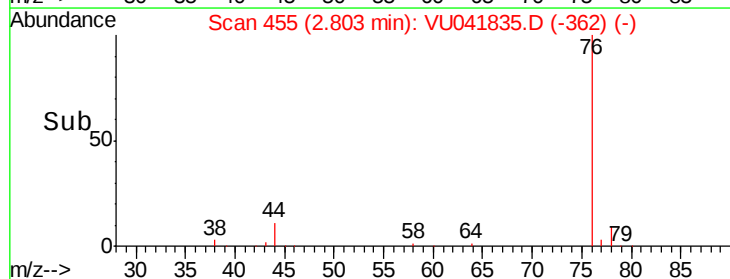
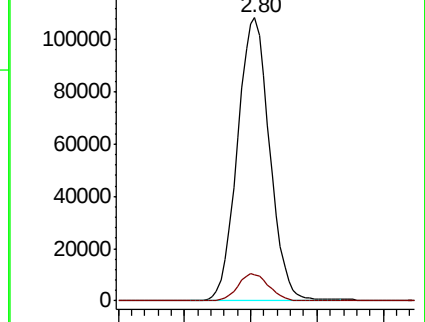
76 100

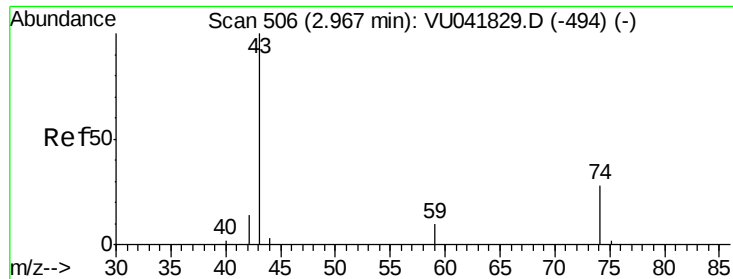
78 9.4 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU041829.D (-441) (-)

Ion 78.00 (77.70 to 78.70): VU041829.D (-441) (-)

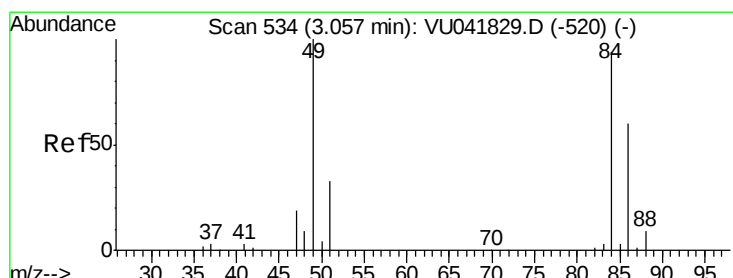
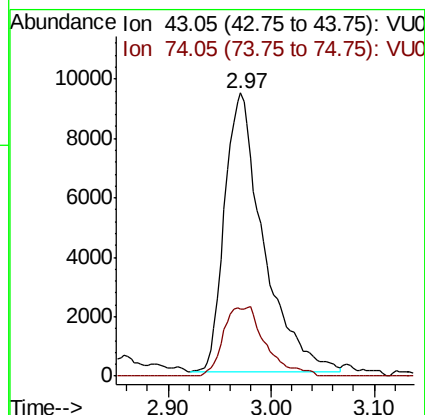
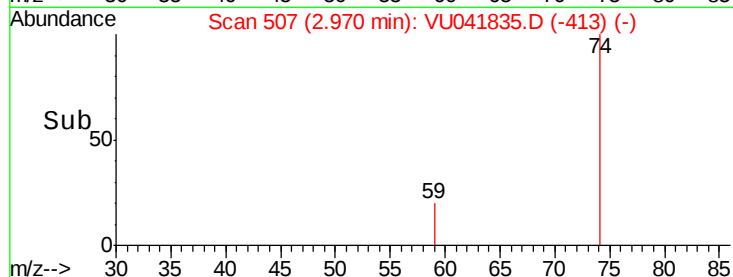
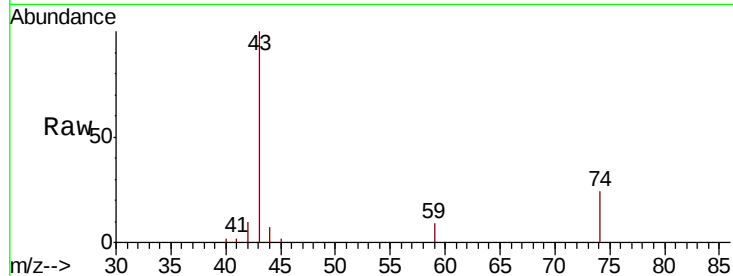




#15
Methyl Acetate
Concen: 4.200 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU041835.D
Acq: 29 Dec 2020 14:07

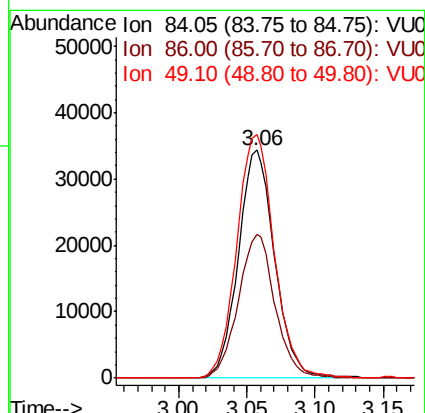
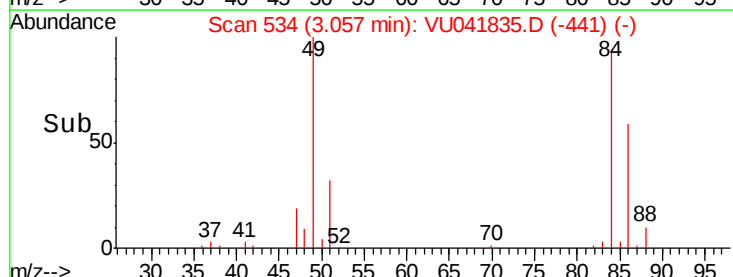
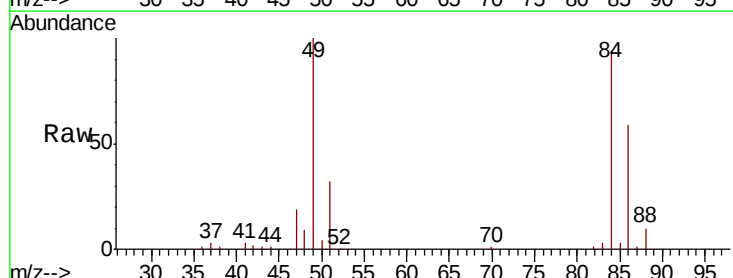
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

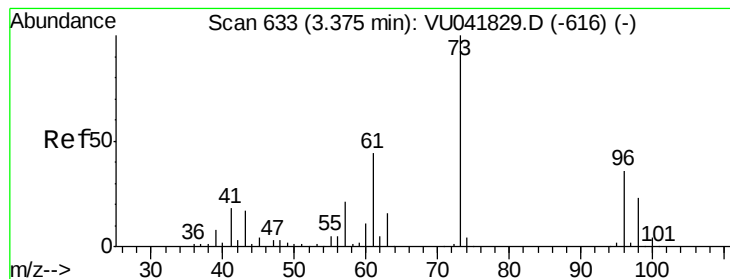
Tot Ion: 43 Resp: 24696
Ion Ratio Lower Upper
43 100
74 26.8 19.2 28.8



#16
Methylene chloride
Concen: 4.962 ug/L
RT: 3.06 min Scan# 534
Delta R.T. 0.00 min
Lab File: VU041835.D
Acq: 29 Dec 2020 14:07

Tgt Ion: 84 Resp: 63658
Ion Ratio Lower Upper
84 100
86 63.2 45.1 83.7
49 106.8 83.1 154.3



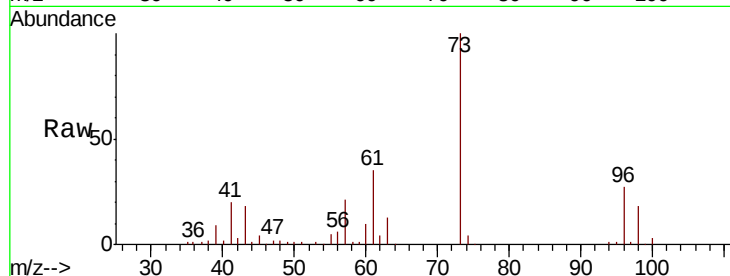


#17

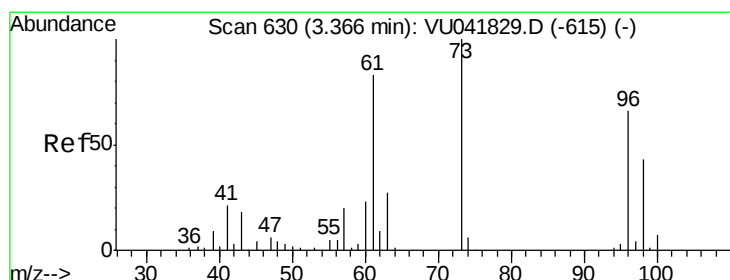
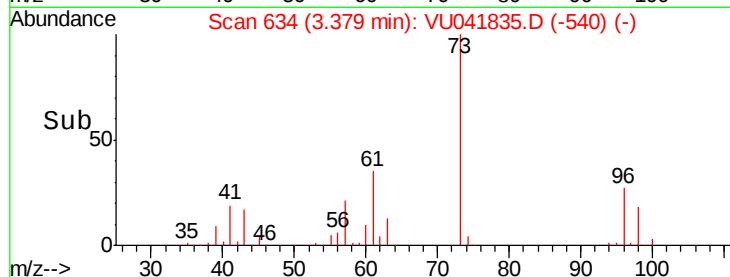
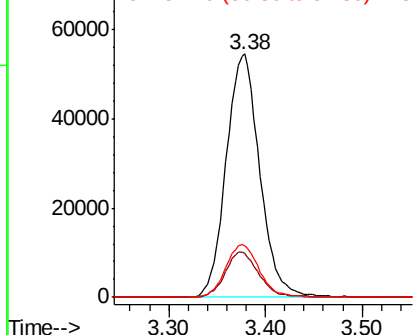
Methvl tert-butvl Ether
 Concen: 4.594 ug/L
 RT: 3.38 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VU041835.D
 Acq: 29 Dec 2020 14:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tot Ion: 73 Resp: 131672
 Ion Ratio Lower Upper
 73 100
 43 18.4 14.7 22.1
 57 21.7 18.2 27.4



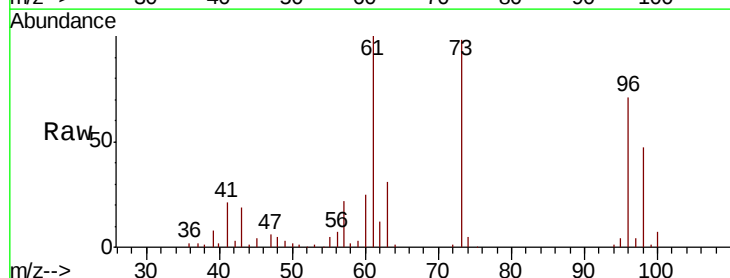
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



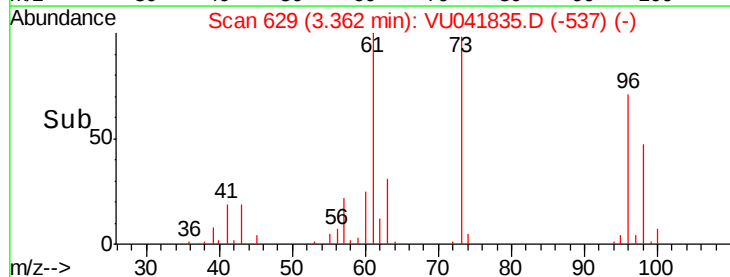
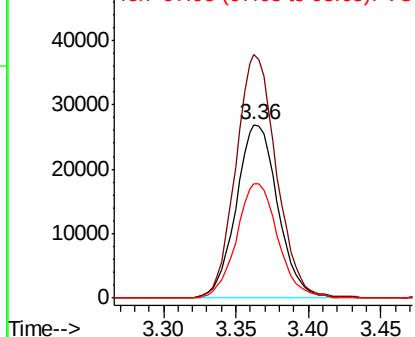
#18

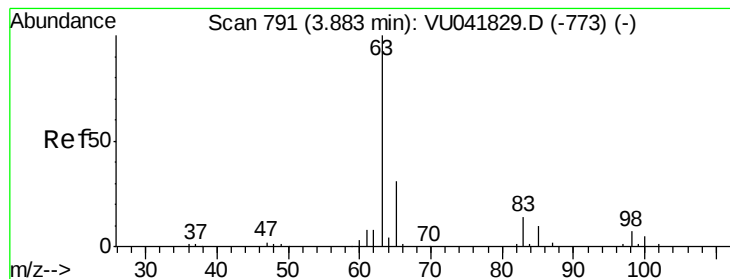
trans-1,2-Dichloroethene
 Concen: 4.837 ug/L
 RT: 3.36 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: VU041835.D
 Acq: 29 Dec 2020 14:07

Tgt Ion: 96 Resp: 53738
 Ion Ratio Lower Upper
 96 100
 61 140.4 101.8 189.0
 98 65.8 44.4 82.5



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





#19

1,1-Dichloroethane

Concen: 4.160 ug/L

RT: 3.88 min Scan# 791

Delta R.T. 0.00 min

Lab File: VU041835.D

Acq: 29 Dec 2020 14:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

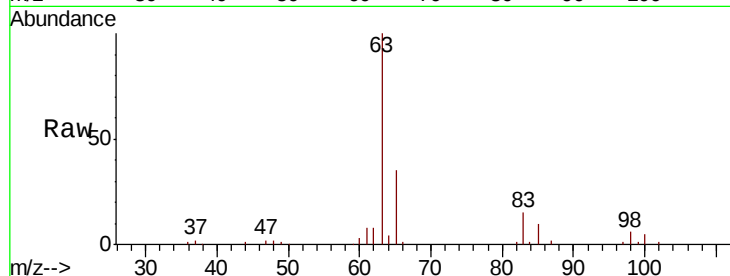
Tot Ion: 63 Resp: 86383

Ion Ratio Lower Upper

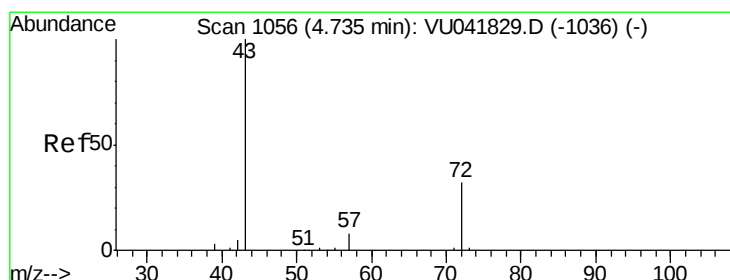
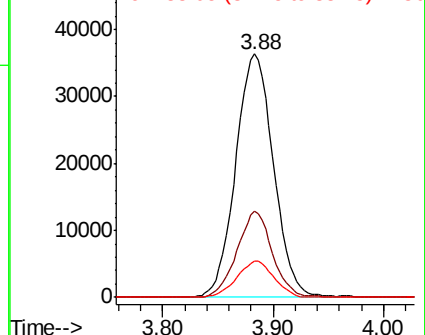
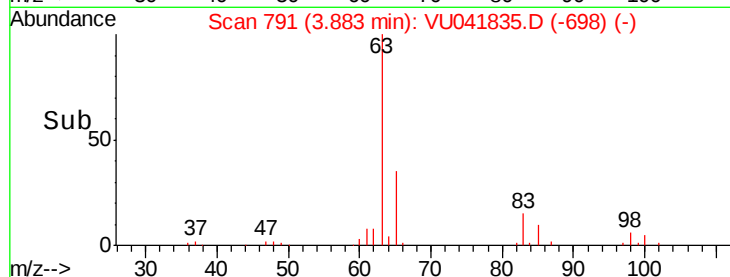
63 100

65 35.5 21.3 39.6

83 14.8 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU041835.D (-698) (-)



#21

2-Butanone

Concen: 37.216 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. 0.00 min

Lab File: VU041835.D

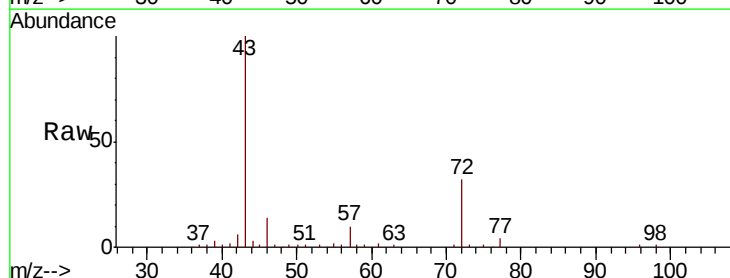
Acq: 29 Dec 2020 14:07

Tgt Ion: 43 Resp: 137105

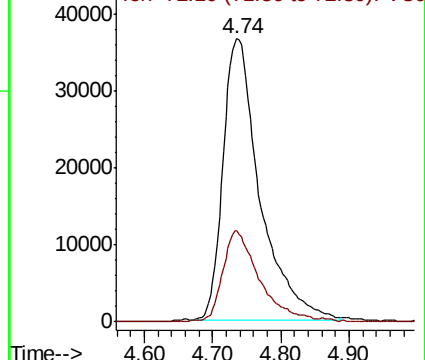
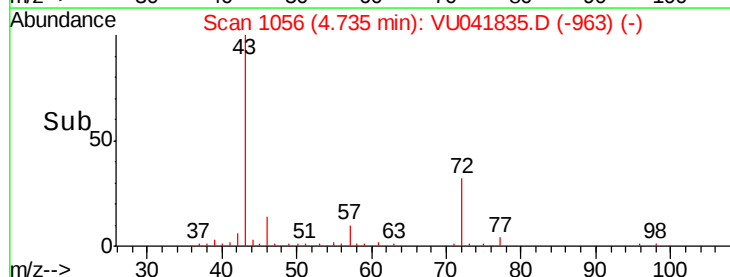
Ion Ratio Lower Upper

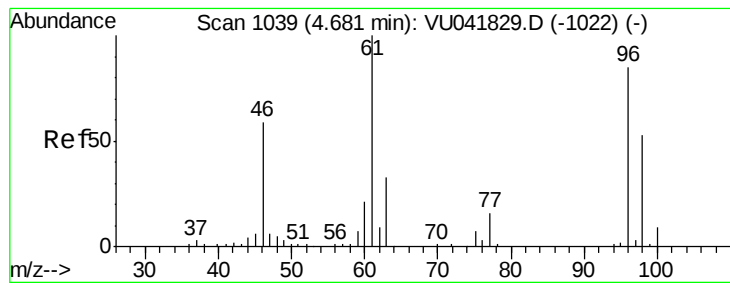
43 100

72 32.4 14.6 44.0



Abundance Ion 43.05 (42.75 to 43.75): VU041835.D (-963) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.333 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VU041835.D

Acq: 29 Dec 2020 14:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

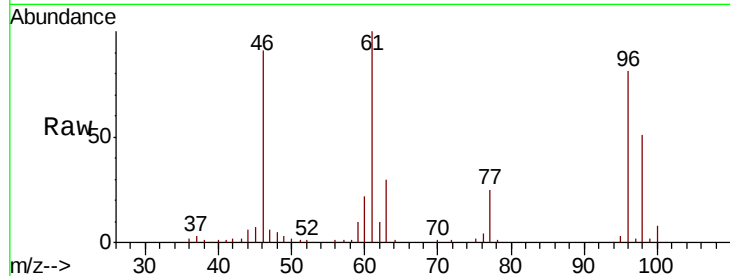
Tot Ion: 96 Resp: 53205

Ion Ratio Lower Upper

96 100

61 123.9 88.8 165.0

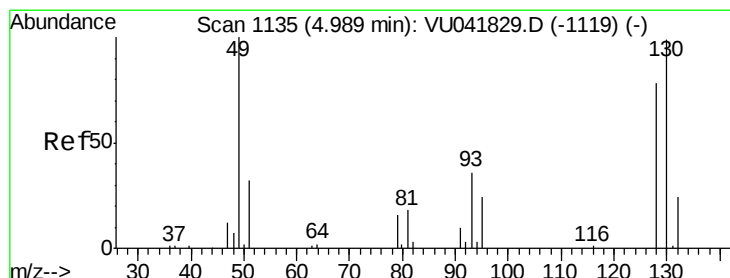
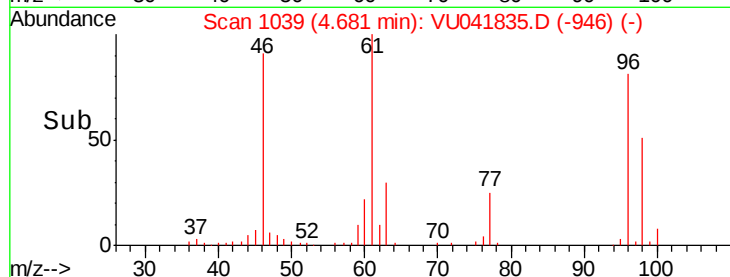
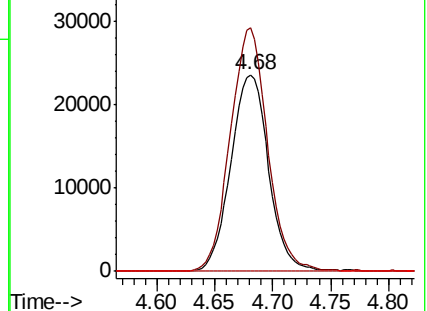
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041835.D (-946) (-)

Ion 61.05 (60.75 to 61.75): VU041835.D (-946) (-)

Ion 68.15 (67.85 to 68.85): VU041835.D (-946) (-)



#23

Bromochloromethane

Concen: 4.746 ug/L

RT: 4.99 min Scan# 1134

Delta R.T. -0.00 min

Lab File: VU041835.D

Acq: 29 Dec 2020 14:07

Tgt Ion:128 Resp: 26772

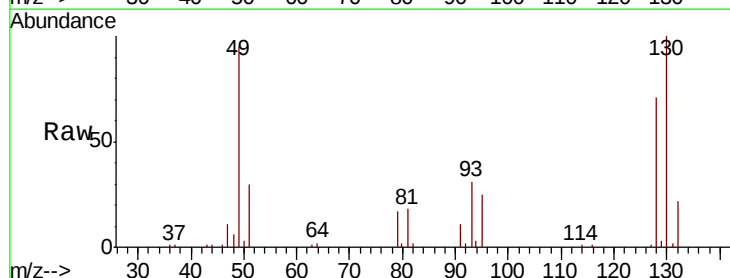
Ion Ratio Lower Upper

128 100

49 133.5 109.3 203.1

130 140.6 84.8 157.6

51 42.8 40.6 61.0

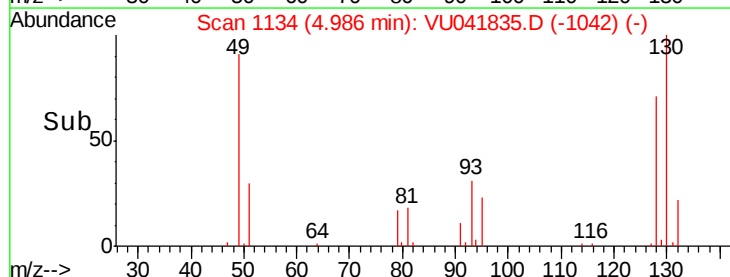
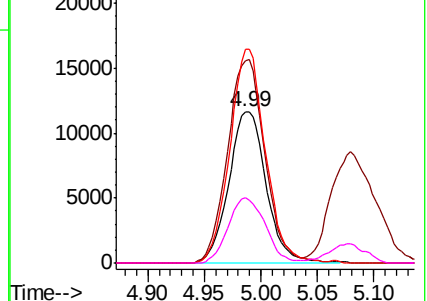


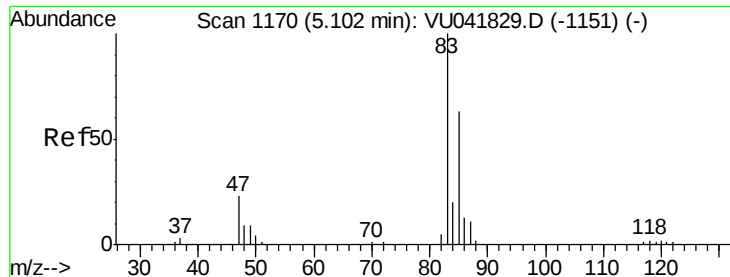
Abundance Ion 127.90 (127.60 to 128.60): VU041835.D (-1042) (-)

Ion 49.10 (48.80 to 49.80): VU041835.D (-1042) (-)

Ion 129.95 (129.65 to 130.65): VU041835.D (-1042) (-)

Ion 51.05 (50.75 to 51.75): VU041835.D (-1042) (-)

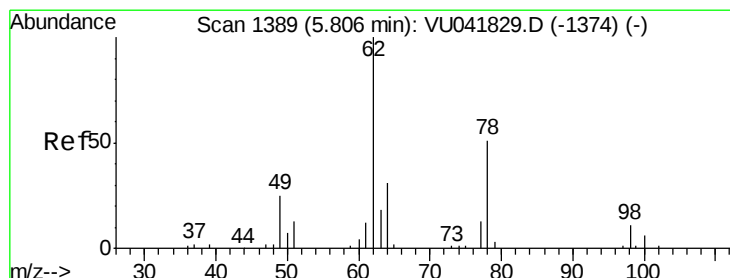
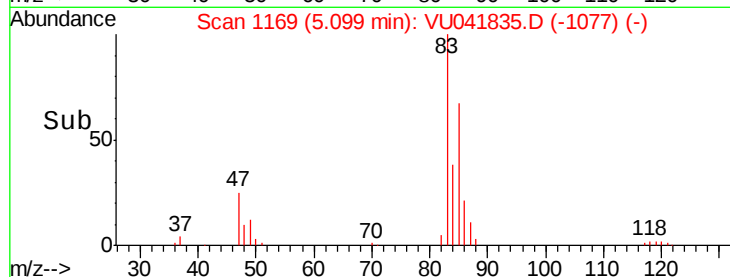
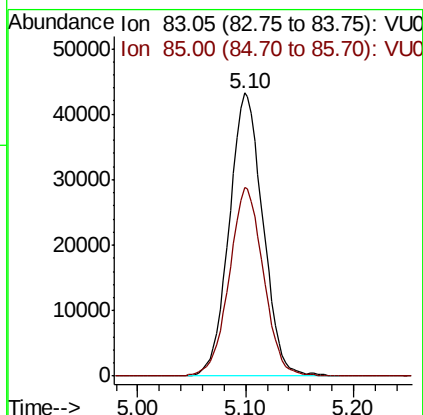
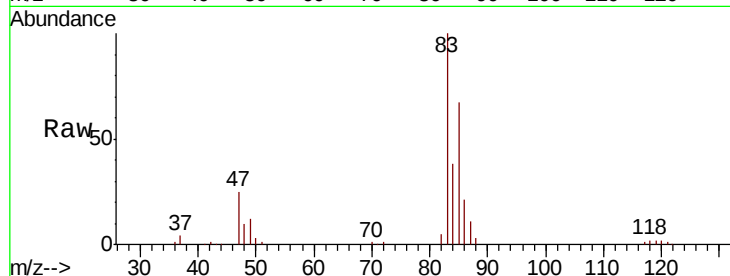




#25
Chloroform
Concen: 4.475 ug/L
RT: 5.10 min Scan# 1169
Delta R.T. -0.00 min
Lab File: VU041835.D
Acq: 29 Dec 2020 14:07

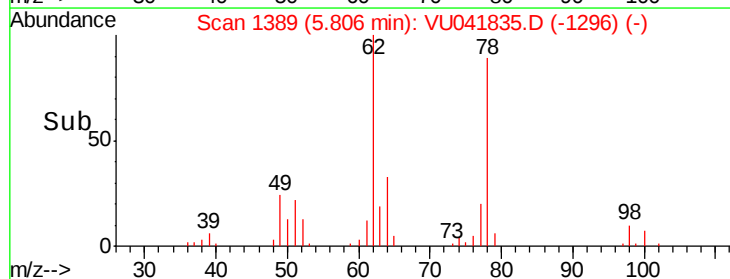
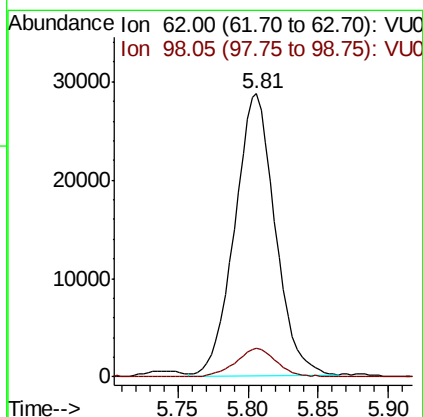
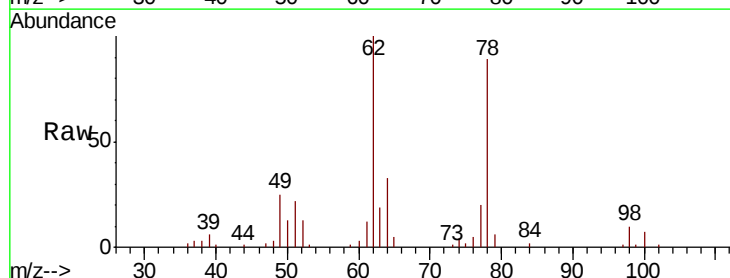
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

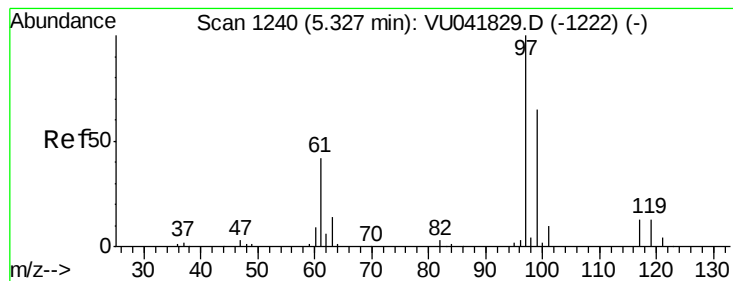
Tot Ion: 83 Resp: 93577
Ion Ratio Lower Upper
83 100
85 66.5 44.2 82.0



#27
1,2-Dichloroethane
Concen: 4.056 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VU041835.D
Acq: 29 Dec 2020 14:07

Tgt Ion: 62 Resp: 57430
Ion Ratio Lower Upper
62 100
98 10.2 8.2 12.2





#29

1,1,1-Trichloroethane

Concen: 4.614 ug/L

RT: 5.33 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VU041835.D

Acq: 29 Dec 2020 14:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

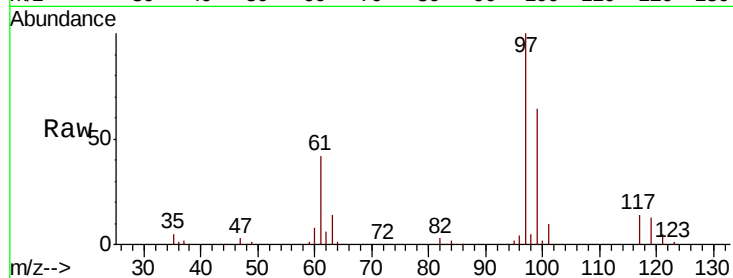
Tot Ion: 97 Resp: 81615

Ion Ratio Lower Upper

97 100

99 64.8 51.3 76.9

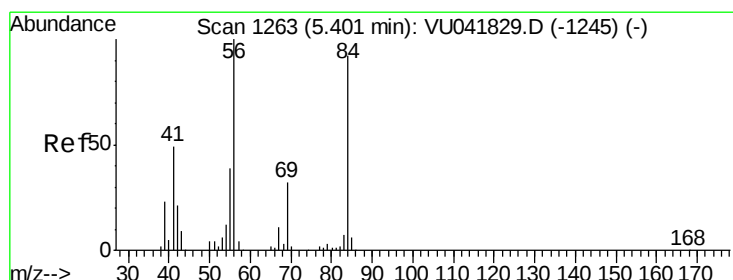
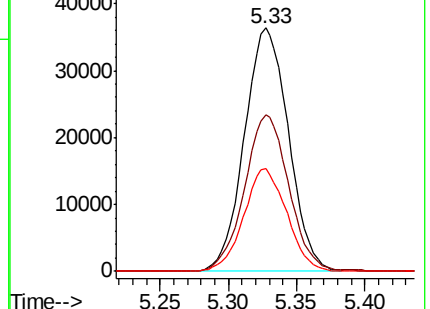
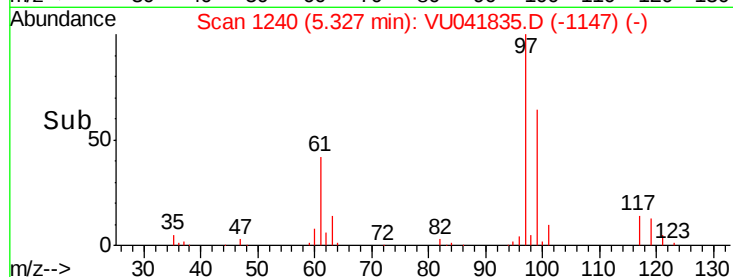
61 41.3 36.5 54.7



Abundance Ion 96.95 (96.65 to 97.65): VU041835.D (-1147) (-)

Ion 99.05 (98.75 to 99.75): VU041835.D (-1147) (-)

Ion 61.05 (60.75 to 61.75): VU041835.D (-1147) (-)



#30

Cyclohexane

Concen: 3.673 ug/L

RT: 5.40 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VU041835.D

Acq: 29 Dec 2020 14:07

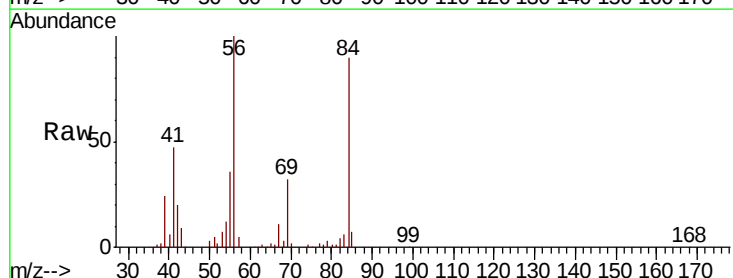
Tgt Ion: 56 Resp: 72818

Ion Ratio Lower Upper

56 100

69 33.3 23.8 35.8

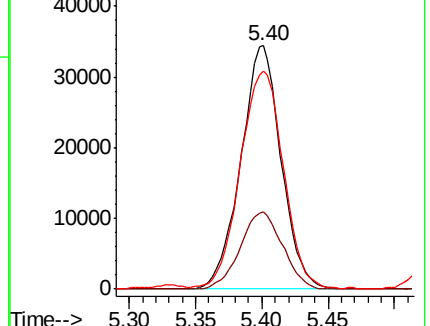
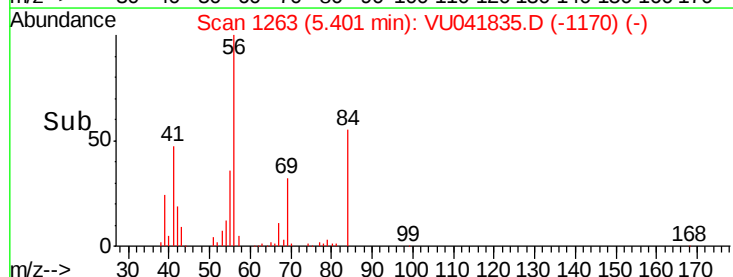
84 95.3 66.2 99.4

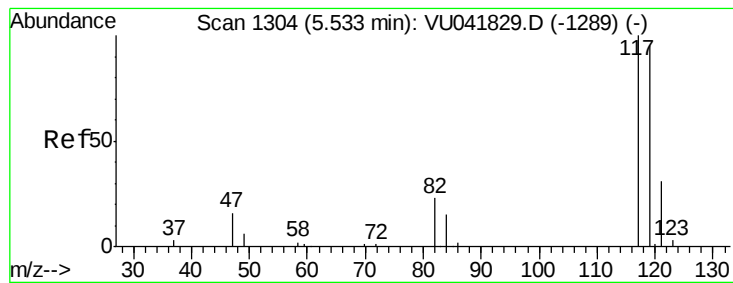


Abundance Ion 56.10 (55.80 to 56.80): VU041835.D (-1170) (-)

Ion 69.15 (68.85 to 69.85): VU041835.D (-1170) (-)

Ion 84.15 (83.85 to 84.85): VU041835.D (-1170) (-)





#31

Carbon tetrachloride

Concen: 4.750 ug/L

RT: 5.54 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU041835.D

Acq: 29 Dec 2020 14:07

Instrument :

MSVOA_U

ClientSampleId :

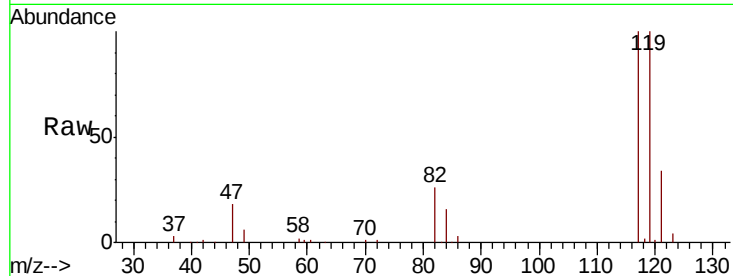
VSTD00530

Tot Ion:117 Resp: 72646

Ion Ratio Lower Upper

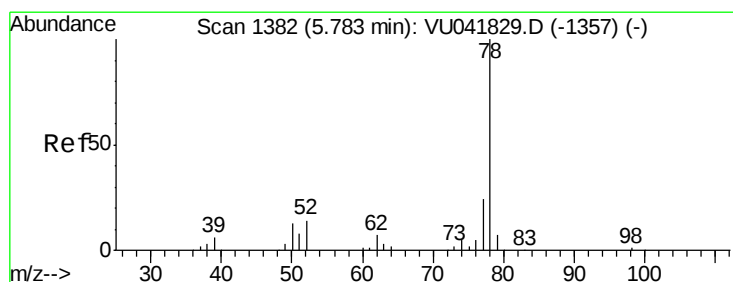
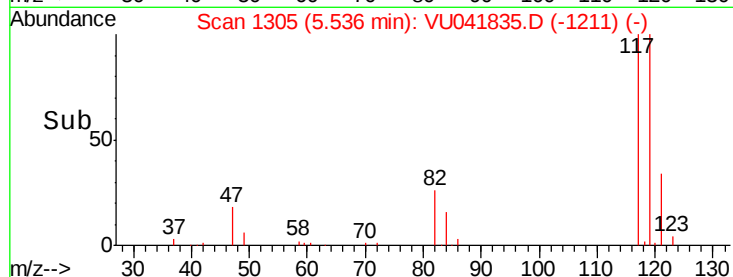
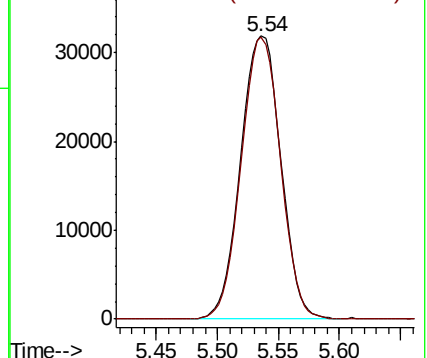
117 100

119 97.1 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.244 ug/L

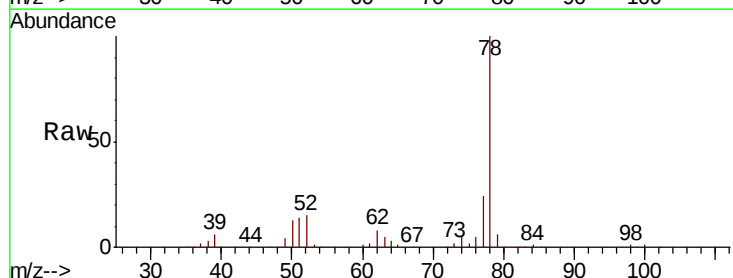
RT: 5.78 min Scan# 1382

Delta R.T. 0.00 min

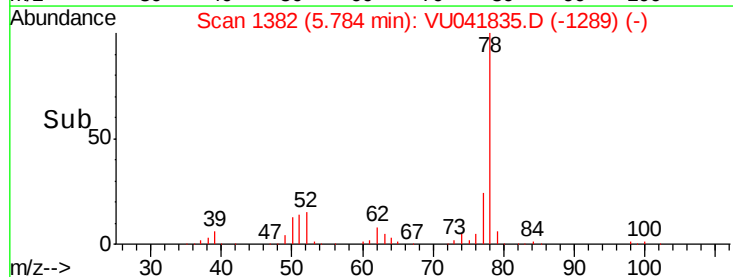
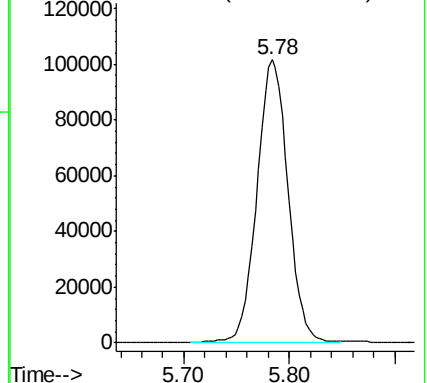
Lab File: VU041835.D

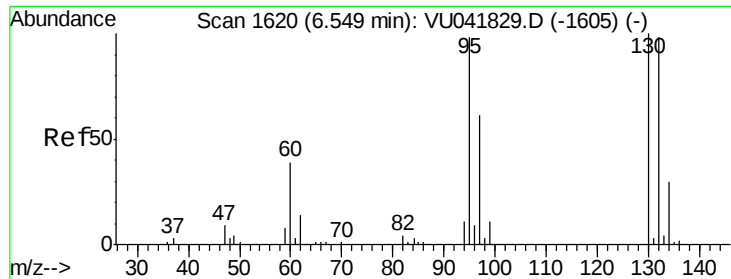
Acq: 29 Dec 2020 14:07

Tgt Ion: 78 Resp: 209058



Abundance Ion 78.10 (77.80 to 78.80): VU0

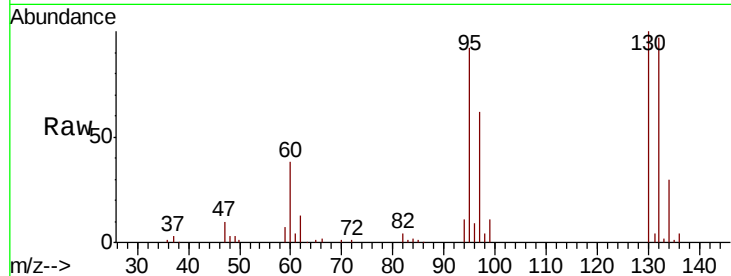




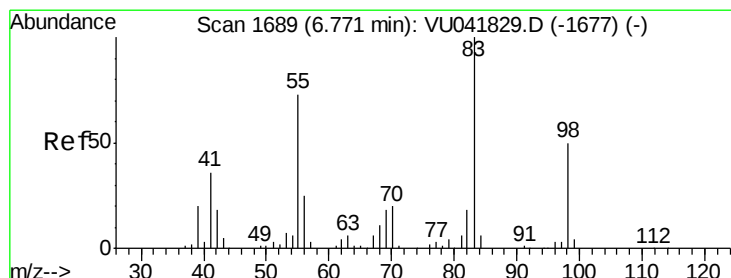
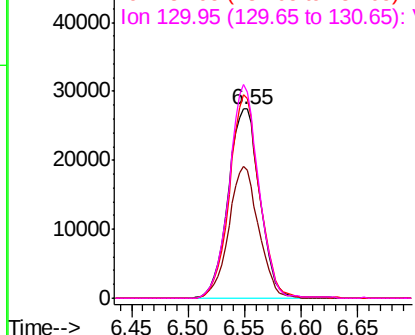
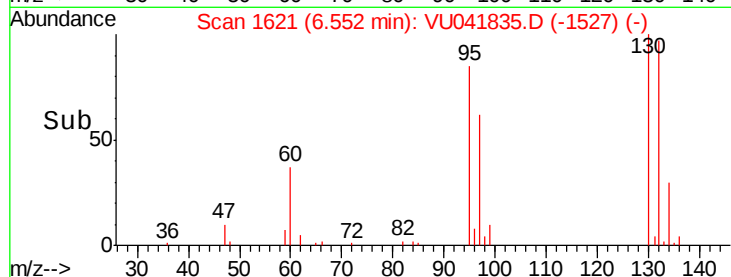
#34
 Trichloroethene
 Concen: 4.332 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041835.D
 Acq: 29 Dec 2020 14:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tot Ion: 95 Resp: 53624
 Ion Ratio Lower Upper
 95 100
 97 67.4 43.9 81.5
 132 105.6 63.1 117.3
 130 108.9 67.4 125.2

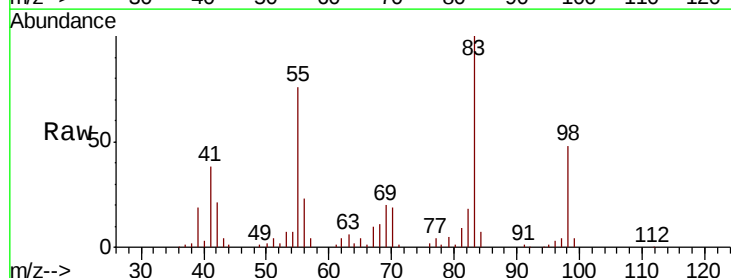


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

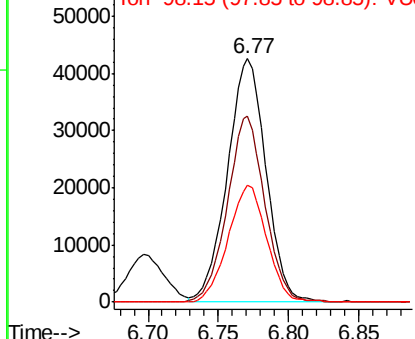
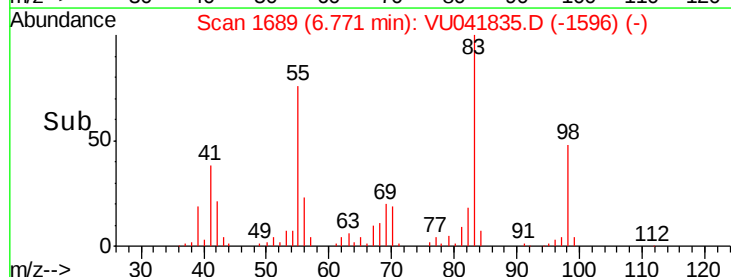


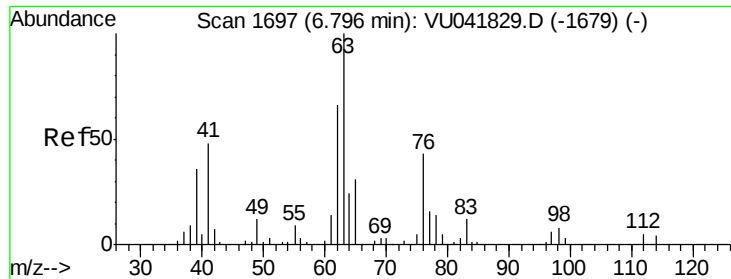
#35
 Methylcyclohexane
 Concen: 4.060 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: VU041835.D
 Acq: 29 Dec 2020 14:07

Tgt Ion: 83 Resp: 81227
 Ion Ratio Lower Upper
 83 100
 55 74.4 61.2 91.8
 98 48.2 36.6 54.8



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

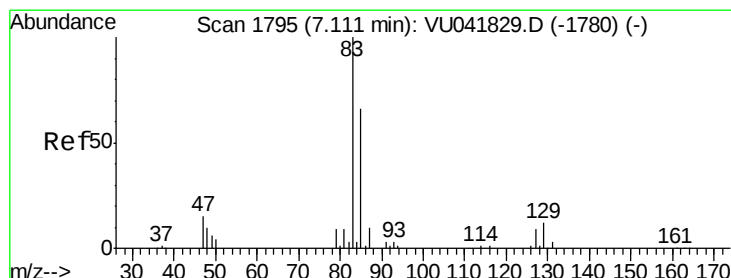
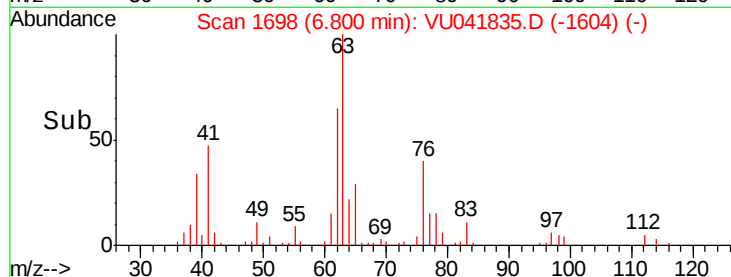
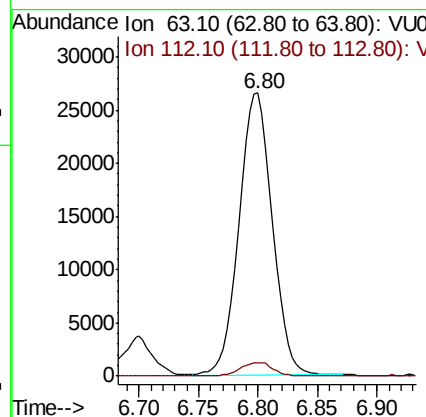
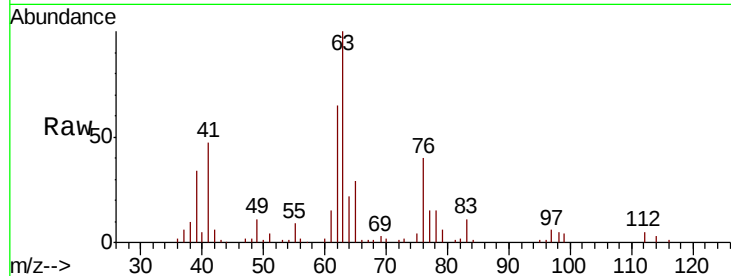




#37
 1,2-Dichloropropane
 Concen: 4.089 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU041835.D
 Acq: 29 Dec 2020 14:07

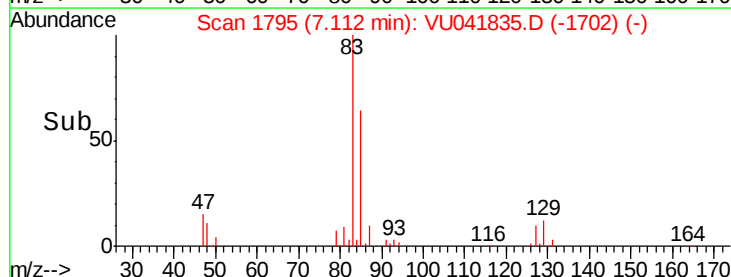
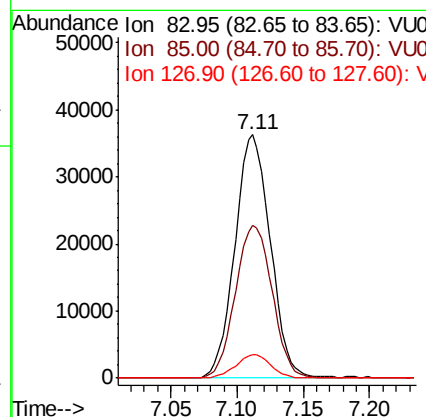
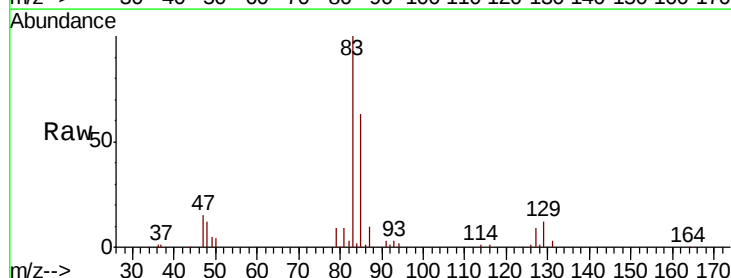
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

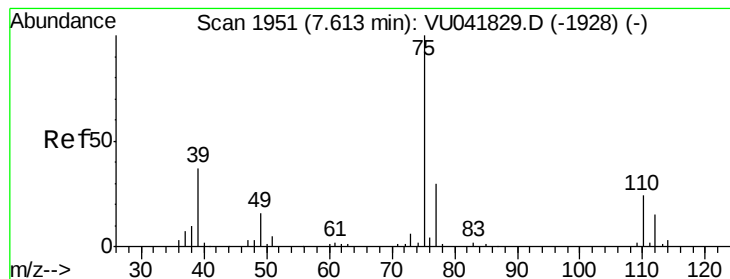
Tot Ion: 63 Resp: 51515
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.1 4.7#



#38
 Bromodichloromethane
 Concen: 4.295 ug/L
 RT: 7.11 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VU041835.D
 Acq: 29 Dec 2020 14:07

Tgt Ion: 83 Resp: 67321
 Ion Ratio Lower Upper
 83 100
 85 62.9 45.5 84.5
 127 9.5 7.0 10.6



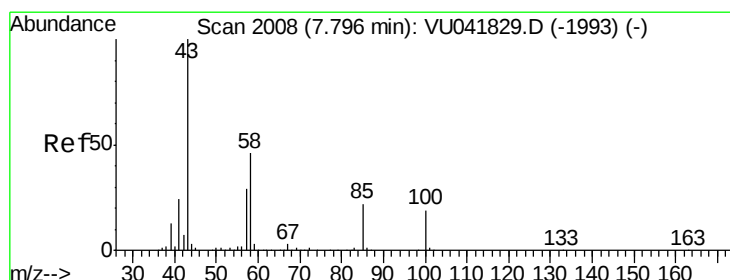
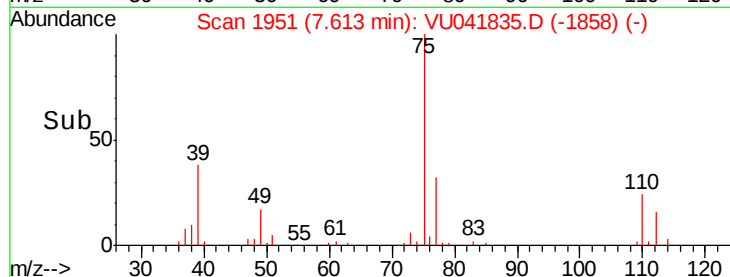
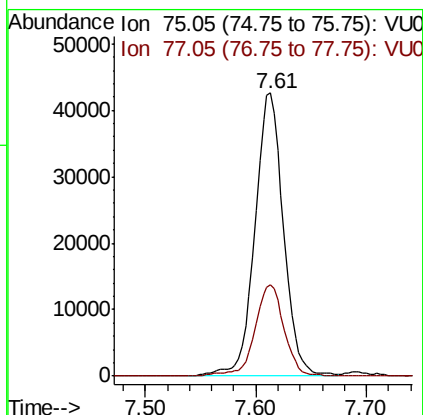
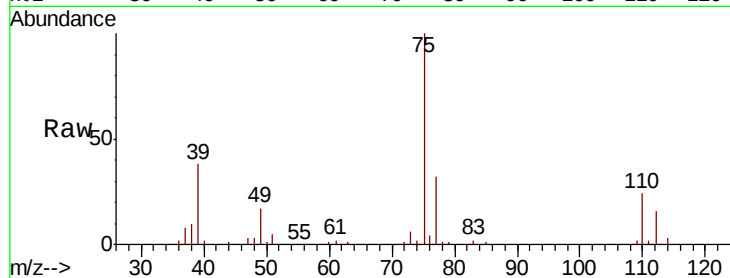


#39

cis-1,3-Dichloropropene
 Concen: 4.100 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041835.D
 Acq: 29 Dec 2020 14:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

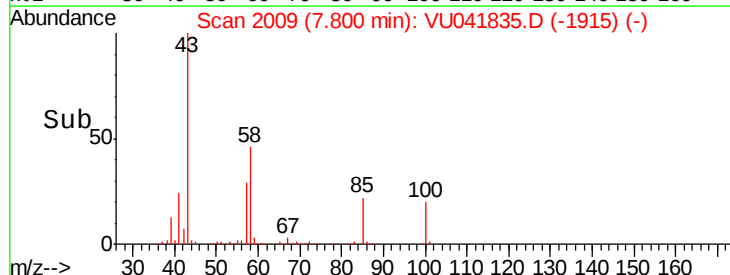
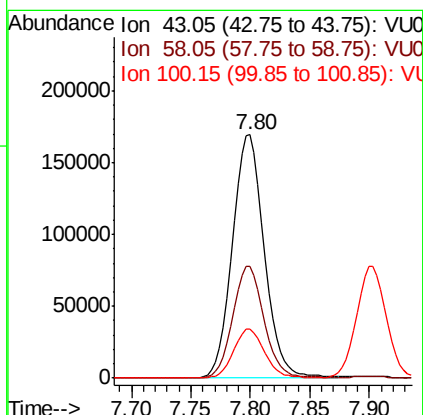
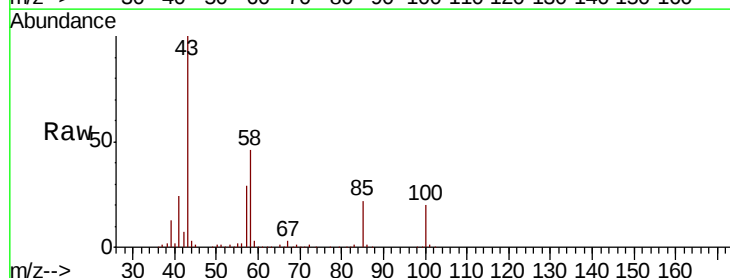
Tot Ion: 75 Resp: 76531
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.3 41.3

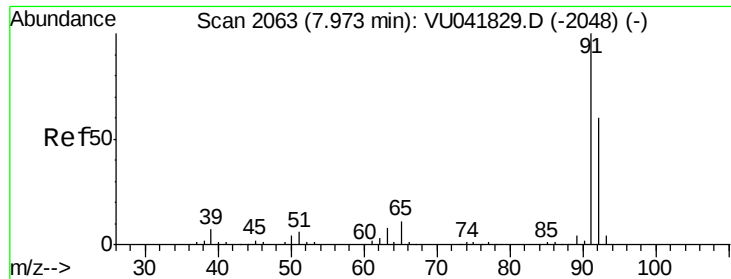


#40

4-Methyl-2-pentanone
 Concen: 35.150 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041835.D
 Acq: 29 Dec 2020 14:07

Tgt Ion: 43 Resp: 315121
 Ion Ratio Lower Upper
 43 100
 58 45.2 34.2 51.2
 100 19.6 12.3 18.5#





#42

Toluene

Concen: 4.455 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041835.D

Acq: 29 Dec 2020 14:07

Instrument :

MSVOA_U

ClientSampleId :

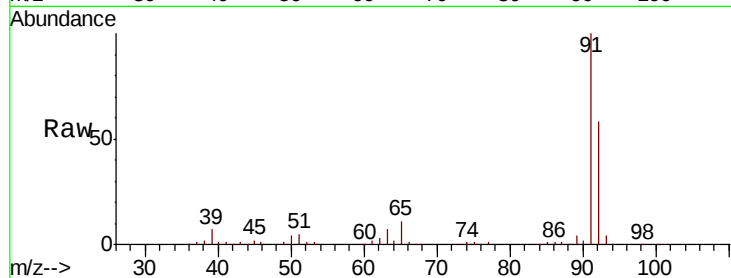
VSTD00530

Tot Ion: 91 Resp: 226541

Ion Ratio Lower Upper

91 100

92 57.6 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.97

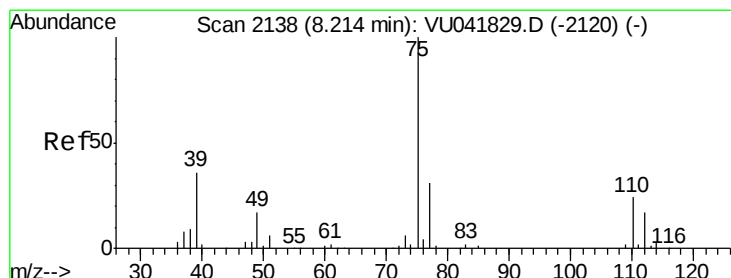
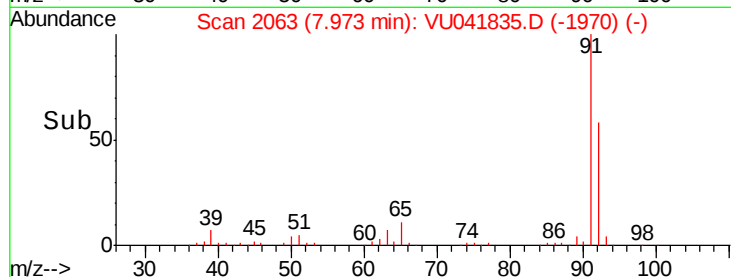
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.236 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041835.D

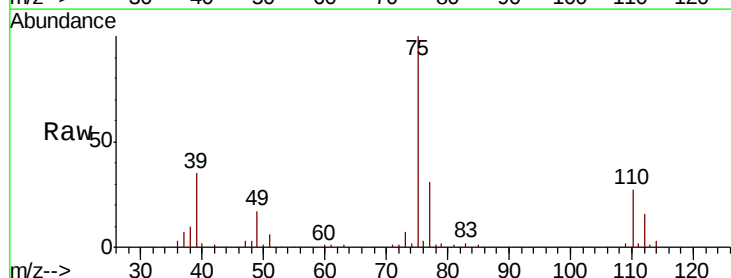
Acq: 29 Dec 2020 14:07

Tgt Ion: 75 Resp: 70721

Ion Ratio Lower Upper

75 100

77 31.4 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.21

40000

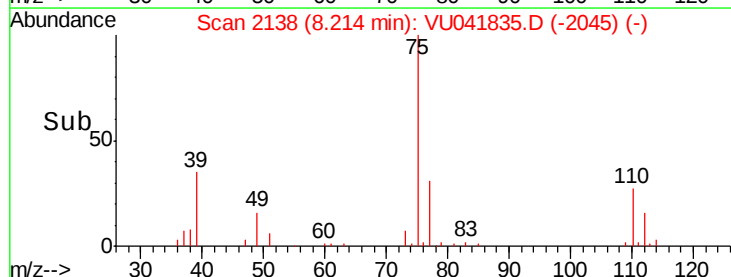
30000

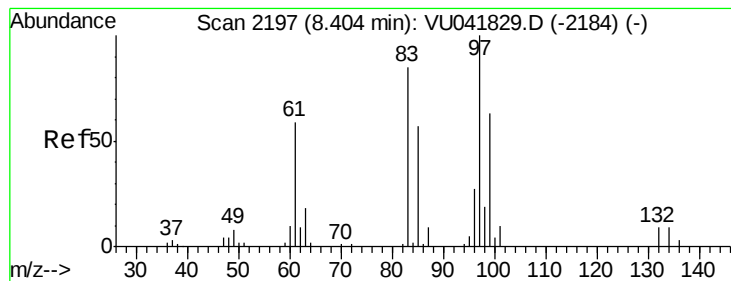
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.503 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU041835.D

Acq: 29 Dec 2020 14:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

Tot Ion: 97 Resp: 41955

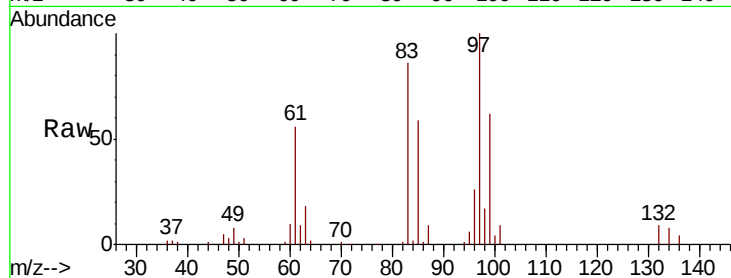
Ion Ratio Lower Upper

97 100

99 62.2 42.1 78.3

83 86.1 62.6 116.2

85 58.8 39.1 72.7

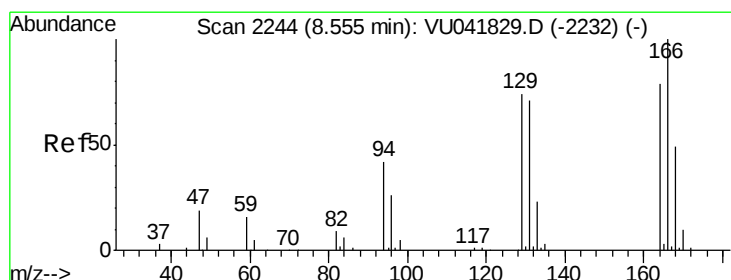
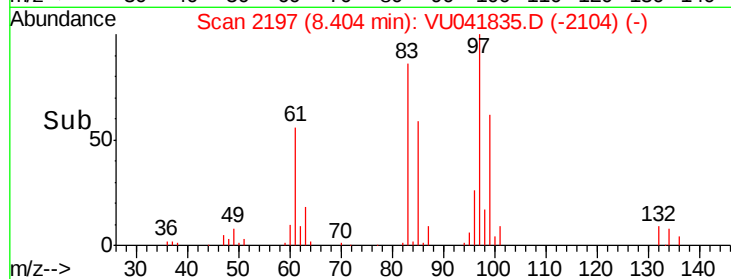
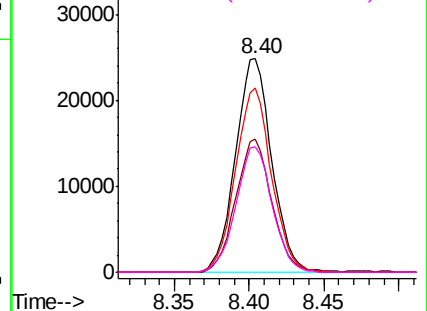


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 4.966 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041835.D

Acq: 29 Dec 2020 14:07

Tgt Ion: 164 Resp: 43032

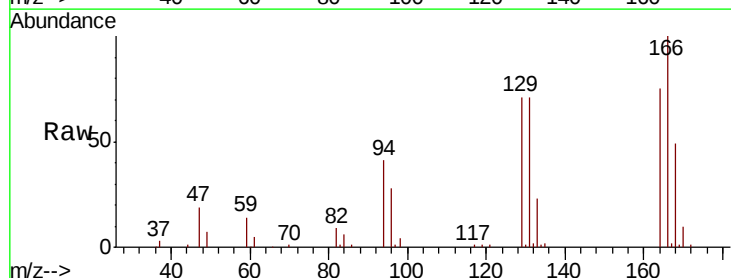
Ion Ratio Lower Upper

164 100

129 95.3 72.2 134.0

131 94.9 66.9 124.3

166 133.4 89.6 166.4

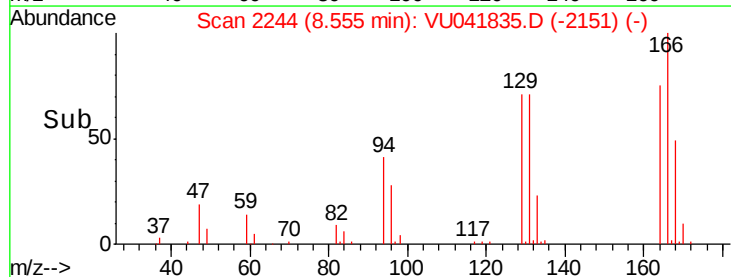
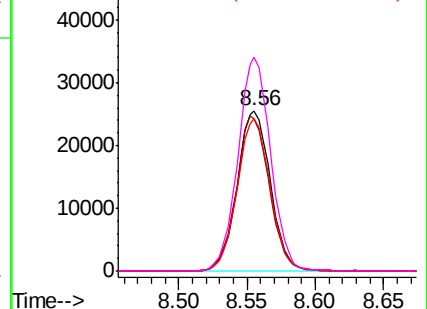


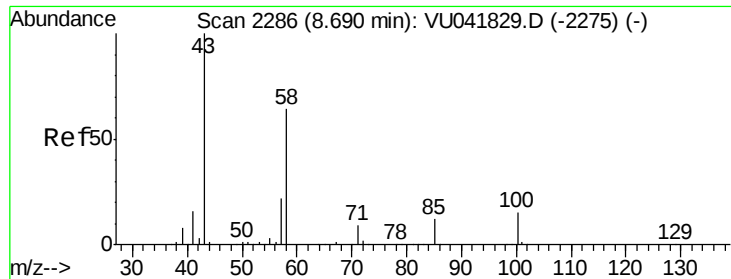
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

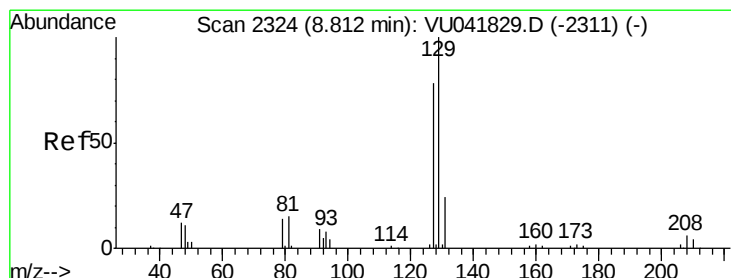
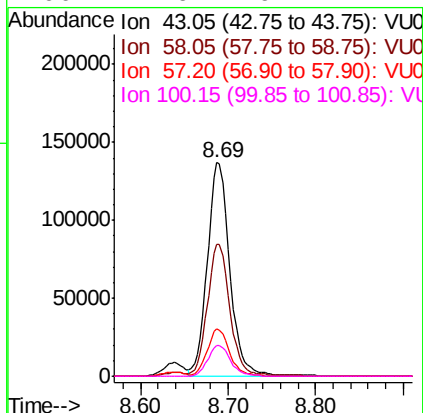
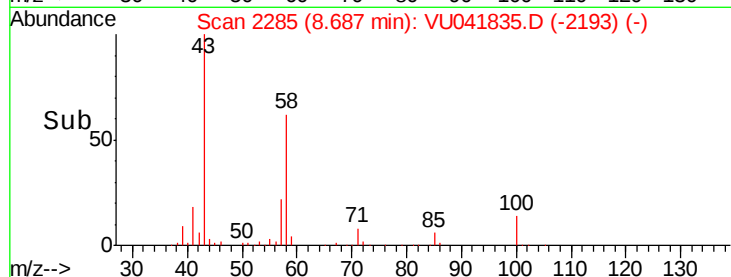
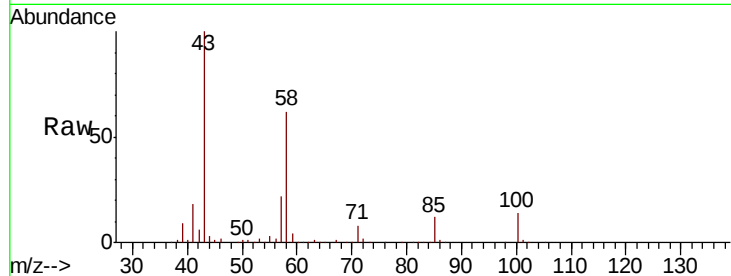




#48
2-Hexanone
Concen: 37.373 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU041835.D
Acq: 29 Dec 2020 14:07

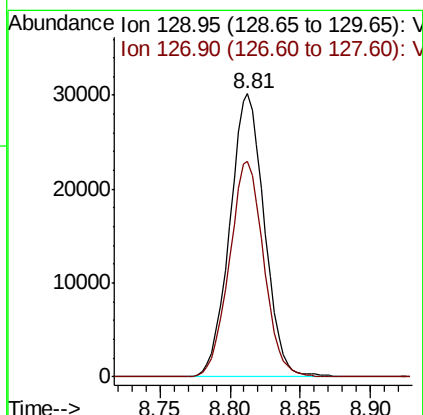
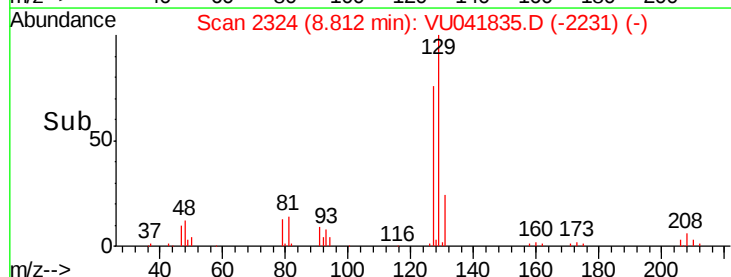
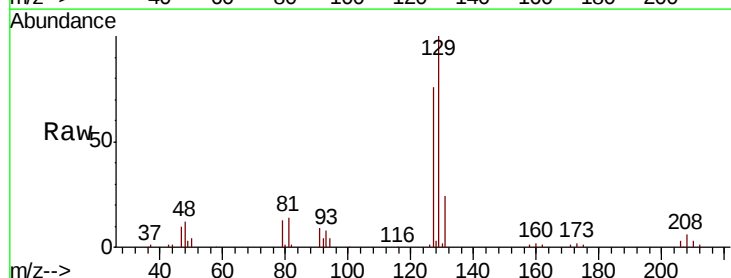
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

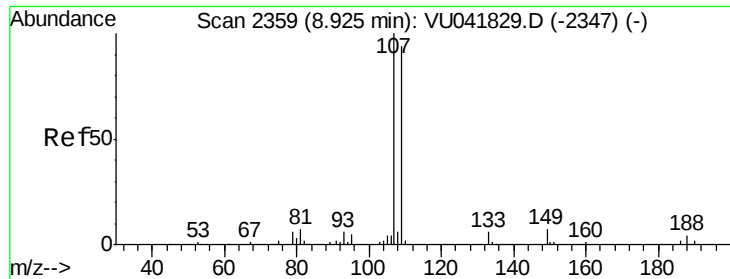
Tot Ion: 43 Resp: 243838
Ion Ratio Lower Upper
43 100
58 62.7 47.9 71.9
57 21.8 16.5 24.7
100 14.6 9.4 14.2#



#49
Dibromochloromethane
Concen: 4.827 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041835.D
Acq: 29 Dec 2020 14:07

Tgt Ion: 129 Resp: 51658
Ion Ratio Lower Upper
129 100
127 76.1 54.7 101.7

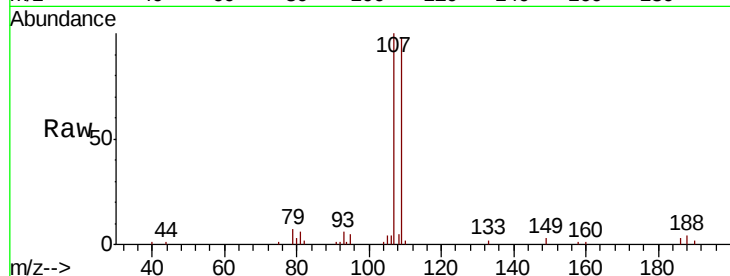




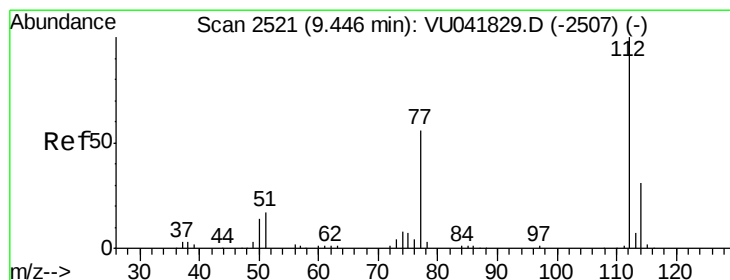
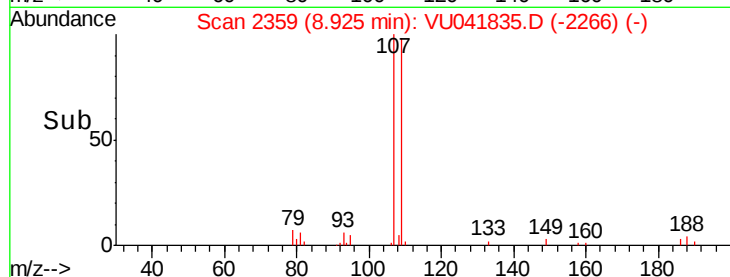
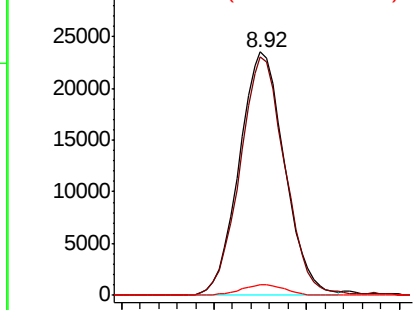
#50
1,2-Dibromoethane
Concen: 4.326 ug/L
RT: 8.92 min Scan# 2359
Delta R.T. 0.00 min
Lab File: VU041835.D
Acq: 29 Dec 2020 14:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tot Ion:107 Resp: 39873
Ion Ratio Lower Upper
107 100
109 97.9 65.6 121.8
188 4.3 2.6 4.0#

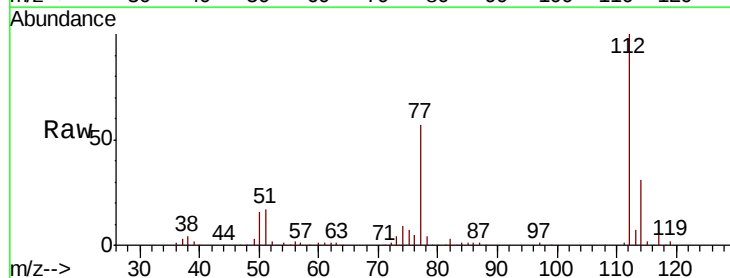


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

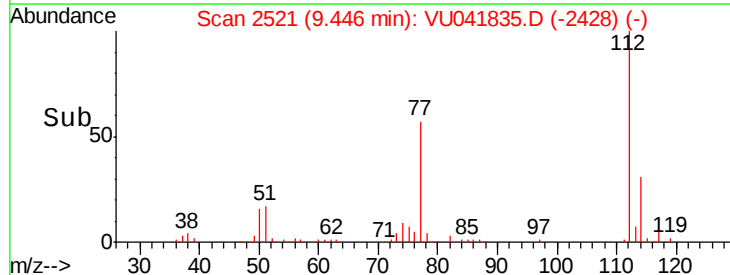
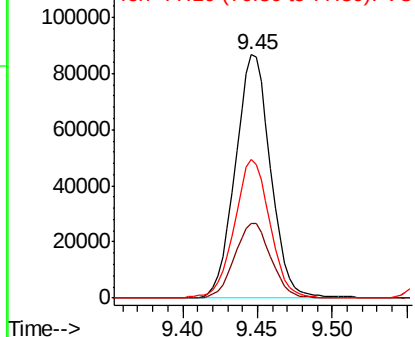


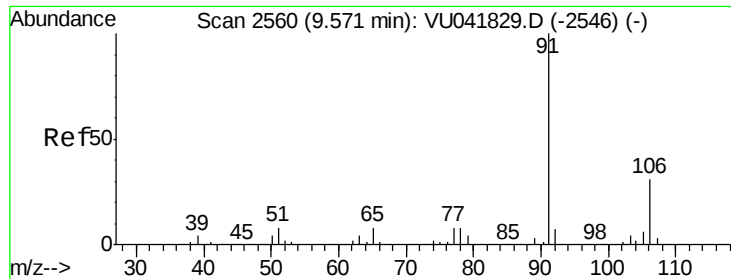
#51
Chlorobenzene
Concen: 4.493 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. 0.00 min
Lab File: VU041835.D
Acq: 29 Dec 2020 14:07

Tgt Ion:112 Resp: 142035
Ion Ratio Lower Upper
112 100
114 30.8 22.7 42.3
77 56.9 49.1 73.7



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.262 ug/L

RT: 9.57 min Scan# 2559

Delta R.T. -0.00 min

Lab File: VU041835.D

Acq: 29 Dec 2020 14:07

Instrument :

MSVOA_U

ClientSampleId :

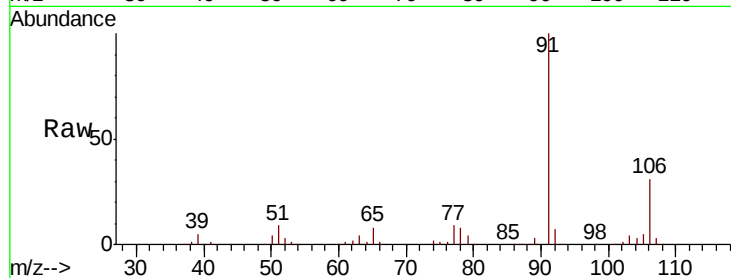
VSTD00530

Tot Ion: 91 Resp: 230769

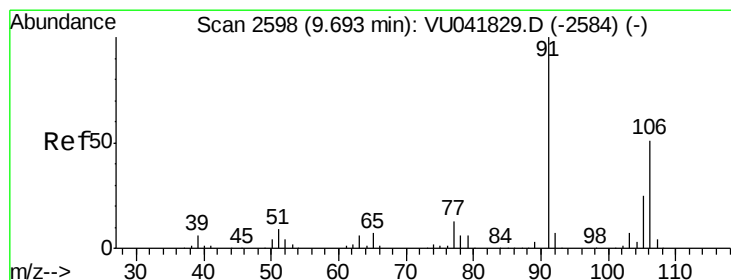
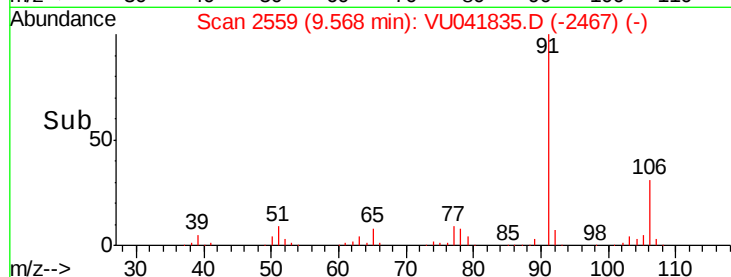
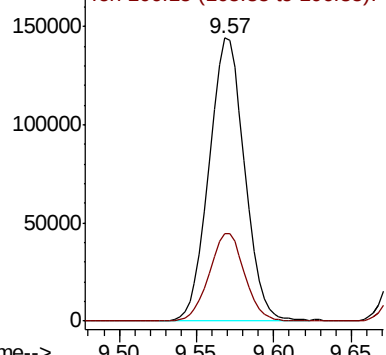
Ion Ratio Lower Upper

91 100

106 31.0 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU041829.D (-2546) (-)



#53

m,p-Xylene

Concen: 4.488 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041835.D

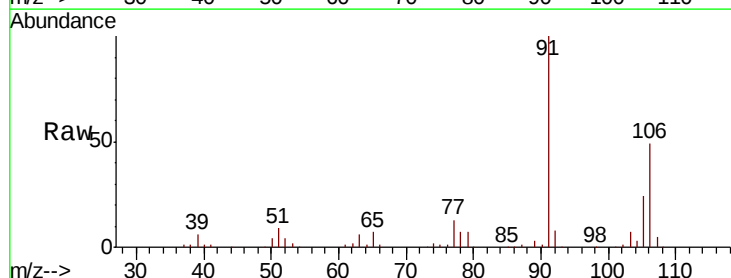
Acq: 29 Dec 2020 14:07

Tgt Ion: 106 Resp: 90629

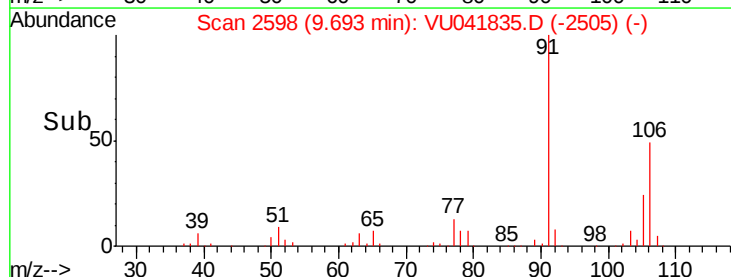
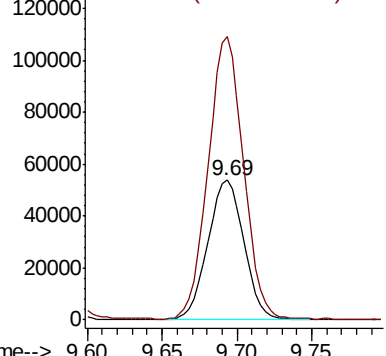
Ion Ratio Lower Upper

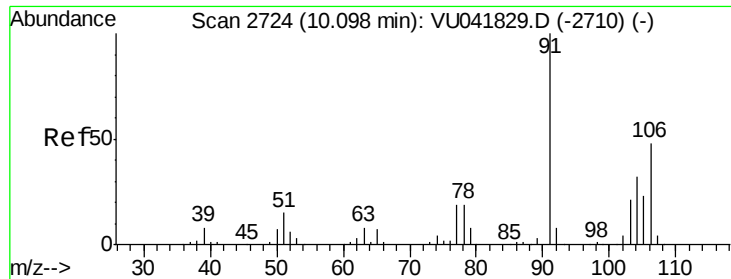
106 100

91 202.7 140.4 260.8



Abundance Ion 106.15 (105.85 to 106.85): VU041829.D (-2584) (-)

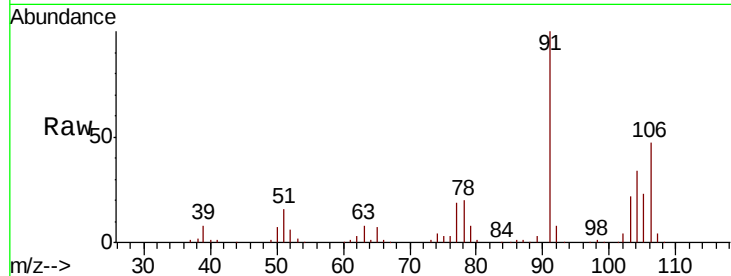




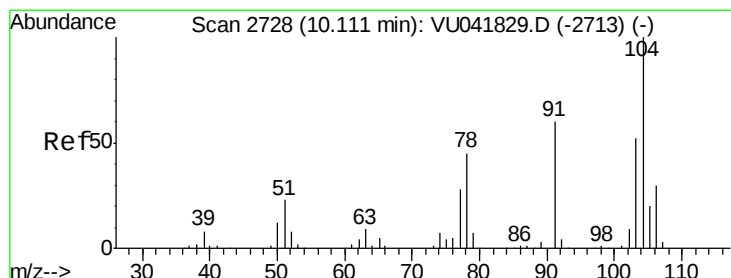
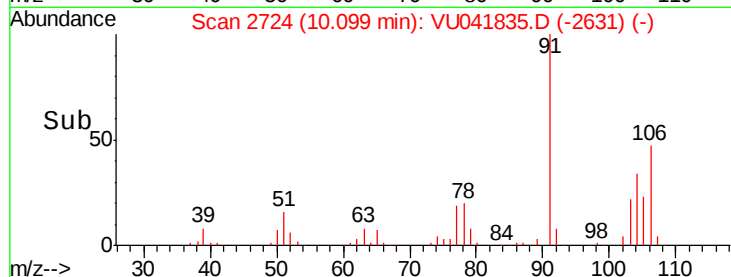
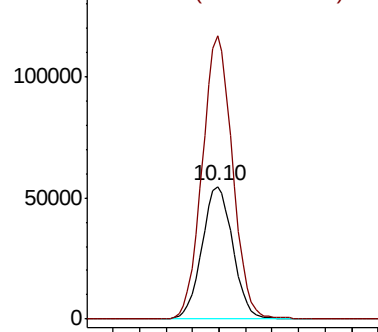
#54
o-Xylene
Concen: 4.465 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041835.D
Acq: 29 Dec 2020 14:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tot Ion:106 Resp: 88314
Ion Ratio Lower Upper
106 100
91 213.1 151.3 281.1

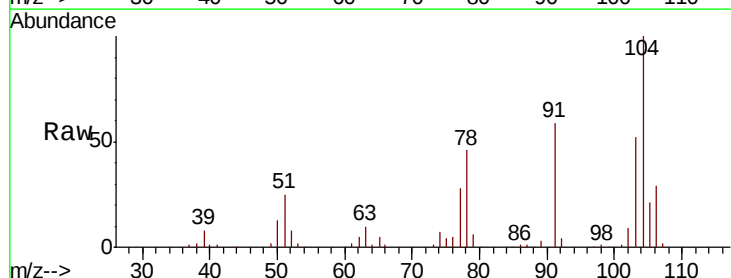


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

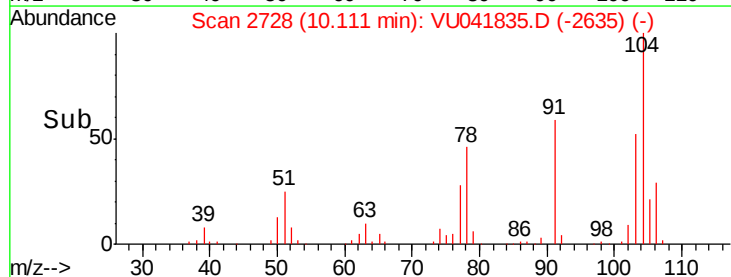
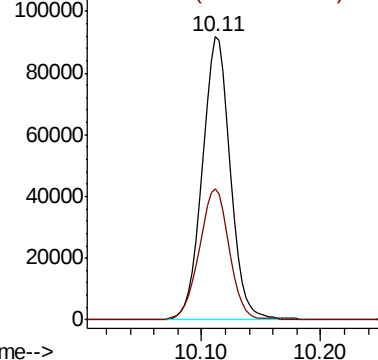


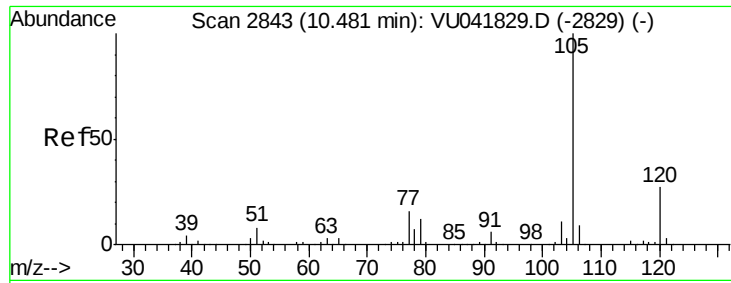
#55
Styrene
Concen: 4.377 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. 0.00 min
Lab File: VU041835.D
Acq: 29 Dec 2020 14:07

Tgt Ion:104 Resp: 149572
Ion Ratio Lower Upper
104 100
78 46.4 31.1 57.9



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





#56

Isopropylbenzene

Concen: 4.362 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041835.D

Acq: 29 Dec 2020 14:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

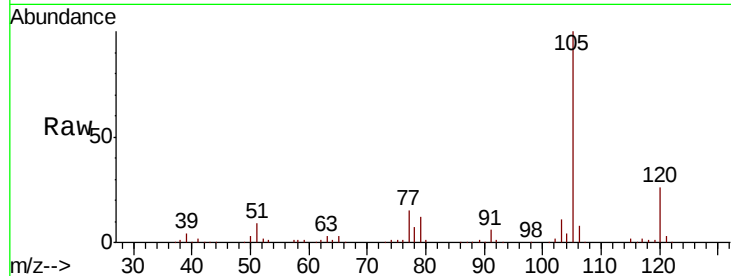
Tot Ion:105 Resp: 229644

Ion Ratio Lower Upper

105 100

120 26.2 20.5 30.7

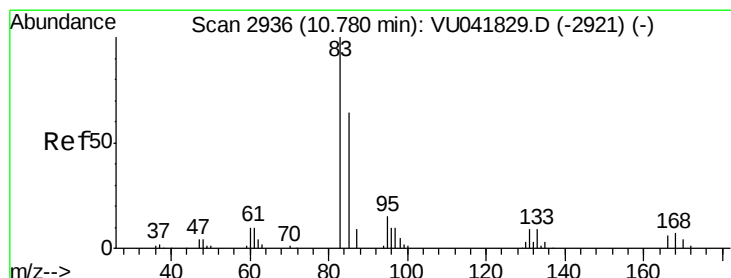
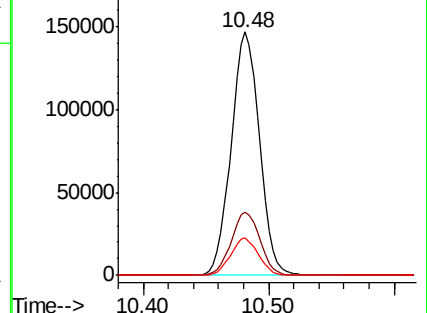
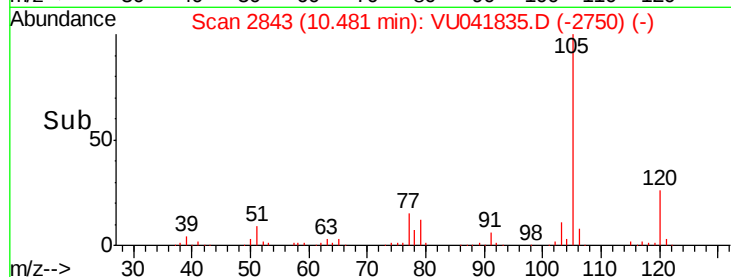
77 15.0 12.7 19.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 3.938 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041835.D

Acq: 29 Dec 2020 14:07

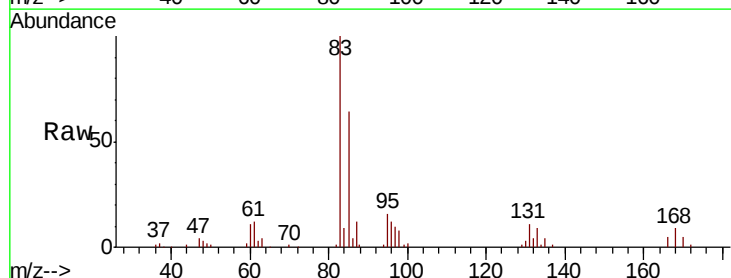
Tgt Ion: 83 Resp: 51057

Ion Ratio Lower Upper

83 100

85 64.3 46.1 85.7

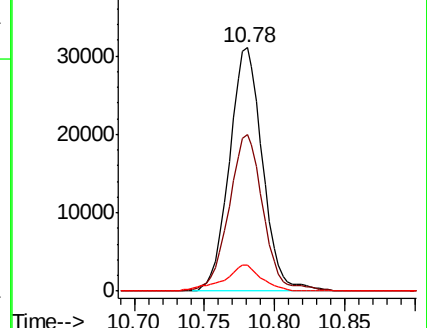
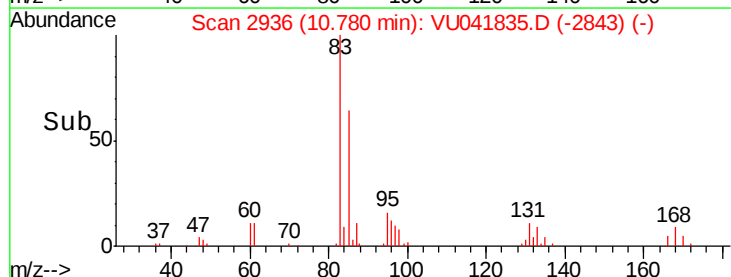
131 10.7 7.8 11.6

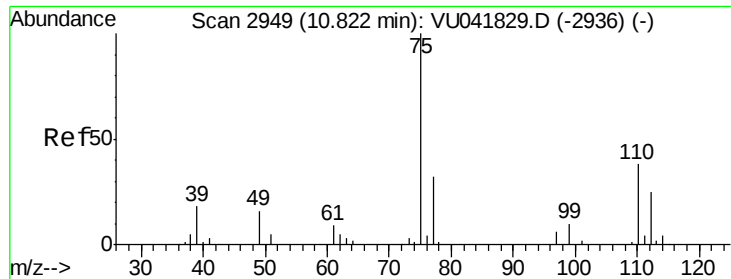


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

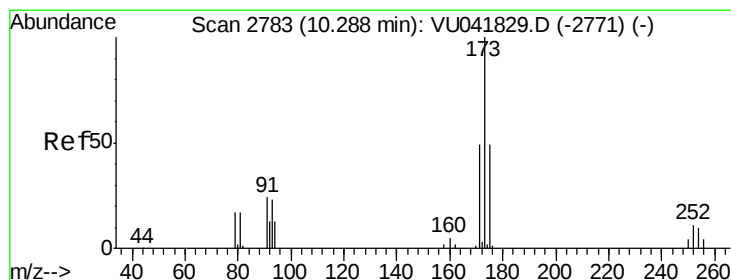
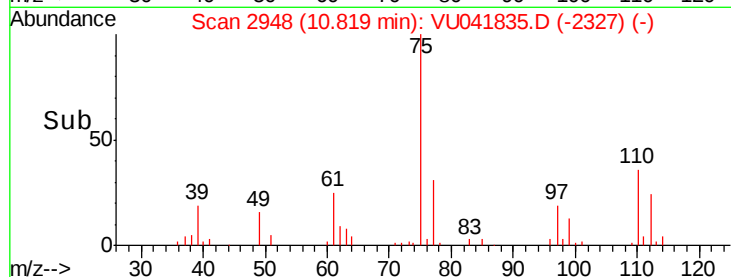
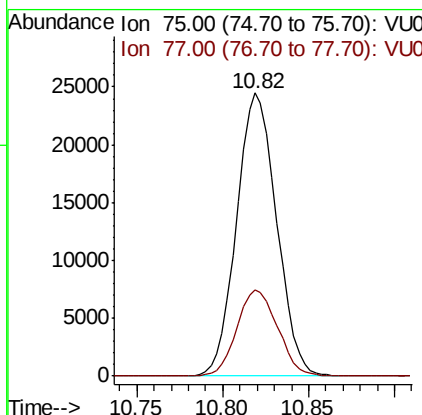
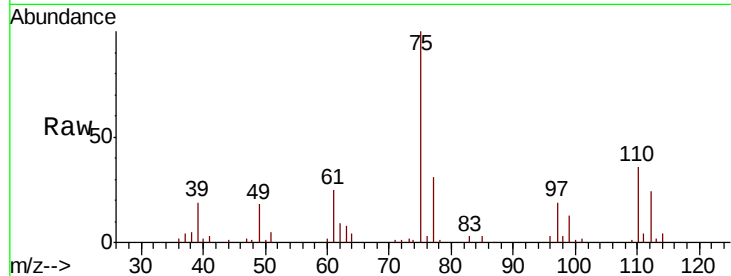




#59
 1,2,3-Trichloropropane
 Concen: 4.165 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. -0.00 min
 Lab File: VU041835.D
 Acq: 29 Dec 2020 14:07

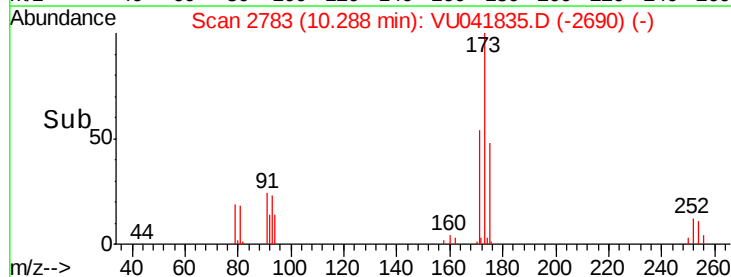
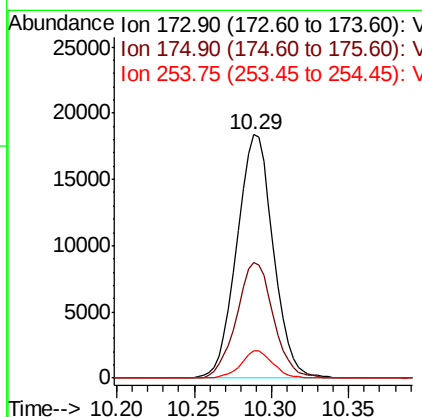
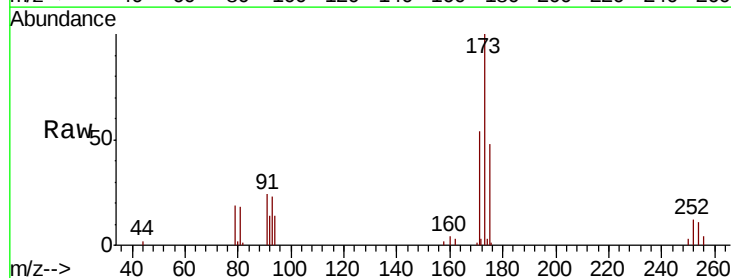
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00530

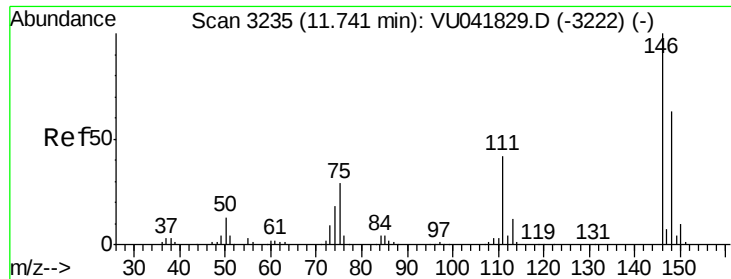
Tot Ion: 75 Resp: 39412
 Ion Ratio Lower Upper
 75 100
 77 30.9 26.2 39.2



#61
 Bromoform
 Concen: 5.033 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. 0.00 min
 Lab File: VU041835.D
 Acq: 29 Dec 2020 14:07

Tgt Ion: 173 Resp: 30083
 Ion Ratio Lower Upper
 173 100
 175 48.0 37.3 55.9
 254 9.9 7.4 11.2

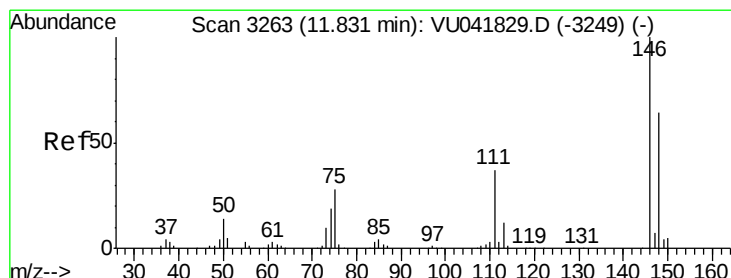
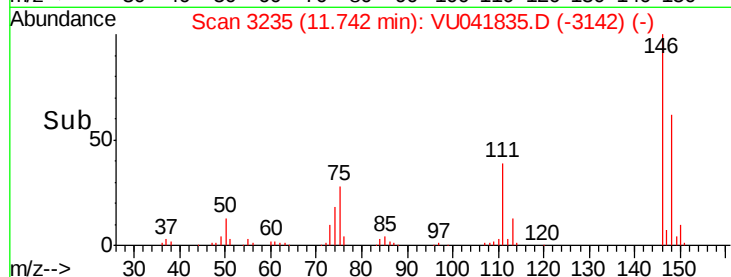
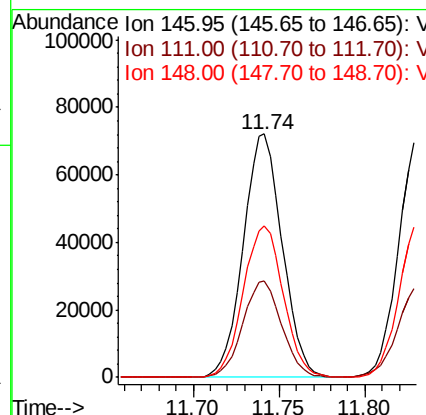
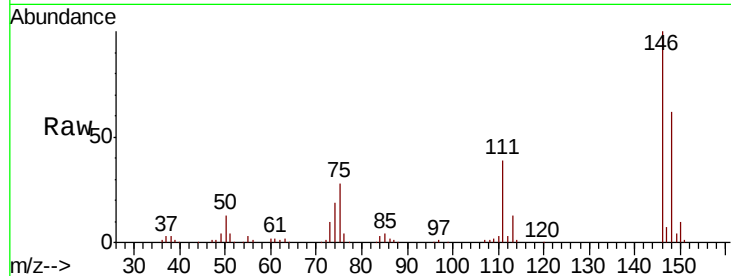




#62
 1,3-Dichlorobenzene
 Concen: 4.700 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041835.D
 Acq: 29 Dec 2020 14:07

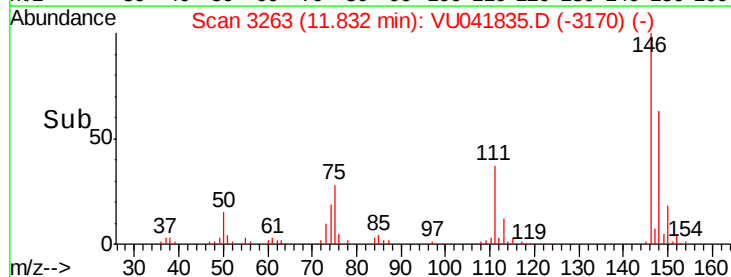
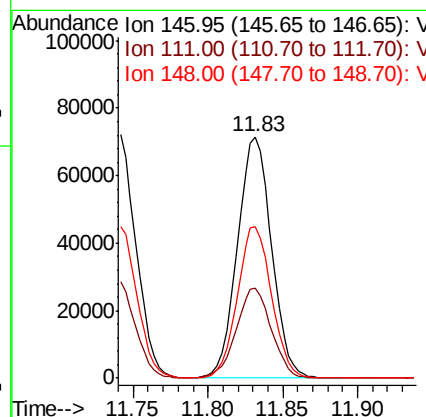
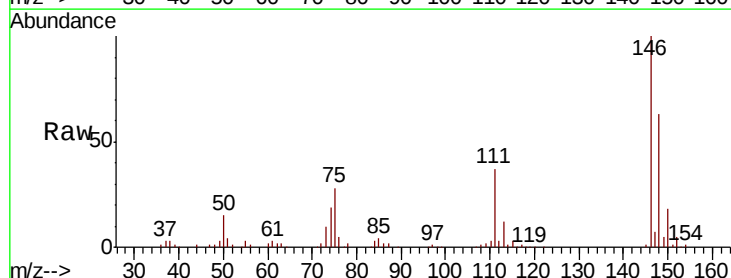
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

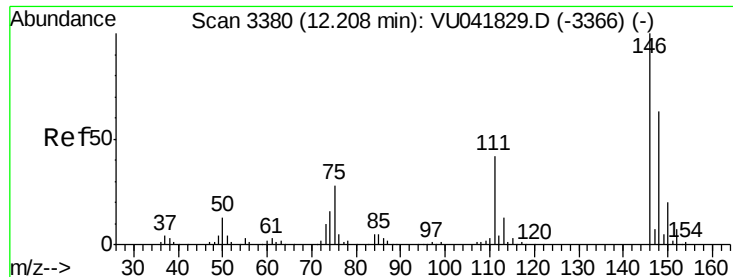
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	30.0	55.8
148	62.4	44.9	83.3



#63
 1,4-Dichlorobenzene
 Concen: 4.659 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041835.D
 Acq: 29 Dec 2020 14:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	27.9	51.9
148	62.7	45.0	83.6

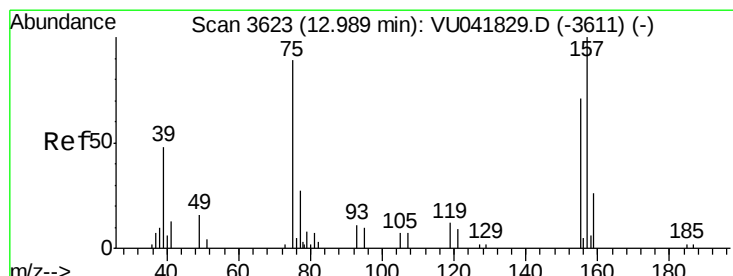
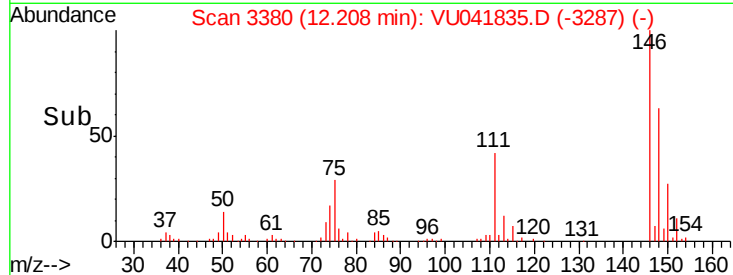
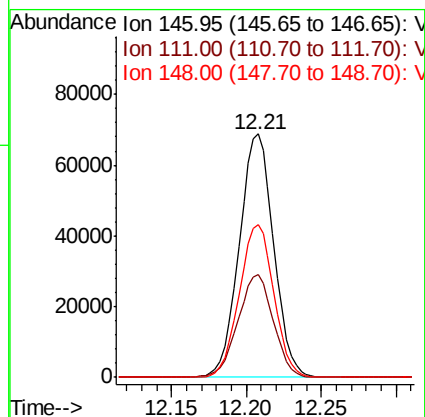
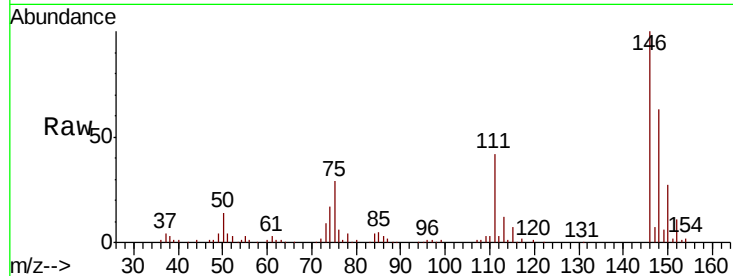




#65
 1,2-Dichlorobenzene
 Concen: 4.641 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU041835.D
 Acq: 29 Dec 2020 14:07

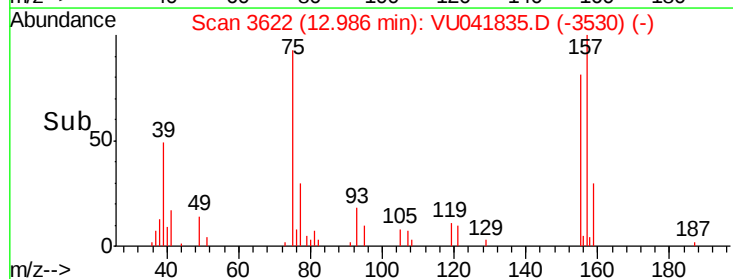
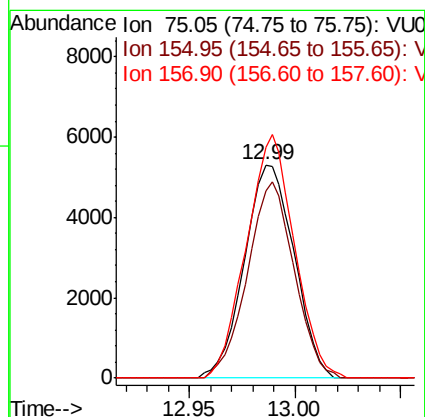
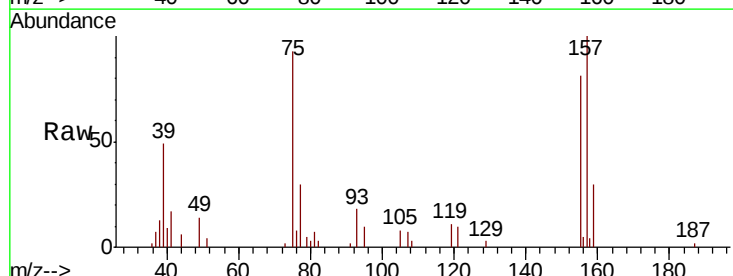
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

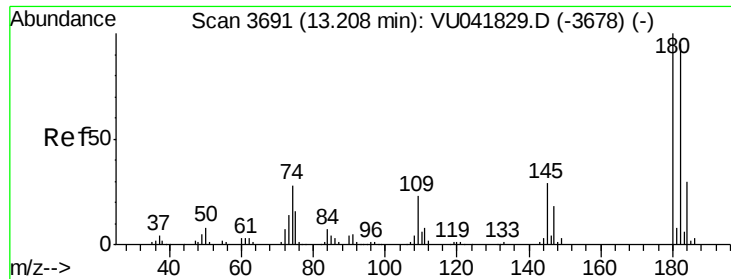
Tot Ion:146 Resp: 109912
 Ion Ratio Lower Upper
 146 100
 111 42.2 35.0 52.6
 148 63.0 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.914 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU041835.D
 Acq: 29 Dec 2020 14:07

Tgt Ion: 75 Resp: 8693
 Ion Ratio Lower Upper
 75 100
 155 87.5 57.4 86.0#
 157 108.0 72.4 108.6

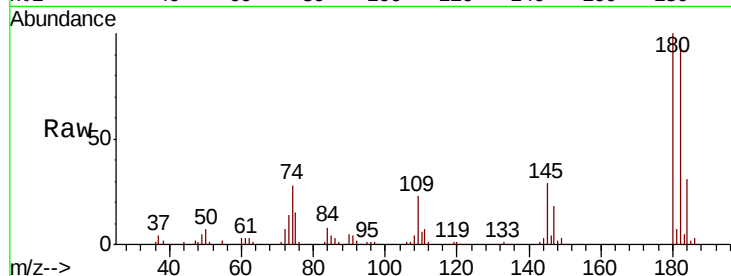




#67
 1,3,5-Trichlorobenzene
 Concen: 4.435 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041835.D
 Acq: 29 Dec 2020 14:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.3	114.5
184	31.1	24.1	36.1
145	28.4	24.1	36.1



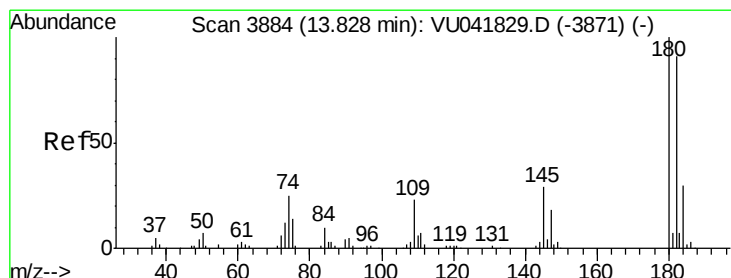
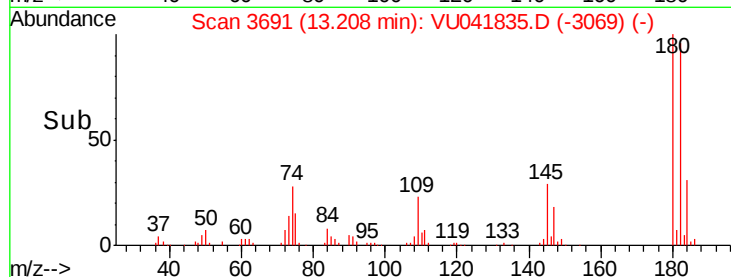
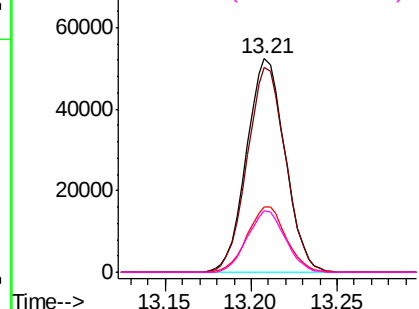
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

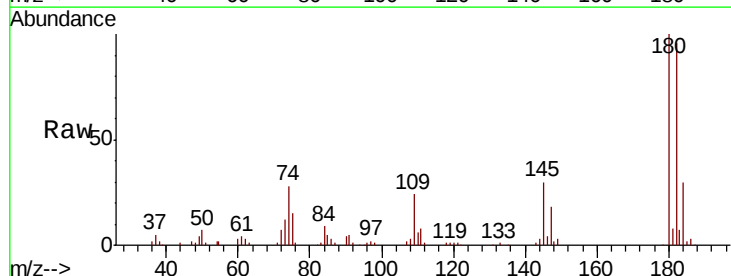
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.041 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041835.D
 Acq: 29 Dec 2020 14:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.4	113.0
145	30.5	24.5	36.7

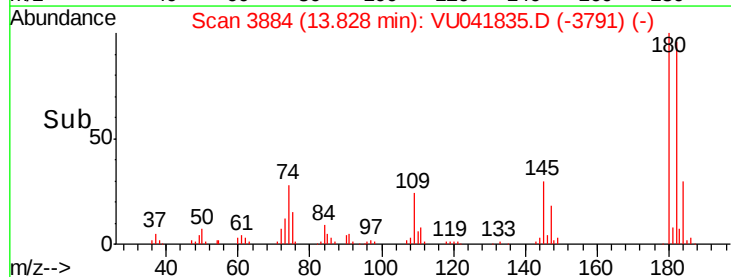
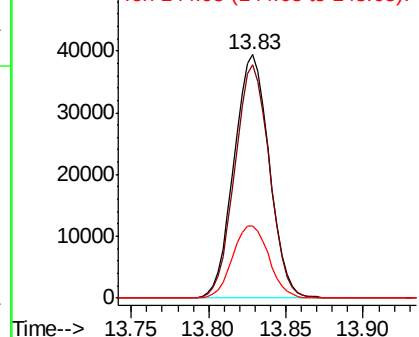


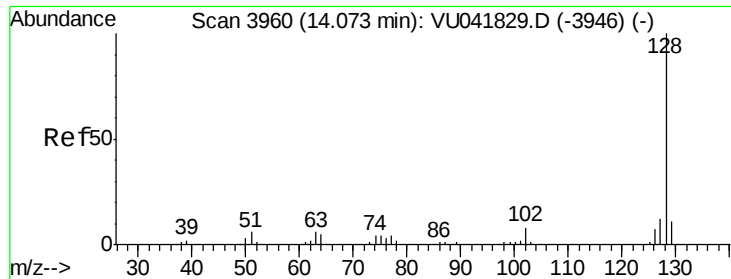
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

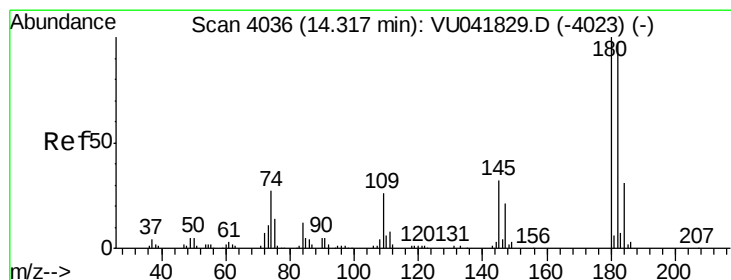
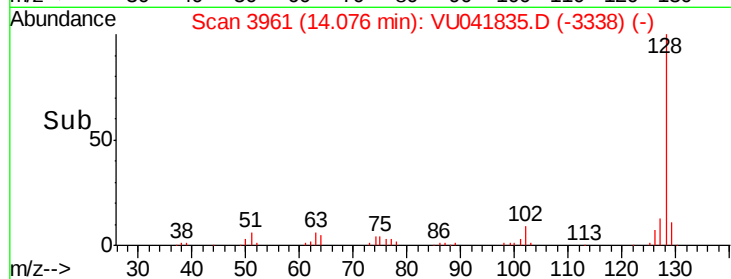
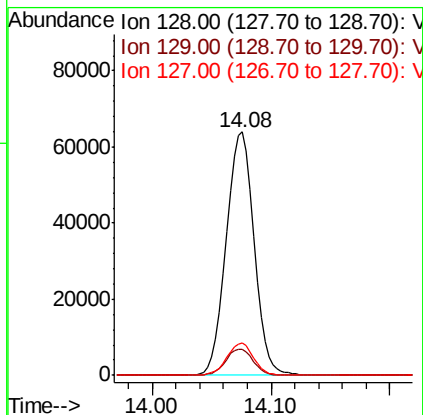
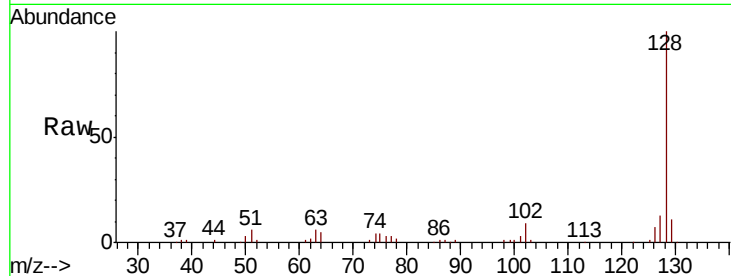




#69
Naphthalene
Concen: 3.268 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU041835.D
Acq: 29 Dec 2020 14:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tot Ion:128 Resp: 104212
Ion Ratio Lower Upper
128 100
129 10.6 8.7 13.1
127 12.5 10.2 15.4



#70
1,2,3-Trichlorobenzene
Concen: 3.979 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. 0.00 min
Lab File: VU041835.D
Acq: 29 Dec 2020 14:07

Tgt Ion:180 Resp: 58416
Ion Ratio Lower Upper
180 100
182 98.3 77.0 115.4
145 32.0 26.4 39.6

